Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Douglas County Georgia (Unincorporated Areas)	CULVERT	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 130306		
IDENTIFIER	Grace Lake Basin	APPROXIMATE LATITUDE & LONGITUDE: 33.727, -84.726 SOURCE: USGS QUADRANGLE DATUM: NAD 83	

ANNOTATED MAPPING ENCLOSURES	ANNOTATED STUDY ENCLOSURES
TYPE: FIRM* NO.: 13097C0151C DATE: August 18, 2009	DATE OF EFFECTIVE FLOOD INSURANCE STUDY REPORT: March 04, 2013 PROFILE(S): 263P AND 264P FLOODWAY DATA TABLE: 9 SUMMARY OF DISCHARGES TABLE: 5

Enclosures reflect changes to flooding sources affected by this revision.
* FIRM - Flood Insurance Rate Map; ** FBFM - Flood Boundary and Floodway Map; *** FHBM - Flood Hazard Boundary Map

FLOODING SOURCE(S) & REVISED REACH(ES)

Little Anneewakee Creek Tributary A - from approximately 800 feet downstream of Grace Lake Drive to approximately 1,610 feet upstream of Bedford Place

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Little Anneewakee Creek Tributary A	Zone AE	Zone AE	YES	YES
	BFEs*	BFEs	YES	YES
	Floodway	Floodway	YES	YES

* BFEs - Base Flood Elevations

DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/business/nfip.

Beth A Norton

Beth A. Norton, Program Specialist
Engineering Management Branch
Federal Insurance and Mitigation Administration

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LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 130305 **Name:** City of Douglasville, Georgia

AFFECTED MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM* NO.: 13097C0151C DATE: August 18, 2009	DATE OF EFFECTIVE FLOOD INSURANCE STUDY REPORT: March 4, 2013 PROFILE(S): 263P AND 264P FLOODWAY DATA TABLE: 9 SUMMARY OF DISCHARGES TABLE: 5

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/business/nfip.

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LETTER OF MAP REVISION
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COMMUNITY INFORMATION

APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

We provide the floodway designation to your community as a tool to regulate floodplain development. Therefore, the floodway revision we have described in this letter, while acceptable to us, must also be acceptable to your community and adopted by appropriate community action, as specified in Paragraph 60.3(d) of the NFIP regulations.

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance discharges computed in the submitted hydrologic model. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/business/nfip.

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DETERMINATION DOCUMENT (CONTINUED)

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Mr. Brad Loar
Director, Mitigation Division
Federal Emergency Management Agency, Region IV
Koger Center - Rutgers Building, 3003 Chamblee Tucker Road
Atlanta, GA 30341
(770) 220-5400

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/business/nfip.

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LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

PUBLIC NOTIFICATION OF REVISION

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below and through FEMA's Flood Hazard Mapping website at https://www.floodmaps.fema.gov/fhm/Scripts/bfe_main.asp.

LOCAL NEWSPAPER Name: *The Douglas County Sentinel*
Dates: August 14, 2013 and August 21, 2013

Within 90 days of the second publication in the local newspaper, a citizen may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised flood hazard determination information presented in this LOMR may be changed.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/business/nfip.

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Federal Insurance and Mitigation Administration

Table 5 - Summary of Discharges - (*Continued*)

Flooding Source and Location	Drainage Area (square miles)	Peak Discharges (cfs) 10-Percent-Annual-Chance	2-Percent-Annual-Chance	1-Percent-Annual Chance	0.2-Percent-Annual-Chance
Little Anneewakee Creek *(Continued)*					
Just downstream of the confluence of Little Anneewakee Creek Tributary B	5.58	3,768	5,419	6,159	8,023
Just downstream of the confluence of Little Anneewakee Creek Tributary C	5.05	3,711	5,402	6,143	8,016
Just downstream of the of Slater Mill Creek	4.55	3,877	5,627	6,398	8,351
Just downstream of the confluence of Little Anneewakee Creek Tributary D	1.91	1,388	2,023	2,304	3,017
Just downstream of the Tributary E to Little Anneewakee Creek	1.55	1,270	1,839	2,086	2,707
Just upstream of Shawnee Lake at Fairburn Road	0.97	1,087	1,474	1,642	2,046
Just upstream of Interstate Highway 20	0.28	510	663	724	853
Little Anneewakee Creek Tributary A					
At the confluence with Little Anneewakee Creek	0.78	555	984	1,178	1,657
Revised Data → At Grace Lake Drive	0.55	1,215	1,704	1,915	2,444
At Elmherst Drive	0.33	725	1,023	1,153	1,474
Little Anneewakee Creek Tributary B					
At the confluence with Little Anneewakee Creek	0.18	356	514	584	758
Little Anneewakee Creek Tributary C					
At the confluence with Little Anneewakee Creek	0.31	416	607	692	906
Little Anneewakee Creek Tributary D					
At the confluence with Little Anneewakee Creek	0.33	554	771	870	1132
Little Anneewakee Creek Tributary E					
At the confluence with Little Anneewakee Creek	0.24	377	527	592	753
Little Bear Creek					
At confluence with Bear Creek	9.67	2,296	3,670	4,344	6,168
Just downstream of the confluence of Baldwin Creek	9.56	3,142	4,764	5,534	7,726
Just downstream of the confluence of Little Bear Creek Tributary A	6.67	1,954	3,177	3,739	5,272

REVISED TO REFLECT LOMR EFFECTIVE: December 19, 2013

FLOODING SOURCE		FLOODWAY			1-PERCENT-ANNUAL-CHANCE-FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCTIY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
LITTLE ANNEEWAKEE CREEK (CONTINUED)								
AP	20,210[1]	43	87	7.0	1,058.0	1,058.0	1,058.0	0.0
LITTLE ANNEEWAKEE CREEK TRIBUTARY A								
A	78[2]	460[3]	1,574	0.8	905.2	905.2	905.2	0.0
B	1,191[2]	29	98	12.0	921.7	921.7	921.7	0.0
C	1,842[2]	587	408	4.7	966.4	966.4	966.4	0.0
D	1,892[2]	572	5,832	0.3	966.4	966.4	966.4	0.0
E	3,074[2]	379	3,249	0.6	966.4	966.4	966.4	0.0
F	3,416[2]	54	180	11.3	966.4	966.4	966.4	0.0
G	3,536[2]	42	281	7.2	969.9	969.9	969.9	0.0
H	4,277[2]	30	129	9.0	976.5	976.5	977.2	0.7
I	4,367[2]	32	214	5.4	980.9	980.9	980.9	0.0
J	4,760[2]	15	85	13.5	985.9	985.9	986.9	1.0
K	4,853[2]	31	220	5.4	991.2	991.2	991.4	0.2
L	5,380[2]	44	113	9.5	1,003.7	1,003.7	1,003.7	0.0
M	5,516[2]	170	881	1.6	1,010.4	1,010.4	1,010.4	0.0
N	6,409[2]	62	153	9.6	1,025.6	1,025.6	1,025.7	0.1
O	7,062[2]	109	250	10.3	1,041.0	1,041.0	1,041.1	0.1
						REVISED DATA		

[1] Feet above conflunece with Anneewakee Creek

[2] Feet above confluence with Little Anneewakee Creek

[3] Combined flodway width with Little Annewakkee Creek

REVISED TO REFLECT LOMR EFFECTIVE: December 19, 2013

TABLE 9

FEDERAL EMERGENCY MANAGEMENT AGENCY

DOUGLAS COUNTY, GA
AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE ANNEEWAKEE CREEK - LITTLE ANNEEWAKEE CREEK TRIBUTARY A

REVISED TO REFLECT LOMR EFFECTIVE: December 19, 2013

FLOOD PROFILES

LITTLE ANNEEWAKEE CREEK TRIBUTARY A

FEDERAL EMERGENCY MANAGEMENT AGENCY

DOUGLAS COUNTY, GA

AND INCORPORATED AREAS

REVISED TO
REFLECT LOMR
EFFECTIVE: December 19, 2013

FLOOD PROFILES

LITTLE ANNEEWAKEE CREEK TRIBUTARY A

FEDERAL EMERGENCY MANAGEMENT AGENCY

DOUGLAS COUNTY, GA
AND INCORPORATED AREAS

City of Douglasville 130305
Douglas County Unincorporated Areas 130306
LIMIT OF DETAILED STUDY
TIMBER RIDGE DR
STARBOARD CT
CRUISE CT
PORT DR
HILLSIDE DR
LEHIGH DR
BEDFORD PL
ELMHERST DR
E HILL DR
HYDE PARK DR
CRESANT LN
ALCRIS DR
FOREST TRL
CHAPEL CT
S ELIZABETH RD
STONE OAK DR
FOX HOLLOW CT
N WOODS TRL
FIVE LEAVES CT
TIMBER TRL
TIMBER VALLEY DR
FRANK LN
E ELMHERST DR
SAVOY CT
PRESTLEY MILL RD
EPPING CT
BRIXTON CT
WEMBLEY DR
CAMDEN CT
DOVER CT
PRESCOT WAY
THURLOE WAY
STANWAY AVE
CRESENT CT
LOGAN LN
POPLAR CT
GRACE LAKE DR
AZALEA CT
CHAPEL HILL RD
HOGAN'S WAY
ZONE AE
1% ANNUAL CHANCE FLOOD DISCHARGE CONTAINED IN CULVERT
Little Anneewakee Creek Tributary A
Little Anneewakee Creek Tributary B
LEATHERWOOD LAKE
Leatherwood Lake Dam
REVISED AREA
JOINS PANEL 0152
37 35 000m N
37 34 000m N
1041
1036
1030
1025
1020
1017
1010
1004
999
991
986
934
931
976
975
970
966
955
962
956
967
933
930
925
922
918
913
910
Legend
1% annual chance (100-Year) Floodplain
1% annual chance (100-Year) Floodway
0.2% annual chance (500-Year) Floodplain
MAP SCALE 1" = 500'
250 0 500 FEET
150 0 150 METERS
NFIP
NATIONAL FLOOD INSURANCE PROGRAM
PANEL 0151C
FIRM
FLOOD INSURANCE RATE MAP
DOUGLAS COUNTY, GEORGIA
AND INCORPORATED AREAS
PANEL 151 OF 251
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:
COMMUNITY NUMBER PANEL SUFFIX
DOUGLAS COUNTY 130306 0151 C
DOUGLASVILLE, CITY OF 130305 0151 C
REVISED TO REFLECT LOMR EFFECTIVE: December 19, 2013
Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.
MAP NUMBER 13097C0151C
EFFECTIVE DATE AUGUST 18, 2009
Federal Emergency Management Agency
Douglas County Unincorporated Areas 130306