



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Fairfax County Virginia (Unincorporated Areas)	NO PROJECT	1D HYDRAULIC ANALYSIS UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 515525		
IDENTIFIER	14916 and 14908 Thompson Rd	APPROXIMATE LATITUDE & LONGITUDE: 38.917, -77.465 SOURCE: Other      DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*      NO.: 51059C0115E      DATE: September 17, 2010		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 17, 2010  PROFILE: 48P SUMMARY OF DISCHARGES TABLE: 4	

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map

### FLOODING SOURCE AND REVISED REACH

See Page 2 for Additional Flooding Sources

Cub Run - From approximately 3,340 feet upstream of Highway 50 to 4,640 feet upstream of Highway 50.

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Cub Run	BFEs*	BFEs	NONE	YES
	Zone AE	Zone AE	NONE	YES
	Zone X (Unshaded)	Zone X (Shaded)	YES	NONE

\* BFEs - Base (1-Percent-Annual-Chance) 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

  
Patrick "Rick" F. Sacbibit, P.E., Branch Chief  
Engineering Services Branch  
Federal Insurance and Mitigation Administration

24-03-0112P

102-D-A



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**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)**

**COMMUNITY INFORMATION (CONTINUED)**

**OTHER FLOODING SOURCES AFFECTED BY THIS REVISION**

**FLOODING SOURCE AND REVISED REACH**

Dead Run - From the confluence with Cub Run to approximately 2,350 feet upstream of the confluence with Cub Run.

**SUMMARY OF REVISIONS**

<b>Flooding Source</b>	<b>Effective Flooding</b>	<b>Revised Flooding</b>	<b>Increases</b>	<b>Decreases</b>
Dead Run	BFEs	BFEs	NONE	YES
	Zone AE	Zone AE	NONE	YES
	Zone X (Unshaded)	Zone X (Shaded)	YES	NONE

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

  
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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### 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.

#### COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance flood discharges computed in the preliminary FIS for your community without considering subsequent changes in watershed characteristics that could increase flood discharges. Future development of projects upstream could cause increased flood discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on flood discharges subsequent to the publication of the preliminary FIS report for your community and could, therefore, establish greater flood hazards 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

A handwritten signature in black ink, appearing to read "Rick F. Sacbibit".

Patrick "Rick" F. Sacbibit, P.E., Branch Chief  
Engineering Services Branch  
Federal Insurance and Mitigation Administration



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**LETTER OF MAP REVISION  
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:

April Cummings  
Director, Mitigation Division  
Federal Emergency Management Agency, Region III  
One Independence Mall, Sixth Floor  
615 Chestnut Street  
Philadelphia, PA 19106-4404  
(215)931-5635

**STATUS OF THE COMMUNITY NFIP MAPS**

We are processing a revised FIRM and FIS report for Fairfax County in our countywide format; therefore, we will not physically revise and republish the FIRM and FIS report for your community to incorporate the modifications made by this LOMR at this time. Preliminary copies of the countywide FIRM and FIS report, which present information from the effective FIRMs and FIS reports for your community and other incorporated communities in Fairfax County, were submitted to your community for review on June 30, 2021. We will not incorporate the modifications made by this LOMR into the countywide FIRM and FIS report before they become effective. We will reissue this LOMR on the newly effective FIRM and FIS report.

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

  
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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/bfe\\_status/bfe\\_main.asp](https://www.floodmaps.fema.gov/fhm/bfe_status/bfe_main.asp)

**LOCAL NEWSPAPER**

Name: *Washington Times*

Dates: July 25, 2024 and August 1, 2024

Within 90 days of the second publication in the local newspaper, any interested party 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 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

  
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Engineering Services Branch  
Federal Insurance and Mitigation Administration

24-03-0112P

102-D-A

**Table 4, “Summary of Discharges”**

Flooding Source and Location	Drainage Area (Square Miles)	Peak Discharges (cubic feet per second)			
		10-Percent- Annual-Chance	2-Percent- Annual-Chance	1-Percent- Annual-Chance	0.2-Percent- Annual-Chance
TRIBUTARY 1 TO LITTLE HUNTING CREEK					
Upstream of Camden Street	0.57	737	975	1,232	1,540
Approximately 350 feet upstream of Camden Street	0.34	334	445	574	700
TRIBUTARY 1 TO NORTH FORK DOGUE CREEK					
At confluence with North Fork Dogue Creek	1.88	1,574	2,290	2,728	3,500
Just upstream of U.S. Route 1	1.70	1,684	2,480	2,937	3,880
Just downstream of State Route 622	0.81	883	1,310	1,578	2,050
Just downstream of Keeler Street	0.60	700	1,000	1,236	1,580
TRIBUTARY 2 TO NORTH FORK DOGUE CREEK					
At confluence with North Fork Dogue Creek	0.45	799	1,130	1,329	1,720
TRIBUTARY 1 TO NORTH BRANCH					
At confluence with North Branch	1.37	2,033	2,867	3,540	4,200
TRIPPS RUN					
Approximately 450 feet downstream of Potterton Drive	5.01	3,746	5,309	6,583	8,400
Upstream of State Route 613	4.49	3,777	5,410	6,740	8,400
Upstream of Holloway Road	3.46	3,301	4,694	5,663	7,200
At U.S. Route 50	2.86	2,814	4,102	5,048	6,700
Upstream of Jefferson Avenue	2.61	3,145	4,447	5,398	7,000
WOLFTRAP CREEK					
At downstream corporate limits	2.85	1,700	2,900	3,400	5,100
At upstream corporate limits	0.90	1,000	1,700	2,000	2,900
Cub Run					
Just upstream of confluence with Dead Run	3.8	1,069	2,158	2,764	5,493

† = Data not available

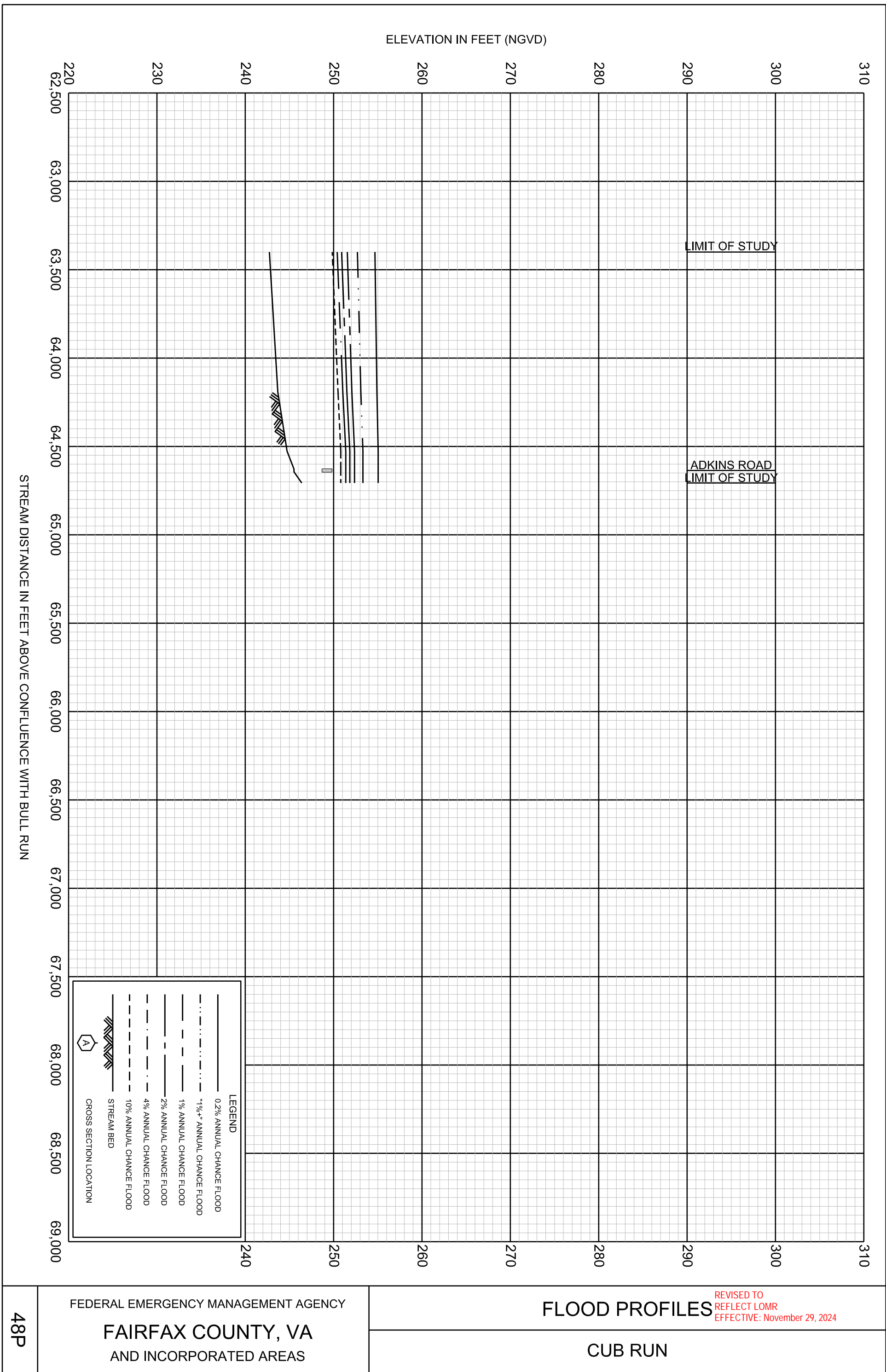
(1) Drainage area not computed, discharges calculated by the split flow option in USACE HEC-2 computer program.

\* = Data approximated from log graph

\*\* = Interpolated by drainage area

REVISED DATA

REVISED TO  
REFLECT LOMR  
EFFECTIVE: November 29, 2024



Fairfax County  
Unincorporated Areas  
515525

LOUDOUN COUNTY, VA  
FAIRFAX COUNTY, VA

SPECIAL FLOOD HAZARD AREAS

Without Base Flood Elevation (BFE)  
*Zone A, V, A99*

With BFE or Depth *Zone AE, AO, AH, VE, AR*

Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

0.2 % Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*

Future Conditions 1% Annual Chance Flood Hazard *Zone X*

Area with Reduced Flood Risk due to Levee  
See Notes • *Zone X*

SCALE

Map Projection:  
Universal Transverse MercatorNAD 1983 UTM Zone 18N  
Western Hemisphere; Vertical Datum: NGVD 29

1 inch = 1,000 feet

1:12,000

05001,0002,000

Feet

0125250500

Meters

FEMA

DEPARTMENT OF HOMELAND SECURITY

National Flood Insurance Program

FLOOD INSURANCE RATE MAP

FAIRFAX COUNTY, VA  
and Incorporated Areas

PANEL 115 OF 450

Panel Contains:

COMMUNITY

FAIRFAX COUNTY,  
UNINCORPORATED AREAS

NUMBER

515525

PANEL

0115

SUFFIX

E

REVISED TO  
REFLECT LOMR  
EFFECTIVE: November 29, 2024

VERSION NUMBER

1.1.1.0

MAP NUMBER

51059C0115E

EFFECTIVE DATE

SEPTEMBER 17, 2010