



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Lee County Florida (Unincorporated Areas)	NO PROJECT	FLOODWAY HYDRAULIC ANALYSIS UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 125124		
IDENTIFIER	Imperial River/Kehl Canal LOMR	APPROXIMATE LATITUDE AND LONGITUDE: 26.340, -81.741 SOURCE: Google Earth Pro      DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*      NO.: 12071C0676F      DATE: August 28, 2008 TYPE: FIRM*      NO.: 12071C0678F      DATE: August 28, 2008		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: December 7, 2018 PROFILE: 38P FLOODWAY DATA TABLE: 9	

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map

### FLOODING SOURCE AND REVISED REACH

Imperial River - from approximately 360 feet upstream of Orr Road to approximately 300 feet upstream of Bonita Grande Drive

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Imperial River	Floodway Zone AE BFEs*	Floodway Zone AE BFEs	NONE YES NONE	YES 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 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/national-flood-insurance-program>.

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

19-04-5595P

102-I-A-C



Federal Emergency Management Agency  
Washington, D.C. 20472

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

**OTHER COMMUNITIES AFFECTED BY THIS REVISION**

**CID Number:** 120680      **Name:** City of Bonita Springs, Florida

**AFFECTED MAP PANELS**

TYPE: FIRM\*    NO.: 12071C0676F    DATE: August 28, 2008  
TYPE: FIRM\*    NO.: 12071C0678F    DATE: August 28, 2008

**AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT**

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: December 7, 2018  
PROFILE: 38P  
FLOODWAY DATA TABLE: 9

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/national-flood-insurance-program>.

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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.

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.

#### COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance flood discharges computed in the 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 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/national-flood-insurance-program>.

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Patrick "Rick" F. Sacbabit, 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:

Mr. Jesse Munoz  
Director, Mitigation Division  
Federal Emergency Management Agency, Region IV  
Koger Center - Rutgers Building, 3003 Chamblee Tucker Road  
Atlanta, GA 30341  
(770) 220-5406

#### STATUS OF THE COMMUNITY NFIP MAPS

We are currently processing a Physical Map Revision (PMR) that will revise the FIRM and FIS report for a portion of Lee County, not including the area impacted by this LOMR. 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 revised FIRM and FIS report, which have been updated by the PMR, were submitted to your community for review on June 28, 2019. We will either incorporate the modifications made by this LOMR into the preliminary FIRM and FIS report before they become effective or reissue the LOMR on the new 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/national-flood-insurance-program>.

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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: *Fort Myers News-Press*

Dates: June 5, 2020 and June 12, 2020

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/national-flood-insurance-program>.

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Engineering Services Branch  
Federal Insurance and Mitigation Administration

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
IMPERIAL RIVER (Continued)								
Q	32,700	1,200 <sup>2</sup>	5,407	0.6	11.8	11.8	12.3	0.5
R	33,700	1,000	5,532	0.8	12.1	12.1	12.6	0.5
S	35,000	1,140	6,961	0.8	12.7	12.7	13.4	0.7
T	37,491	1,275	5,870	1.1	13.4	13.4	14.4	1.0
U	37,820	1,500	7,520	1.5	13.7	13.7	14.6	0.9
V	40,312	850	3,707	0.8	14.2	14.2	15.1	0.9
W	43,174	1,544 <sup>5</sup>	4,554	0.8	14.5	14.5	15.4	0.9
KICKAPOO CREEK								
A	0	314	433	2.9	6.8 <sup>3</sup>	2.5 <sup>4</sup>	3.0	0.5
B	604	334	848	1.3	7.5	7.5	7.9	0.4
C	754	278	1,726	0.6	7.6	7.6	8.2	0.6
D	1,107	247	1,254	0.8	7.6	7.6	8.2	0.6
E	1,217	226	2,068	0.4	7.6	7.6	8.2	0.6
F	2,047	147	1,051	0.7	7.6	7.6	8.2	0.6

<sup>1</sup> Feet above mouth.

<sup>2</sup> Value is inaccurate, as the floodway has been adjusted in this area to reflect more detailed and up-to-date stream channel configuration

<sup>3</sup> Elevation computed without consideration of wave effects

<sup>4</sup> Elevation computed without consideration of backwater effects from Caloosahatchee River

<sup>5</sup> The measured top width on the FIRM may differ due to ineffective flow, the exclusion of small pocket areas due to map scale limitations.

REVISED DATA

REVISED BY LOMR  
EFFECTIVE: February 23, 2016

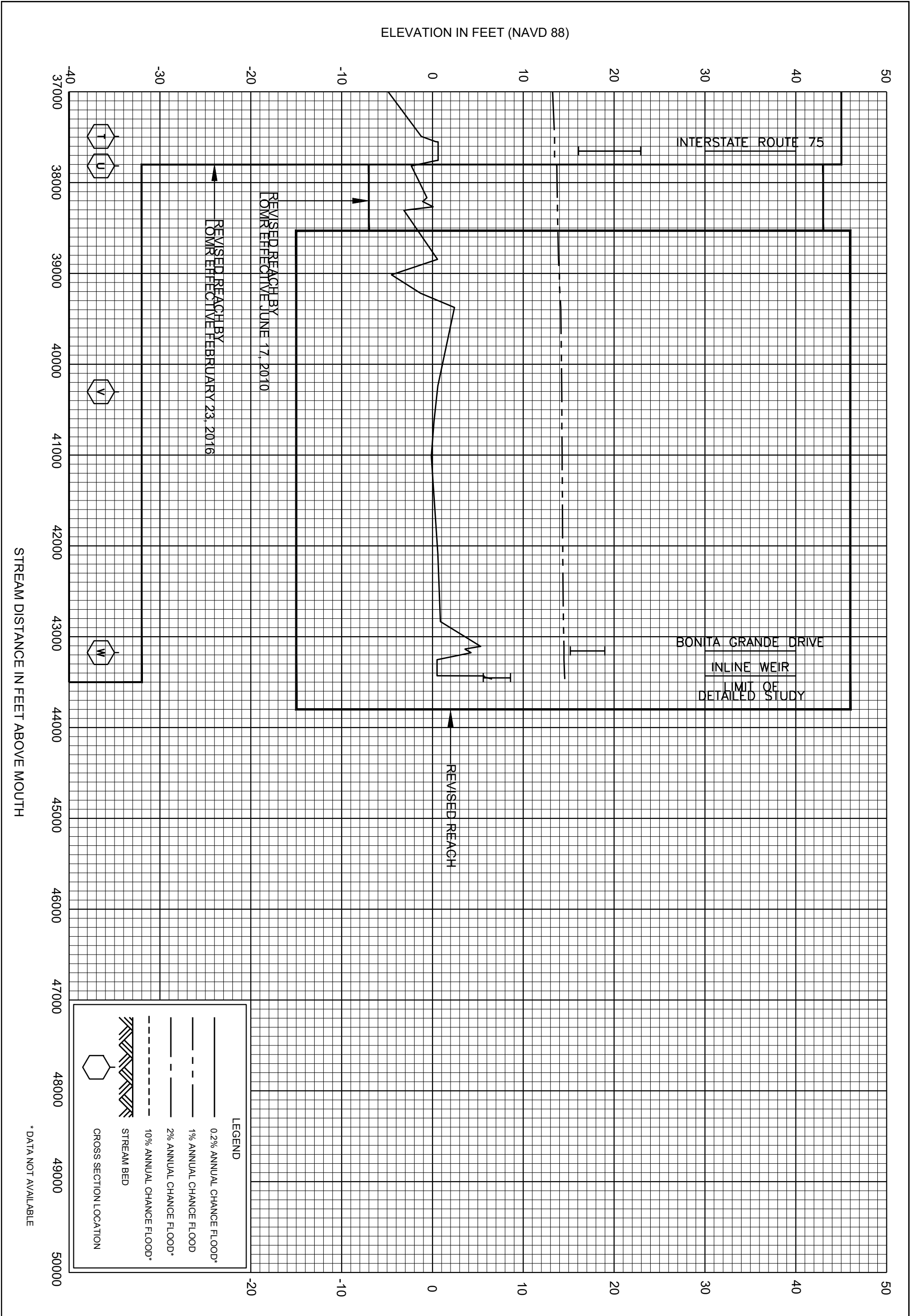
## FLOODWAY DATA

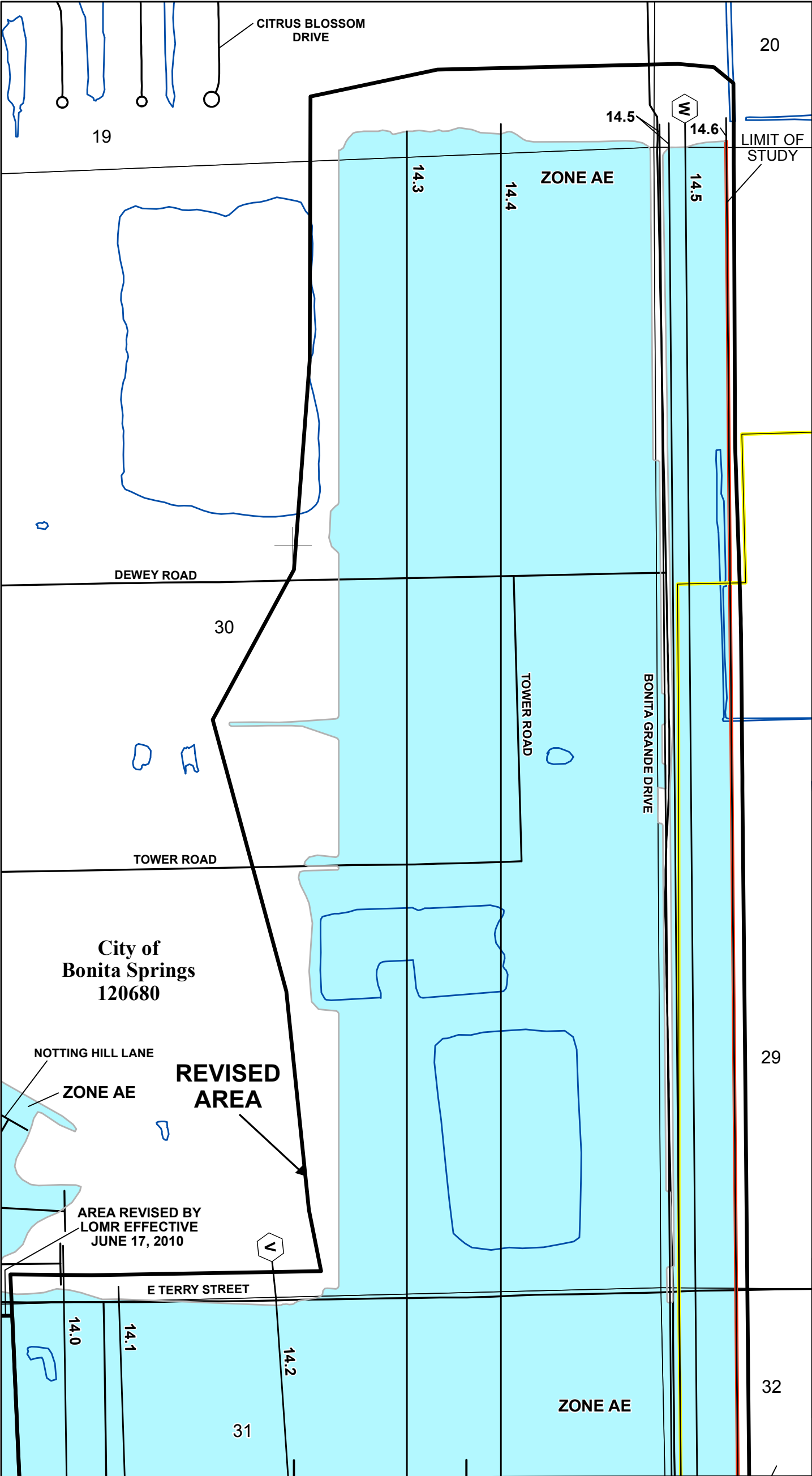
REVISED TO  
REFLECT LOMR  
EFFECTIVE: October 13, 2020

IMPERIAL RIVER - KICKAPOO CREEK

TABLE 9

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**LEE COUNTY, FL**  
**AND INCORPORATED AREAS**





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

N

Map Projection:  
NAD 1983 StatePlane Florida West FIPS 0902 Feet;  
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet

1:6,000

02505001,000

Feet

075150300

Meters

FEMA

National Flood Insurance Program

LEE COUNTY, FLORIDA

and Incorporated Areas

PANEL 676 OF 685

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
BONITA SPRINGS, CITY OF	120680	0676	F
LEE COUNTY	125124	0676	F

REVIS

ED TO

REFLECT LOMR

EFFECTIVE: October 13, 2020

VERSION NUMBER

2.1.3.0

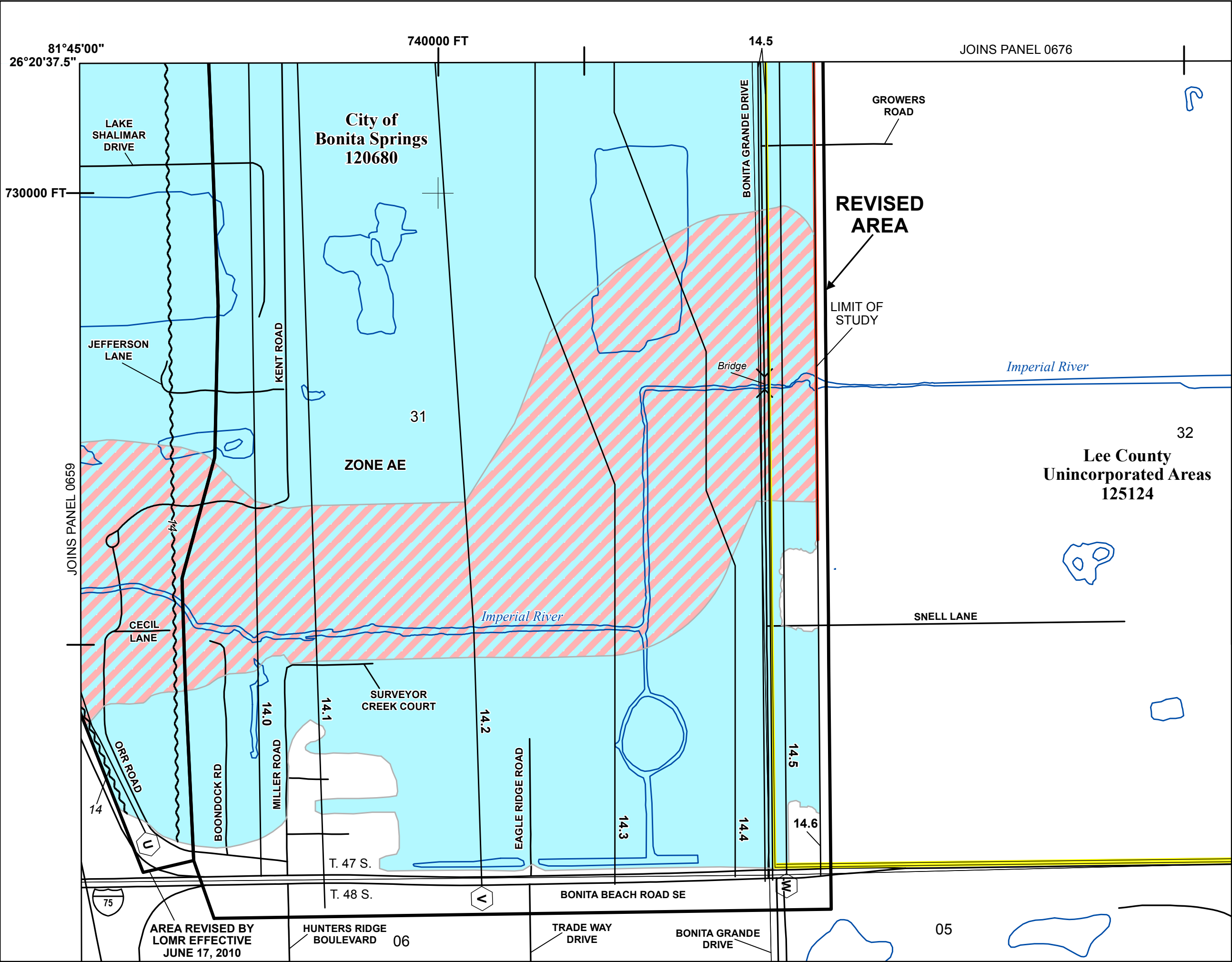
MAP NUMBER

12071C0676F

EFFECTIVE DATE

AUGUST 28, 2008





**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:  
NAD 1983 StatePlane Florida West FIPS 0902 Feet;  
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 250 500 1,000 Feet

0 75 150 300 Meters

**FEMA**  
National Flood Insurance Program

**NATIONAL FLOOD INSURANCE PROGRAM**  
FLOOD INSURANCE RATE MAP

**LEE COUNTY, FLORIDA**  
and Incorporated Areas  
**PANEL 678 OF 685**

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
BONITA SPRINGS, CITY OF	120680	0678	F
LEE COUNTY	125124	0678	F

**REVISED TO REFLECT LOMR EFFECTIVE: October 13, 2020**

VERSION NUMBER  
2.1.3.0  
MAP NUMBER  
12071C0678F  
EFFECTIVE DATE  
AUGUST 28, 2008