



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of Marengo Iowa County Iowa	LEVEE	HYDROLOGIC ANALYSIS 1D HYDRAULIC ANALYSIS LEVEE CERTIFICATION UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 190157		
IDENTIFIER	FEMA Initiated LOMR - City of Marengo, Iowa County, IA	APPROXIMATE LATITUDE & LONGITUDE: 41.799, -92.069 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 19095C0062F DATE: October 21, 2021 TYPE: FIRM NO.: 19095C0066F DATE: October 21, 2021		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: October 21, 2021 PROFILES: 01P, 02P, 05P, AND 06P FLOODWAY DATA TABLE: 23	

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map

### FLOODING SOURCES & REVISED REACHES

See Page 2 for Additional Flooding Sources

Iowa River (Landside of Levee) - Area landward of the levee from approximately 12,000 feet downstream of Eastern Avenue to the confluence of Big Bear Creek  
Big Bear Creek (Landside of Levee) - Area landward of the levee from confluence with the Iowa River to approximately 1,200 feet downstream of railroad  
Interior Drainage - Area landward of the levee from approximately 12,000 feet downstream of Eastern Avenue crossing on the Iowa River to approximately 1,200 feet downstream of the railroad crossing on the Big Bear Creek

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Iowa River (Landside of Levee)	Zone AE	Otherwise Protected Areas	NONE	YES
Big Bear Creek (Landside of Levee)	Zone AE	Otherwise Protected Areas	NONE	YES

### 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



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

**OTHER FLOODING SOURCES AFFECTED BY THIS REVISION**

**FLOODING SOURCES & REVISED REACHES**

Interior Drainage - Area landward of the levee from approximately 12,000 feet downstream of Eastern Avenue crossing on the Iowa River to approximately 1,200 feet downstream of the railroad crossing on the Big Bear Creek  
 Unnamed Tributary to Iowa River - From upstream of Eastern Avenue to downstream of Western Avenue

**SUMMARY OF REVISIONS**

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Interior Drainage	BFES*	BFES	NONE	YES
	Zone AE	Zone AH	NONE	YES
Unnamed Tributary to Iowa River	Zone A	Zone A	YES	NONE

\* BFES - Base (1-percent-annual-chance) Flood Elevations

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

**OTHER COMMUNITIES AFFECTED BY THIS REVISION**

**CID Number:** 190878      **Name:** Iowa County, Iowa (Unincorporated Areas)

**AFFECTED MAP PANELS**

TYPE: FIRM	NO.: 19095C0062F	DATE: October 21, 2021
TYPE: FIRM	NO.: 19095C0066F	DATE: October 21, 2021

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

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: October 21, 2021  
PROFILES: 01P, 02P, 05P, AND 06P  
FLOODWAY DATA TABLE: 23

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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 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 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  
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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:

Ms. Catherine Sanders  
Director, Mitigation Division  
Federal Emergency Management Agency, Region VII  
9221 Ward Parkway, Suite 300,  
Kansas City, MO 64114-3323  
(816) 283-7003

### 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 panels 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 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: *Hometown Current*

Dates: November 3, 2021 and November 10, 2021

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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Table 23: Floodway Data

FLOODING SOURCES		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
BIG BEAR CREEK								
A	2,717	908	2,770	4.8	742.4 <sup>3</sup>	741.1 <sup>2,3</sup>	742.0	0.9
B	4,909	573	5,047	3.3	745.5 <sup>3</sup>	745.5 <sup>3</sup>	746.5	1.0
C	9,054	933	4,688	3.0	747.6 <sup>3</sup>	747.6 <sup>3</sup>	748.2	0.6
D	10,444	754	5,706	4.2	752.5	752.5	752.5	0.0
E	13,013	1,381	9,529	1.4	753.9	753.9	754.0	0.1
F	20,121	911	4,387	3.0	755.2	755.2	756.2	1.0

**REVISED TO REFLECT LOMR EFFECTIVE: March 10, 2022**

**REVISED DATA**

<sup>1</sup>Feet above the confluence with Iowa River  
<sup>2</sup>Elevations without considering backwater effects from Iowa River  
<sup>3</sup>Water surface elevation on river side of levee

TABLE 23	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	IOWA COUNTY, IOWA AND INCORPORATED AREAS	FLOODING SOURCE: BIG BEAR CREEK

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
IOWA RIVER								
A	41,979	6,512	27,081	1.6	734.1	734.1	735.1	1.0
B	52,184	2,295	11,456	3.7	737.9 <sup>2</sup>	737.9 <sup>2</sup>	738.5	0.6
C	56,085	2,155	19,714	2.2	741.7 <sup>2</sup>	741.7 <sup>2</sup>	742.2	0.5
D	58,259	3,795	26,585	1.6	742.1 <sup>2</sup>	742.1 <sup>2</sup>	742.6	0.5
E	60,368	5,518	32,637	1.3	742.4	742.4	743.0	0.6

**REVISED TO REFLECT LOMR  
EFFECTIVE: March 10, 2022**

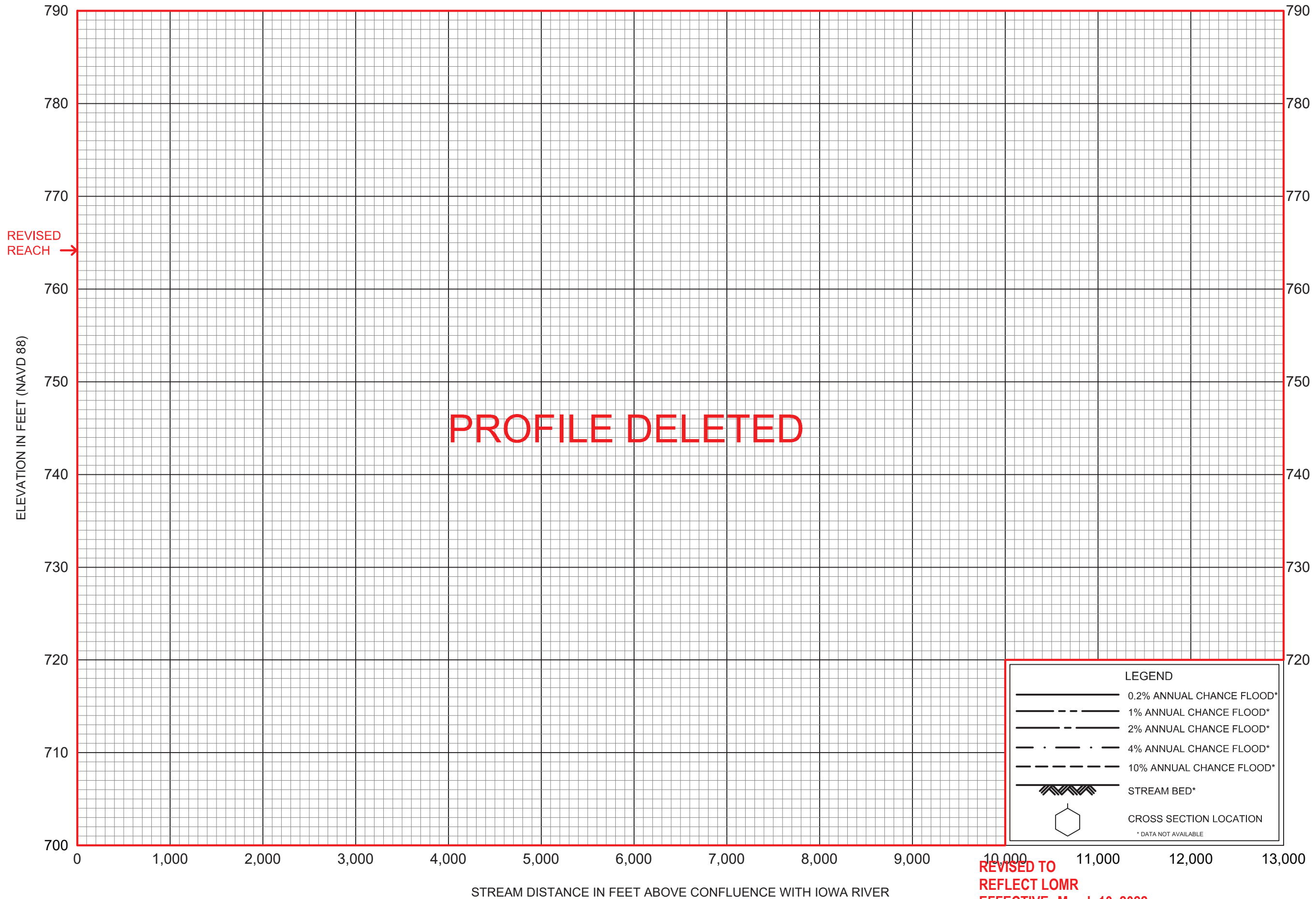
REVISED DATA

<sup>1</sup>Feet upstream of the 220th Trail Bridge

<sup>2</sup>Water surface elevation on river side of levee

TABLE 23	<b>FEDERAL EMERGENCY MANAGEMENT AGENCY</b> <b>IOWA COUNTY, IOWA</b> <b>AND INCORPORATED AREAS</b>	<b>FLOODWAY DATA</b>
		<b>FLOODING SOURCE: IOWA RIVER</b>



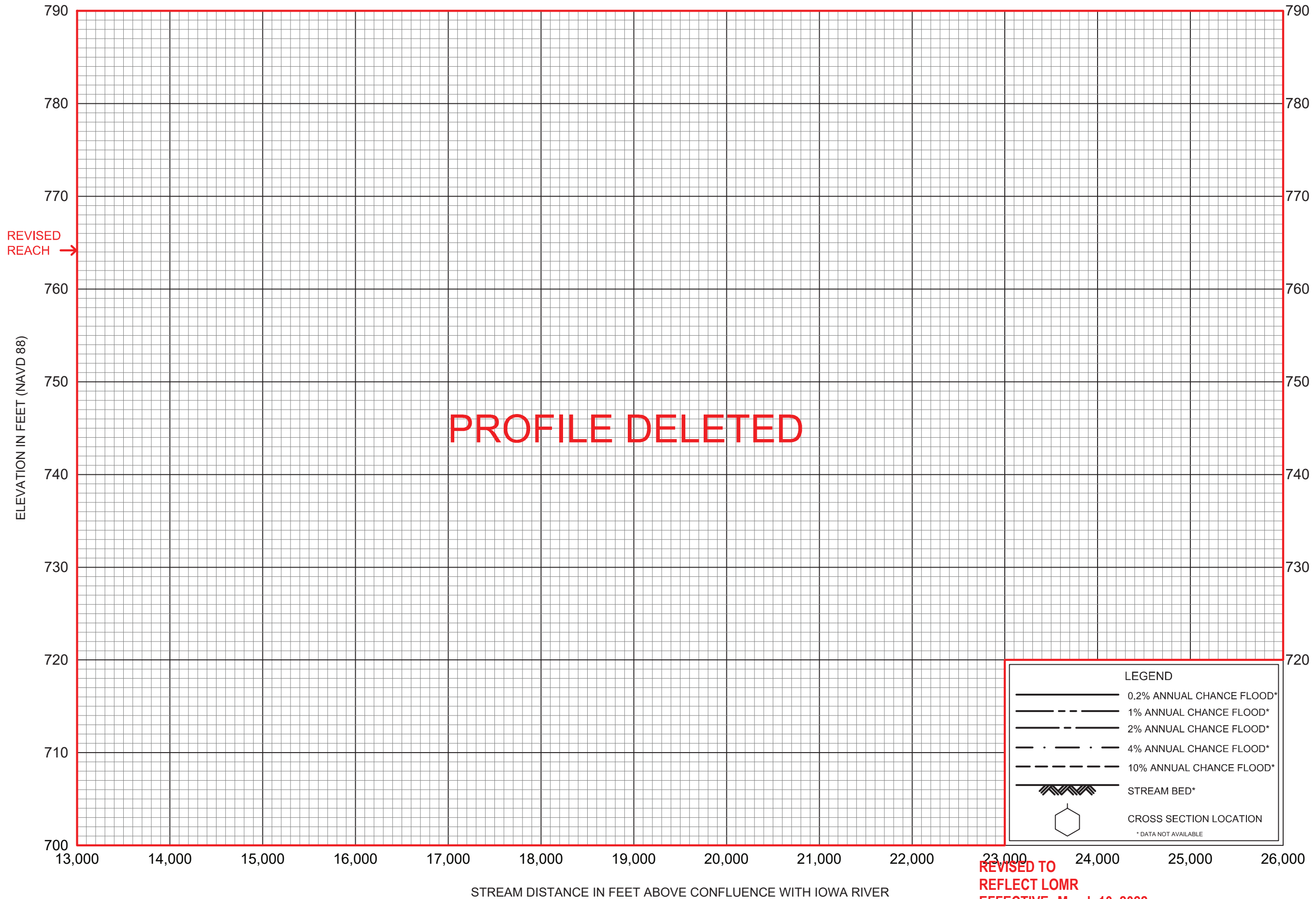


FLOOD PROFILES

BIG BEAR CREEK (LAND SIDE OF LEVEE)

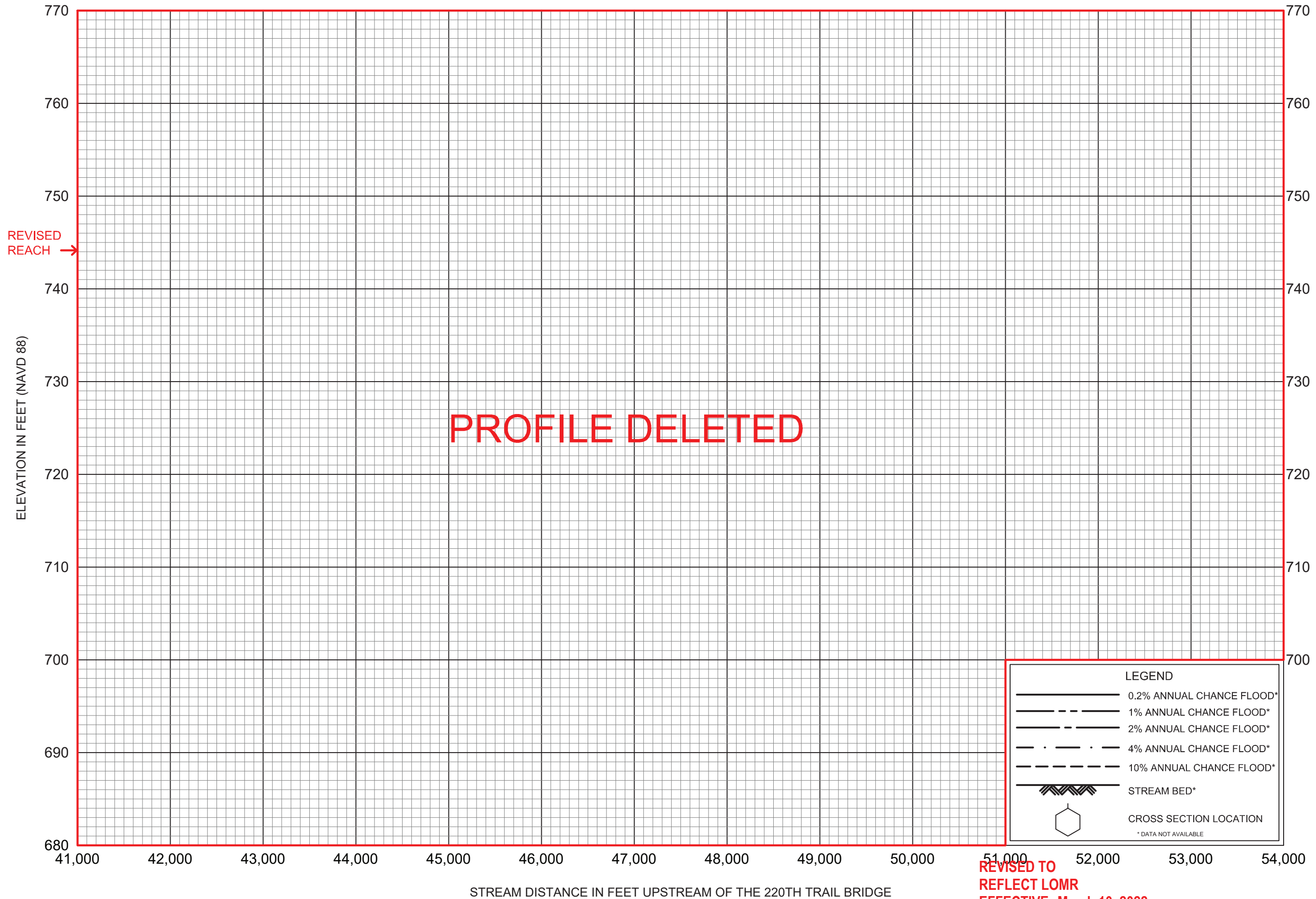
FEDERAL EMERGENCY MANAGEMENT AGENCY

IOWA COUNTY, IOWA  
AND INCORPORATED AREAS



**FLOOD PROFILES**  
**BIG BEAR CREEK (LAND SIDE OF LEVEE)**

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**IOWA COUNTY, IOWA**  
 AND INCORPORATED AREAS



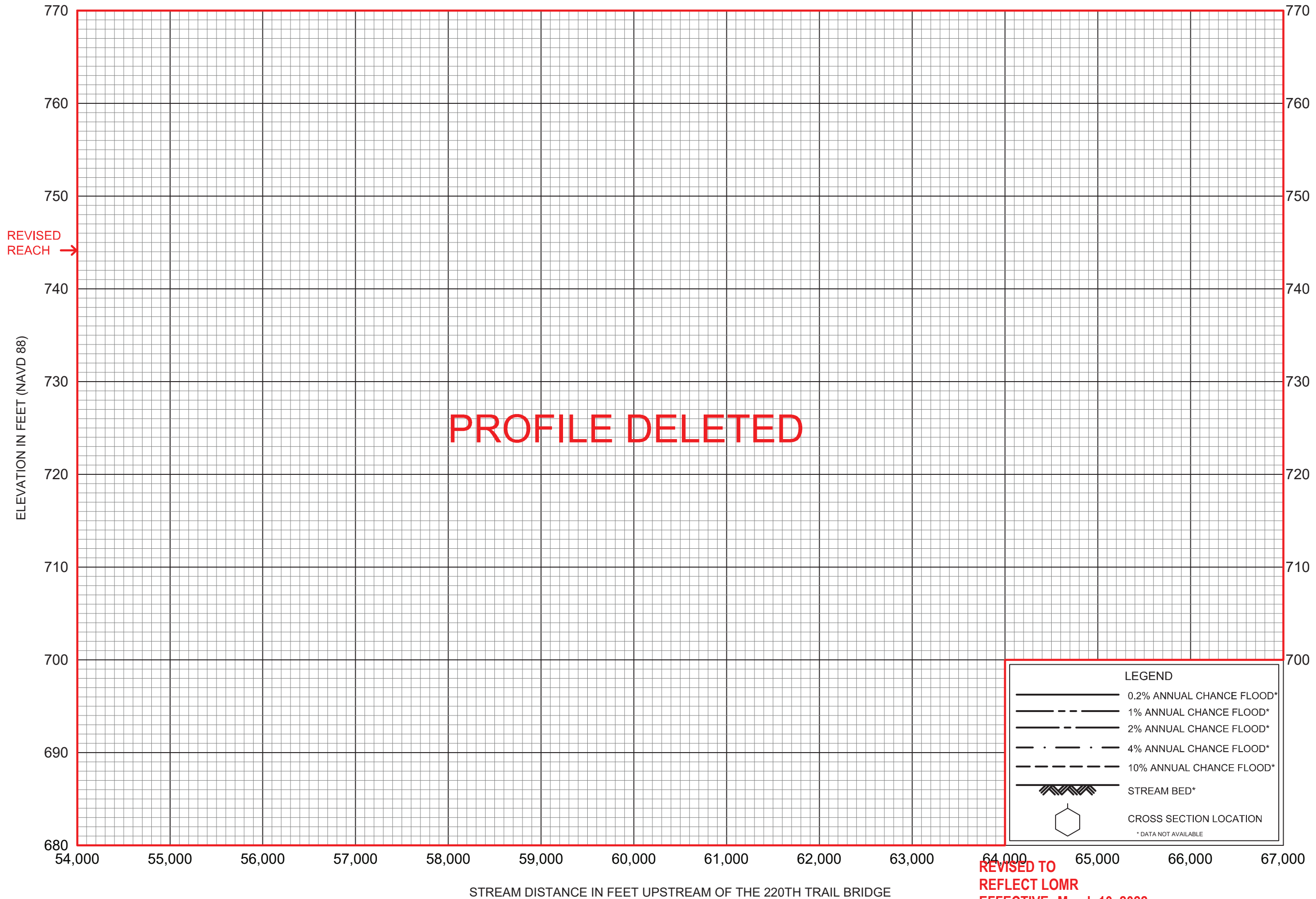
REVISED TO  
REFLECT LOMR  
EFFECTIVE: March 10, 2022

FLOOD PROFILES

IOWA RIVER (LAND SIDE OF LEVEE)

FEDERAL EMERGENCY MANAGEMENT AGENCY

IOWA COUNTY, IOWA  
AND INCORPORATED AREAS

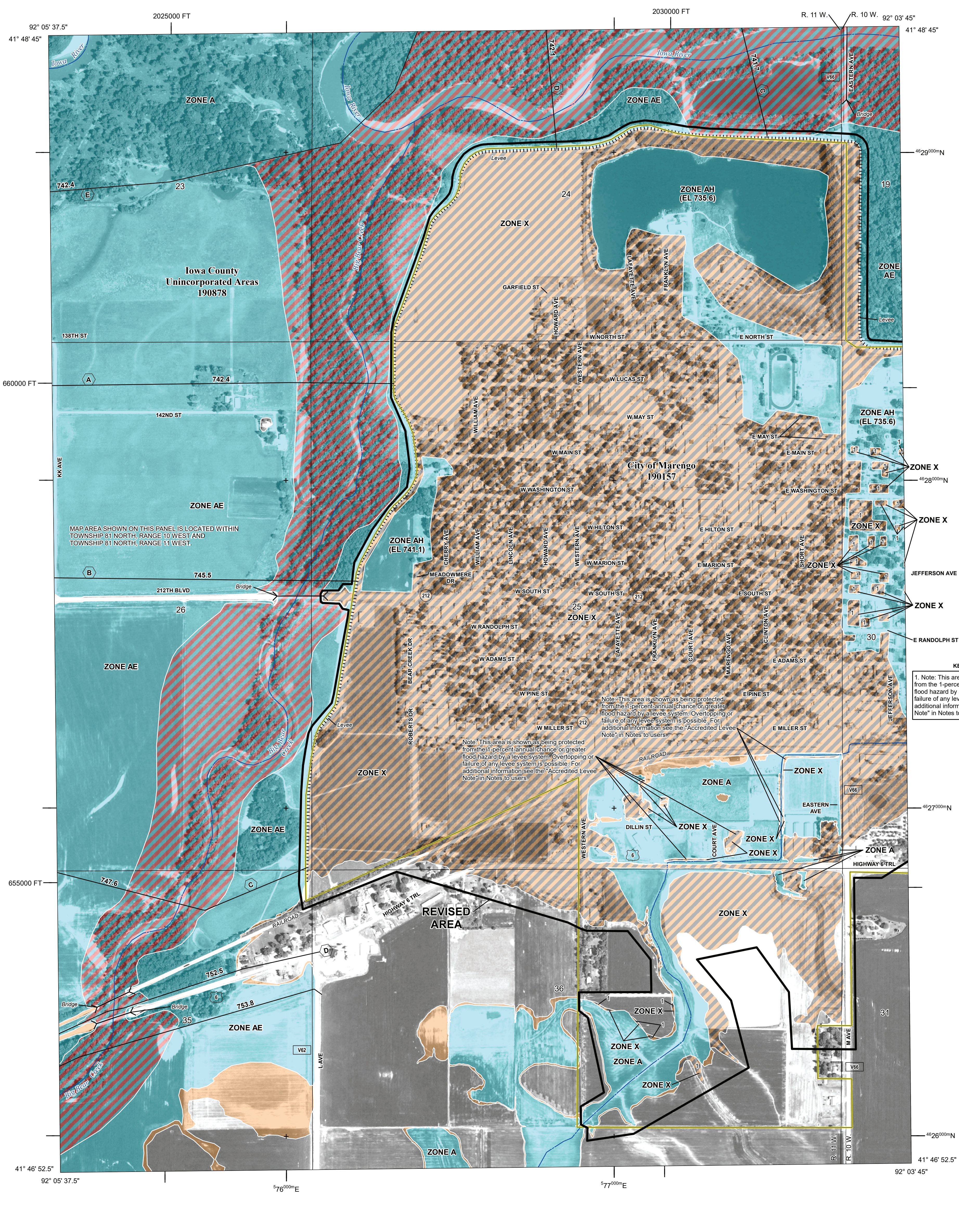


FLOOD PROFILES

IOWA RIVER (LAND SIDE OF LEVEE)

FEDERAL EMERGENCY MANAGEMENT AGENCY

IOWA COUNTY, IOWA  
AND INCORPORATED AREAS



**FLOOD HAZARD INFORMATION**

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT  
**THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT [HTTPS://MSC.FEMA.GOV](https://MSC.FEMA.GOV)**

	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway
	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
	Area with Flood Risk due to Levee Zone D
	NO SCREEN Areas of Minimal Flood Hazard Zone X
	Area of Undetermined Flood Hazard Zone D
	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
	Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary

**NOTES TO USERS**

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at <https://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.

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

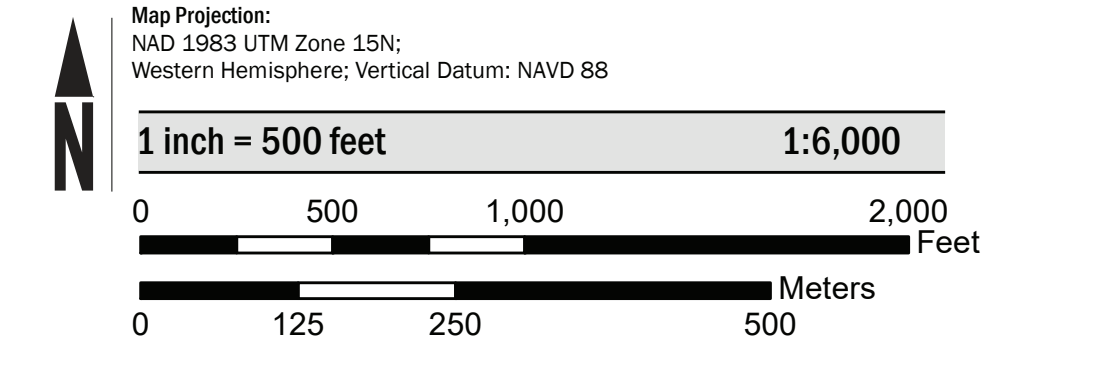
For community and countywide map dates refer to the Flood Insurance Study Report for this jurisdiction.

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

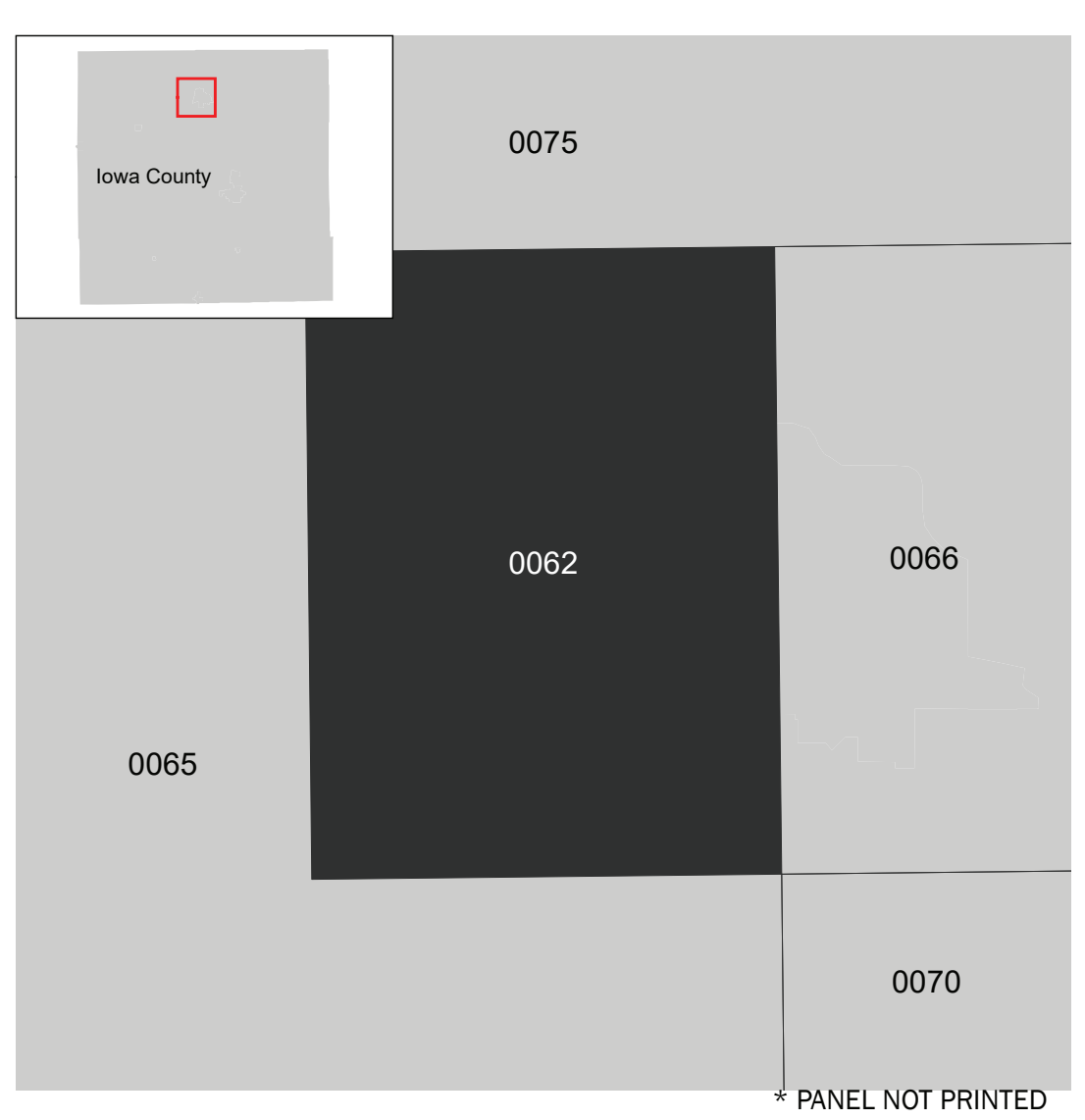
Base map information shown on this FIRM was derived from digital orthophotography collected by the Iowa Department of Natural Resources. This imagery was flown in 2010.

**ACCREDITED LEVEE:** Check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection for areas on this panel. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit: <https://www.fema.gov/national-flood-insurance-program>

**SCALE**



**PANEL LOCATOR**



**FEMA**  
 National Flood Insurance Program

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

IOWA COUNTY, IOWA  
 and Incorporated Areas

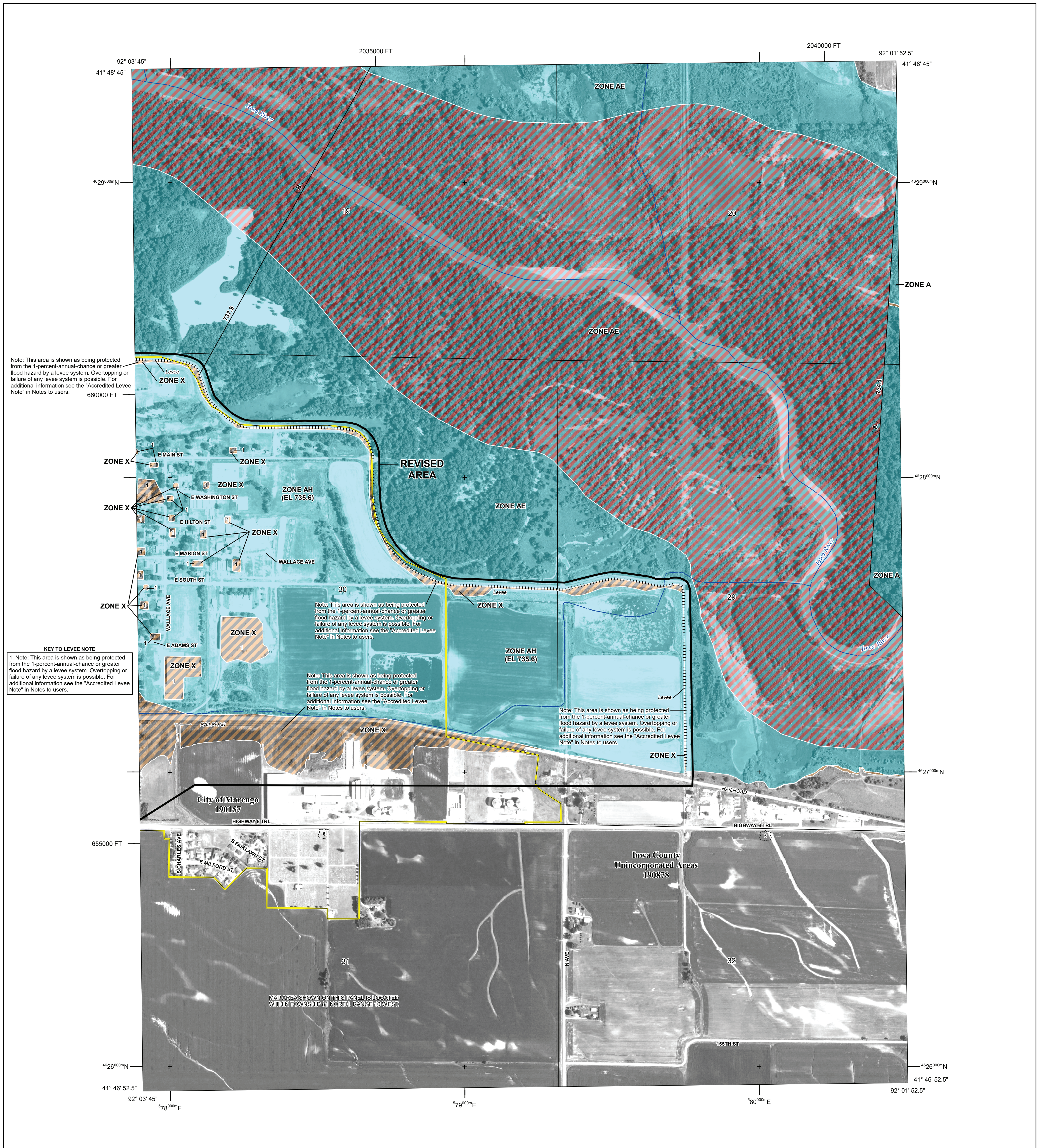
PANEL 62 of 375

COMMUNITY	NUMBER	PANEL	SUFFIX
IOWA COUNTY	190878	0062	F
MARENGO, CITY OF	190157	0062	F

Panel Contains:

**REVISED TO REFLECT LOMR EFFECTIVE: March 10, 2022**

VERSION NUMBER 2.4.3.0  
 MAP NUMBER 19095C0062F  
 MAP REVISED OCTOBER 21, 2021



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	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
	Area with Flood Risk due to Levee Zone D
	Areas of Minimal Flood Hazard Zone X
	Area of Undetermined Flood Hazard Zone D
	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
	Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary

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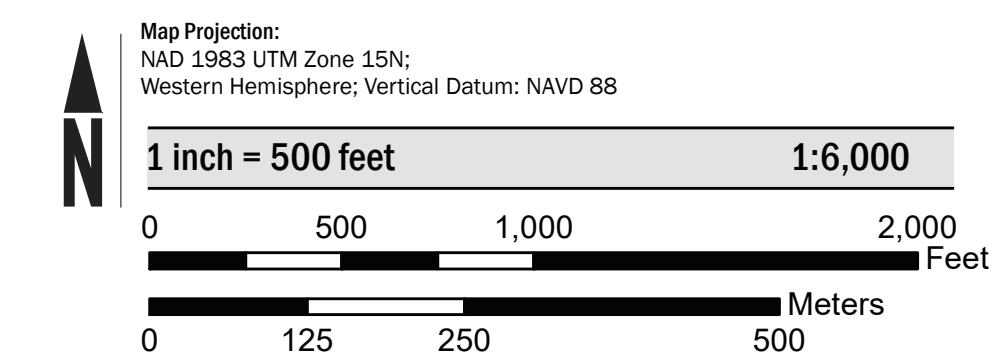
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**SCALE**



**PANEL LOCATOR**



**FEMA**  
 National Flood Insurance Program

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

**IOWA COUNTY, IOWA**  
 and Incorporated Areas

**PANEL 66 OF 375**

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
IOWA COUNTY	190878	0066	F
MARENGO, CITY OF	190157	0066	F

**REVISED TO REFLECT LOMR EFFECTIVE: March 10, 2022**

VERSION NUMBER  
**2.4.3.0**

MAP NUMBER  
**19095C0066F**

MAP REVISED  
**OCTOBER 21, 2021**