FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 1 OF 3

PEORIA COUNTY, ILLINOIS

AND INCORPORATED AREAS

COMMUNITY NAME	COMMUNITY NUMBER
BARTONVILLE, VILLAGE OF	170534
BELLEVUE, VILLAGE OF	175259
BRIMFIELD, VILLAGE OF *	175261
CHILLICOTHE, CITY OF	170535
DUNLAP, VILLAGE OF	171030
ELMWOOD, CITY OF	175255
FARMINGTON, CITY OF *	170952
GLASFORD, VILLAGE OF	175258
HANNA CITY, VILLAGE OF *	175260
KINGSTON MINES, VILLAGE OF	170758
MAPLETON, VILLAGE OF	170836
NORWOOD, VILLAGE OF	175256
PEKIN, CITY OF	170654
PEORIA COUNTY UNINCORPORATED AREAS	170533
PEORIA HEIGHTS, VILLAGE OF	170537
PEORIA, CITY OF	170536
PRINCEVILLE, VILLAGE OF	175257
WEST PEORIA, CITY OF	171034

* No Special Flood Hazard Areas Identified

PRELIMINARY
6/26/2024

EFFECTIVE:

TBD

FLOOD INSURANCE STUDY NUMBER
17143CV001A
Version Number 2.8.4.0

FEMA

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Published Separately

Flood Insurance Rate Map (FIRM)

FLOOD INSURANCE STUDY REPORT
PEORIA COUNTY, ILLINOIS

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 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, *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 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 Peoria County, Illinois.

The jurisdictions that are included in this project area, along with the Community Identification Number (CID) for each community and the United States Geological Survey (USGS) 8-digit Hydrologic Unit Code (HUC-8) sub-basins affecting each, are shown in Table 1. The 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.

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
Bartonville, Village of	170534	07130003	17143C0312D 17143C0314D 17143C0316D 17143C0317D 17143C0318D 17143C0319D 17143C0338D 17143C0406D 17143C0407D	
Bellevue, Village of	175259	07130003	17143C0304D 17143C0308D 17143C0309D 17143C0312D 17143C0316D 17143C0317D	
Brimfield, Village of [1]	175261	07130003	17143C0135D 17143C0155D	
Chillicothe, City of	170535	07130001	17143C0084D 17143C0092D 17143C0094D 17143C0095D 17143C0103D 17143C0111D 17143C0112D 17143C0113D	
Dunlap, Village of	171030	07130003	17143C0180D 17143C0181D 17143C0182D 17143C0183D	
Elmwood, City of	175255	07130003 07130005	17143C0136D 17143C0137D 17143C0138D 17143C0139D	
Farmington, City of [1, 3]	170952	07130003 07130005	17143C0255D	
Glasford, Village of	175258	07130003	17143C0379D 17143C0383D	
Hanna City, Village of [1]	175260	07130003	17143C0280D 17143C0283D 17143C0295D	
Kingston Mines, Village of	170758	07130003	17143C0383D 17143C0384D 17143C0391D 17143C0392D	

[1] No Special Flood Hazard Areas Identified

[3] Community is also in Fulton County

Table 1: Listing of NFIP Jurisdictions (continued)

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Mapleton, Village of	170836	07130003	17143C0403D 17143C0404D 17143C0411D	
Norwood, Village of	175256	07130003	17143C0304D	
Pekin, City of [4]	170654	07130003	17143C0408D 17143C0409D	
Peoria County Unincorporated Areas	170533	07130001 07130003 07130005	17143C0005D 17143C0010D 17143C0015D 17143C0020D 17143C0030D 17143C0034D 17143C0035D 17143C0040D 17143C0042D 17143C0045D 17143C0053D 17143C0055D [2] 17143C0060D 17143C0061D 17143C0065D 17143C0070D 17143C0080D 17143C0084D 17143C0085D 17143C0090D 17143C0092D 17143C0094D 17143C0095D 17143C0101D [2] 17143C0102D 17143C0103D 17143C0104D 17143C0111D 17143C0112D 17143C0113D 17143C0130D 17143C0135D 17143C0136D 17143C0137D 17143C0138D 17143C0139D 17143C0145D	

[2] Panel Not Printed

[4] Community is also in Tazewell County

Table 1: Listing of NFIP Jurisdictions (continued)

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Peoria County Unincorporated Areas	170533	07130001 07130003 07130005	17143C0155D 17143C0160D 17143C0165D 17143C0170D 17143C0180D 17143C0181D 17143C0182D 17143C0183D 17143C0184D 17143C0187D 17143C0189D 17143C0190D 17143C0191D 17143C0192D 17143C0193D 17143C0194D 17143C0201D 17143C0202D 17143C0203D [2] 17143C0204D 17143C0206D 17143C0207D 17143C0208D 17143C0209D 17143C0211D 17143C0212D 17143C0214D 17143C0216D 17143C0218D 17143C0226D 17143C0255D 17143C0260D 17143C0265D 17143C0270D 17143C0280D 17143C0283D 17143C0285D 17143C0290D 17143C0295D	

[2] Panel Not Printed

Table 1: Listing of NFIP Jurisdictions (continued)

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Peoria County Unincorporated Areas	170533	07130001 07130003 07130005	17143C0304D 17143C0305D 17143C0306D 17143C0307D 17143C0308D 17143C0309D 17143C0312D 17143C0314D 17143C0315D 17143C0316D 17143C0317D 17143C0318D 17143C0319D 17143C0329D 17143C0331D 17143C0333D 17143C0336D 17143C0337D 17143C0338D 17143C0360D 17143C0379D 17143C0380D 17143C0383D 17143C0384D 17143C0385D 17143C0390D 17143C0391D 17143C0392D 17143C0403D 17143C0404D 17143C0405D 17143C0406D 17143C0407D 17143C0408D 17143C0409D 17143C0411D 17143C0412D 17143C0416D	
Peoria Heights, Village of [4, 5]	170537	07130001 07130003	17143C0214D 17143C0218D 17143C0327D 17143C0331D	

[4] Community is also in Tazewell County

[5] Community is also in Woodford County

Table 1: Listing of NFIP Jurisdictions (continued)

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Peoria, City of	170536	07130001 07130003	17143C0183D 17143C0184D 17143C0187D 17143C0189D 17143C0191D 17143C0192D 17143C0193D 17143C0194D 17143C0202D 17143C0203D [2] 17143C0204D 17143C0211D 17143C0212D 17143C0213D 17143C0214D 17143C0218D 17143C0306D 17143C0307D 17143C0309D 17143C0317D 17143C0319D 17143C0326D 17143C0327D 17143C0328D 17143C0329D 17143C0331D 17143C0333D 17143C0336D 17143C0337D 17143C0338D	
Princeville, Village of	175257	07130005	17143C0034D 17143C0042D 17143C0053D 17143C0061D	
West Peoria, City of	171034	07130003	17143C0308D 17143C0309D 17143C0317D 17143C0328D 17143C0336D	

[1] No Special Flood Hazard Areas Identified
[2] Panel Not Printed
[3] Community is also in Fulton County
[4] Community is also in Tazewell County
[5] Community is also in Woodford County

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-percent-annual-chance flood elevation is also referred to as the Base Flood Elevation (BFE)); delineations of the 1-percent-annual-chance and 0.2-percent-annual-chance floodplains; and 1-percent-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 30, "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 Peoria County became effective on TBD. Refer to Table 27 for information about subsequent revisions to the FIRMs.

- Selected FIRM panels for the community may contain information (such as floodways and cross sections) that was previously shown separately on the corresponding Flood Boundary and Floodway Map (FBFM) panels. In addition, former flood hazard zone designations have been changed as follows:

Old Zone	New Zone
A1 through A30	AE
V1 through V30	VE
B	X (shaded)
C	X (unshaded)

- 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 www.fema.gov/flood-insurance/rules-legislation/community-rating-system or contact your appropriate FEMA Regional Office for more information about this program.

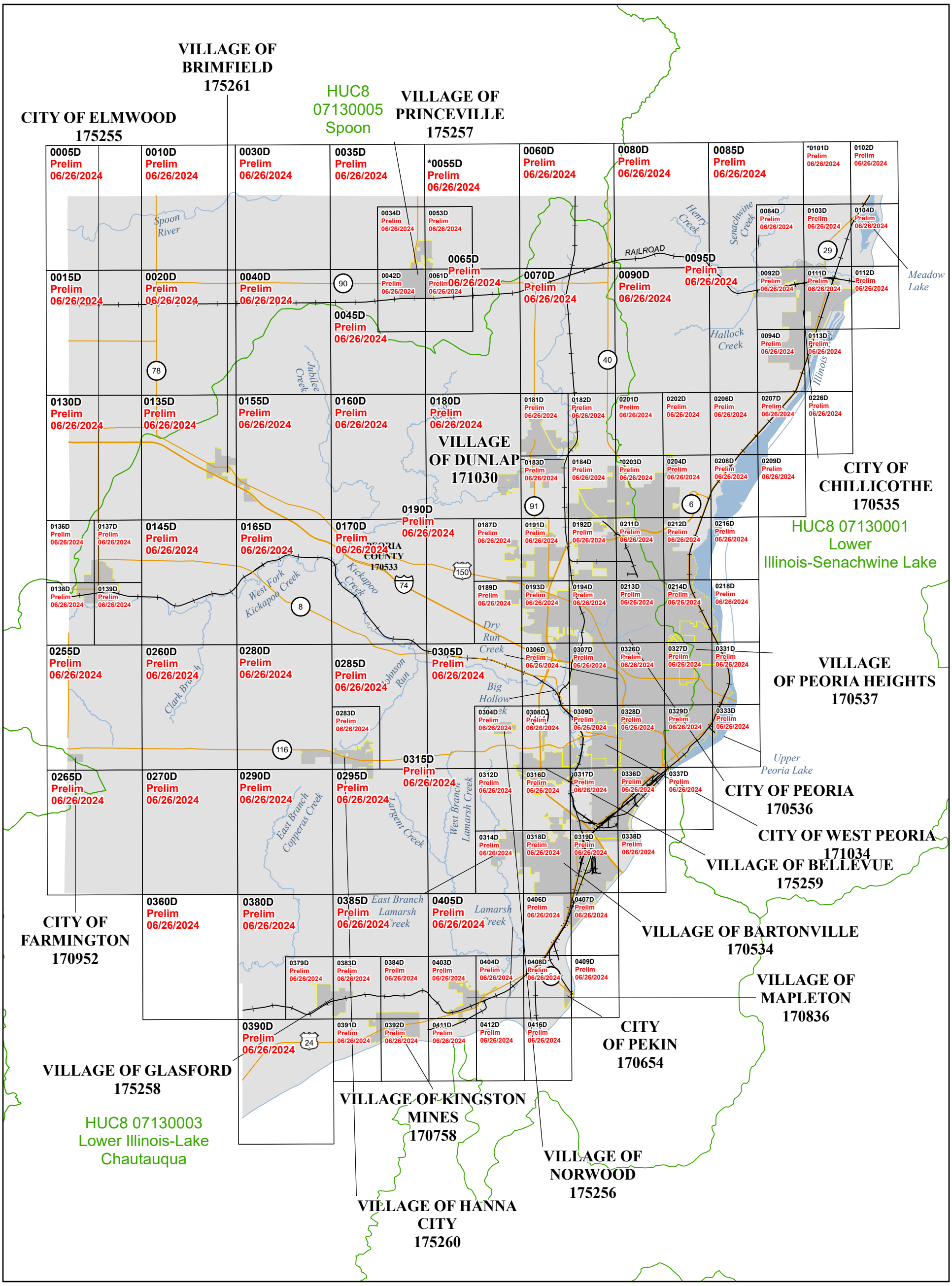
- FEMA does not design, build, inspect, operate, maintain, or certify levees. FEMA is responsible for accurately identifying flood hazards and communicating those hazards and risks to affected stakeholders. FEMA has identified one or more levee systems in this jurisdiction summarized in Table 8 of this FIS Report. For FEMA to accredit the identified levee systems, the levee systems 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."

  Information on the levee systems in this jurisdiction can be obtained from the USACE National Levee Database (https://levees.sec.usace.army.mil/). For additional information, the user should contact the appropriate jurisdiction floodplain administrator and the levee owner or sponsor.

- 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 www.fema.gov/flood-maps/tutorials.

The FIRM Index in Figure 1 shows the overall FIRM panel layout within Peoria County, and also displays the panel number and effective date for each FIRM panel in the county. Other information shown on the FIRM Index includes community boundaries, flooding sources, watershed boundaries, and USGS HUC-8 codes.

Figure 1: FIRM Index



1 inch = 17,245 feet 1:206,942

N

feet 0 5,000 10,000 20,000 30,000

Map Projection:
NAD 1983 StatePlane Illinois West FIPS 1202 Feet
Vertical Datum: NAVD88

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT

HTTPS://MSC.FEMA.GOV

SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

* PANEL NOT PRINTED - NO SPECIAL FLOOD HAZARD AREAS

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP INDEX

PEORIA COUNTY, ILLINOIS And Incorporated Areas

PANELS PRINTED:

0005, 0010, 0015, 0020, 0030, 0034, 0035, 0040, 0042, 0045, 0053, 0060, 0061, 0065, 0070, 0080, 0084, 0085, 0090, 0092, 0094, 0095, 0102, 0103, 0104, 0111, 0112, 0113, 0130, 0135, 0136, 0137, 0138, 0139, 0145, 0155, 0160, 0165, 0170, 0180, 0181, 0182, 0183, 0184, 0187, 0189, 0190, 0191, 0192, 0193, 0194, 0201, 0202, 0204, 0206, 0207, 0208, 0209, 0211, 0212, 0213, 0214, 0216, 0218, 0226, 0255, 0260, 0265, 0270, 0280, 0283, 0285, 0290, 0295, 0304, 0305, 0306, 0307, 0308, 0309, 0312, 0314, 0315, 0316, 0317, 0318, 0319, 0326, 0327, 0328, 0329, 0331, 0333, 0336, 0337, 0338, 0360, 0379, 0380, 0383, 0384, 0385, 0390, 0391, 0392, 0403, 0404, 0405, 0406, 0407, 0408, 0409, 0411, 0412, 0416

FEMA

MAP NUMBER
17143CIND1A

EFFECTIVE DATE
Prelim Issue Date: 06/26/2024

Each FIRM panel may contain specific notes to the user that provide additional information regarding the flood hazard data shown on that map. However, the FIRM panel does not contain enough space to show all the notes that may be relevant in helping to better understand the information on the panel. Figure 2 contains the full list of these notes.

Figure 2: FIRM Notes to Users

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), 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 Mapping and Insurance eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at 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 Flood Map Service Center website or by calling the FEMA Mapping and Insurance 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 Flood Map Service Center at the number listed above.

For community and countywide map dates, refer to Table 27 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 Non-Coastal 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.

FLOOD CONTROL STRUCTURE INFORMATION: Certain areas not in Special Flood Hazard Areas may have reduced flood hazards due to flood control structures. Refer to Section 4.3 "Dams and Other Flood Hazard Reduction Measures" of this FIS Report for information on flood control structures for this jurisdiction.

Figure 2. FIRM Notes to Users (continued)

PROJECTION INFORMATION: The projection used in the preparation of the map was State Plane Illinois West 1202. The horizontal datum was the North American Datum of 1983 NAD83 (2011), GRS1980 spheroid. 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 the North American Vertical Datum of 1988. 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 the North American Vertical Datum of 1988, visit the National Geodetic Survey website at www.ngs.noaa.gov.

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 30 of this FIS Report.

BASE MAP INFORMATION: Base map information shown on the FIRM was provided by in digital format by the United States Geological Survey (USGS). The basemap shown is the USGS National Map: Orthoimagery. Last refreshed October 2020. For information about base maps, refer to Section 6.2 “Base Map” in this FIS Report.

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 Peoria County, Illinois, 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 27 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 Peoria County, Illinois, effective TBD.

ACCREDITED LEVEE SYSTEM: Check with your local community to obtain more information on the levee system(s) shown as providing flood hazard reduction on this panel. To mitigate flood hazards in residual risk areas, property owners and residents are encouraged to review the community's emergency preparedness plan and to consider flood insurance and floodproofing or other risk reduction measures. For more information on flood insurance, interested parties should visit www.fema.gov/flood-insurance.

NON-ACCREDITED LEVEE SYSTEM: This panel contains a levee system that has not been accredited and is therefore not recognized as reducing the 1-percent-annual-chance flood hazard.

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.

Each FIRM panel contains an abbreviated legend for the features shown on the maps. However, the FIRM panel does not contain enough space to show the legend for all map features. Figure 3 shows the full legend of all map features. Note that not all of these features may appear on the FIRM panels in Peoria County.

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.
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.
	Area with Reduced Flood Hazard due to Accredited or Provisionally Accredited Levee System: Area is shown as reduced flood hazard from the 1-percent-annual-chance or greater flood by a levee system. Overtopping or failure of any levee system is possible. See Notes to Users for important information.
	Area with Undetermined Flood Hazard due to Non-Accredited Levee System: Analysis and mapping procedures for non-accredited levee systems were applied resulting in a flood insurance rate zone where flood hazards are undetermined, but possible.
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.
NO SCREEN	Unshaded Zone X: Areas of minimal flood hazard.
FLOOD HAZARD AND OTHER BOUNDARY LINES	
(ortho) (vector)	Flood Zone Boundary (white line on ortho-photography-based mapping; gray line on vector-based mapping)
	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

Figure 3: Map Legend for FIRM (continued)

GENERAL STRUCTURES	
Aqueduct *Channel* *Culvert* *Storm Sewer*	Channel, Culvert, Aqueduct, or Storm Sewer
Dam *Jetty* *Weir*	Dam, Jetty, Weir
	Levee, Dike, or Floodwall
Bridge	Bridge
REFERENCE MARKERS	
22.0	River mile Markers
CROSS SECTION & TRANSECT INFORMATION	
B 20.2	Lettered Cross Section with Regulatory Water Surface Elevation (BFE)
5280 21.1	Numbered Cross Section with Regulatory Water Surface Elevation (BFE)
17.5	Unlettered Cross Section with Regulatory Water Surface Elevation (BFE)
8	Coastal Transect
	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.
	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.
513	Base Flood Elevation Line
ZONE AE **(EL 16)**	Static Base Flood Elevation value (shown under zone label)
ZONE AO **(DEPTH 2)**	Zone designation with Depth
ZONE AO **(DEPTH 2)** **(VEL 15 FPS)**	Zone designation with Depth and Velocity

Figure 3: Map Legend for FIRM (continued)

BASE MAP FEATURES	
Missouri Creek	River, Stream or Other Hydrographic Feature
234	Interstate Highway
234	U.S. Highway
234	State Highway
234	County Highway
MAPLE LANE	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
$^{42}76^{000m}$E	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-percent-annual-chance (100-year) flood has been adopted by FEMA as the base flood for floodplain management purposes. The 0.2-percent-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 Peoria 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-percent-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 22), study methodologies employed (Section 5.0), and flood risk, certain flooding sources may be mapped to show both the 1-percent and 0.2-percent-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-percent-annual-chance floodplain boundary on the FIRM, without published water surface elevations. In cases where the 1-percent and 0.2-percent-annual-chance floodplain boundaries are close together, only the 1-percent-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 Peoria 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 12. 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-percent-annual-chance floodplain corresponds to the SFHAs. The 0.2-percent-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.

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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Big Hollow Creek	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Kickapoo Creek	Approximately 13,138 feet upstream of confluence with Kickapoo Creek (Approximately 6,838 feet upstream of Interstate 74)	07130003	2.5	N	A	2014
Big Hollow Creek	Peoria County Unincorporated Areas; Peoria, City of	Approximately 13,138 feet upstream of confluence with Kickapoo Creek	Approximately 39,948 feet upstream of confluence with Kickapoo Creek (Approximately 470 feet upstream of Morningside Drive)	07130003	5.1	Y	AE	2021
Big Hollow Creek Tributary A	Peoria, City of	Confluence with Big Hollow Creek	Approximately 2,316 feet upstream of confluence with Big Hollow Creek (Approximately 1,740 feet upstream of W Charter Oak Road)	07130003	0.4	Y	AE	2021
Big Hollow Creek Tributary A	Peoria, City of	Approximately 2,316 feet upstream of confluence with Big Hollow Creek	Approximately 10,556 feet upstream of confluence with Big Hollow Creek (Approximately 700 feet upstream of Willow Knolls Road / County Highway 37)	07130003	1.6	N	AE	2021
Big Hollow Creek Tributary A1	Peoria, City of	Confluence with Big Hollow Creek Tributary A	Approximately 5,645 feet upstream of confluence with Big Hollow Creek (Approximately 1,200 feet upstream of Chartwell Road)	07130003	1.1	N	A	2020
Boyds Hollow Creek	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Illinois River	Approximately 10,677 feet upstream of confluence with Illinois River (Approximately 1,300 feet upstream of Boyds Hollow Road)	07130001	2.0	Y	AE	2020
Clark Branch	Peoria County Unincorporated Areas	Confluence with West Fork Kickapoo Creek	Approximately 32,391 feet upstream of confluence with West Fork Kickapoo Creek (Approximately 4,716 feet upstream of N Quarry Road)	07130003	6.1	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Clark Branch Tributary A	Peoria County Unincorporated Areas	Confluence with Clark Branch	Approximately 5,278 feet upstream of confluence with Clark Branch	07130003	1.0	N	A	2014
Clark Branch Tributary B	Peoria County Unincorporated Areas	Confluence with Clark Branch	Approximately 24,941 feet upstream of confluence with Clark Branch (Approximately 1,973 feet downstream of W Farmington Road)	07130003	4.7	N	A	2014
Clark Branch Tributary B1	Peoria County Unincorporated Areas	Confluence with Clark Branch Tributary B	Approximately 1,307 feet upstream of confluence with Clark Branch Tributary B	07130003	0.2	N	A	2014
Coal Hollow	Peoria County Unincorporated Areas	Confluence with Warsaw Run	Approximately 5,624 feet upstream of confluence with Warsaw Run	07130003	1.1	N	A	2014
Coon Creek	Peoria County Unincorporated Areas	Confluence with Illinois River	Approximately 9,140 feet upstream of confluence with Illinois River (Approximately 1,597 feet upstream of Illinois Route 29)	07130001	1.7	N	A	2014
Coon Creek North Branch	Peoria County Unincorporated Areas	Approximately 9,140 feet upstream of confluence with Illinois River (Approximately 1,597 feet upstream of Illinois Route 29)	Approximately 14,261 feet upstream of confluence with Illinois River(Approximately 6,714 feet upstream of Illinois Route 29)	07130001	1.0	N	A	2014
Dickison Run	Peoria County Unincorporated Areas	Confluence with Illinois River	Approximately 19,308 feet upstream of confluence with Illinois River (Approximately 8,259 feet upstream of E Boy Scout Road)	07130001	3.7	N	A	2014
Dry Run	Peoria County Unincorporated Areas	Confluence with Illinois River	Approximately 13,059 feet upstream of confluence with Illinois River (Approximately 9,795 feet upstream of W Wheeler Road)	07130003	2.5	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Dry Run Creek	Peoria County Unincorporated Areas; Peoria, City of; West Peoria, City of	Confluence with Kickapoo Creek	Approximately 36,765 feet upstream of confluence with Kickapoo Creek (Just downstream of N Sheridan Road)	07130003	7.0	Y	AE	2020
Dry Run Creek Tributary A	Peoria, City of	Confluence with East Branch Dry Run Creek	Approximately 8,134 feet upstream of confluence with East Branch Dry Run Creek (Approximately 70 feet upstream of W Hudson Street)	07130003	1.5	Y	AE	2020
Dry Run Creek Tributary C	Peoria, City of	Confluence with Dry Run Creek	Approximately 11,449 feet upstream of confluence with Dry Run Creek (Approximately 550 feet upstream of W Hidden Lane)	07130003	2.2	Y	AE	2020
Dry Run Tributary	Peoria County Unincorporated Areas	Confluence with Dry Run	Approximately 1,758 feet upstream of confluence with Dry Run	07130003	0.3	N	A	2014
East Branch Copperas Creek	Peoria County Unincorporated Areas	At Peoria County and Fulton County Boundary (Approximately 10,175 feet downstream of S Trivoli Road)	Approximately 65,645 feet upstream of Peoria County and Fulton County Boundary (Just downstream of S Eden Road)	07130003	12.5	N	A	2014
East Branch Copperas Creek Tributary A	Peoria County Unincorporated Areas	Confluence with East Branch Copperas Creek	Approximately 41,989 feet upstream of confluence with East Branch Copperas Creek (Approximately 1,737 feet upstream of W Smithville Road)	07130003	8.0	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
East Branch Copperas Creek Tributary A1	Peoria County Unincorporated Areas	Confluence with East Branch Copperas Creek Tributary A	Approximately 12,442 feet upstream of confluence with East Branch Copperas Creek Tributary A (Approximately 4,227 feet upstream of S Hanna City-Glasford Road)	07130003	2.4	N	A	2014
East Branch Copperas Creek Tributary B	Peoria County Unincorporated Areas	Confluence with East Branch Copperas Creek	Approximately 14,902 feet upstream of confluence with East Branch Copperas Creek (At Peoria County and Fulton County Boundary)	07130003	2.8	N	A	2014
East Branch Copperas Creek Tributary B	Peoria County Unincorporated Areas	Approximately 18,279 feet upstream of confluence with East Branch Copperas Creek (At Peoria County and Fulton County Boundary)	Approximately 51,418 feet upstream of confluence with East Branch Copperas Creek (Approximately 3,164 feet upstream of W Higgs Road)	07130003	6.3	N	A	2014
East Branch Copperas Creek Tributary B1	Peoria County Unincorporated Areas	Confluence with East Branch Copperas Creek Tributary B	Approximately 18,240 feet upstream of confluence with East Branch Copperas Creek Tributary B (Approximately 2,742 feet upstream of S Texas Road)	07130003	3.5	N	A	2014
East Branch Copperas Creek Tributary B2	Peoria County Unincorporated Areas	Confluence with East Branch Copperas Creek Tributary B	Approximately 4,521 feet upstream of confluence with East Branch Copperas Creek Tributary B	07130003	0.9	N	A	2014
East Branch Copperas Creek Tributary C	Peoria County Unincorporated Areas	Confluence with East Branch Copperas Creek	Approximately 12,301 feet upstream of confluence with East Branch Copperas Creek (Approximately 2,961 feet upstream of W Heuerman Road)	07130003	2.3	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
East Branch Copperas Creek Tributary D	Peoria County Unincorporated Areas	Confluence with East Branch Copperas Creek	Approximately 10,550 feet upstream of confluence with East Branch Copperas Creek (Approximately 1,017 feet upstream of S Texas Road)	07130003	2.0	N	A	2014
East Branch Copperas Creek Tributary E	Peoria County Unincorporated Areas	Confluence with East Branch Copperas Creek	Approximately 8,586 feet upstream of confluence with East Branch Copperas Creek	07130003	1.6	N	A	2014
East Branch Copperas Creek Tributary F	Peoria County Unincorporated Areas	Confluence with East Branch Copperas Creek	Approximately 13,254 feet upstream of confluence with East Branch Copperas Creek (Approximately 4,709 feet upstream of W Pleasant Grove Road)	07130003	2.5	N	A	2014
East Branch Dry Run Creek	Peoria, City of	Confluence with Dry Run Creek	Approximately 24,265 feet upstream of confluence with Dry Run Creek (Approximately 70 feet upstream of E Frances Avenue)	07130003	4.6	Y	AE	2020
East Branch Dry Run Creek Tributary A	Peoria, City of	Confluence with East Branch Dry Run Creek	Approximately 4,861 feet upstream confluence with East Branch Dry Run Creek (Approximately 675 feet upstream of W Florence Avenue)	07130003	0.9	N	AE	2012
East Branch Lamarsh Creek	Bartonville, Village of; Peoria County Unincorporated Areas	Confluence with Lamarsh Creek	Approximately 60,778 feet upstream confluence with Lamarsh Creek (Approximately 893 feet upstream of W Plank Road)	07130003	11.5	N	A	2014
East Branch Lamarsh Creek Tributary A	Peoria County Unincorporated Areas	Confluence with East Branch Lamarsh Creek	Approximately 13,328 feet upstream confluence with East Branch Lamarsh Creek (Approximately 2,578 feet upstream of S Lafayette Avenue)	07130003	2.5	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
East Branch Lamarsh Creek Tributary B	Bartonville, Village of; Peoria County Unincorporated Areas	Confluence with East Branch Lamarsh Creek	Approximately 15,977 feet upstream confluence with East Branch Lamarsh Creek (Approximately 1,033 feet upstream of W Pfeiffer Road)	07130003	3.0	N	A	2014
East Branch Lamarsh Creek Tributary B1	Bartonville, Village of	Confluence with East Branch Lamarsh Creek Tributary B	Approximately 2,707 feet upstream of confluence with East Branch Lamarsh Creek Tributary B	07130003	0.5	N	A	2014
East Branch Lamarsh Creek Tributary C	Bartonville, Village of; Peoria County Unincorporated Areas	Confluence with East Branch Lamarsh Creek	Approximately 6,562 feet upstream of confluence with East Branch Lamarsh Creek	07130003	1.2	N	A	2014
East Branch Lamarsh Creek Tributary C	Bartonville, Village of	Approximately 6,562 feet upstream of confluence with East Branch Lamarsh Creek	Approximately 11,874 feet upstream confluence with East Branch Lamarsh Creek (Just downstream of S Airport Road / County Highway 49)	07130003	1.0	N	A	2020
East Branch Lamarsh Creek Tributary D	Peoria County Unincorporated Areas	Confluence with East Branch Lamarsh Creek	Approximately 1,898 feet upstream of confluence with East Branch Lamarsh Creek	07130003	0.4	N	A	2014
East Branch Lamarsh Creek Tributary E	Peoria County Unincorporated Areas	Confluence with East Branch Lamarsh Creek	Approximately 1,416 feet upstream of confluence with East Branch Lamarsh Creek	07130003	0.3	N	A	2014
Fargo Run	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Kickapoo Creek	Approximately 41,967 feet upstream of confluence with Kickapoo Creek (Just downstream of Illinois Route 6)	07130003	7.9	Y	AE	2019
Fargo Run Tributary A	Peoria County Unincorporated Areas	Confluence with Fargo Run	Approximately 4,625 feet upstream of confluence with Fargo Run	07130003	0.9	N	AE	2019

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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Fargo Run Tributary A1	Peoria County Unincorporated Areas	Confluence with Fargo Run Tributary A	Approximately 1,718 feet upstream of confluence with Fargo Run Tributary A	07130003	0.3	N	AE	2019
Fargo Run Tributary B	Peoria County Unincorporated Areas	Confluence with Fargo Run	Approximately 2,649 feet upstream of confluence with Fargo Run (Approximately 450 feet upstream of W Challacombe Road)	07130003	0.5	N	AE	2019
Fargo Run Tributary C	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Fargo Run	Approximately 11,830 feet upstream of confluence with Fargo Run (Approximately 1,780 feet upstream of N Brauer Road)	07130003	2.2	N	A	2014
French Creek	Peoria County Unincorporated Areas	At Peoria County and Knox County Boundary (Approximately 7,705 feet downstream of N Elmore Road / County Highway 15)	Approximately 36,547 feet upstream of Peoria County and Knox County Boundary (Just downstream of N Brimfield Road / County Highway 23)	07130005	6.9	N	A	2014
Hallock Creek	Chillicothe, City of; Peoria County Unincorporated Areas	Confluence with Senachwine Creek	Approximately 27,500 feet upstream of confluence with Senachwine Creek (Approximately 5,944 feet upstream of E Hallock Hollow Road)	07130001	5.2	N	A	2014
Hallock Creek Tributary	Peoria County Unincorporated Areas	Confluence with Hallock Creek	Approximately 19,598 feet upstream of confluence with Hallock Creek (Approximately 13,747 feet upstream of N Old Galena Road)	07130001	3.7	N	A	2014
Henry Creek	Peoria County Unincorporated Areas	Confluence with Senachwine Creek	Approximately 33,537 feet upstream of confluence with Senachwine Creek (Approximately 807 feet upstream of E Streitmatter Road)	07130001	6.4	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Henry Creek Tributary A	Peoria County Unincorporated Areas	Confluence with Henry Creek	Approximately 24,134 feet upstream of confluence with Henry Creek (Approximately 22,929 feet upstream of E Santa Fe Road)	07130001	4.6	N	A	2014
Henry Creek Tributary B	Peoria County Unincorporated Areas	Confluence with Henry Creek	Approximately 9,455 feet upstream of confluence with Henry Creek	07130001	1.8	N	A	2014
Hickory Run	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 47,612 feet upstream of confluence with Kickapoo Creek (Approximately 9,140 feet upstream of W Parks School Road)	07130003	9.0	N	A	2014
Hickory Run Tributary A	Peoria County Unincorporated Areas	Confluence with Hickory Run	Approximately 4,441 feet upstream of confluence with Hickory Run	07130003	0.8	N	A	2014
Hickory Run Tributary B	Peoria County Unincorporated Areas	Confluence with Hickory Run	Approximately 17,970 feet upstream of confluence with Hickory Run (Approximately 5,230 feet upstream of W Parks School Road)	07130003	3.4	N	A	2014
Hinkle Branch	Glasford, Village of; Peoria County Unincorporated Areas	At Peoria County and Fulton County Boundary (Approximately 6,559 feet downstream of S Trivoli Road)	Approximately 18,594 feet upstream of Peoria County and Fulton County Boundary (Approximately 4,900 feet upstream of S Coats Road)	07130003	3.5	N	A	2014
Hinkle Branch Tributary	Glasford, Village of; Peoria County Unincorporated Areas	Confluence with Hinkle Branch	Approximately 6,964 feet upstream of confluence with Hinkle Branch (Approximately 1,641 feet upstream of W Devils Washboard Road)	07130003	1.3	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Illinois River	Chillicothe, City of; Pekin, City of; Peoria County Unincorporated Areas; Peoria, City of	Approximately 139.6 miles upstream of confluence with Mississippi River (At Peoria County and Fulton County Boundary / Approximately 13.3 miles downstream of Illinois Route 9)	Approximately 185.1 miles upstream of confluence with Mississippi River (At Peoria County and Marshall County Boundary / Approximately 19.3 miles upstream of U.S. Route 150 / E War Memorial Drive)	07130003, 07130001	45.3	Y	AE	2005
Johnson Run	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 31,979 feet upstream of confluence with Kickapoo Creek (Approximately 3,669 feet upstream of N McAllister Road)	07130003	6.1	N	A	2014
Johnson Run Tributary	Peoria County Unincorporated Areas	Confluence with Johnson Run	Approximately 8,470 feet upstream of confluence with Johnson Run	07130003	1.6	N	A	2014
Jubilee Creek	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 59,415 feet upstream of confluence with Kickapoo Creek (Approximately 10,478 feet upstream of W Parks School Road)	07130003	11.3	N	A	2014
Jubilee Creek Tributary A	Peoria County Unincorporated Areas	Confluence with Jubilee Creek	Approximately 5,762 feet upstream of confluence with Jubilee Creek	07130003	1.1	N	A	2014
Jubilee Creek Tributary B	Peoria County Unincorporated Areas	Confluence with Jubilee Creek	Approximately 26,679 feet upstream of confluence with Jubilee Creek (Approximately 5,780 feet upstream of W Brimfield-Jubilee Road)	07130003	5.1	N	A	2014
Jubilee Creek Tributary C	Peoria County Unincorporated Areas	Confluence with Jubilee Creek	Approximately 34,848 feet upstream of confluence with Jubilee Creek (Approximately 7,790 feet upstream of W Parks School Road)	07130003	6.6	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Jubilee Creek Tributary D	Peoria County Unincorporated Areas	Confluence with Jubilee Creek	Approximately 15,445 feet upstream of confluence with Jubilee Creek (Approximately 7,891 feet upstream of W Parks School Road)	07130003	2.9	N	A	2014
Jubilee Creek Tributary E	Peoria County Unincorporated Areas	Confluence with Jubilee Creek	Approximately 6,053 feet upstream of confluence with Jubilee Creek (Approximately 3,295 feet upstream of N Elliott Road)	07130003	1.1	N	A	2014
Kickapoo Creek	Bartonville, Village of; Bellevue, Village of; Peoria County Unincorporated Areas; Peoria, City of; West Peoria, City of	Confluence with Illinois River	Approximately 135,576 feet above confluence with Illinois River (Approximately 290 feet upstream of W Grange Hall Road)	07130003	25.7	Y	AE	2020
Kickapoo Creek	Dunlap, Village of; Peoria County Unincorporated Areas	Approximately 135,576 feet above confluence with Illinois River (Approximately 290 feet upstream of W Grange Hall Road)	Approximately 237,338 feet above confluence with Illinois River (Just downstream of W Oertley Road)	07130003	19.3	N	A	2014
Kickapoo Creek Overflow	Bartonville, Village of; Peoria County Unincorporated Areas	Approximately 9,600 feet upstream of the confluence with the Illinois River	Approximately 11,300 feet upstream of the confluence with the Illinois River	07130003	2.2	N	A	2021

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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Kickapoo Creek Tributary A	Bartonville, Village of; Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 5,599 feet upstream of the confluence with Kickapoo Creek (Approximately 65 feet downstream of W Smithville Road)	07130003	1.1	Y	AE	2020
Kickapoo Creek Tributary A	Bartonville, Village of; Peoria County Unincorporated Areas	Approximately 5,599 feet upstream of the confluence with Kickapoo Creek (Approximately 65 feet downstream of W Smithville Road)	Approximately 9,637 feet upstream of confluence with Kickapoo Creek (Approximately 3,950 feet upstream of W Smithville Road)	07130003	0.8	N	A	2014
Kickapoo Creek Tributary A1	Bartonville, Village of; Peoria County Unincorporated Areas	Confluence with Kickapoo Creek Tributary A	Approximately 3,255 feet upstream of confluence with Kickapoo Creek Tributary A	07130003	0.6	N	A	2014
Kickapoo Creek Tributary B	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 3,671 feet upstream of confluence with Kickapoo Creek (Approximately 2,700 feet upstream of S Kickapoo Creek Road)	07130003	0.7	N	A	2014
Kickapoo Creek Tributary C	Bellevue, Village of; Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 8,202 feet upstream of confluence with Kickapoo Creek (Approximately 351 feet upstream of Interstate 474)	07130003	1.6	N	A	2014
Kickapoo Creek Tributary C1	Bellevue, Village of; Peoria County Unincorporated Areas	Confluence with Kickapoo Creek Tributary C	Approximately 6,898 feet upstream of confluence with Kickapoo Creek Tributary C (Approximately 1,163 feet upstream of Interstate 474)	07130003	1.3	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Kickapoo Creek Tributary D	Bellevue, Village of; Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 8,585 feet upstream of confluence with Kickapoo Creek (Approximately 280 feet upstream of N Stone Bridge Drive)	07130003	1.6	N	A	2014
Kickapoo Creek Tributary E	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Kickapoo Creek	Approximately 4,407 feet upstream of confluence with Kickapoo Creek (Approximately 3.507 feet upstream of W Southport Road / Illinois Route 8)	07130003	0.8	N	A	2014
Kickapoo Creek Tributary F	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Kickapoo Creek	Approximately 10,062 feet upstream of confluence with Kickapoo Creek (Approximately 833 feet upstream of Illinois Route 6)	07130003	1.9	N	A	2014
Kickapoo Creek Tributary F	Peoria County Unincorporated Areas; Peoria, City of	Approximately 10,062 feet upstream of the confluence with Kickapoo Creek (Approximately 833 feet upstream of Illinois Route 6)	Approximately 12,960 feet upstream of confluence with Kickapoo Creek (Approximately 162 feet downstream of W Charter Oak Road)	07130003	0.6	N	AE	2015
Kickapoo Creek Tributary F	Peoria County Unincorporated Areas; Peoria, City of	Approximately 12,960 feet upstream of the confluence with Kickapoo Creek (Approximately 162 feet downstream of W Charter Oak Road)	Approximately 18,706 feet upstream of confluence with Kickapoo Creek (Approximately 1,706 feet upstream of W Courtland Street)	07130003	1.1	N	A	2014
Kickapoo Creek Tributary F1	Peoria, City of	Confluence with Kickapoo Creek Tributary F	Approximately 1,310 feet upstream of confluence with Kickapoo Creek Tributary F	07130003	0.2	N	AE	2015

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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Kickapoo Creek Tributary F2	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek Tributary F	Approximately 442 feet upstream of confluence with Kickapoo Creek Tributary F	07130003	0.08	N	AE	2015
Kickapoo Creek Tributary G	Norwood, Village of; Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 18,904 feet upstream of confluence with Kickapoo Creek (Approximately 185 feet downstream of W Farmington Road)	07130003	3.4	N	A	2014
Kickapoo Creek Tributary H	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Kickapoo Creek	Approximately 17,879 feet upstream of confluence with Kickapoo Creek (Approximately 3,319 feet upstream of N Koerner Road)	07130003	3.4	N	A	2014
Kickapoo Creek Tributary H	Peoria County Unincorporated Areas; Peoria, City of	Approximately 17,879 feet upstream of the confluence with Kickapoo Creek (Approximately 3,319 feet upstream of N Koerner Road)	Approximately 21,925 feet upstream of confluence with Kickapoo Creek (Approximately 795 feet upstream of W Ironwood Drive)	07130003	0.8	N	A	2020
Kickapoo Creek Tributary H1	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Kickapoo Creek Tributary H	Approximately 2,751 feet upstream of confluence with Kickapoo Creek Tributary H (Approximately 1,229 feet downstream of N Orange Prairie Road)	07130003	0.5	N	A	2014
Kickapoo Creek Tributary H1	Peoria, City of	Approximately 2,751 feet upstream of the confluence with Kickapoo Creek Tributary H (Approximately 1,229 feet downstream of N Orange Prairie Road)	Approximately 7,795 feet upstream of confluence with Kickapoo Creek Tributary H (Approximately 2,170 feet upstream of Illinois Route 6)	07130003	1.0	N	A	2020

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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Kickapoo Creek Tributary H1	Peoria, City of	Approximately 7,795 feet upstream of the confluence with Kickapoo Creek Tributary H (Approximately 2,170 feet upstream of Illinois Route 6)	Approximately 9,333 feet upstream of confluence with Kickapoo Creek Tributary H (Approximately 3,706 feet upstream of Illinois Route 6)	07130003	0.3	N	AE	2018
Kickapoo Creek Tributary H2	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Kickapoo Creek Tributary H	Approximately 3,756 feet upstream of confluence with Kickapoo Creek Tributary H (Approximately 857 feet downstream of Orange Prairie Road)	07130003	0.7	N	A	2014
Kickapoo Creek Tributary H2	Peoria, City of	Approximately 3,756 feet upstream of the confluence with Kickapoo Creek Tributary H (Approximately 857 feet downstream of Orange Prairie Road)	Approximately 9,000 feet upstream of confluence with Kickapoo Creek Tributary H (Just downstream of W War Memorial Drive / U.S. Route 150)	07130003	1.0	N	A	2020
Kickapoo Creek Tributary I	Norwood, Village of; Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 19,250 feet upstream of confluence with Kickapoo Creek (Approximately 1,455 feet upstream of N Christ Church Road)	07130003	3.6	N	A	2014
Kickapoo Creek Tributary J	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 14,572 feet upstream of confluence with Kickapoo Creek	07130003	2.8	N	A	2014
Kickapoo Creek Tributary J1	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek Tributary J	Approximately 4,152 feet upstream of confluence with Kickapoo Creek Tributary J	07130003	0.8	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Kickapoo Creek Tributary K	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 18,276 feet upstream of confluence with Kickapoo Creek (Just downstream of U.S. Highway 150)	07130003	3.5	N	A	2014
Kickapoo Creek Tributary K1	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek Tributary K	Approximately 2,050 feet upstream of confluence with Kickapoo Creek Tributary K	07130003	0.4	N	A	2014
Kickapoo Creek Tributary L	Dunlap, Village of; Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 9,167 feet upstream of confluence with Kickapoo Creek	07130003	1.7	N	A	2014
Kickapoo Creek Tributary M	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Kickapoo Creek	Approximately 19,960 feet upstream of confluence with Kickapoo Creek (Approximately 70 feet downstream of intersection of N Allen Rd and W Alta Road)	07130003	3.8	N	A	2014
Kickapoo Creek Tributary M	Peoria, City of	Approximately 70 feet downstream of intersection of N Allen Rd and W Alta Road	Approximately 2,455 feet upstream of intersection of N Allen Rd and W Alta Road	07130003	0.5	N	AE	2007
Kickapoo Creek Tributary M	Peoria County Unincorporated Areas; Peoria, City of	Approximately 2,455 feet upstream of intersection of N Allen Rd and W Alta Road	Approximately 4,540 feet upstream of intersection of N Allen Rd and W Alta Road	07130003	0.4	N	AE	2014
Kickapoo Creek Tributary M	Peoria County Unincorporated Areas	Approximately 24,621 feet upstream of confluence with Kickapoo Creek	Approximately 25,080 feet upstream of confluence with Kickapoo Creek	07130003	0.09	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Kickapoo Creek Tributary M1	Peoria, City of	Confluence with Kickapoo Creek Tributary M	Approximately 740 feet upstream of confluence with Kickapoo Creek Tributary M (Approximately 141 feet upstream of N Brookshire Drive)	07130003	0.1	N	AE	2007
Kickapoo Creek Tributary M2	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek Tributary M	Approximately 5,766 feet upstream of confluence with Kickapoo Creek Tributary M (Just downstream of W Fox Road)	07130003	1.1	N	A	2020
Kickapoo Creek Tributary M2a	Dunlap, Village of; Peoria County Unincorporated Areas	Confluence with Kickapoo Creek Tributary M2	Approximately 4,642 feet upstream of confluence with Kickapoo Creek Tributary M2	07130003	0.9	N	A	2020
Kickapoo Creek Tributary N	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 9,578 feet upstream of confluence with Kickapoo Creek (Approximately 1,732 feet upstream of W Singing Woods Road)	07130003	1.8	N	A	2014
Kickapoo Creek Tributary O	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 12,955 feet upstream of confluence with Kickapoo Creek (Approximately 2,641 feet upstream of N Hakes Road)	07130003	2.5	N	A	2014
Kickapoo Creek Tributary P	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 8,920 feet upstream of confluence with Kickapoo Creek (Just downstream of W Lakeshore Road)	07130003	2.0	N	A	2014
Lamarsh Creek	Peoria County Unincorporated Areas	Confluence with Illinois River	Approximately 11,747 feet above confluence with Illinois River (Approximately 150 feet downstream of S Cameron Lane)	07130003	2.2	N	A	2014
Largent Creek	Peoria County Unincorporated Areas	Confluence with West Branch Lamarsh Creek	Approximately 21,626 feet upstream of confluence with West Branch Lamarsh Creek (Approximately 9,916 feet upstream of W Smithville Road)	07130003	4.1	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Little Lamarsh Creek	Peoria County Unincorporated Areas	Confluence with Illinois River	Approximately 30,564 feet above confluence with Illinois River (Approximately 3,964 feet upstream of W Cowser Road)	07130003	5.8	N	A	2014
Little Senachwine Creek	Peoria County Unincorporated Areas	Confluence with Senachwine Creek	Approximately 12,970 feet above confluence with Senachwine Creek (At Peoria County and Marshall County Boundary)	07130001	2.5	N	A	2014
Middle Branch Copperas Creek	Peoria County Unincorporated Areas	At Peoria County and Fulton County Boundary (Approximately 5,270 feet downstream of W Linn Road)	Approximately 5,354 feet upstream of Peoria County and Fulton County Boundary (Approximately 85 feet upstream of W Linn Road)	07130003	1.0	N	A	2014
Middle Branch Copperas Creek Tributary A	Peoria County Unincorporated Areas	At Peoria County and Fulton County Boundary (Just upstream of W Orion Road)	Approximately 9,113 feet upstream of Peoria County and Fulton County Boundary (Approximately 1,153 feet upstream of W Concord Road)	07130003	1.7	N	A	2014
Middle Branch Copperas Creek Tributary B	Peoria County Unincorporated Areas	At Peoria County and Fulton County Boundary (Approximately 10,449 feet downstream of W Smithville Road)	Approximately 18,260 feet upstream of Peoria County and Fulton County Boundary (Approximately 3,140 feet upstream of S Cramer Road)	07130003	3.5	N	A	2014
Moon Hollow Creek	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Illinois River	Approximately 9,405 feet above confluence with Illinois River (Approximately 3,385 feet upstream of Illinois Route 6)	07130001	1.8	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Nixon Run	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 52,218 feet upstream of confluence with Kickapoo Creek (Approximately 4,598 feet upstream of W Sommerfield Road)	07130003	9.9	N	A	2014
North Creek	Peoria County Unincorporated Areas; Princeville, Village of	Confluence with Prince Run	Approximately 12,974 feet upstream of confluence with Prince Run (Approximately 2,714 feet upstream of E Woertz Road)	07130005	2.5	N	A	2014
North Fork Tributary Big Hollow Creek	Peoria, City of	Confluence with Big Hollow Creek	Approximately 5,863 feet upstream of confluence with Big Hollow Creek (Approximately 3,160 feet upstream of W Willow Knolls Drive)	07130003	1.1	Y	AE	2021
Pond Lily Lake Tributary A	Mapleton, Village of; Peoria County Unincorporated Areas	Confluence with Illinois River	Approximately 6,120 feet above confluence with Illinois River (Approximately 270 feet upstream of W First Street)	07130003	1.2	N	A	2020
Poppet Hollow Creek	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Illinois River	Approximately 9,053 feet above confluence with Illinois River (Approximately 1,120 feet upstream of Poplet Hollow Road)	07130001	1.7	Y	AE	2020
Poppet Hollow Ditch	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Illinois River	Approximately 3,440 upstream of confluence with Illinois River / Divergence from Poppet Hollow Creek	07130001	0.6	Y	AE	2020

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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Prince Run	Peoria County Unincorporated Areas; Princeville, Village of	At Peoria County and Stark County Boundary (Approximately 7,470 feet downstream of W Streitmatter Road in Peoria County)	Approximately 29,295 feet upstream of Peoria County and Stark County Boundary (Approximately 2,240 feet upstream of N Princeville-Jubilee Road)	07130005	5.5	N	A	2014
Senachwine Creek	Chillicothe, City of; Peoria County Unincorporated Areas	Confluence with Illinois River	Approximately 53,186 feet above confluence with Illinois River (At Peoria County and Marshall County Boundary)	07130001	10.1	N	A	2014
Senachwine Creek Tributary	Peoria County Unincorporated Areas	Confluence with Senachwine Creek	Approximately 18,134 feet upstream of confluence with Senachwine Creek (Approximately 17,654 feet upstream of N Hampton Road)	07130001	3.4	N	A	2014
Spoon River	Peoria County Unincorporated Areas	At Peoria County and Knox County Boundary (Approximately 1,750 feet downstream of Spoon River Road)	Approximately 52,800 feet upstream of Peoria County and Knox County Boundary (At Peoria County and Stark County Boundary)	07130005	10.1	Y	AE	1976
Spoon River Tributary A	Peoria County Unincorporated Areas	Confluence with Spoon River	Approximately 14,904 feet upstream of confluence with Spoon River (Just downstream of W Nightingale Road)	07130005	2.8	N	A	2014
Spoon River Tributary B	Peoria County Unincorporated Areas	Confluence with Spoon River	Approximately 5,024 feet upstream of confluence with Spoon River	07130005	1.0	N	A	2014
Spoon River Tributary C	Peoria County Unincorporated Areas	Confluence with Spoon River	Approximately 5,203 feet upstream of confluence with Spoon River (At Peoria County and Stark County Boundary)	07130005	1.0	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Spoon River Tributary D	Peoria County Unincorporated Areas	Confluence with Spoon River	Approximately 12,513 feet upstream of confluence with Spoon River (Approximately 1,153 feet upstream of W Lorance Road)	07130005	2.4	N	A	2014
Spoon River Tributary E	Peoria County Unincorporated Areas	Confluence with Spoon River	Approximately 19,556 feet upstream of confluence with Spoon River (Approximately 6,096 feet upstream of W Lorance Road)	07130005	3.7	N	A	2014
Spoon River Tributary E1	Peoria County Unincorporated Areas	Confluence with Spoon River Tributary E	Approximately 11,425 feet upstream of confluence with Spoon River Tributary E (Approximately 7,575 feet upstream of N Maher Road)	07130005	2.2	N	A	2014
Spoon River Tributary F	Peoria County Unincorporated Areas	Confluence with Spoon River	Approximately 5,147 feet upstream of confluence with Spoon River (Approximately 2,847 feet upstream of W Brooks Road)	07130005	1.0	N	A	2014
Spoon River Tributary G	Peoria County Unincorporated Areas	Confluence with Spoon River	Approximately 17,574 feet upstream of confluence with Spoon River (Approximately 1,804 feet upstream of W Mendell Road)	07130005	3.3	N	A	2014
Spoon River Tributary H	Peoria County Unincorporated Areas	At Peoria County and Stark County Boundary (Approximately 1,450 feet downstream of N Kraft Road)	Approximately 8,500 feet upstream of Peoria County and Stark County Boundary (Approximately 7,000 feet upstream of N Kraft Road)	07130005	1.6	N	A	2014
Spoon River Tributary I	Peoria County Unincorporated Areas	At Peoria County and Stark County Boundary (Approximately 3,240 feet downstream of N Duncan Road)	Approximately 18,055 feet upstream of Peoria County and Stark County Boundary (Approximately 4,710 feet upstream of N Duncan Road)	07130005	3.4	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Springdale Creek	Peoria County Unincorporated Areas; Peoria, City of	Confluence with Illinois River	Approximately 3,219 feet above confluence with Illinois River (Just downstream of Railroad)	07130001	0.6	Y	AE	2013
Springdale Creek	Peoria, City of	Approximately 3,219 feet above confluence with Illinois River (Just downstream of Railroad)	Approximately 19,160 feet above confluence with Illinois River (Approximately 205 feet downstream of E Lake Avenue)	07130001	3.0	Y	AE	2020
Swab Run	Peoria County Unincorporated Areas	At Peoria County and Knox County Boundary (Approximately 1,440 feet downstream of Interstate 74)	Approximately 19,787 feet upstream of Peoria County and Knox County Boundary (Approximately 4,252 feet upstream of N McClellan Road)	07130005	3.7	N	A	2014
Swab Run Tributary A	Peoria County Unincorporated Areas	At Peoria County and Knox County Boundary (Approximately 2,140 feet downstream of W Claybaugh Road)	Approximately 10,277 feet upstream of Peoria County and Knox County Boundary (Just downstream of W Shissler Road)	07130005	1.9	N	A	2014
Tiber Creek	Peoria County Unincorporated Areas	At Peoria County and Fulton County Boundary (Approximately 7,312 feet downstream of W Smithville Road)	Approximately 26,326 feet upstream of Peoria County and Fulton County Boundary (Approximately 105 feet downstream of S Cramer Road)	07130003	5.0	N	A	2014
Tiber Creek (Walnut)	Peoria County Unincorporated Areas	Confluence with Walnut Creek	Approximately 31,102 feet upstream of confluence with Walnut Creek (Approximately 4,000 feet upstream of W Cahill Road)	07130003	5.9	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
Tiber Creek Tributary A	Peoria County Unincorporated Areas	Confluence with Tiber Creek	Approximately 3,042 feet upstream of confluence with Tiber Creek (Approximately 1,412 feet upstream of W Slater Road)	07130003	0.6	N	A	2020
Walnut Creek	Elmwood, City of; Peoria County Unincorporated Areas	Confluence with West Fork Kickapoo Creek	Approximately 45,222 feet upstream of confluence with West Fork Kickapoo Creek (Approximately 3,212 feet upstream of W Shissler Road)	07130003	8.6	N	A	2014
Walnut Creek (Spoon)	Peoria County Unincorporated Areas	Confluence with Spoon River	Approximately 7,670 feet upstream of confluence with Spoon River (At Peoria County and Stark County Boundary)	07130005	1.5	N	A	2014
Warsaw Run	Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 33,020 feet upstream of confluence with Kickapoo Creek (Just downstream of W Sommerfield Road)	07130003	6.3	N	A	2014
Warsaw Run Tributary A	Peoria County Unincorporated Areas	Confluence with Warsaw Run	Approximately 2,799 feet upstream of confluence with Warsaw Run	07130003	0.5	N	A	2014
West Branch Lamarsh Creek	Peoria County Unincorporated Areas	Confluence with Lamarsh Creek	Approximately 67,632 feet upstream of confluence with Lamarsh Creek (Approximately 962 feet upstream of W Farmington Road / Illinois Route 116)	07130003	12.8	N	A	2014
West Branch Lamarsh Creek Tributary	Peoria County Unincorporated Areas	Confluence with West Branch Lamarsh Creek	Approximately 3,468 feet upstream of confluence with West Branch Lamarsh Creek (Just downstream of W Lake Lancelot Drive)	07130003	0.7	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)	Floodway (Y/N)	Zone shown on FIRM	Date of Analysis
West Fork Kickapoo Creek	Elmwood, City of; Peoria County Unincorporated Areas	Confluence with Kickapoo Creek	Approximately 80,930 feet upstream of confluence with Kickapoo Creek (At Peoria County and Knox County Boundary)	07130003	15.3	N	A	2014
West Fork Kickapoo Creek	Peoria County Unincorporated Areas	At Peoria County and Knox County Boundary (Approximately 964 feet downstream of W Korth Road in Peoria County)	Approximately 17,827 feet upstream of Peoria County and Knox County Boundary (Approximately 522 feet downstream of W Farmington Road / Illinois Route 116)	07130003	3.4	N	A	2014
West Fork Kickapoo Creek Tributary A	Peoria County Unincorporated Areas	Confluence with West Fork Kickapoo Creek	Approximately 9,675 feet upstream of confluence with West Fork Kickapoo Creek (Approximately 1,808 feet upstream of W Graham Chapel Road)	07130003	1.8	N	A	2014
West Fork Kickapoo Creek Tributary B	Peoria County Unincorporated Areas	Confluence with West Fork Kickapoo Creek	Approximately 26,089 feet upstream of confluence with West Fork Kickapoo Creek (Approximately 678 feet upstream of W Korth Road)	07130003	4.9	N	A	2014
West Fork Kickapoo Creek Tributary C	Peoria County Unincorporated Areas	Confluence with West Fork Kickapoo Creek	Approximately 7,183 feet upstream of confluence with West Fork Kickapoo Creek (Approximately 3,798 feet upstream of Interstate 74)	07130003	1.4	N	A	2020
West Fork Kickapoo Creek Tributary D	Peoria County Unincorporated Areas	Confluence with West Fork Kickapoo Creek	Approximately 8,168 feet upstream of confluence with West Fork Kickapoo Creek (Approximately 6,943 feet upstream of W Oak Hill Cemetery Road)	07130003	1.5	N	A	2020

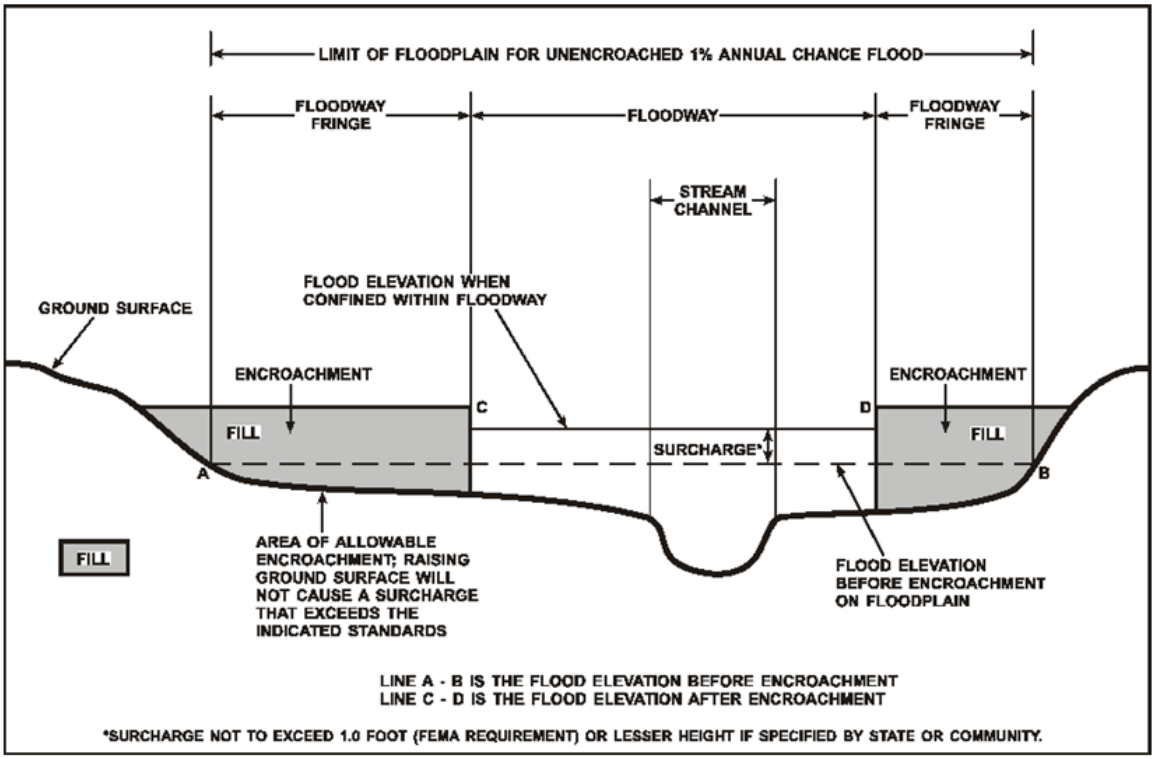
2.2 Floodways

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-percent-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-percent-annual-chance flood. The floodway fringe is the area between the floodway and the 1-percent-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-percent-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. Regulations for Illinois require communities in Peoria County to limit increases caused by encroachment to 0.1 foot, no more than a 10 percent reduction in floodplain volume, and no more than a 10 percent increase in average velocity. 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



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 23, “Floodway Data.”

All floodways that were developed for this Flood Risk Project are shown on the FIRM using the symbology described in Figure 3. In cases where the floodway and 1-percent-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 BFE is the elevation of the 1-percent-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. 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. For example, the user may use the FIRM to determine the stream station of a location of interest and then use the profile to determine the 1-percent annual chance elevation at that location. Because only selected cross sections may be shown on the FIRM for riverine areas, the profile should be used to obtain the flood elevation between mapped cross sections. Additionally, for riverine areas, whole-foot elevations shown on the FIRM may not exactly reflect the elevations derived from the hydraulic analyses; therefore, elevations obtained from the profile may more accurately reflect the results of the hydraulic analysis.

2.4 Non-Encroachment Zones

This section is not applicable to this Flood Risk Project.

2.5 Coastal Flood Hazard Areas

This section is not applicable to this Flood Risk Project.

2.5.1 Water Elevations and the Effects of Waves

This section is not applicable to this Flood Risk 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 Flood Risk 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]

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-percent-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-percent-annual-chance floodplain boundary corresponds to the boundary of areas of additional flood hazards.

Table 3 lists the flood zones in Peoria County.

Table 3: Flood Zone Designations by Community

Community	Flood Zone(s)
Bartonville, Village of	A, AE, X
Bellevue, Village of	A, AE, X
Brimfield, Village of	X
Chillicothe, City of	A, AE, X
Dunlap, Village of	A, X
Elmwood, City of	A, X
Farmington, City of	X
Glasford, Village of	A, X
Hanna City, Village of	X
Kingston Mines, Village of	AE, X
Mapleton, Village of	A, AE, X
Norwood, Village of	A, X
Pekin, City of	AE, X
Peoria County Unincorporated Areas	A, AE, X
Peoria Heights, Village of	AE, X
Peoria, City of	A, AE, X
Princeville, Village of	A, X
West Peoria, City of	AE, X

SECTION 4.0 – AREA STUDIED

4.1 Basin Description

Table 4 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 4: Basin Characteristics

HUC-8 Sub-Basin Name	HUC-8 Sub-Basin Number	Primary Flooding Source	Description of Affected Area	Drainage Area (square miles)
Lower Illinois-Lake Chautauqua	07130003	Illinois River	Largest watershed within Peoria County, covers approximately 70% of the county with 439 square miles	1,520
Lower Illinois-Senachwine Lake	07130001	Illinois River	Located in the northeastern portion of the county, covers approximately 14% of Peoria County with 92 square miles	1,950
Spoon	07130005	Spoon River	Located in the north and western portion of the county, covers approximately 16% of the Peoria County with 100 square miles	1,860

4.2 Principal Flood Problems

Table 5 contains a description of the principal flood problems that have been noted for Peoria County by flooding source.

Table 5: Principal Flood Problems

Flooding Source	Description of Flood Problems
Dry Run Creek	Dry Run Creek is a source of flooding in Peoria County. In 2019, historic rainfall caused over half of a low-flow dam on the creek to disintegrate and wash away. The channel bottom dropped 3 feet, leading to multiple creek bank failures upstream and downstream of the dam. Continuing failure threatens Swords Road bridge, a potable water pump station, and waste transportation facilities and infrastructure along Dry Run Creek. (Peoria County 2023) Residential subdivisions located along Dry Run Creek are impacted by stormwater runoff, storm sewer backups, and sheet flooding from the creek. (Peoria County 2017)

Table 5: Principal Flood Problems (continued)

Flooding Source	Description of Flood Problems
Illinois River	Floods on the Illinois River were reported in Peoria County as early as 1832. Since 1900, flow has included waters diverted from Lake Michigan through the Chicago Sanitary and Ship Canal. (FEMA 1982) The Illinois River has flooded numerous times in the past three decades with extensive damage occurring to homes, industries, and businesses in the floodplain of the river. In April 2013, a slow-moving storm dumped up to 6 inches of rainfall over Peoria County. The Illinois River reached a river crest of 29.35 feet, its highest to date. Over 300 properties were inundated along the river, causing over $2.5 million in damages. (Peoria County 2017)
Kickapoo Creek	Kickapoo Creek is one of seven major streams feeding the Illinois River, passing through urbanized areas and farmland in Peoria County. Large floods on Kickapoo Creek are mentioned in local newspapers as early as 1904. Flooding is frequently caused by local heavy rainstorms or by spring snowmelt, often accompanied by prolonged rainfall. (FEMA 1982) In April 2013, a farm levee along Kickapoo Creek breached, causing the evacuation of 20 families. Following the breach, Peoria County acquired funding to demolish 20 substantially flood-damaged structures along the creek. (Peoria County 2017) The April 2013 rain event also caused damages to homes and small businesses in Bartonville. (Peoria Journal Star 2013)
Spoon River	The flooding of Spoon River in Peoria County is caused primarily by spring snowmelt, which is sometimes accompanied by heavy rainfall or by extended periods of rain in early summer. (FEMA 1982) The largest magnitude flood on record at the London Mills, Illinois gage occurred in 1974. The second highest historical crest occurred in April 2013, when the Spoon River rose nearly 18 feet in 24 hours. (Peoria Journal Star 2013)

Table 6 contains information about historic flood elevations in the communities within Peoria County.

Table 6: Historic Flooding Elevations

Flooding Source	Location	Historic Peak (Feet NAVD88)	Event Date	Approximate Recurrence Interval (years)	Source of Data
Illinois River	1,730 feet downstream of Interstate 474	456.23	4/23/2013	94	NOAA Gage PRAI2
Illinois River	7,000 feet upstream of Interstate 74	457.48	4/23/2013	94	NOAA Gage PIAI2
Illinois River	At Kingston Mines	453.44	4/24/2013	83	USGS Gage 05568500
Kickapoo Creek	Just downstream of Illinois Route 116	477.78	6/22/1974	83	USGS Gage 05563500
Kickapoo Creek	Just downstream of US Highway 150	532.64	7/27/1967	78	USGS Gage 05563000

4.3 Dams and Other Flood Hazard Reduction Measures

Table 7 contains information about non-levee flood hazard reduction measures within Peoria County such as dams or jetties. Levee systems are addressed in Section 4.4 of this FIS Report.

Table 7: Dams and Other Flood Hazard Reduction Measures

Flooding Source	Structure Name	Type of Measure	Location	Description of Measure
Illinois River	Peoria Lock and Dam	Dam	Approximately 0.2 miles downstream of Interstate 474 / Shade Lohman Bridge	Owned and maintained by USACE - Rock Island District. Construction completed in 1939.

4.4 Levee Systems

For purposes of the NFIP, FEMA only recognizes levee systems that meet, and continue to meet, minimum design, operation, and maintenance standards that are consistent with comprehensive floodplain management criteria. The Code of Federal Regulations, Title 44, Section 65.10 (44 CFR 65.10) describes the information needed for FEMA to determine if a levee system reduces the flood hazard from the 1-percent-annual-chance flood. This information must be supplied to FEMA by the community or other party when a flood risk study or restudy is conducted, when FIRMs are revised, or upon FEMA request. FEMA reviews the information for the purpose of establishing the appropriate flood hazard zone.

Levee systems that are determined to reduce the hazard from the 1-percent-annual-chance flood are accredited by FEMA. FEMA can also grant provisional accreditation to a levee system that was previously accredited on an effective FIRM and for which FEMA is awaiting data and/or documentation to demonstrate compliance with 44 CFR 65.10. These levee systems are referred to as Provisionally Accredited Levees, or PALs. Provisional accreditation provides communities and levee owners with a specified timeframe to obtain the necessary data to confirm the levee system's accreditation status. Accredited levee systems and PALs are shown on the FIRM using the symbology shown in Figure 3. If the required information for a PAL is not submitted within the required timeframe, or if information indicates that a levee system no longer meets 44 CFR 65.10, FEMA will consider the levee system as non-accredited and issue an effective FIRM showing the levee-impacted area as a SFHA or Zone D.

FEMA coordinated with the USACE, the local communities, and other organizations to compile a list of levee systems that exist within Peoria County. Table 8, "Levee Systems," lists all accredited levee systems, PALs, and non-accredited levee systems shown on the FIRM for this FIS Report. Other categories of levees may also be included in the table. The Levee ID shown in this table may not match numbers based on other identification systems that were listed in previous FIS Reports. Levee systems identified in the table are displayed on the FIRM with notes to users to indicate their flood hazard mapping status.

Please note that the information presented in Table 8 is subject to change at any time. For that reason, the latest information regarding the levee systems presented in the table may

be obtained by accessing the National Levee Database. For additional information, contact the levee owner/sponsor or the local community shown in Table 30.

Table 8: Levee Systems

Community	Flooding Source(s)	NLD Levee System ID	NLD Levee System Name	Levee System Status on Effective FIRM	FIRM Panel(s)	Levee Owner(s) / Sponsor(s)
Bartonville, Village of	Illinois River	1505000196	Keystone Steel	Non-Accredited	17143C0319D	Keystone Steel and Wire
Bartonville, Village of; Peoria County Unincorporated Areas	Illinois River	1505000018	Keystone Steel 2	Non-Accredited	17143C0319D	Keystone Steel and Wire
Kingston Mines, Village of	Illinois River	1505000085	Banner Special Levee - Segment #6	Non-Accredited	17143C0391D 17143C0392D	Banner Special Drainage and Levee District
Kingston Mines, Village of; Peoria County Unincorporated Areas	Illinois River	5105500002	Banner Special D&LD	Non-Accredited	17143C0391D 17143C0392D	Banner Special Drainage and Levee District
Mapleton, Village of; Peoria County Unincorporated Areas	Illinois River	1505000781	Evonik Mapleton Plant Site Levee	Non-Accredited	17143C0403D 17143C0411D	Evonik Goldschmidt Corp
Mapleton, Village of; Peoria County Unincorporated Areas	Illinois River	1505000760	Lonza	Non-Accredited	17143C0403D 17143C0411D	Lonza Chemical
Pekin, City of; Peoria County Unincorporated Areas	Illinois River	5105840001	Pekin and LaMarsh D&LD	Non-Accredited	17143C0404D 17143C0406D 17143C0408D 17143C0409D 17143C0412D 17143C0416D	Pekin and Lamarsh Drainage and Levee District
Peoria County Unincorporated Areas	Illinois River	N/A	Abandoned Plant Site Levee	Non-Accredited	17143C0403D 17143C0411D	Unknown
Peoria County Unincorporated Areas	Illinois River	5105500001	Banner Marsh State Fish and Wildlife Area	Non-Accredited	17143C0390D 17143C0391D	Illinois Department of Natural Resources
Peoria, City of	Illinois River	5105590310	Greater Peoria Sanitary District	Non-Accredited	17143C0336D	Greater Peoria Sanitary District
Peoria, City of	Illinois River	1505000825	Komatsu Levee	Accredited	17143C0329D 17143C0333D	Komatsu America Corp

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. These events, commonly termed the 10-, 25-, 50-, 100-, and 500-year floods, have a 10-, 4-, 2-, 1-, and 0.2-percent-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.

In addition to these flood events, the “1-percent-plus”, or “1%+”, annual chance flood elevation has been modeled and included on the flood profile for certain flooding sources in this FIS Report. While not used for regulatory or insurance purposes, this flood event has been calculated to help illustrate the variability range that exists between the regulatory 1-percent-annual-chance flood elevation and a 1-percent-annual-chance elevation that has taken into account an additional amount of uncertainty in the flood discharges (thus, the 1% “plus”). For flooding sources whose discharges were estimated using regression equations, the 1%+ flood elevations are derived by taking the 1-percent-annual-chance flood discharges and increasing the modeled discharges by a percentage equal to the average predictive error for the regression equation. For flooding sources with gage- or rainfall-runoff-based discharge estimates, the upper 84-percent confidence limit of the discharges is used to compute the 1%+ flood elevations.

The engineering analyses described here incorporate the results of previously issued Letters of Map Change (LOMCs) listed in Table 26, “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 12. Greater detail (including assumptions, analysis, and results) is available in the archived project documentation.

A summary of the discharges is provided in Table 9. A summary of stillwater elevations developed for non-coastal flooding sources is provided in Table 10. Stream gage information is provided in Table 11.

Table 9: 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
Big Hollow Creek	Approximately 2,300 feet downstream of N Big Hollow Road	5.5	2,153	2,964	3,625	4,251	5,634
Big Hollow Creek	Just upstream of W War Memorial Drive	3.7	1,595	2,195	2,670	3,132	4,155
Big Hollow Creek	Just upstream of N University Street	1.5	674	925	1,125	1,317	1,736
Big Hollow Creek Tributary A	At confluence with Big Hollow Creek	1.3	682	956	1,180	1,396	1,872
Big Hollow Creek Tributary A	Just upstream of Parkwood Drive	0.4	225	309	376	440	580
Boyds Hollow Creek	At confluence with Illinois River	1.4	423	655	853	1,052	1,508
Boyds Hollow Creek	Approximately 3,600 feet upstream of N Galena Road / Illinois Route 29	1.1	370	566	732	898	1,279
Dry Run Creek	At confluence with Kickapoo Creek	12.1	4,267	5,778	7,019	8,136	10,646
Dry Run Creek	Just upstream of confluence with East Branch Dry Run Creek	5.1	1,940	2,700	3,307	3,919	5,226
Dry Run Creek	Just upstream of confluence with Dry Run Creek C	2.0	776	1,084	1,335	1,587	2,112
Dry Run Creek	Approximately 4,000 feet upstream of W Glen Avenue	0.5	179	257	321	385	525
Dry Run Creek Tributary A	At confluence with East Branch Dry Run Creek	0.7	279	391	479	566	750
Dry Run Creek Tributary A	Just upstream of W McClure Avenue	0.4	154	214	262	310	413
Dry Run Creek Tributary C	At confluence with Dry Run Creek	1.1	566	779	955	1,128	1,498

Table 9: 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
Dry Run Creek Tributary C	Just upstream of N Sheridan Road	0.6	124	181	228	275	378
East Branch Copperas Creek Tributary F	Just downstream of confluence with Kickapoo Creek Tributary F2	0.4	*	*	549	652	*
East Branch Dry Run Creek	At confluence with Dry Run Creek	5.9	2,116	2,900	3,533	4,148	5,473
East Branch Dry Run Creek	Just upstream of Dry Run Creek A	4.7	1,673	2,304	2,812	3,306	4,380
East Branch Dry Run Creek	Just upstream of confluence with East Branch Dry Run Creek Tributary A	2.0	761	1,066	1,312	1,556	2,086
East Branch Dry Run Creek	Just upstream of E Lake Avenue	0.9	364	515	637	758	1,022
East Branch Dry Run Creek	Just upstream of E Cherry Ridge Road	0.1	50	68	82	96	126
East Branch Dry Run Creek Tributary A	Just upstream of West Forrest Hill	0.5	*	*	*	504	*
East Branch Dry Run Creek Tributary A	Just downstream of Merle Lane	0.3	*	*	*	339	*
Fargo Run	At confluence with Kickapoo Creek	14.1	3,427	4,795	6,032	7,101	9,729
Fargo Run	Approximately 4,300 feet upstream of N Voorhees Road	12.1	3,132	4,391	5,430	6,461	8,755
Fargo Run	Just upstream of confluence with Fargo Run Tributary A	9.0	2,614	3,653	4,498	5,330	7,225
Fargo Run	Just upstream of confluence with Fargo Run Tributary B	7.6	2,250	3,148	3,874	4,590	6,210

* Not calculated in this FIS report

Table 9: 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
Fargo Run	Just upstream of N Trigger Road	5.9	1,875	2,626	3,217	3,811	5,129
Fargo Run	Just upstream of confluence with Fargo Run Tributary C	2.2	721	1,007	1,236	1,465	1,979
Fargo Run Tributary A	At confluence with Fargo Run	1.1	406	560	688	813	1,079
Fargo Run Tributary A	Just upstream of confluence with Fargo Run Tributary A1	0.3	124	177	218	260	351
Fargo Run Tributary A1	At confluence with Fargo Run Tributary A	0.5	215	294	356	417	548
Fargo Run Tributary B	At confluence with Fargo Run	1.4	449	627	767	905	1,205
Illinois River	At Kingston Mines, IL Gage (RM 145.4)	15,818	72,000	83,000	90,000	98,000	114,000
Illinois River	At Peoria Lock & Dam (RM 157.7)	14,550	66,000	76,000	82,000	90,000	111,000
Kickapoo Creek	At confluence with Illinois River	307	25,275 [1]	34,741 [1]	42,427 [1]	50,617 [1]	65,588 [1]
Kickapoo Creek	Just upstream of confluence with Dry Run Creek	283	26,046 [1]	35,083 [1]	43,049 [1]	51,179 [1]	65,863 [1]
Kickapoo Creek	Just upstream of confluence with Kickapoo Creek Tributary I	259	27,199	37,652	46,443	53,858	69,894
Kickapoo Creek	Just upstream of confluence with West Fork Kickapoo Creek	123	20,950	28,810	34,341	40,072	50,593
Kickapoo Creek	At USGS gage 05563000 at U.S. Route 150	120	20,653	28,326	33,736	39,319	49,549
Kickapoo Creek	Just upstream of confluence with Jubilee Creek	83.5	14,938	20,076	23,783	27,421	34,708
Kickapoo Creek	Just upstream of confluence with Fargo Run	67.0	12,690	16,771	19,763	22,663	28,967

[1] Decrease in discharge due to flat channel slope resulting in flow attenuation

Table 9: 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
Kickapoo Creek Tributary A	At confluence with Kickapoo Creek	1.4	575	836	1,053	1,263	1,729
Kickapoo Creek Tributary A	At S Lauterback Park Road	0.7	322	468	589	708	974
Kickapoo Creek Tributary F	Just downstream of confluence with Kickapoo Creek Tributary F1	0.6	*	*	838	1,005	*
Kickapoo Creek Tributary F1	At confluence with Kickapoo Creek Tributary F	0.2	*	*	320	389	*
Kickapoo Creek Tributary F2	At confluence with Kickapoo Creek Tributary F	0.07	*	*	134	165	*
Kickapoo Creek Tributary H1	Approximately 1,800 feet downstream of Bridalwood Drive	0.2	*	*	*	287	*
Kickapoo Creek Tributary H1	Approximately 1,200 feet downstream of Bridalwood Drive	0.1	*	*	*	165	*
Kickapoo Creek Tributary M	Just upstream of intersection of N Allen Road and W Alta Road	2.0	*	*	*	1,802	*
Kickapoo Creek Tributary M	Upstream of confluence of Kickapoo Creek Tributary M	1.8	*	*	*	1,558	*
Kickapoo Creek Tributary M1	At mouth	0.3	*	*	*	244	*
North Fork Tributary Big Hollow Creek	At confluence with Big Hollow Creek	0.7	351	486	592	699	924
Poppet Hollow Creek	At confluence with Illinois River	0.8	234	370	489	608	881
Poppet Hollow Creek	Approximately 2,000 feet upstream of E Brookview Court	0.6	221	346	456	565	817

* Not calculated in this FIS report

Table 9: 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
Poppet Hollow Creek	Just downstream of East Poplet Hollow Road	0.5	178	274	358	441	632
Poppet Hollow Ditch	At divergence from Poppet Hollow Creek	N/A	16	111	206	305	485
Spoon River	At Peoria / Knox County boundary	596	17,200	*	29,800	35,800	56,700
Spoon River	Just upstream of confluence with Walnut Creek (Spoon River)	428	14,500	*	25,300	30,400	48,100
Springdale Creek	At confluence with Illinois River	1.3	539	775	972	1,160	1,554
Springdale Creek	Just upstream of E War Memorial Drive / US Route 150	0.6	287	412	515	617	847
Springdale Creek	Approximately 2,600 feet upstream of E War Memorial Drive / US Route 150	0.4	230	327	407	485	662

* Not calculated for this FIS project

N/A – Not Applicable

[1] Decrease in discharge due to flat channel slope resulting in flow attenuation

Figure 7: Frequency Discharge-Drainage Area Curves

[Not applicable to this Flood Risk Review product]

Table 10: Summary of Non-Coastal Stillwater Elevations

Flooding Source	Location	Elevations (Feet NAVD88)				
		10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Willow Lake Pond	Just south of W Willow Knolls Drive	750.8	750.9	751.1	751.3	751.7

Table 11: Stream Gage Information Used to Determine Discharges

Flooding Source	Gage Identifier	Agency that Maintains Gage	Site Name	Drainage Area (Square Miles)	Period of Record	
					From	To
Illinois River	05568500	USGS	Illinois River at Kingston Mines, IL	15,818	1/1/1941	12/31/1998
Kickapoo Creek	05563500	USGS	Kickapoo Creek at Peoria, IL	297	3/24/1943	4/30/2017
Kickapoo Creek	05563000	USGS	Kickapoo Creek near Kickapoo, IL	119	10/1/1945	4/30/2017
Spoon River	05570000	USGS	Spoon River at Seville, IL	1,636	*	*
Spoon River	05569500	USGS	Spoon River at London Mills, IL	1,072	*	*

* Data not available

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. 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 in Table 23, “Floodway Data.”

A summary of the methods used in hydraulic analyses performed for this project is provided in Table 12. Roughness coefficients are provided in Table 13. 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 12: 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					
Big Hollow Creek	Confluence with Kickapoo Creek	Approximately 13,138 feet upstream of confluence with Kickapoo Creek (Approximately 6,838 feet upstream of Interstate 74)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Big Hollow Creek	Approximately 13,138 feet upstream of confluence with Kickapoo Creek	Approximately 39,948 feet upstream of confluence with Kickapoo Creek (Approximately 470 feet upstream of Morningside Drive)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	7/30/2021	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75
Big Hollow Creek Tributary A	Confluence with Big Hollow Creek	Approximately 2,316 feet upstream of confluence with Big Hollow Creek (Approximately 1,740 feet upstream of W Charter Oak Road)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	7/30/2021	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75
Big Hollow Creek Tributary A	Approximately 2,316 feet upstream of confluence with Big Hollow Creek	Approximately 10,556 feet upstream of confluence with Big Hollow Creek (Approximately 700 feet upstream of Willow Knolls Road / County Highway 37)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	8/23/2021	AE	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75. Stream was labeled as Unnamed Tributary to Big Hollow Creek on LOMR 12-05-6047P.
Big Hollow Creek Tributary A1	Confluence with Big Hollow Creek Tributary A	Approximately 5,645 feet upstream of confluence with Big Hollow Creek (Approximately 1,200 feet upstream of Chartwell Road)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	6/29/2020	A	HEC-RAS v. 4.1, 1D Steady Flow; HEC-HMS v. Version 3.5, ISWS Bulletin 75
Boyds Hollow Creek	Confluence with Illinois River	Approximately 10,677 feet upstream of confluence with Illinois River (Approximately 1,300 feet upstream of Boyds Hollow Road)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	1/21/2020	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75

Table 12: 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					
Clark Branch	Confluence with West Fork Kickapoo Creek	Approximately 32,391 feet upstream of confluence with West Fork Kickapoo Creek (Approximately 4,716 feet upstream of N Quarry Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Clark Branch Tributary A	Confluence with Clark Branch	Approximately 5,278 feet upstream of confluence with Clark Branch	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Clark Branch Tributary B	Confluence with Clark Branch	Approximately 24,941 feet upstream of confluence with Clark Branch (Approximately 1,973 feet downstream of W Farmington Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Clark Branch Tributary B1	Confluence with Clark Branch Tributary B	Approximately 1,307 feet upstream of confluence with Clark Branch Tributary B	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Coal Hollow	Confluence with Warsaw Run	Approximately 5,624 feet upstream of confluence with Warsaw Run	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Coon Creek	Confluence with Illinois River	Approximately 9,140 feet upstream of confluence with Illinois River (Approximately 1,597 feet upstream of Illinois Route 29)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Coon Creek North Branch	Approximately 9,140 feet upstream of confluence with Illinois River (Approximately 1,597 feet upstream of Illinois Route 29)	Approximately 14,261 feet upstream of confluence with Illinois River(Approximately 6,714 feet upstream of Illinois Route 29)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
Dickison Run	Confluence with Illinois River	Approximately 19,308 feet upstream of confluence with Illinois River (Approximately 8,259 feet upstream of E Boy Scout Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Dry Run	Confluence with Illinois River	Approximately 13,059 feet upstream of confluence with Illinois River (Approximately 9,795 feet upstream of W Wheeler Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Dry Run Creek	Confluence with Kickapoo Creek	Approximately 36,765 feet upstream of confluence with Kickapoo Creek (Just downstream of N Sheridan Road)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	7/1/2020	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75
Dry Run Creek Tributary A	Confluence with East Branch Dry Run Creek	Approximately 8,134 feet upstream of confluence with East Branch Dry Run Creek (Approximately 70 feet upstream of W Hudson Street)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	7/1/2020	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75
Dry Run Creek Tributary C	Confluence with Dry Run Creek	Approximately 11,449 feet upstream of confluence with Dry Run Creek (Approximately 550 feet upstream of W Hidden Lane)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	7/1/2020	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75. Stream was labeled as Dry Run Creek C on LOMR 12-05-6068P and 13-05-1142P.
Dry Run Tributary	Confluence with Dry Run	Approximately 1,758 feet upstream of confluence with Dry Run	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
East Branch Copperas Creek	At Peoria County and Fulton County Boundary (Approximately 10,175 feet downstream of S Trivoli Road)	Approximately 65,645 feet upstream of Peoria County and Fulton County Boundary (Just downstream of S Eden Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
East Branch Copperas Creek Tributary A	Confluence with East Branch Copperas Creek	Approximately 41,989 feet upstream of confluence with East Branch Copperas Creek (Approximately 1,737 feet upstream of W Smithville Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
East Branch Copperas Creek Tributary A1	Confluence with East Branch Copperas Creek Tributary A	Approximately 12,442 feet upstream of confluence with East Branch Copperas Creek Tributary A (Approximately 4,227 feet upstream of S Hanna City-Glasford Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
East Branch Copperas Creek Tributary B	Confluence with East Branch Copperas Creek	Approximately 14,902 feet upstream of confluence with East Branch Copperas Creek (At Peoria County and Fulton County Boundary)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
East Branch Copperas Creek Tributary B	Approximately 18,279 feet upstream of confluence with East Branch Copperas Creek (At Peoria County and Fulton County Boundary)	Approximately 51,418 feet upstream of confluence with East Branch Copperas Creek (Approximately 3,164 feet upstream of W Higgs Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
East Branch Copperas Creek Tributary B1	Confluence with East Branch Copperas Creek Tributary B	Approximately 18,240 feet upstream of confluence with East Branch Copperas Creek Tributary B (Approximately 2,742 feet upstream of S Texas Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
East Branch Copperas Creek Tributary B2	Confluence with East Branch Copperas Creek Tributary B	Approximately 4,521 feet upstream of confluence with East Branch Copperas Creek Tributary B	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
East Branch Copperas Creek Tributary C	Confluence with East Branch Copperas Creek	Approximately 12,301 feet upstream of confluence with East Branch Copperas Creek (Approximately 2,961 feet upstream of W Heuerman Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
East Branch Copperas Creek Tributary D	Confluence with East Branch Copperas Creek	Approximately 10,550 feet upstream of confluence with East Branch Copperas Creek (Approximately 1,017 feet upstream of S Texas Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
East Branch Copperas Creek Tributary E	Confluence with East Branch Copperas Creek	Approximately 8,586 feet upstream of confluence with East Branch Copperas Creek	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
East Branch Copperas Creek Tributary F	Confluence with East Branch Copperas Creek	Approximately 13,254 feet upstream of confluence with East Branch Copperas Creek (Approximately 4,709 feet upstream of W Pleasant Grove Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
East Branch Dry Run Creek	Confluence with Dry Run Creek	Approximately 24,265 feet upstream of confluence with Dry Run Creek (Approximately 70 feet upstream of E Frances Avenue)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	7/1/2020	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75
East Branch Dry Run Creek Tributary A	Confluence with East Branch Dry Run Creek	Approximately 4,861 feet upstream confluence with East Branch Dry Run Creek (Approximately 675 feet upstream of W Florence Avenue)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	8/31/2012	AE	Incorporated LOMR 12-05-6071P; HEC-HMS v.3.5; ISWS Bulletin 70; HEC-RAS v.4.1. Stream was labeled as Unnamed Tributary to East Branch Dry Run Creek on LOMR 12-05-6071P.
East Branch Lamarsh Creek	Confluence with Lamarsh Creek	Approximately 60,778 feet upstream confluence with Lamarsh Creek (Approximately 893 feet upstream of W Plank Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
East Branch Lamarsh Creek Tributary A	Confluence with East Branch Lamarsh Creek	Approximately 13,328 feet upstream confluence with East Branch Lamarsh Creek (Approximately 2,578 feet upstream of S Lafayette Avenue)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
East Branch Lamarsh Creek Tributary B	Confluence with East Branch Lamarsh Creek	Approximately 15,977 feet upstream confluence with East Branch Lamarsh Creek (Approximately 1,033 feet upstream of W Pfeiffer Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural. Stream was labeled as Unnamed Tributary B on a previous flood hazard map.

Table 12: 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					
East Branch Lamarsh Creek Tributary B1	Confluence with East Branch Lamarsh Creek Tributary B	Approximately 2,707 feet upstream of confluence with East Branch Lamarsh Creek Tributary B	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
East Branch Lamarsh Creek Tributary C	Confluence with East Branch Lamarsh Creek	Approximately 6,562 feet upstream of confluence with East Branch Lamarsh Creek	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural. Stream was labeled as La Marsh Creek Tributary on a previous flood hazard map.
East Branch Lamarsh Creek Tributary C	Approximately 6,562 feet upstream of confluence with East Branch Lamarsh Creek	Approximately 11,874 feet upstream confluence with East Branch Lamarsh Creek (Just downstream of S Airport Road / County Highway 49)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	6/29/2020	A	HEC-RAS v. 4.1, 1D Steady Flow; HEC-HMS v. Version 3.5, ISWS Bulletin 75. Stream was labeled as La Marsh Creek Tributary on a previous flood hazard map.
East Branch Lamarsh Creek Tributary D	Confluence with East Branch Lamarsh Creek	Approximately 1,898 feet upstream of confluence with East Branch Lamarsh Creek	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
East Branch Lamarsh Creek Tributary E	Confluence with East Branch Lamarsh Creek	Approximately 1,416 feet upstream of confluence with East Branch Lamarsh Creek	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Fargo Run	Confluence with Kickapoo Creek	Approximately 41,967 feet upstream of confluence with Kickapoo Creek (Just downstream of Illinois Route 6)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	9/3/2019	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75

Table 12: 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					
Fargo Run Tributary A	Confluence with Fargo Run	Approximately 4,625 feet upstream of confluence with Fargo Run	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	9/3/2019	AE	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75
Fargo Run Tributary A1	Confluence with Fargo Run Tributary A	Approximately 1,718 feet upstream of confluence with Fargo Run Tributary A	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	9/3/2019	AE	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75
Fargo Run Tributary B	Confluence with Fargo Run	Approximately 2,649 feet upstream of confluence with Fargo Run (Approximately 450 feet upstream of W Challacombe Road)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	9/3/2019	AE	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75
Fargo Run Tributary C	Confluence with Fargo Run	Approximately 11,830 feet upstream of confluence with Fargo Run (Approximately 1,780 feet upstream of N Brauer Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
French Creek	At Peoria County and Knox County Boundary (Approximately 7,705 feet downstream of N Elmore Road / County Highway 15)	Approximately 36,547 feet upstream of Peoria County and Knox County Boundary (Just downstream of N Brimfield Road / County Highway 23)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Hallock Creek	Confluence with Senachwine Creek	Approximately 27,500 feet upstream of confluence with Senachwine Creek (Approximately 5,944 feet upstream of E Hallock Hollow Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
Hallock Creek Tributary	Confluence with Hallock Creek	Approximately 19,598 feet upstream of confluence with Hallock Creek (Approximately 13,747 feet upstream of N Old Galena Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Henry Creek	Confluence with Senachwine Creek	Approximately 33,537 feet upstream of confluence with Senachwine Creek (Approximately 807 feet upstream of E Streitmatter Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Henry Creek Tributary A	Confluence with Henry Creek	Approximately 24,134 feet upstream of confluence with Henry Creek (Approximately 22,929 feet upstream of E Santa Fe Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Henry Creek Tributary B	Confluence with Henry Creek	Approximately 9,455 feet upstream of confluence with Henry Creek	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Hickory Run	Confluence with Kickapoo Creek	Approximately 47,612 feet upstream of confluence with Kickapoo Creek (Approximately 9,140 feet upstream of W Parks School Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Hickory Run Tributary A	Confluence with Hickory Run	Approximately 4,441 feet upstream of confluence with Hickory Run	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Hickory Run Tributary B	Confluence with Hickory Run	Approximately 17,970 feet upstream of confluence with Hickory Run (Approximately 5,230 feet upstream of W Parks School Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
Hinkle Branch	At Peoria County and Fulton County Boundary (Approximately 6,559 feet downstream of S Trivoli Road)	Approximately 18,594 feet upstream of Peoria County and Fulton County Boundary (Approximately 4,900 feet upstream of S Coats Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Hinkle Branch Tributary	Confluence with Hinkle Branch	Approximately 6,964 feet upstream of confluence with Hinkle Branch (Approximately 1,641 feet upstream of W Devils Washboard Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Illinois River	Approximately 139.6 miles upstream of confluence with Mississippi River (At Peoria County and Fulton County Boundary / Approximately 13.3 miles downstream of Illinois Route 9)	Approximately 185.1 miles upstream of confluence with Mississippi River (At Peoria County and Marshall County Boundary / Approximately 19.3 miles upstream of U.S. Route 150 / E War Memorial Drive)	OTHER	UNET 4.0 (April 2001)	9/30/2005	AE w/ Floodway	U.S. Army Corps of Engineers Upper Mississippi River System Flow Frequency Study (UMRSFFS) 2004; UNET 4.0; Bulletin No. 17
Johnson Run	Confluence with Kickapoo Creek	Approximately 31,979 feet upstream of confluence with Kickapoo Creek (Approximately 3,669 feet upstream of N McAllister Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Johnson Run Tributary	Confluence with Johnson Run	Approximately 8,470 feet upstream of confluence with Johnson Run	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
Jubilee Creek	Confluence with Kickapoo Creek	Approximately 59,415 feet upstream of confluence with Kickapoo Creek (Approximately 10,478 feet upstream of W Parks School Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Jubilee Creek Tributary A	Confluence with Jubilee Creek	Approximately 5,762 feet upstream of confluence with Jubilee Creek	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Jubilee Creek Tributary B	Confluence with Jubilee Creek	Approximately 26,679 feet upstream of confluence with Jubilee Creek (Approximately 5,780 feet upstream of W Brimfield-Jubilee Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Jubilee Creek Tributary C	Confluence with Jubilee Creek	Approximately 34,848 feet upstream of confluence with Jubilee Creek (Approximately 7,790 feet upstream of W Parks School Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Jubilee Creek Tributary D	Confluence with Jubilee Creek	Approximately 15,445 feet upstream of confluence with Jubilee Creek (Approximately 7,891 feet upstream of W Parks School Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Jubilee Creek Tributary E	Confluence with Jubilee Creek	Approximately 6,053 feet upstream of confluence with Jubilee Creek (Approximately 3,295 feet upstream of N Elliott Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek	Confluence with Illinois River	Approximately 135,576 feet above confluence with Illinois River (Approximately 290 feet upstream of W Grange Hall Road)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	10/21/2020	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. Version 3.5, ISWS Bulletin 75

Table 12: 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					
Kickapoo Creek	Approximately 135,576 feet above confluence with Illinois River (Approximately 290 feet upstream of W Grange Hall Road)	Approximately 237,338 feet above confluence with Illinois River (Just downstream of W Oertley Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Overflow	Approximately 9,600 feet upstream of the confluence with the Illinois River	Approximately 11,300 feet upstream of the confluence with the Illinois River	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	2/10/2021	A	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75
Kickapoo Creek Tributary A	Confluence with Kickapoo Creek	Approximately 5,599 feet upstream of the confluence with Kickapoo Creek (Approximately 65 feet downstream of W Smithville Road)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	10/21/2020	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. Version 3.5, ISWS Bulletin 75. Stream was labeled as Unnamed Tributary to Kickapoo Creek on a previous flood hazard map.
Kickapoo Creek Tributary A	Approximately 5,599 feet upstream of the confluence with Kickapoo Creek (Approximately 65 feet downstream of W Smithville Road)	Approximately 9,637 feet upstream of confluence with Kickapoo Creek (Approximately 3,950 feet upstream of W Smithville Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural. Stream was labeled as Unnamed Tributary to Kickapoo Creek on a previous flood hazard map.
Kickapoo Creek Tributary A1	Confluence with Kickapoo Creek Tributary A	Approximately 3,255 feet upstream of confluence with Kickapoo Creek Tributary A	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
Kickapoo Creek Tributary B	Confluence with Kickapoo Creek	Approximately 3,671 feet upstream of confluence with Kickapoo Creek (Approximately 2,700 feet upstream of S Kickapoo Creek Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary C	Confluence with Kickapoo Creek	Approximately 8,202 feet upstream of confluence with Kickapoo Creek (Approximately 351 feet upstream of Interstate 474)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary C1	Confluence with Kickapoo Creek Tributary C	Approximately 6,898 feet upstream of confluence with Kickapoo Creek Tributary C (Approximately 1,163 feet upstream of Interstate 474)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary D	Confluence with Kickapoo Creek	Approximately 8,585 feet upstream of confluence with Kickapoo Creek (Approximately 280 feet upstream of N Stone Bridge Drive)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary E	Confluence with Kickapoo Creek	Approximately 4,407 feet upstream of confluence with Kickapoo Creek (Approximately 3.507 feet upstream of W Southport Road / Illinois Route 8)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary F	Confluence with Kickapoo Creek	Approximately 10,062 feet upstream of confluence with Kickapoo Creek (Approximately 833 feet upstream of Illinois Route 6)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
Kickapoo Creek Tributary F	Approximately 10,062 feet upstream of the confluence with Kickapoo Creek (Approximately 833 feet upstream of Illinois Route 6)	Approximately 12,960 feet upstream of confluence with Kickapoo Creek (Approximately 162 feet downstream of W Charter Oak Road)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	9/14/2015	AE	Incorporated LOMR 15-05-2741P; HEC-RAS v. 4.1; HEC-HMS v. 3.5, Bulletin 70
Kickapoo Creek Tributary F	Approximately 12,960 feet upstream of the confluence with Kickapoo Creek (Approximately 162 feet downstream of W Charter Oak Road)	Approximately 18,706 feet upstream of confluence with Kickapoo Creek (Approximately 1,706 feet upstream of W Courtland Street)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary F1	Confluence with Kickapoo Creek Tributary F	Approximately 1,310 feet upstream of confluence with Kickapoo Creek Tributary F	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	9/14/2015	AE	Incorporated LOMR 15-05-2741P; HEC-RAS v. 4.1; HEC-HMS v. 3.5, Bulletin 70
Kickapoo Creek Tributary F2	Confluence with Kickapoo Creek Tributary F	Approximately 442 feet upstream of confluence with Kickapoo Creek Tributary F	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	9/14/2015	AE	Incorporated LOMR 15-05-2741P; HEC-RAS v. 4.1; HEC-HMS v. 3.5, Bulletin 70
Kickapoo Creek Tributary G	Confluence with Kickapoo Creek	Approximately 18,904 feet upstream of confluence with Kickapoo Creek (Approximately 185 feet downstream of W Farmington Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary H	Confluence with Kickapoo Creek	Approximately 17,879 feet upstream of confluence with Kickapoo Creek (Approximately 3,319 feet upstream of N Koerner Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
Kickapoo Creek Tributary H	Approximately 17,879 feet upstream of the confluence with Kickapoo Creek (Approximately 3,319 feet upstream of N Koerner Road)	Approximately 21,925 feet upstream of confluence with Kickapoo Creek (Approximately 795 feet upstream of W Ironwood Drive)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	6/29/2020	A	HEC-RAS v. 4.1, 1D Steady Flow; HEC-HMS v. Version 3.5, ISWS Bulletin 75. Stream was labeled as Unnamed Tributary to Kickapoo Creek on LOMR 05-05-A234P.
Kickapoo Creek Tributary H1	Confluence with Kickapoo Creek Tributary H	Approximately 2,751 feet upstream of confluence with Kickapoo Creek Tributary H (Approximately 1,229 feet downstream of N Orange Prairie Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary H1	Approximately 2,751 feet upstream of the confluence with Kickapoo Creek Tributary H (Approximately 1,229 feet downstream of N Orange Prairie Road)	Approximately 7,795 feet upstream of confluence with Kickapoo Creek Tributary H (Approximately 2,170 feet upstream of Illinois Route 6)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	6/29/2020	A	HEC-RAS v. 4.1, 1D Steady Flow; HEC-HMS v. Version 3.5, ISWS Bulletin 75
Kickapoo Creek Tributary H1	Approximately 7,795 feet upstream of the confluence with Kickapoo Creek Tributary H (Approximately 2,170 feet upstream of Illinois Route 6)	Approximately 9,333 feet upstream of confluence with Kickapoo Creek Tributary H (Approximately 3,706 feet upstream of Illinois Route 6)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	7/19/2018	AE	Incorporated LOMR 18-05-3106P; HEC-RAS v. 5.03; HEC-HMS v. 4.2.1, Bulletin 70; stream was labeled as Unnamed Tributary to Kickapoo Creek on LOMR 18-05-3106P.

Table 12: 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					
Kickapoo Creek Tributary H2	Confluence with Kickapoo Creek Tributary H	Approximately 3,756 feet upstream of confluence with Kickapoo Creek Tributary H (Approximately 857 feet downstream of Orange Prairie Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary H2	Approximately 3,756 feet upstream of the confluence with Kickapoo Creek Tributary H (Approximately 857 feet downstream of Orange Prairie Road)	Approximately 9,000 feet upstream of confluence with Kickapoo Creek Tributary H (Just downstream of W War Memorial Drive / U.S. Route 150)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	6/29/2020	A	HEC-RAS v. 4.1, 1D Steady Flow; HEC-HMS v. Version 3.5, ISWS Bulletin 75
Kickapoo Creek Tributary I	Confluence with Kickapoo Creek	Approximately 19,250 feet upstream of confluence with Kickapoo Creek (Approximately 1,455 feet upstream of N Christ Church Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary J	Confluence with Kickapoo Creek	Approximately 14,572 feet upstream of confluence with Kickapoo Creek	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary J1	Confluence with Kickapoo Creek Tributary J	Approximately 4,152 feet upstream of confluence with Kickapoo Creek Tributary J	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary K	Confluence with Kickapoo Creek	Approximately 18,276 feet upstream of confluence with Kickapoo Creek (Just downstream of U.S. Highway 150)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary K1	Confluence with Kickapoo Creek Tributary K	Approximately 2,050 feet upstream of confluence with Kickapoo Creek Tributary K	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
Kickapoo Creek Tributary L	Confluence with Kickapoo Creek	Approximately 9,167 feet upstream of confluence with Kickapoo Creek	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary M	Confluence with Kickapoo Creek	Approximately 19,960 feet upstream of confluence with Kickapoo Creek (Approximately 70 feet downstream of intersection of N Allen Rd and W Alta Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural. Stream was labeled as Unnamed Branch of Kickapoo Creek on LOMR 07-05-4651P.
Kickapoo Creek Tributary M	Approximately 70 feet downstream of intersection of N Allen Rd and W Alta Road	Approximately 2,455 feet upstream of intersection of N Allen Rd and W Alta Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	2/28/2007	AE	Incorporated LOMR 06-05-BA71P; HEC-RAS v. 3.1.3; HEC-HMS, ISWS Bulletin 70. Stream was labeled as Unnamed Tributary to Kickapoo Creek on LOMR 06-05-BA71P.
Kickapoo Creek Tributary M	Approximately 2,455 feet upstream of intersection of N Allen Rd and W Alta Road	Approximately 4,540 feet upstream of intersection of N Allen Rd and W Alta Road	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	9/26/2014	AE	Incorporated LOMR 14-05-7931P; HEC-RAS v. 4.1; HEC-HMS, ISWS Bulletin 70. Stream was labeled as Unnamed Tributary to Kickapoo Creek on LOMR 14-05-7931P.
Kickapoo Creek Tributary M	Approximately 24,621 feet upstream of confluence with Kickapoo Creek	Approximately 25,080 feet upstream of confluence with Kickapoo Creek	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
Kickapoo Creek Tributary M1	Confluence with Kickapoo Creek Tributary M	Approximately 740 feet upstream of confluence with Kickapoo Creek Tributary M (Approximately 141 feet upstream of N Brookshire Drive)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	2/28/2007	AE	Incorporated LOMR 06-05-BA71P; HEC-RAS v. 3.1.3; HEC-HMS, ISWS Bulletin 70. Stream was labeled as Unnamed Tributary to Unnamed Tributary to Kickapoo Creek on LOMR 06-05-BA71P.
Kickapoo Creek Tributary M2	Confluence with Kickapoo Creek Tributary M	Approximately 5,766 feet upstream of confluence with Kickapoo Creek Tributary M (Just downstream of W Fox Road)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	6/29/2020	A	HEC-RAS v. 4.1, 1D Steady Flow; HEC-HMS v. Version 3.5, ISWS Bulletin 75
Kickapoo Creek Tributary M2a	Confluence with Kickapoo Creek Tributary M2	Approximately 4,642 feet upstream of confluence with Kickapoo Creek Tributary M2	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	6/29/2020	A	HEC-RAS v. 4.1, 1D Steady Flow; HEC-HMS v. Version 3.5, ISWS Bulletin 75
Kickapoo Creek Tributary N	Confluence with Kickapoo Creek	Approximately 9,578 feet upstream of confluence with Kickapoo Creek (Approximately 1,732 feet upstream of W Singing Woods Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary O	Confluence with Kickapoo Creek	Approximately 12,955 feet upstream of confluence with Kickapoo Creek (Approximately 2,641 feet upstream of N Hakes Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Kickapoo Creek Tributary P	Confluence with Kickapoo Creek	Approximately 8,920 feet upstream of confluence with Kickapoo Creek (Just downstream of W Lakeshore Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
Lamarsh Creek	Confluence with Illinois River	Approximately 11,747 feet above confluence with Illinois River (Approximately 150 feet downstream of S Cameron Lane)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Largent Creek	Confluence with West Branch Lamarsh Creek	Approximately 21,626 feet upstream of confluence with West Branch Lamarsh Creek (Approximately 9,916 feet upstream of W Smithville Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Little Lamarsh Creek	Confluence with Illinois River	Approximately 30,564 feet above confluence with Illinois River (Approximately 3,964 feet upstream of W Cowser Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Little Senachwine Creek	Confluence with Senachwine Creek	Approximately 12,970 feet above confluence with Senachwine Creek (At Peoria County and Marshall County Boundary)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Middle Branch Copperas Creek	At Peoria County and Fulton County Boundary (Approximately 5,270 feet downstream of W Linn Road)	Approximately 5,354 feet upstream of Peoria County and Fulton County Boundary (Approximately 85 feet upstream of W Linn Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Middle Branch Copperas Creek Tributary A	At Peoria County and Fulton County Boundary (Just upstream of W Orion Road)	Approximately 9,113 feet upstream of Peoria County and Fulton County Boundary (Approximately 1,153 feet upstream of W Concord Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
Middle Branch Copperas Creek Tributary B	At Peoria County and Fulton County Boundary (Approximately 10,449 feet downstream of W Smithville Road)	Approximately 18,260 feet upstream of Peoria County and Fulton County Boundary (Approximately 3,140 feet upstream of S Cramer Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Moon Hollow Creek	Confluence with Illinois River	Approximately 9,405 feet above confluence with Illinois River (Approximately 3,385 feet upstream of Illinois Route 6)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Nixon Run	Confluence with Kickapoo Creek	Approximately 52,218 feet upstream of confluence with Kickapoo Creek (Approximately 4,598 feet upstream of W Sommerfield Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
North Creek	Confluence with Prince Run	Approximately 12,974 feet upstream of confluence with Prince Run (Approximately 2,714 feet upstream of E Woertz Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
North Fork Tributary Big Hollow Creek	Confluence with Big Hollow Creek	Approximately 5,863 feet upstream of confluence with Big Hollow Creek (Approximately 3,160 feet upstream of W Willow Knolls Drive)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	7/30/2021	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75
Pond Lily Lake Tributary A	Confluence with Illinois River	Approximately 6,120 feet above confluence with Illinois River (Approximately 270 feet upstream of W First Street)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	6/29/2020	A	HEC-RAS v. 4.1, 1D Steady Flow; HEC-HMS v. Version 3.5, ISWS Bulletin 75

Table 12: 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					
Poppet Hollow Creek	Confluence with Illinois River	Approximately 9,053 feet above confluence with Illinois River (Approximately 1,120 feet upstream of Poplet Hollow Road)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	6/25/2020	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75
Poppet Hollow Ditch	Confluence with Illinois River	Approximately 3,440 upstream of confluence with Illinois River / Divergence from Poppet Hollow Creek	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	6/25/2020	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75
Prince Run	At Peoria County and Stark County Boundary (Approximately 7,470 feet downstream of W Streitmatter Road in Peoria County)	Approximately 29,295 feet upstream of Peoria County and Stark County Boundary (Approximately 2,240 feet upstream of N Princeville-Jubilee Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Senachwine Creek	Confluence with Illinois River	Approximately 53,186 feet above confluence with Illinois River (At Peoria County and Marshall County Boundary)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Senachwine Creek Tributary	Confluence with Senachwine Creek	Approximately 18,134 feet upstream of confluence with Senachwine Creek (Approximately 17,654 feet upstream of N Hampton Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
Spoon River	At Peoria County and Knox County Boundary (Approximately 1,750 feet downstream of Spoon River Road)	Approximately 52,800 feet upstream of Peoria County and Knox County Boundary (At Peoria County and Stark County Boundary)	OTHER	Other	5/1/1976	AE w/ Floodway	Flood flow frequency data were based on statistical analyses of stage-discharge records. Water-surface elevations were computed through use of the USACE HEC-2 step-backwater program.
Spoon River Tributary A	Confluence with Spoon River	Approximately 14,904 feet upstream of confluence with Spoon River (Just downstream of W Nightingale Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural. Stream was labeled as Unnamed Tributary on a previous flood hazard map.
Spoon River Tributary B	Confluence with Spoon River	Approximately 5,024 feet upstream of confluence with Spoon River	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Spoon River Tributary C	Confluence with Spoon River	Approximately 5,203 feet upstream of confluence with Spoon River (At Peoria County and Stark County Boundary)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Spoon River Tributary D	Confluence with Spoon River	Approximately 12,513 feet upstream of confluence with Spoon River (Approximately 1,153 feet upstream of W Lorance Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural. Stream was labeled as Unnamed Tributary on a previous flood hazard map.

Table 12: 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					
Spoon River Tributary E	Confluence with Spoon River	Approximately 19,556 feet upstream of confluence with Spoon River (Approximately 6,096 feet upstream of W Lorance Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural. Stream was labeled as Unnamed Tributary on a previous flood hazard map.
Spoon River Tributary E1	Confluence with Spoon River Tributary E	Approximately 11,425 feet upstream of confluence with Spoon River Tributary E (Approximately 7,575 feet upstream of N Maher Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural. Stream was labeled as Unnamed Tributary on a previous flood hazard map.
Spoon River Tributary F	Confluence with Spoon River	Approximately 5,147 feet upstream of confluence with Spoon River (Approximately 2,847 feet upstream of W Brooks Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Spoon River Tributary G	Confluence with Spoon River	Approximately 17,574 feet upstream of confluence with Spoon River (Approximately 1,804 feet upstream of W Mendell Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Spoon River Tributary H	At Peoria County and Stark County Boundary (Approximately 1,450 feet downstream of N Kraft Road)	Approximately 8,500 feet upstream of Peoria County and Stark County Boundary (Approximately 7,000 feet upstream of N Kraft Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural. Stream was labeled as Unnamed Tributary on a previous flood hazard map.

Table 12: 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					
Spoon River Tributary I	At Peoria County and Stark County Boundary (Approximately 3,240 feet downstream of N Duncan Road)	Approximately 18,055 feet upstream of Peoria County and Stark County Boundary (Approximately 4,710 feet upstream of N Duncan Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Springdale Creek	Confluence with Illinois River	Approximately 3,219 feet above confluence with Illinois River (Just downstream of Railroad)	OTHER	HEC-RAS 3.1.1 and up	1/18/2013	AE w/ Floodway	Incorporated LOMR 12-05-7861P; HEC-RAS v. 4.1; Regression Equations
Springdale Creek	Approximately 3,219 feet above confluence with Illinois River (Just downstream of Railroad)	Approximately 19,160 feet above confluence with Illinois River (Approximately 205 feet downstream of E Lake Avenue)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 5.0 and up	2/7/2020	AE w/ Floodway	HEC-RAS v. 5.0.7, 1D Steady Flow; HEC-HMS v. 3.5, ISWS Bulletin 75
Swab Run	At Peoria County and Knox County Boundary (Approximately 1,440 feet downstream of Interstate 74)	Approximately 19,787 feet upstream of Peoria County and Knox County Boundary (Approximately 4,252 feet upstream of N McClellan Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Swab Run Tributary A	At Peoria County and Knox County Boundary (Approximately 2,140 feet downstream of W Claybaugh Road)	Approximately 10,277 feet upstream of Peoria County and Knox County Boundary (Just downstream of W Shissler Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
Tiber Creek	At Peoria County and Fulton County Boundary (Approximately 7,312 feet downstream of W Smithville Road)	Approximately 26,326 feet upstream of Peoria County and Fulton County Boundary (Approximately 105 feet downstream of S Cramer Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Tiber Creek (Walnut)	Confluence with Walnut Creek	Approximately 31,102 feet upstream of confluence with Walnut Creek (Approximately 4,000 feet upstream of W Cahill Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Tiber Creek Tributary A	Confluence with Tiber Creek	Approximately 3,042 feet upstream of confluence with Tiber Creek (Approximately 1,412 feet upstream of W Slater Road)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	6/29/2020	A	HEC-RAS v. 4.1, 1D Steady Flow; HEC-HMS v. Version 3.5, ISWS Bulletin 75
Walnut Creek	Confluence with West Fork Kickapoo Creek	Approximately 45,222 feet upstream of confluence with West Fork Kickapoo Creek (Approximately 3,212 feet upstream of W Shissler Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Walnut Creek (Spoon)	Confluence with Spoon River	Approximately 7,670 feet upstream of confluence with Spoon River (At Peoria County and Stark County Boundary)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Warsaw Run	Confluence with Kickapoo Creek	Approximately 33,020 feet upstream of confluence with Kickapoo Creek (Just downstream of W Sommerfield Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
Warsaw Run Tributary A	Confluence with Warsaw Run	Approximately 2,799 feet upstream of confluence with Warsaw Run	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
West Branch Lamarsh Creek	Confluence with Lamarsh Creek	Approximately 67,632 feet upstream of confluence with Lamarsh Creek (Approximately 962 feet upstream of W Farmington Road / Illinois Route 116)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
West Branch Lamarsh Creek Tributary	Confluence with West Branch Lamarsh Creek	Approximately 3,468 feet upstream of confluence with West Branch Lamarsh Creek (Just downstream of W Lake Lancelot Drive)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
West Fork Kickapoo Creek	Confluence with Kickapoo Creek	Approximately 80,930 feet upstream of confluence with Kickapoo Creek (At Peoria County and Knox County Boundary)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
West Fork Kickapoo Creek	At Peoria County and Knox County Boundary (Approximately 964 feet downstream of W Korth Road in Peoria County)	Approximately 17,827 feet upstream of Peoria County and Knox County Boundary (Approximately 522 feet downstream of W Farmington Road / Illinois Route 116)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
West Fork Kickapoo Creek Tributary A	Confluence with West Fork Kickapoo Creek	Approximately 9,675 feet upstream of confluence with West Fork Kickapoo Creek (Approximately 1,808 feet upstream of W Graham Chapel Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural

Table 12: 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					
West Fork Kickapoo Creek Tributary B	Confluence with West Fork Kickapoo Creek	Approximately 26,089 feet upstream of confluence with West Fork Kickapoo Creek (Approximately 678 feet upstream of W Korth Road)	Regression Equations	HEC-RAS 3.1.1 and up	3/10/2014	A	HEC-RAS v. 4.1, 1D. Steady Flow; USGS StreamStats 2004, Rural
West Fork Kickapoo Creek Tributary C	Confluence with West Fork Kickapoo Creek	Approximately 7,183 feet upstream of confluence with West Fork Kickapoo Creek (Approximately 3,798 feet upstream of Interstate 74)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	6/29/2020	A	HEC-RAS v. 4.1, 1D Steady Flow; HEC-HMS v. Version 3.5, ISWS Bulletin 75
West Fork Kickapoo Creek Tributary D	Confluence with West Fork Kickapoo Creek	Approximately 8,168 feet upstream of confluence with West Fork Kickapoo Creek (Approximately 6,943 feet upstream of W Oak Hill Cemetery Road)	HEC-HMS 3.0 and up (Dec 2005)	HEC-RAS 3.1.1 and up	6/29/2020	A	HEC-RAS v. 4.1, 1D Steady Flow; HEC-HMS v. Version 3.5, ISWS Bulletin 75

Table 13: Roughness Coefficients

Flooding Source	Channel “n”	Overbank “n”
Big Hollow Creek	0.035-0.075	0.035-0.075
Big Hollow Creek Tributary A	0.035-0.060	0.035-0.120
Big Hollow Creek Tributary A1	0.035-0.045	0.035-0.075
Boyds Hollow Creek	0.035-0.075	0.035-0.075
Clark Branch	0.035	0.065
Clark Branch Tributary A	0.035	0.065
Clark Branch Tributary B	0.035	0.050-0.065
Clark Branch Tributary B1	0.035	0.040
Coal Hollow	0.035	0.065
Coon Creek	0.035-0.040	0.045-0.100
Coon Creek North Branch	0.035-0.040	0.045-0.100
Dickison Run	0.035	0.065
Dry Run	0.035	0.065
Dry Run Creek	0.013-0.075	0.013-0.075
Dry Run Creek Tributary A	0.013-0.075	0.013-0.075
Dry Run Creek Tributary C	0.013-0.075	0.013-0.075
Dry Run Tributary	0.035	0.065
East Branch Copperas Creek	0.035	0.045-0.065
East Branch Copperas Creek Tributary A	0.035	0.045-0.065
East Branch Copperas Creek Tributary A1	0.035	0.065
East Branch Copperas Creek Tributary B	0.035	0.065
East Branch Copperas Creek Tributary B1	0.035	0.045-0.065
East Branch Copperas Creek Tributary B2	0.035	0.065
East Branch Copperas Creek Tributary C	0.035	0.065
East Branch Copperas Creek Tributary D	0.035	0.065
East Branch Copperas Creek Tributary E	0.035	0.065
East Branch Copperas Creek Tributary F	0.035	0.045-0.065
East Branch Dry Run Creek	0.013-0.075	0.013-0.075
East Branch Dry Run Creek Tributary A	0.012-0.050	0.030-0.080
East Branch Lamarsh Creek	0.035	0.065
East Branch Lamarsh Creek Tributary A	0.035	0.065
East Branch Lamarsh Creek Tributary B	0.035	0.045-0.065
East Branch Lamarsh Creek Tributary B1	0.035	0.065
East Branch Lamarsh Creek Tributary C	0.035-0.450	0.035-0.075

Table 13: Roughness Coefficients (continued)

Flooding Source	Channel “n”	Overbank “n”
East Branch Lamarsh Creek Tributary D	0.035	0.065
East Branch Lamarsh Creek Tributary E	0.035	0.065
Fargo Run	0.025-0.045	0.035-0.080
Fargo Run Tributary A	0.035	0.035-0.075
Fargo Run Tributary A1	0.035-0.045	0.035-0.075
Fargo Run Tributary B	0.035	0.045-0.075
Fargo Run Tributary C	0.035	0.040
French Creek	0.040	0.050
Hallock Creek	0.035-0.040	0.045-0.100
Hallock Creek Tributary	0.035-0.040	0.045-0.100
Henry Creek	0.040	0.045-0.100
Henry Creek Tributary A	0.040	0.045-0.100
Henry Creek Tributary B	0.040	0.100
Hickory Run	0.035	0.065
Hickory Run Tributary A	0.035	0.065
Hickory Run Tributary B	0.035	0.065
Hinkle Branch	0.035	0.045-0.065
Hinkle Branch Tributary	0.035	0.045-0.065
Illinois River	0.023-0.025	0.025-0.150
Johnson Run	0.035	0.065
Johnson Run Tributary	0.035	0.065
Jubilee Creek	0.035	0.065
Jubilee Creek Tributary A	0.035	0.065
Jubilee Creek Tributary B	0.035	0.065
Jubilee Creek Tributary C	0.035	0.065
Jubilee Creek Tributary D	0.035	0.065
Jubilee Creek Tributary E	0.035	0.065
Kickapoo Creek	0.033-0.075	0.031-0.076
Kickapoo Creek Overflow	0.030-0.035	0.050-0.075
Kickapoo Creek Tributary A	0.035-0.045	0.035-0.075
Kickapoo Creek Tributary A1	0.035	0.065
Kickapoo Creek Tributary B	0.035	0.065
Kickapoo Creek Tributary C	0.035	0.065
Kickapoo Creek Tributary C1	0.035	0.065
Kickapoo Creek Tributary D	0.035	0.065

Table 13: Roughness Coefficients (continued)

Flooding Source	Channel “n”	Overbank “n”
Kickapoo Creek Tributary E	0.035	0.065
Kickapoo Creek Tributary F	0.035-0.065	0.065-0.085
Kickapoo Creek Tributary F1	0.065	0.085
Kickapoo Creek Tributary F2	0.065	0.085
Kickapoo Creek Tributary G	0.035	0.065
Kickapoo Creek Tributary H	0.035-0.075	0.035-0.075
Kickapoo Creek Tributary H1	0.035-0.075	0.01-0.075
Kickapoo Creek Tributary H2	0.035-0.045	0.035-0.075
Kickapoo Creek Tributary I	0.035	0.065
Kickapoo Creek Tributary J	0.035	0.065
Kickapoo Creek Tributary J1	0.035	0.065
Kickapoo Creek Tributary K	0.035	0.065
Kickapoo Creek Tributary K1	0.035	0.065
Kickapoo Creek Tributary L	0.035	0.065
Kickapoo Creek Tributary M	0.035-0.065	0.040-0.065
Kickapoo Creek Tributary M1	0.035-0.065	0.040-0.065
Kickapoo Creek Tributary M2	0.035-0.075	0.035-0.075
Kickapoo Creek Tributary M2a	0.035-0.075	0.035-0.075
Kickapoo Creek Tributary N	0.035	0.040
Kickapoo Creek Tributary O	0.035	0.040
Kickapoo Creek Tributary P	0.035	0.040
Lamarsh Creek	0.035	0.065
Largent Creek	0.035	0.065
Little Lamarsh Creek	0.035	0.065
Little Senachwine Creek	0.040	0.045-0.100
Middle Branch Copperas Creek	0.035	0.045
Middle Branch Copperas Creek Tributary A	0.035	0.065
Middle Branch Copperas Creek Tributary B	0.035	0.045-0.065
Moon Hollow Creek	0.035-0.050	0.050-0.065
Nixon Run	0.035	0.065
North Creek	0.045	0.080
North Fork Tributary Big Hollow Creek	0.035	0.035-0.075
Pond Lily Lake Tributary A	0.035-0.075	0.035-0.075
Poppet Hollow Creek	0.035-0.075	0.035-0.075
Poppet Hollow Ditch	0.060	0.060

Table 13: Roughness Coefficients (continued)

Flooding Source	Channel "n"	Overbank "n"
Prince Run	0.040-0.045	0.050-0.080
Senachwine Creek	0.040	0.045-0.100
Senachwine Creek Tributary	0.040	0.100
Spoon River	0.03-0.04	0.07-0.08
Spoon River Tributary A	0.045	0.080
Spoon River Tributary B	0.045	0.080
Spoon River Tributary C	0.045	0.080
Spoon River Tributary D	0.045	0.080
Spoon River Tributary E	0.045	0.080
Spoon River Tributary E1	0.045	0.080
Spoon River Tributary F	0.045	0.080
Spoon River Tributary G	0.045	0.080
Spoon River Tributary H	0.040	0.050
Spoon River Tributary I	0.040	0.050
Springdale Creek	0.035-0.060	0.035-0.075
Swab Run	0.040	0.050
Swab Run Tributary A	0.040	0.050
Tiber Creek	0.035	0.045-0.065
Tiber Creek (Walnut)	0.035	0.040-0.065
Tiber Creek Tributary A	0.035-0.075	0.035-0.075
Walnut Creek	0.035	0.050-0.065
Walnut Creek (Spoon)	0.035-0.045	0.05-0.08
Warsaw Run	0.035	0.065
Warsaw Run Tributary A	0.035	0.065
West Branch Lamarsh Creek	0.035	0.045-0.065
West Branch Lamarsh Creek Tributary	0.035	0.045-0.065
West Fork Kickapoo Creek	0.035	0.050-0.065
West Fork Kickapoo Creek Tributary A	0.035	0.050-0.065
West Fork Kickapoo Creek Tributary B	0.035	0.040-0.065
West Fork Kickapoo Creek Tributary C	0.035-0.045	0.035-0.075
West Fork Kickapoo Creek Tributary D	0.035-0.045	0.035-0.075

5.3 Coastal Analyses

This section is not applicable to this Flood Risk Project.

Table 14: 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 15: 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 16: 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 17: Summary of Alluvial Fan Analyses

[Not applicable to this Flood Risk Project]

Table 18: Results of Alluvial Fan Analyses

[Not applicable to this Flood Risk Project]