

# FLOOD INSURANCE STUDY

## FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 2 OF 2



## KALAMAZOO COUNTY, MICHIGAN (ALL JURISDICTIONS)

| COMMUNITY NAME                 | NUMBER | COMMUNITY NAME             | NUMBER |
|--------------------------------|--------|----------------------------|--------|
| ALAMO, TOWNSHIP OF*            | 261387 | PARCHMENT, CITY OF         | 260319 |
| AUGUSTA, VILLAGE OF            | 260312 | PAVILION, TOWNSHIP OF*     | 260907 |
| BRADY, TOWNSHIP OF             | 261388 | PORTAGE, CITY OF           | 260577 |
| CHARLESTON, TOWNSHIP OF        | 260426 | PRAIRIE RONDE, TOWNSHIP OF | 261392 |
| CLIMAX, TOWNSHIP OF            | 261389 | RICHLAND, TOWNSHIP OF      | 260885 |
| CLIMAX, VILLAGE OF*            | 261385 | RICHLAND, VILLAGE OF*      | 261015 |
| COMSTOCK, CHARTER TOWNSHIP OF  | 260427 | ROSS, TOWNSHIP OF          | 260624 |
| COOPER, CHARTER TOWNSHIP OF    | 260428 | SCHOOLCRAFT, TOWNSHIP OF   | 261394 |
| GALESBURG, CITY OF             | 260576 | SCHOOLCRAFT, VILLAGE OF*   | 261386 |
| KALAMAZOO, CHARTER TOWNSHIP OF | 260429 | TEXAS, CHARTER TOWNSHIP OF | 261395 |
| KALAMAZOO, CITY OF             | 260315 | VICKSBURG, VILLAGE OF      | 260578 |
| OSHTEMO, CHARTER TOWNSHIP OF   | 260736 | WAKESHMA, TOWNSHIP OF*     | 261396 |

\*No Special Flood Hazard Areas Identified

**REVISED:**

**JULY 31, 2024**

FLOOD INSURANCE STUDY NUMBER  
**26077CV002B**

Version Number 2.5.3.6



**FEMA**

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| Comstock Creek                   | 08-11 P      |
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| Davis Creek                      | 13 P         |
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## **Published Separately**

Flood Insurance Rate Map (FIRM)

### 6.5.5 Contracted Restudies

The NFIP provides for a periodic review and restudy of flood hazards within a given community. FEMA accomplishes this through a national watershed-based mapping needs assessment strategy, known as the Coordinated Needs Management Strategy (CNMS). The CNMS is used by FEMA to assign priorities and allocate funding for new flood hazard analyses used to update the FIS Report and FIRM. The goal of CNMS is to define the validity of the engineering study data within a mapped inventory. The CNMS is used to track the assessment process, document engineering gaps and their resolution, and aid in prioritization for using flood risk as a key factor for areas identified for flood map updates. Visit [www.fema.gov](http://www.fema.gov) to learn more about the CNMS or contact the FEMA Regional Office listed in Section 8 of this FIS Report.

### 6.5.6 Community Map History

The current FIRM presents flooding information for the entire geographic area of Kalamazoo County. Previously, separate FIRMs, Flood Hazard Boundary Maps (FHBMs) and/or Flood Boundary and Floodway Maps (FBFs) may have been prepared for the incorporated communities and the unincorporated areas in the county that had identified SFHAs. Current and historical data relating to the maps prepared for the project area are presented in Table 27, "Community Map History." A description of each of the column headings and the source of the date is also listed below.

- *Community Name* includes communities falling within the geographic area shown on the FIRM, including those that fall on the boundary line, nonparticipating communities, and communities with maps that have been rescinded. Communities with No Special Flood Hazards are indicated by a footnote. If all maps (FHBMs, FBFs, and FIRM) were rescinded for a community, it is not listed in this table unless SFHAs have been identified in this community.
- *Initial Identification Date (First NFIP Map Published)* is the date of the first NFIP map that identified flood hazards in the community. If the FHBMs have been converted to a FIRM, the initial FHBMs date is shown. If the community has never been mapped, the upcoming effective date or "pending" (for Preliminary FIS Reports) is shown. If the community is listed in Table 27 but not identified on the map, the community is treated as if it were unmapped.
- *Initial FHBMs Effective Date* is the effective date of the first FHBMs. This date may be the same date as the Initial NFIP Map Date.
- *FHBMs Revision Date(s)* is the date(s) that the FHBMs was revised, if applicable.
- *Initial FIRM Effective Date* is the date of the first effective FIRM for the community.
- *FIRM Revision Date(s)* is the date(s) the FIRM was revised, if applicable. This is the revised date that is shown on the FIRM panel, if applicable. As countywide studies are completed or revised, each community listed should have its FIRM dates updated accordingly to reflect the date of the countywide study. Once the FIRMs exist in countywide format, as PMRs of FIRM panels within the county are completed, the FIRM Revision Dates in the table for each community affected by the PMR are updated with the date of the PMR, even if the PMR did not revise all the panels within that community.

The initial effective date for the Kalamazoo County FIRMs in countywide format was 2/17/2010.

**Table 27: Community Map History**

| Community Name                            | Initial Identification Date | Initial FHBM Effective Date | FHBM Revision Date(s) | Initial FIRM Effective Date | FIRM Revision Date(s)               |
|---|-----------------------------|-----------------------------|-----------------------|-----------------------------|-------------------------------------|
| Alamo, Township of <sup>1,2</sup>         | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024                           |
| Augusta, Village of                       | 3/8/1974                    | 3/8/1974                    | 2/7/1975              | 3/15/1982                   | 7/31/2024<br>2/17/2010              |
| Brady, Township of <sup>2</sup>           | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024                           |
| Charleston, Township of                   | 7/25/1975                   | 7/25/1975                   | N/A                   | 4/15/1982                   | 7/31/2024<br>2/17/2010              |
| Climax, Township of <sup>2</sup>          | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024                           |
| Climax, Village of <sup>1,2</sup>         | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024                           |
| Comstock, Charter Township of             | 10/10/1975                  | 10/10/1975                  | N/A                   | 11/17/1982                  | 7/31/2024<br>2/17/2010              |
| Cooper, Charter Township of               | 4/1/1977                    | 4/1/1977                    | N/A                   | 9/28/1979                   | 7/31/2024<br>2/17/2010              |
| Galesburg, City of                        | 10/24/1975                  | 10/24/1975                  | N/A                   | 4/1/1982                    | 7/31/2024<br>2/17/2010              |
| Kalamazoo, Charter Township of            | 5/20/1977                   | 5/20/1977                   | N/A                   | 6/15/1982                   | 7/31/2024<br>2/17/2010<br>6/15/1994 |
| Kalamazoo, City of                        | 2/15/1974                   | 2/15/1974                   | 8/15/1975             | 5/1/1985                    | 7/31/2024<br>2/17/2010<br>9/30/1992 |
| Oshtemo, Charter Township of <sup>2</sup> | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024                           |
| Parchment, City of <sup>2</sup>           | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024                           |
| Pavilion, Township of <sup>1,2</sup>      | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024                           |
| Portage, City of                          | 9/19/1975                   | 9/19/1975                   | N/A                   | 5/16/1983                   | 7/31/2024<br>2/17/2010              |

<sup>1</sup>No Special Flood Hazard Areas Identified

<sup>2</sup>This community did not have a FIRM prior to the first countywide FIRM for Kalamazoo County

**Table 27: Community Map History (continued)**

| Community Name                          | Initial Identification Date | Initial FHBM Effective Date | FHBM Revision Date(s) | Initial FIRM Effective Date | FIRM Revision Date(s)  |
|---|-----------------------------|-----------------------------|-----------------------|-----------------------------|------------------------|
| Prairie Ronde, Township of <sup>2</sup> | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024              |
| Richland, Township of <sup>2</sup>      | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024              |
| Richland, Village of <sup>1,2</sup>     | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024              |
| Ross, Township of                       | 3/15/1982                   | N/A                         | N/A                   | 3/15/1982                   | 7/31/2024<br>2/17/2010 |
| Schoolcraft, Township of <sup>2</sup>   | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024              |
| Schoolcraft, Village of <sup>1,2</sup>  | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024              |
| Texas, Charter Township of <sup>2</sup> | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024              |
| Vicksburg, Village of                   | 10/24/1975                  | 10/24/1975                  | N/A                   | 7/2/1987                    | 7/31/2024<br>2/17/2010 |
| Wakeshma, Township of <sup>1,2</sup>    | 2/17/2010                   | N/A                         | N/A                   | 2/17/2010                   | 7/31/2024              |

<sup>1</sup> No Special Flood Hazard Areas Identified

<sup>2</sup> This community did not have a FIRM prior to the first countywide FIRM for Kalamazoo County

## SECTION 7.0 – CONTRACTED STUDIES AND COMMUNITY COORDINATION

### 7.1 Contracted Studies

Table 28 provides a summary of the contracted studies, by flooding source, that are included in this FIS Report.

**Table 28: Summary of Contracted Studies Included in this FIS Report**

| Flooding Source | FIS Report Dated | Contractor                      | Number           | Work Completed Date | Affected Communities |
|-----------------|------------------|---------------------------------|------------------|---------------------|----------------------|
| Arcadia Creek   | 9/30/1992        | Wade, Trim and Associates, Inc. | H-4802           | 1981                | Kalamazoo, City of   |
| Arcadia Creek   | 7/31/2024        | STARR II                        | HSFE60-15-D-0005 | 2020                | Kalamazoo, City of   |

**Table 28: Summary of Contracted Studies Included in this FIS Report (continued)**

| Flooding Source                  | FIS Report Dated | Contractor                        | Number            | Work Completed Date | Affected Communities                               |
|----------------------------------|------------------|-----------------------------------|-------------------|---------------------|--|
| Augusta Creek                    | 9/15/1981        | Commonwealth Associates Inc.      | H-4729            | 1980                | Augusta, Village of; Charleston, Township of       |
| Augusta Creek                    | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05 -05-D-0026 | 2007                | Augusta, Village of; Ross, Township of             |
| Augusta Creek Tributary A        | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05 -05-D-0026 | 2007                | Ross, Township of                                  |
| Augusta Creek Tributary B        | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05 -05-D-0026 | 2007                | Ross, Township of                                  |
| Austin Lake                      | 11/16/1982       | Wade, Trim and Associates, Inc.   | H-4802            | 1981                | Portage, City of                                   |
| Campus Drive Diversion           | 9/30/1992        | Wade, Trim and Associates, Inc.   | H-4802            | 1981                | Kalamazoo, City of                                 |
| Comstock Creek                   | 5/17/1982        | Wade, Trim and Associates, Inc.   | H-4802            | 1981                | Comstock, Charter Township of                      |
| Comstock Creek                   | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05 -05-D-0026 | 2007                | Comstock, Charter Township of                      |
| Consolidated Drain No. 1         | 11/16/1982       | Wade, Trim and Associates, Inc.   | H-4802            | 1981                | Portage, City of                                   |
| Davis Creek                      | 6/15/1994        | USACE, Detroit District           | EMW-91-E-3529     | 1992                | Kalamazoo, Charter Township of                     |
| Davis Creek                      | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05 -05-D-0026 | 2007                | Kalamazoo, Charter Township of; Kalamazoo, City of |
| Flowerfield Creek                | 7/31/2024        | STARR II                          | HSFE60 -15-D-0005 | 2020                | Prairie Ronde, Township of                         |
| Flowerfield Creek East Tributary | 7/31/2024        | STARR II                          | HSFE60 -15-D-0005 | 2020                | Prairie Ronde, Township of                         |

**Table 28: Summary of Contracted Studies Included in this FIS Report (continued)**

| Flooding Source                  | FIS Report Dated | Contractor                        | Number            | Work Completed Date | Affected Communities                       |
|----------------------------------|------------------|-----------------------------------|-------------------|---------------------|--|
| Flowerfield Creek West Tributary | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05 -05-D-0026 | 1996                | Prairie Ronde, Township of                 |
| Gourdneck Canal                  | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05 -05-D-0026 | 2007                | Portage, City of                           |
| Gourdneck Canal                  | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05 -05-D-0026 | 2007                | Schoolcraft, Township of; Portage, City of |
| Gourdneck Creek                  | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05 -05-D-0026 | 2007                | Schoolcraft, Township of; Portage, City of |
| Gourdneck Creek Tributary 1      | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05 -05-D-0026 | 2007                | Schoolcraft, Township of                   |
| Gourdneck Lake                   | 11/16/1982       | Wade, Trim and Associates, Inc.   | H-4802            | 1981                | Portage, City of; Schoolcraft, Township of |
| Grass Lake                       | 11/16/1982       | N/A                               | N/A               | 1981                | Richland, Township of                      |
| Gull Creek                       | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05 -05-D-0026 | 2007                | Charleston, Township of; Ross, Township of |
| Gull Lake                        | 11/16/1982       | N/A                               | N/A               | 1981                | Richland, Township of; Ross, Township of   |
| Hogset Lake                      | 11/16/1982       | Wade, Trim and Associates, Inc.   | H-4802            | 1981                | Schoolcraft, Township of                   |
| Howard Street Diversion          | 9/30/1992        | Wade, Trim and Associates, Inc.   | H-4802            | 1981                | Kalamazoo, City of                         |
| Kalamazoo River                  | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05 -05-D-0026 | 2007                | Cooper, Charter Township of                |

**Table 28: Summary of Contracted Studies Included in this FIS Report (continued)**

| Flooding Source                      | FIS Report Dated | Contractor                        | Number           | Work Completed Date | Affected Communities  |
|--------------------------------------|------------------|-----------------------------------|------------------|---------------------|---|
| Kalamazoo River                      | 7/31/2024        | STARR II                          | HSFE60-15-D-0005 | 2020                | Augusta, Village of; Charleston, Township of; Comstock, Charter Township of; Cooper, Charter Township of; Kalamazoo, Charter Township of; Kalamazoo, City of; Parchment, City of; Ross, Township of |
| Kalamazoo River (US)                 | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05-05-D-0026 | 2007                | Ross, Township of   |
| Kalamazoo River Trib 1               | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05-05-D-0026 | 2007                | Cooper, Charter Township of   |
| Kalamazoo River Trib 16              | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05-05-D-0026 | 2007                | Charleston, Township of; Ross, Township of  |
| Kalamazoo River Trib 17              | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05-05-D-0026 | 2007                | Ross, Township of   |
| Little Sugarloaf Lake                | 11/16/1982       | Wade, Trim and Associates, Inc.   | H-4802           | 1981                | Portage, City of; Schoolcraft, Township of  |
| Portage Creek (Zone AE)              | 7/31/2024        | STARR II                          | HSFE60-15-D-0005 | 2020                | Kalamazoo, City of; Portage, City of  |
| Portage Creek (Zone A)               | 7/31/2024        | STARR II                          | HSFE60-15-D-0005 | 2020                | Portage, City of; Texas, Charter Township of  |
| Portage Creek (Village of Vicksburg) | 7/31/2024        | STARR II                          | HSFE60-15-D-0005 | 2020                | Schoolcraft, Township of; Vicksburg, Village of   |
| Sevenmile Creek                      | 2/17/2010        | Stantec Consulting Services, Inc. | HSFE05-05-D-0026 | 2007                | Ross, Township of   |

**Table 28: Summary of Contracted Studies Included in this FIS Report (continued)**

| Flooding Source                      | FIS Report Dated | Contractor   | Number            | Work Completed Date | Affected Communities  |
|--------------------------------------|------------------|--|-------------------|---------------------|---|
| Silver Creek                         | 7/31/2024        | STARR II   | HSFEH Q09-D-0370  | 2016                | Cooper, Charter Township of                                   |
| Spring Brook                         | 2/17/2010        | Stantec Consulting Services, Inc.                  | HSFE05 -05-D-0026 | 2007                | Cooper, Charter Township of                                   |
| Spring Creek                         | 2/17/2010        | USDA Natural Resources Conservation Service (NRCS) | N/A               | 1996                | Schoolcraft, Township of                                      |
| Sugarloaf (Lower) Lake               | 11/16/1982       | Wade, Trim and Associates, Inc.                    | H-4802            | 1981                | Schoolcraft, Township of                                      |
| Sugarloaf (Upper) Lake               | 11/16/1982       | Wade, Trim and Associates, Inc.                    | H-4802            | 1981                | Portage, City of; Schoolcraft, Township of                    |
| Tributary to Kalamazoo River         | 7/31/2024        | STARR II   | HSFE60 -15-D-0005 | 2020                | Comstock, Charter Township of; Kalamazoo, Charter Township of |
| Tributary to Portage Creek           | 7/31/2024        | STARR II   | HSFE60 -15-D-0005 | 2020                | Portage, City of  |
| Tributary to West Fork Portage Creek | 2/17/2010        | Stantec Consulting Services, Inc.                  | HSFE05 -05-D-0026 | 2007                | Kalamazoo, City of  |
| Unnamed Trib. 1                      | 7/31/2024        | STARR II   | HSFE60 -15-D-0005 | 2020                | Portage, City of  |
| Weeds Lake                           | 11/16/1982       | N/A  | N/A               | 1981                | Texas, Charter Township of                                    |

**Table 28: Summary of Contracted Studies Included in this FIS Report (continued)**

| Flooding Source  | FIS Report Dated | Contractor   | Number            | Work Completed Date | Affected Communities   |
|--|------------------|--|-------------------|---------------------|--|
| West Fork Portage Creek  | 11/16/1982       | U.S. Department of Agriculture (USDA), Soil Conservation Service (SCS) | N/A               | 1978                | Kalamazoo, City of; Portage, City of   |
| West Fork Portage Creek  | 2/17/2010        | Stantec Consulting Services, Inc.                                      | HSFE05 -05-D-0026 | 2007                | Kalamazoo, City of; Portage, City of   |
| West Lake  | 11/16/1982       | Wade, Trim and Associates, Inc.  | H-4802            | 1981                | Portage, City of   |
| Zone A Lakes (Asylum Lake, Eagle Lake, Jordan Lake, Rock Quarry Lakes, Sunset Lake)  | 7/31/2024        | STARR II   | HSFE60 -15-D-0005 | Unknown             | Charleston, Township of; Climax, Township of; Comstock, Charter Township of; Kalamazoo, City of; Schoolcraft, Township of; Vicksburg, Village of                   |
| Zone A Lakes (Duck Lake, Eagle Lake, Goslins Lake, Grassy Lake, Mud Lake, Oatman Lake, Portage Lake, Potter Lake, Stony Lake, Unnamed Lakes) | 1981             | Unknown  | N/A               | Unknown             | Charleston, Township of; Climax, Township of; Oshtemo, Charter Township of; Portage, City of; Richland, Township of; Ross, Township of; Texas, Charter Township of |

## 7.2 Community Meetings

The dates of the community meetings held for this Flood Risk Project and previous Flood Risk Projects are shown in Table 29. These meetings may have previously been referred to by a variety of names (Community Coordination Officer (CCO), Scoping, Discovery, etc.), but all meetings represent opportunities for FEMA, community officials, study contractors, and other invited guests to discuss the planning for and results of the project.

**Table 29: Community Meetings**

| Community           | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|---------------------|------------------|-----------------|-------------------|--|
| Alamo, Township of  | 7/31/2024        | 1/15/2015       | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |
|                     |                  | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|                     |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Augusta, Village of | 7/31/2024        | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (*continued*)**

| Community                       | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|---------------------------------|------------------|-----------------|-------------------|--|
| Augusta, Village of (continued) | 7/31/2024        | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Brady, Township of              | 7/31/2024        | 1/15/2015       | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |
|                                 |                  | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|                                 |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (*continued*)**

| Community               | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|-------------------------|------------------|-----------------|-------------------|--|
| Charleston, Township of | 7/31/2024        | 1/15/2015       | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |
|                         |                  | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|                         |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Charleston, Township of | 7/31/2024        | 1/15/2015       | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |

**Table 29: Community Meetings (continued)**

| Community                           | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|-------------------------------------|------------------|-----------------|-------------------|--|
| Charleston, Township of (continued) | 7/31/2024        | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|                                     |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Climax, Township of                 | 7/31/2024        | 1/15/2015       | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |
|                                     |                  | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (*continued*)**

| Community                             | FIS Report Dated | Date of Meeting | Meeting Type         | Attended By  |
|---------------------------------------|------------------|-----------------|----------------------|--|
| Climax,<br>Township of<br>(continued) | 7/31/2024        | 6/8/2021        | Final CCO            | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Climax,<br>Village of                 | 7/31/2024        | 8/6/2019        | Flood Risk Review    | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|                                       |                  | 6/8/2021        | Final CCO            | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Comstock,<br>Charter<br>Township of   | 7/31/2024        | 1/15/2015       | Project<br>Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |

**Table 29: Community Meetings (continued)**

| Community                                 | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|---|------------------|-----------------|-------------------|--|
| Comstock, Charter Township of (continued) | 7/31/2024        | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|   |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Cooper, Charter Township of               | 7/31/2024        | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (*continued*)**

| Community                               | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|---|------------------|-----------------|-------------------|--|
| Cooper, Charter Township of (continued) | 7/31/2024        | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Galesburg, City of                      | 7/31/2024        | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|   |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (*continued*)**

| Community                      | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|--------------------------------|------------------|-----------------|-------------------|--|
| Kalamazoo, Charter Township of | 7/31/2024        | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|                                |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Kalamazoo, City of             | 7/31/2024        | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (continued)**

| Community                      | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|--------------------------------|------------------|-----------------|-------------------|--|
| Kalamazoo, City of (continued) | 7/31/2024        | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Oshtemo, Charter Township of   | 7/31/2024        | 1/15/2015       | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |
|                                |                  | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|                                |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (continued)**

| Community             | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|-----------------------|------------------|-----------------|-------------------|--|
| Parchment, City of    | 7/31/2024        | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|                       |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Pavilion, Township of | 7/31/2024        | 1/15/2015       | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |
|                       |                  | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (continued)**

| Community                               | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|---|------------------|-----------------|-------------------|--|
| Pavilion,<br>Township of<br>(continued) | 7/31/2024        | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Portage,<br>City of                     | 7/31/2024        | 1/15/2015       | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |
|   |                  | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|   |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (*continued*)**

| Community                  | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|----------------------------|------------------|-----------------|-------------------|--|
| Prairie Ronde, Township of | 7/31/2024        | 1/15/2015       | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |
|                            |                  | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|                            |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Richland, Township of      | 7/31/2024        | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (continued)**

| Community                               | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|---|------------------|-----------------|-------------------|--|
| Richland,<br>Township of<br>(continued) | 7/31/2024        | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Richland,<br>Village of                 | 7/31/2024        | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|   |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (continued)**

| Community                   | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|-----------------------------|------------------|-----------------|-------------------|--|
| Ross,<br>Township of        | 7/31/2024        | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|                             |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Schoolcraft,<br>Township of | 7/31/2024        | 1/15/2015       | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |
|                             |                  | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (continued)**

| Community                            | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|--------------------------------------|------------------|-----------------|-------------------|--|
| Schoolcraft, Township of (continued) | 7/31/2024        | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Schoolcraft, Village of              | 7/31/2024        | 1/15/2015       | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |
|                                      |                  | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|                                      |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (*continued*)**

| Community                  | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|----------------------------|------------------|-----------------|-------------------|--|
| Texas, Charter Township of | 7/31/2024        | 01/15/2015      | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |
|                            |                  | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|                            |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Vicksburg, Village of      | 7/31/2024        | 1/15/2015       | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |

**Table 29: Community Meetings (*continued*)**

| Community                               | FIS Report Dated | Date of Meeting | Meeting Type      | Attended By  |
|---|------------------|-----------------|-------------------|--|
| Vicksburg,<br>Village of<br>(continued) | 7/31/2024        | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
|   |                  | 6/8/2021        | Final CCO         | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |
| Wakeshma,<br>Township of                | 7/31/2024        | 1/15/2015       | Project Discovery | Representatives of Charter Township of Comstock, Charter Township of Oshtemo, Charter Township of Texas, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Prairie Ronde, Township of Schoolcraft, Township of Wakeshma, Village of Schoolcraft, Village of Vicksburg   |
|   |                  | 8/6/2019        | Flood Risk Review | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

**Table 29: Community Meetings (*continued*)**

| Community                               | FIS Report Dated | Date of Meeting | Meeting Type | Attended By  |
|---|------------------|-----------------|--------------|--|
| Wakeshma,<br>Township of<br>(continued) | 7/31/2024        | 6/8/2021        | Final CCO    | Representatives of Charter Township of Comstock, Charter Township of Cooper, Charter Township of Kalamazoo, Charter Township of Oshtemo, Charter Township of Texas, City of Galesburg, City of Kalamazoo, City of Parchment, City of Portage, Federal Emergency Management Agency, Michigan Dept. of Env. Great Lakes and Energy, STARR II, Township of Alamo, Township of Brady, Township of Charleston, Township of Climax, Township of Pavilion, Township of Prairie Ronde, Township of Richland, Township of Ross, Township of Schoolcraft, Township of Wakeshma, Village of Augusta, Village of Climax, Village of Richland, Village of Schoolcraft, Village of Vicksburg |

## SECTION 8.0 – ADDITIONAL INFORMATION

Information concerning the pertinent data used in the preparation of this FIS Report can be obtained by submitting an order with any required payment to the FEMA Engineering Library. For more information on this process, see [www.fema.gov](http://www.fema.gov).

The additional data that was used for this project includes: the FIS Report and FIRM that were previously prepared for Kalamazoo County, Michigan (FEMA 2010a and FEMA 2010); the National Flood Hazard Layer Dataset (FEMA 2010b); Allegan County, Michigan Zone A studies (STARR II 2016); the updated Kalamazoo County hydrology (STARR II 2020a and STARR II 2020b), hydraulics (STARR II, STARR II 2019); and FIRM Panel Index for Kalamazoo County (STARR II 2020c).

Table 30 is a list of the locations where FIRMs for Kalamazoo County can be viewed. Please note that the maps at these locations are for reference only and are not for distribution. Also, please note that only the maps for the community listed in the table are available at that particular repository. A user may need to visit another repository to view maps from an adjacent community.

**Table 30: Map Repositories**

| Community                       | Address  | City      | State | Zip Code |
|---------------------------------|--|-----------|-------|----------|
| Alamo, Township of <sup>1</sup> | Alamo Town Hall<br>7901 North 6 <sup>th</sup> Street           | Kalamazoo | MI    | 49009    |
| Augusta, Village of             | Village Hall<br>109 West Clinton Street                        | Augusta   | MI    | 49012    |
| Brady, Township of              | Brady Town Hall<br>13123 South 24 <sup>th</sup> Street         | Vicksburg | MI    | 49097    |
| Charleston, Township of         | Charleston Township Hall<br>1499 South 38 <sup>th</sup> Street | Galesburg | MI    | 49053    |
| Climax, Township of             | Township Hall<br>110 North Main Street                         | Climax    | MI    | 49034    |
| Climax, Village of <sup>1</sup> | Village Hall<br>114 East Maple Street                          | Climax    | MI    | 49034    |
| Comstock, Charter Township of   | Comstock Township Offices<br>6138 King Highway                 | Kalamazoo | MI    | 49048    |
| Cooper, Charter Township of     | Cooper Township Offices<br>1590 D Avenue West                  | Kalamazoo | MI    | 49009    |
| Galesburg, City of              | City Hall<br>200 East Michigan Avenue                          | Galesburg | MI    | 49053    |
| Kalamazoo, Charter Township of  | Township Hall<br>1720 Riverview Drive                          | Kalamazoo | MI    | 49004    |
| Kalamazoo, City of              | City Hall<br>241 West South Street                             | Kalamazoo | MI    | 49007    |

**Table 30: Map Repositories (continued)**

| Community                            | Address   | City        | State | Zip Code |
|--------------------------------------|---|-------------|-------|----------|
| Oshtemo, Charter Township of         | Oshtemo Township Offices<br>7275 West Main Street                 | Kalamazoo   | MI    | 49009    |
| Parchment, City of                   | City Hall<br>650 South Riverview Drive                            | Parchment   | MI    | 49004    |
| Pavilion, Township of <sup>1</sup>   | Pavilion Township Hall<br>7510 Q Avenue East                      | Scotts      | MI    | 49088    |
| Portage, City of                     | City Hall<br>7900 South Westnedge Avenue                          | Portage     | MI    | 49002    |
| Prairie Ronde, Township of           | Prairie Ronde Township Hall<br>14050 South 6 <sup>th</sup> Street | Schoolcraft | MI    | 49087    |
| Richland, Township of                | Township Offices<br>7401 North 32 <sup>nd</sup> Street            | Richland    | MI    | 49083    |
| Richland, Village of <sup>1</sup>    | Village Hall<br>8100 North 32 <sup>nd</sup> Street                | Richland    | MI    | 49083    |
| Ross, Township of                    | Ross Township Offices<br>12086 East M-89                          | Richland    | MI    | 49083    |
| Schoolcraft, Township of             | Schoolcraft Township Hall<br>50 VW Avenue East                    | Vicksburg   | MI    | 49097    |
| Schoolcraft, Village of <sup>1</sup> | Municipal Complex<br>442 North Grand Street                       | Schoolcraft | MI    | 49087    |
| Texas, Charter Township of           | Texas Township Hall<br>7110 West Q Avenue                         | Kalamazoo   | MI    | 49009    |
| Vicksburg, Village of                | Village Hall<br>126 North Kalamazoo Avenue                        | Vicksburg   | MI    | 49097    |
| Wakeshma, Township of <sup>1</sup>   | Wakeshma Township Office<br>13988 South 42 <sup>nd</sup> Street   | Fulton      | MI    | 49052    |

<sup>1</sup> No Special Flood Hazard Areas Identified

The National Flood Hazard Layer (NFHL) dataset is a compilation of effective FIRM Databases and LOMCs. Together they create a GIS data layer for a State or Territory. The NFHL is updated as studies become effective and extracts are made available to the public monthly. NFHL data can be viewed or ordered from the website shown in Table 31.

Table 31 contains useful contact information regarding the FIS Report, the FIRM, and other relevant flood hazard and GIS data. In addition, information about the State NFIP Coordinator and GIS Coordinator is shown in this table. At the request of FEMA, each Governor has designated an agency of State or territorial government to coordinate that State's or territory's NFIP activities. These agencies often assist communities in developing and adopting necessary floodplain management measures. State GIS Coordinators are knowledgeable about the availability and location of State and local GIS data in their state.

**Table 31: Additional Information**

| FEMA and the NFIP                         |  |
|---|--|
| FEMA and FEMA Engineering Library website | <a href="https://www.fema.gov/flood-maps/products-tools/know-your-risk/engineers-surveyors-architects">https://www.fema.gov/flood-maps/products-tools/know-your-risk/engineers-surveyors-architects</a>  |
| NFIP website                              | <a href="http://www.fema.gov/flood-insurance">www.fema.gov/flood-insurance</a>   |
| NFHL Dataset                              | <a href="http://msc.fema.gov">msc.fema.gov</a>   |
| FEMA Region V                             |  |
|   | Federal Emergency Management Agency<br>536 South Clark Street, 6th Floor<br>Chicago, IL 60605<br>312-408-5500  |
| Other Federal Agencies                    |  |
| USGS website                              | <a href="http://www.usgs.gov">www.usgs.gov</a>   |
| Hydraulic Engineering Center website      | <a href="http://www.hec.usace.army.mil">www.hec.usace.army.mil</a>   |
| State Agencies and Organizations          |  |
| State NFIP Coordinator                    | Matt Occhipinti<br>Michigan Department of Environment, Great Lakes, and Energy<br>Constitution Hall<br>525 West Allegan Street<br>Lansing, Michigan 48909-7973<br>(616) 204-1708<br><a href="mailto:occhipintim@michigan.gov">occhipintim@michigan.gov</a> |
| State GIS Coordinator                     | Eric Swanson<br>Director, Center for Shared Solutions<br>State of Michigan<br>111 S Capitol Avenue<br>Lansing, Michigan 48933<br>Phone: (517) 373-7910<br><a href="mailto:dtmb-css@michigan.gov">dtmb-css@michigan.gov</a>                                 |

## SECTION 9.0 – BIBLIOGRAPHY AND REFERENCES

Table 32 includes sources used in the preparation of and cited in this FIS Report as well as additional studies that have been conducted in the study area.

**Table 32: Bibliography and References**

| Citation in this FIS | Publisher/Issuer   | <i>Publication Title</i> , "Article," Volume, Number, etc.            | Author/Editor                                   | Place of Publication | Publication Date/ Date of Issuance | Link  |
|----------------------|--|---|---|----------------------|------------------------------------|---|
| FEMA 2010            | Federal Emergency Management Agency  | Hydraulic Modeling for Zone A Floodplains                             | Stantec Consulting Inc.                         | Washington, D.C.     | February 17, 2010                  |   |
| FEMA 2010a           | Federal Emergency Management Agency  | Flood Insurance Study, Kalamazoo County, Michigan (All Jurisdictions) | FEMA  | Washington, D.C.     | February 17, 2010                  | msc.fema.gov  |
| FEMA 2010b           | Federal Emergency Management Agency  | National Flood Hazard Layer Dataset                                   | FEMA  | Washington, D.C.     | February 17, 2010                  |   |
| MI OPEN GIS 2016     | State of Michigan Center for Shared Solutions and Technology Partnerships  | Base Map for Kalamazoo County, MI                                     | State of Michigan Center for Shared Solutions   | Lansing, MI          | June 2014                          | <a href="https://gis-michigan.open data.arcgis.com/">https://gis-michigan.open data.arcgis.com/</a> |
| MiSAIL 2015          | Michigan Statewide Authoritative Imagery and LiDAR (MiSAIL) - Department of Technology, Management and Budget (DTMB) | Terrain Tiled DEM 2015  | Department of Technology, Management and Budget | Lansing, MI          | 2015                               |   |
| MiSAIL 2016          | Michigan Statewide Authoritative Imagery and LiDAR (MiSAIL) - Department of Technology, Management and Budget (DTMB) | National Agriculture Imagery Program (NAIP), Ortho-imagery 2016       | National Resources Conservation Service (NRCS)  | Lansing, MI          | December 22, 2016                  |   |

**Table 32: Bibliography and References (continued)**

| Citation in this FIS | Publisher/Issuer   | Publication Title, "Article," Volume, Number, etc.   | Author/Editor        | Place of Publication | Publication Date/ Date of Issuance | Link |
|----------------------|--|--|----------------------|----------------------|------------------------------------|------|
| MiSAIL 2018          | Michigan Statewide Authoritative Imagery and LiDAR (MiSAIL) - Department of Technology, Management and Budget (DTMB) | Orthoimagery for Kalamazoo County, MI  | Kalamazoo County, MI | Kalamazoo, MI        | 2018                               |      |
| Sorrell 2010         | Michigan Department of Natural Resources and Environment Land and Water Management Division                          | Computing Flood Discharges for Small Ungaged Watersheds                                    | Richard C. Sorrell   | Michigan             | June 22, 2010                      |      |
| STARR 2016           | Strategic Alliance For Risk Reduction  | Zone A Studies, Allegan County, Michigan   | STARR II             | Washington, D.C.     | September 2016                     |      |
| STARR II 2018        | Strategic Alliance For Risk Reduction  | Redelineation of Effective Zone AE Reaches and Zone A/AE Lakes within St. Joseph Watershed | STARR II             | Cincinnati, OH       | January 7, 2018                    |      |
| STARR II 2019        | Federal Emergency Management Agency  | FY17 Redelineation and Hydraulic Modeling  | STARR II             | Washington, D.C.     | August 2019                        |      |
| STARR II 2020a       | Strategic Alliance For Risk Reduction  | Detailed Studies - Rainfall Runoff   | STARR II             | Cincinnati, OH       | August 5, 2020                     |      |
| STARR II 2020b       | Strategic Alliance For Risk Reduction  | Zone A Studies (Michigan) - SCS Modified Regression  | STARR II             | Cincinnati, OH       | August 5, 2020                     |      |
| STARR II 2024        | Strategic Alliance For Risk Reduction  | FIRM Panel Index for Kalamazoo County, MI  | STARR II             | Washington, D.C.     | July 31, 2024                      |      |

**Table 32: Bibliography and References (continued)**

| Citation in this FIS | Publisher/Issuer  | <i>Publication Title, "Article," Volume, Number, etc.</i>                       | Author/Editor                | Place of Publication | Publication Date/ Date of Issuance | Link  |
|----------------------|---|---|------------------------------|----------------------|------------------------------------|---|
| USACE 1976           | U.S. Army Corps of Engineers                              | HEC-2 Water Surface Profiles  | U.S. Army Corps of Engineers | Davis, CA            | 1976                               | <a href="https://www.hc.usace.army.mil/">https://www.hc.usace.army.mil/</a> |
| USACE 1995           | U.S. Army Corps of Engineers                              | HEC-RAS River Analysis System, Version 1.0                                      | U.S. Army Corps of Engineers | Davis, CA            | July 1995                          | <a href="https://www.hc.usace.army.mil/">https://www.hc.usace.army.mil/</a> |
| USACE 2005           | U.S. Army Corps of Engineers                              | HEC-RAS River Analysis System, Version 3.1.3                                    | U.S. Army Corps of Engineers | Davis, CA            | May 2005                           | <a href="https://www.hc.usace.army.mil/">https://www.hc.usace.army.mil/</a> |
| USACE 2009           | U.S. Army Corps of Engineers                              | Hydrologic Modeling System HEC-HMS Version 3.4                                  | U.S. Army Corps of Engineers | Davis, CA            | August 2009                        | <a href="https://www.hc.usace.army.mil/">https://www.hc.usace.army.mil/</a> |
| USACE 2010           | U.S. Army Corps of Engineers                              | HEC-RAS River Analysis System, Version 4.1.0                                    | U.S. Army Corps of Engineers | Davis, CA            | January 2010                       | <a href="https://www.hc.usace.army.mil/">https://www.hc.usace.army.mil/</a> |
| USACE 2017           | U.S. Army Corps of Engineers                              | Hydrologic Modeling System HEC-HMS version 4.2.1                                | U.S. Army Corps of Engineers | Davis, CA            | March 2017                         | <a href="https://www.hc.usace.army.mil/">https://www.hc.usace.army.mil/</a> |
| USACE 2017a          | U.S. Army Corps of Engineers                              | Hydrologic Engineering Center, HEC-SSP Statistical Software Package Version 2.0 | U.S. Army Corps of Engineers | Davis, CA            | January 2017                       |   |
| USACE 2019           | U.S. Army Corps of Engineers                              | HEC-RAS River Analysis System, Version 5.0.7                                    | U.S. Army Corps of Engineers | Davis, CA            | March 7, 2019                      | <a href="https://www.hc.usace.army.mil/">https://www.hc.usace.army.mil/</a> |
| USDA 1978            | U.S. Department of Agriculture, Soil Conservation Service | TR-20 Computer Program Parts I-IV   | Corcoran, R.H                |                      | 1978                               |   |

**Table 32: Bibliography and References (continued)**

| Citation in this FIS | Publisher/Issuer             | <i>Publication Title, "Article," Volume, Number, etc.</i>                               | Author/Editor                | Place of Publication | Publication Date/ Date of Issuance | Link  |
|----------------------|------------------------------|---|------------------------------|----------------------|------------------------------------|---|
| USGS 1973            | U.S. Geological Survey       | 7.5 Minute Series Topographic Maps: Kalamazoo, Scale 1:24,000, Contour Interval 10 feet | U. S. Geological Survey      |                      | 1973                               |   |
| USGS 2005            | U.S. Geological Survey       | PeakFQWin Computer Program Version 5.0  | U.S. Geological Survey       |                      | July 30, 2005                      |   |
| USGS 2019            | U.S. Geological Survey       | USGS Stream Gages   | U.S. Geological Survey       | Washington, D.C.     | January 12, 2019                   | <a href="https://waterdata.usgs.gov/nwis/">https://waterdata.usgs.gov/nwis/</a> |
| U.S. WRC 1976        | U.S. Water Resources Council | Guidelines for Determining Flood Flow Frequency, Bulletin 17                            | U.S. Water Resources Council |                      | March 1976                         | <a href="https://www.hc.usace.army.mil/L">https://www.hc.usace.army.mil/L</a>   |































































































