

**APPENDIX L – FEMA Floodplain Panels**

Steele County

**NOTES TO USERS**

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood-based information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **Footcandle** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS Report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

**Coastal Base Flood Elevations** shown on this map apply only landward of 0'0" North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study Report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

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 Flood Insurance Study Report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study Report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 15. The horizontal datum was NAD 83 (GRS 1985) spheroid. Differences in datum, spheroid, projection or UTM 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 this FIRM.

Flood elevations on this map 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 <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services  
NOAA, NIMS-12  
National Geodetic Survey  
SCMC-3 #9022  
1315 East-West Highway  
Silver Spring, Maryland 20910-3282  
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

**Base Map** information shown on this FIRM was provided for the cities of Oshtemo, Merton, Blooming Prairie, and Eldorado by Aero-Metric, Inc. dated 2007 and captured at a resolution of six inches. For all other areas of Steele County the imagery used is from the Farm Services Administration (FSA) dated 2003-2004 at a resolution of six inches.

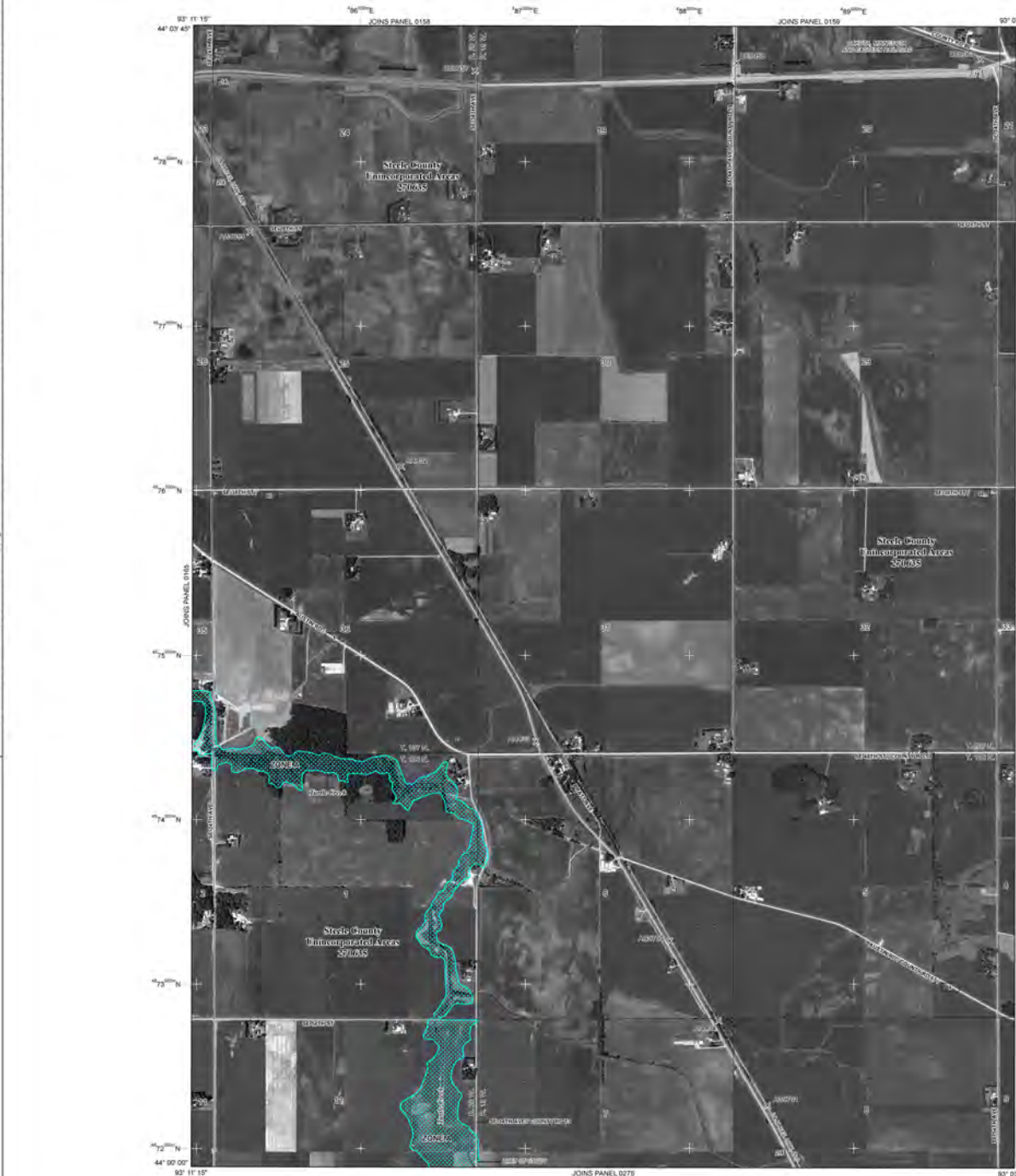
The **profile baselines** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the **profile baselines**, in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

**Corporate limits** shown on this map are based on the best data available at the time of publication. Because changes due to annexations or disannexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels, community map repository addresses, and a listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information on available products associated with this FIRM visit the **Map Service Center (MSC)** website at <http://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 MSC website.

If you have **questions about this map**, how to order products, or the National Flood Insurance Program in general, please call the **FEMA Map Information eXchange (FMIX)** at 1-877-FEMA-MAP (1-877-336-6277) or visit the FEMA website at <http://www.fema.gov/business/fmif>.



**LEGEND**

**SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**  
The 1% annual chance flood (100-year flood) is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zone A, AE, AH, AO, A1, A2, A3, X, and VE. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.

**ZONE A** No Base Flood Elevation determined.  
**ZONE AE** Base Flood Elevation determined.  
**ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevation determined.  
**ZONE AD** Flood depths of 1 to 3 feet (usually sheet flow or sloping levees); average depths determined. For areas of actual ten flooding, vehicles also determined.  
**ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently abandoned. Zone AR includes the former flood control system as being retained to provide protection from the 1% annual chance or greater flood.  
**ZONE ARB** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevation determined.  
**ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevation determined.  
**ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevation determined.

**FLOODWAY AREAS IN ZONE AE**  
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.

**OTHER FLOOD AREAS**  
**ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with average areas less than 1 square mile, and areas protected by levees from 1% annual chance flood.  
**OTHER AREAS**  
**ZONE D** Areas determined to be outside the 0.2% annual chance floodplain.  
**ZONE G** Areas in which flood heights are undetermined, NA possible.

**COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**  
**OTHERWISE PROTECTED AREAS (OPAs)**  
 CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.  
 1% Annual Chance Floodplain Boundary  
 0.2% Annual Chance Floodplain Boundary  
 Floodway boundary  
 Zone D boundary  
 Zone G boundary  
 CBRS and OPA boundary  
 Boundary enclosing Special Flood Hazard Area Zones and boundary enclosing Special Flood Hazard Areas of different Base Flood Elevation, Flood depths, or Flood velocities.  
 Base Flood Elevation line and water elevation in feet  
 Base Flood Elevation value where uniform within zone; elevation in feet  
 (SL 98)

\*Referenced to the North American Vertical Datum of 1988

(A) (B) Cross section line  
 (A) (B) Truncated line  
 44° 02' 40" 93° 07' 30" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere  
 2000 meter Universal Transverse Mercator grid values, zone 15  
 (DASH) X Bench mark (see explanation in Notes to Users section of this FIRM panel)  
 R11.1 River file

**MAP REPOSITORIES**  
 Refer to Map Repositories list on Map Index  
**EFFECTIVE DATE OF COUNTY-WIDE FLOOD INSURANCE RATE MAP**  
 December 2, 2011  
**EFFECTIVE DATES OF REVISIONS TO THIS PANEL**

For community map revision history prior to community mapping, refer to the Community Map History Index located in the Flood Insurance Study Report for this jurisdiction.  
 To determine if flood insurance is available in this community, contact your insurance agent or visit the National Flood Insurance Program website at [www.fema.gov](http://www.fema.gov).

**MAP SCALE 1" = 1000'**  
 0 500 1000 2000 FEET  
 0 300 600 METERS

**NFIP** PANEL 0170C

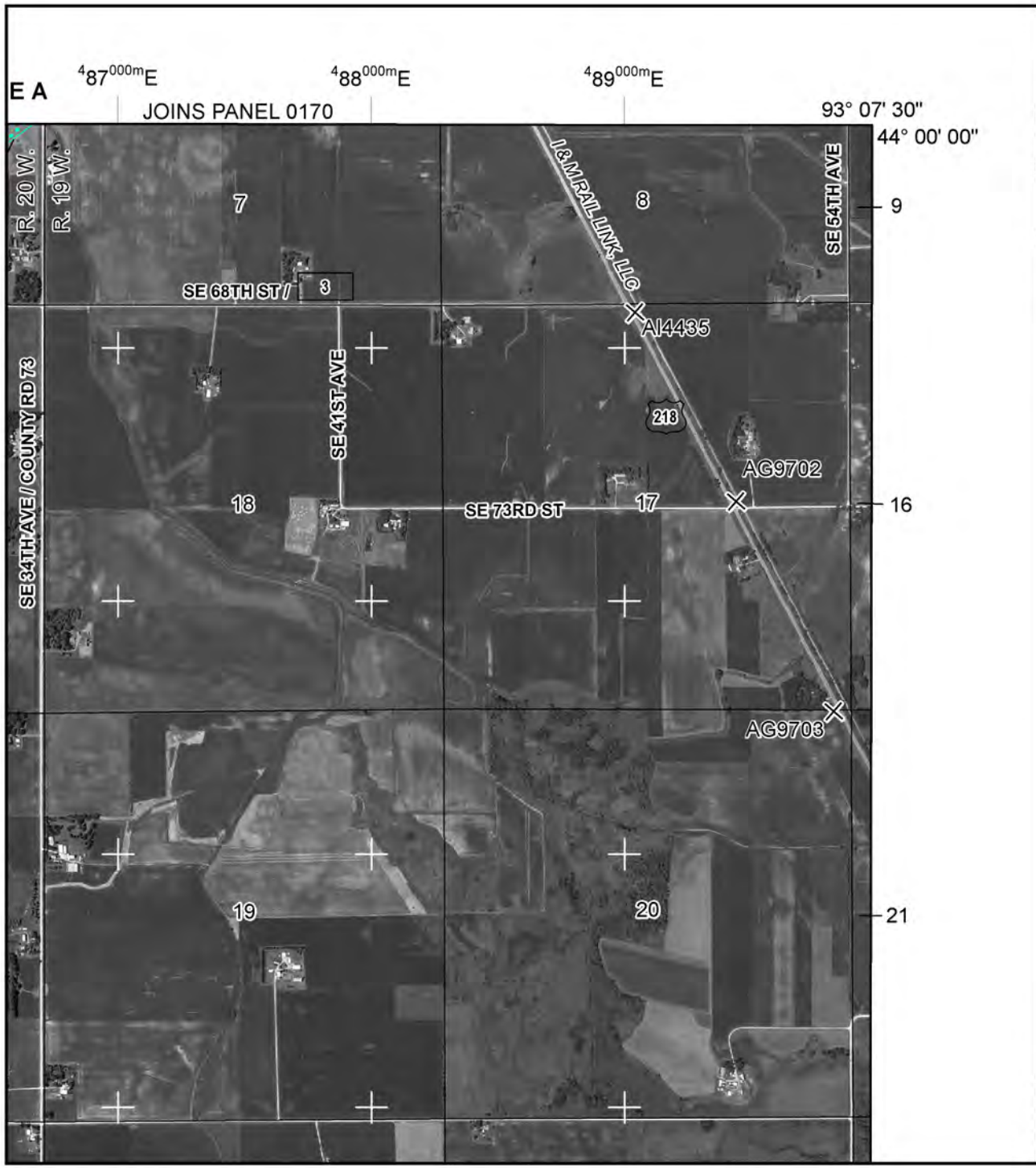
**FIRM**  
**FLOOD INSURANCE RATE MAP**  
**STEELE COUNTY,**  
**MINNESOTA**  
**AND INCORPORATED AREAS**

PANEL 170 OF 400  
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

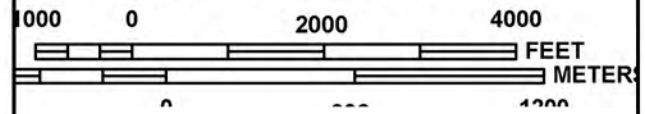
COMMUNITY:	STEELE COUNTY	SHEET:	0170C	DATE:	12/02/11
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Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

**MAP NUMBER**  
 27147C0170C  
**EFFECTIVE DATE**  
 DECEMBER 2, 2011  
 Federal Emergency Management Agency



MAP SCALE 1" = 2000'



NFP  
 NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0275C

**FIRM**  
 FLOOD INSURANCE RATE MAP  
 STEELE COUNTY,  
 MINNESOTA  
 AND INCORPORATED AREAS

**PANEL 275 OF 400**  
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
STEELE COUNTY	270635	0275	C

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



**MAP NUMBER**  
 27147C0275C  
**EFFECTIVE DATE**  
 DECEMBER 2, 2011

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

**NOTES TO USERS**

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To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **Footways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS Report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

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Boundaries of the **Footways** were computed at cross sections and interpolated between cross sections. The footways were based on hydraulic considerations with respect to requirements of the National Flood Insurance Program. Footway widths and other pertinent footway data are provided in the Flood Insurance Study Report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **Flood Control Structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study Report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 15. The horizontal datum was NAD 83 GRS 1987 spheroid. Differences in datum, spheroid, projection or UTM 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 this FIRM.

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NOAA, NINGS-12  
National Geodetic Survey  
SCMC-3 #9023  
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Silver Spring, Maryland 20910-3282  
(301) 713-3242

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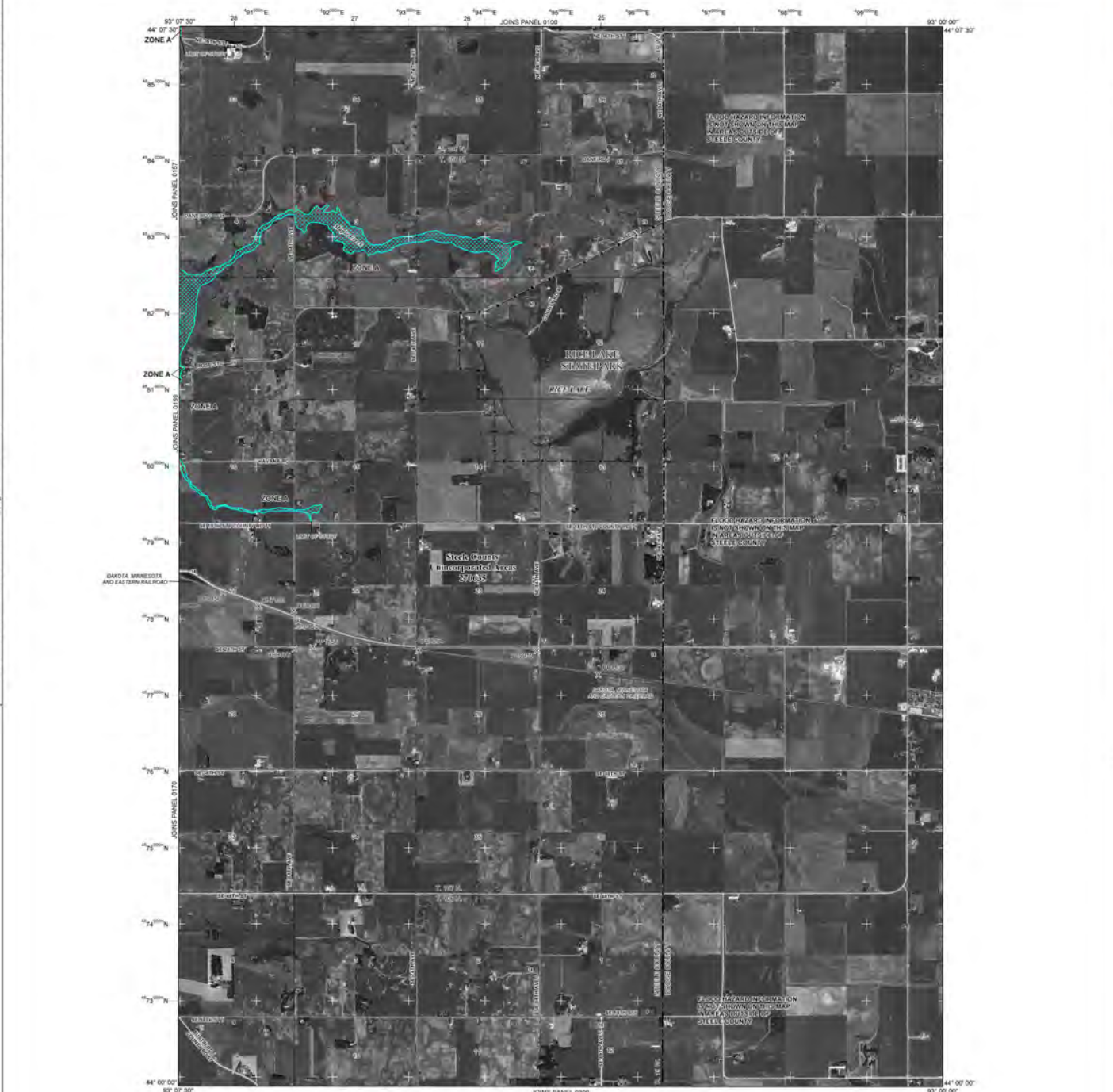
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**LEGEND**

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**ZONE A** No Base Flood Elevation determined.  
**ZONE AE** Base Flood Elevation determined.  
**ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevation determined.  
**ZONE AD** Flood depths of 1 to 3 feet (usually sheet flow or sloping terrain); average depths determined; For areas of arched ten footings, vehicles, and determined.  
**ZONE AR** Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently abandoned. Zone AR indicates that the former flood control system is being retained to provide protection from the 1% annual chance or greater flood.  
**ZONE AV** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; in Base Flood Elevation determined.  
**ZONE VE** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevation determined.  
**ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevation determined.

**FLOODWAY AREAS IN ZONE AE**  
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.

**OTHER FLOOD AREAS**  
**ZONE X** Areas of 0.2% annual chance flood; areas of 0.1% annual chance flood with average depths of less than 1 foot or with average areas less than 1 square mile, and areas protected by levees from the 1% annual chance flood.  
**OTHER AREAS**  
**ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.  
**ZONE D** Areas in which flood heights are unrepresented, NA possible.

**COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**  
**OTHERWISE PROTECTED AREAS (OPAs)**  
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 1% Annual Chance Floodplain Boundary  
 0.2% Annual Chance Floodplain Boundary  
 Floodway boundary  
 Zone D boundary  
 Zone A boundary  
 Boundary enclosing Special Flood Hazard Area Zones and boundary enclosing Special Flood Hazard Areas of different Base Flood Elevations, Flood depths, or Flood velocities.  
 Boundary enclosing Special Flood Hazard Area Zones and boundary enclosing Special Flood Hazard Areas of different Base Flood Elevations, Flood depths, or Flood velocities.  
 Base Flood Elevation line and water elevation in feet  
 Base Flood Elevation value where uniform within zone; elevation in feet  
 \*Referenced to the North American Vertical Datum of 1988

**OTHER FEATURES**  
 (A) - (B) Cross section line  
 Transact line  
 44° 02' 00" 93° 02' 00" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) (Water Elevations)  
 2000 meter Universal Transverse Mercator grid values, zone 15  
 (DASH) X Bench mark (see explanation in Notes to Users section of this FIRM)  
 River Mile  
 \*B11  
**MAP REPOSITORIES**  
 Refer to Map Repositories list on Map Index  
**EFFECTIVE DATE OF COUNTY-WIDE FLOOD INSURANCE RATE MAP**  
 December 2, 2011  
**EFFECTIVE DATES OF REVISIONS TO THIS PANEL**

For community map revision history prior to countywide mapping, refer to the Community Map History Index located in the Flood Insurance Study report for this jurisdiction.  
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**MAP SCALE 1" = 2000'**  
 0 400 800  
 0 200 400  
 0 200 400  
 FEET METERS

**NFIP**  
**NATIONAL FLOOD INSURANCE PROGRAM**

**PANEL 0200C**

**FIRM**  
**FLOOD INSURANCE RATE MAP**  
**STEELE COUNTY, MINNESOTA**  
**AND INCORPORATED AREAS**

**PANEL 200 OF 400**  
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

COMMUNITY: STEELE COUNTY  
 NUMBER: 200001  
 TRAIL: 1008  
 SHEET: 1008

Notice to User: The **Map Number** shown below should be used when plotting map orders, the **Community Number** shown above should be used on insurance applications for the subject community.

**MAP NUMBER**  
 27147C0200C  
**EFFECTIVE DATE**  
 DECEMBER 2, 2011  
 Federal Emergency Management Agency

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The **profile baselines** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the **profile baselines**, in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

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**LEGEND**

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**ZONE A** No Base Flood Elevation determination.  
**ZONE AE** Base Flood Elevation determination.  
**ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevation determined.  
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**FLOODWAY AREAS IN ZONE AE**  
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.

**OTHER FLOOD AREAS**  
**ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with average areas less than 1 square mile, and areas protected by levees from the 1% annual chance flood.  
**OTHER AREAS**  
**ZONE D** Areas determined to be outside the 0.2% annual chance floodplain.  
**ZONE G** Areas in which flood hazards are unrepresented, NA possible.

**COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**  
**OTHERWISE PROTECTED AREAS (OPAs)**  
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 1% Annual Chance Floodway Boundary  
 0.2% Annual Chance Floodway Boundary  
 Floodway boundary  
 Zone D boundary  
 CBRS and OPA boundary  
 Boundary enclosing Special Flood Hazard Area Zones and boundary enclosing Special Flood Hazard Areas of different Base Flood Elevation, Flood depths, or Flood velocities.  
 Boundary enclosing Special Flood Hazard Area Zones and boundary enclosing Special Flood Hazard Areas of different Base Flood Elevation, Flood depths, or Flood velocities.  
 Base Flood Elevation line and water elevation in feet  
 Base Flood Elevation value where uniform within zone; elevation in feet  
 (5.1) (5.1)

**References to the North American Vertical Datum of 1988**  
 (A) (A) Cross section line  
 (A) (A) Truncated line  
 (B) (B) Bench mark (See explanation in Notes to Users section of this FIRM panel)  
 (R) (R) River Mile

**MAP REPOSITORIES**  
 Refer to Map Repositories list on Map Index  
**EFFECTIVE DATE OF COUNTY-WIDE FLOOD INSURANCE RATE MAP**  
 December 2, 2011  
**EFFECTIVE DATES OF REVISIONS TO THIS PANEL**

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**MAP SCALE 1" = 2000'**  
 0 400 800 1200 FEET  
 0 400 800 1200 METERS

**NFIP NATIONAL FLOOD INSURANCE PROGRAM**

**PANEL 0300C**

**FIRM FLOOD INSURANCE RATE MAP STEELE COUNTY, MINNESOTA AND INCORPORATED AREAS**

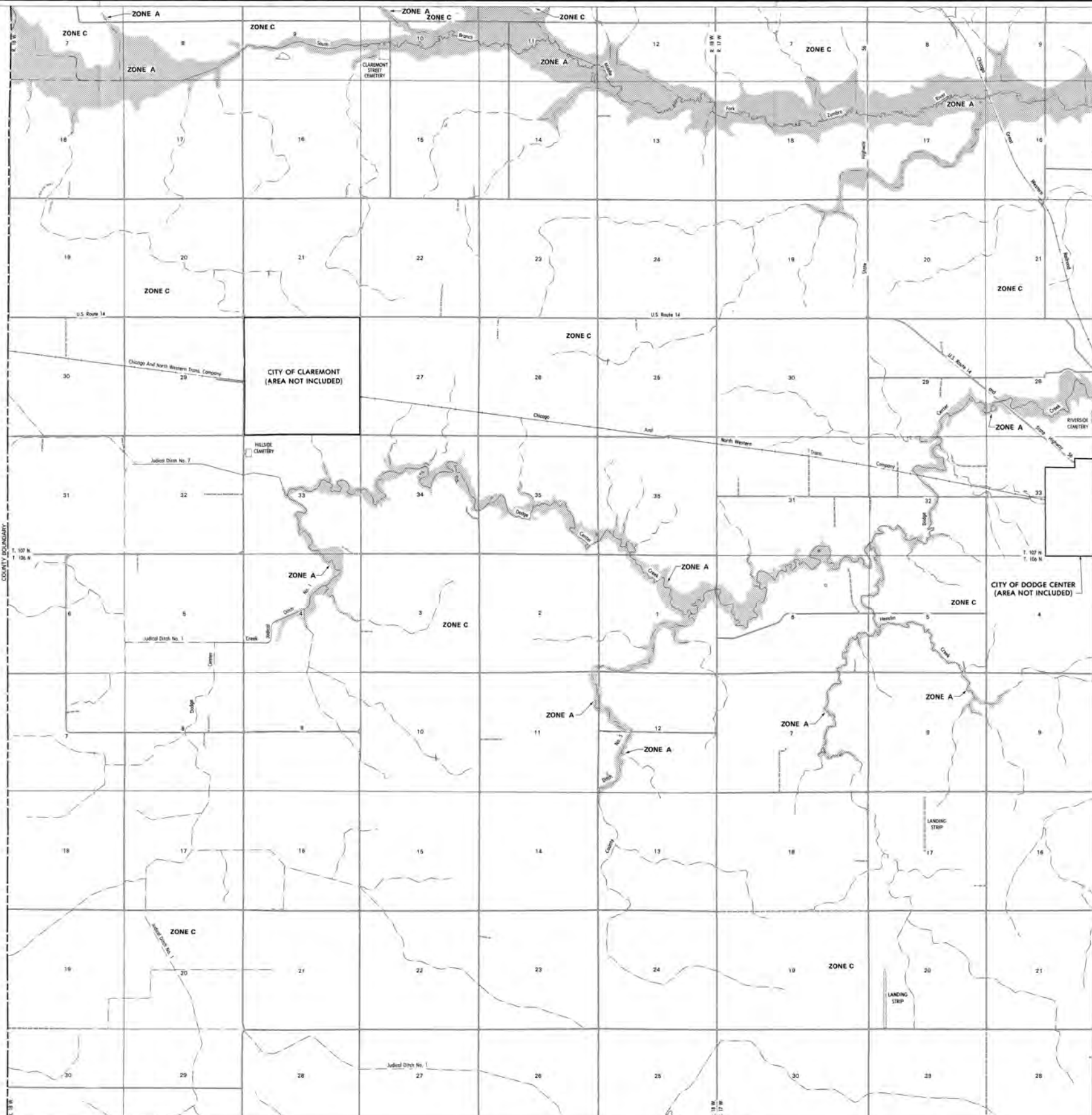
**PANEL 300 OF 400 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)**

COMMUNITY	COMMUNITY NUMBER	COMMUNITY DATE	STATUS
STEELE COUNTY	0300C	0300	C

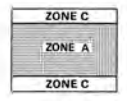
Notice to User: The **Map Number** shown below should be used when placing map orders. The **Community Number** shown above should be used on insurance applications for the subject community.

**MAP NUMBER 27147C0300C**  
**EFFECTIVE DATE DECEMBER 2, 2011**  
 Federal Emergency Management Agency

Dodge County



KEY TO SYMBOLS



Base Flood Elevation Line ——— 513  
 Base Flood Elevation (513' MSL)  
 Elevation Reference Mark RMD  
 River Mile — M1.5

\*EXPLANATION OF ZONE DESIGNATIONS

A flood insurance map displays the zone designations for a community according to areas of designated flood hazards. The zone designations are as follows:

Zone Symbol	Category
A	Area of special flood hazard (SFH) and without base flood elevation determined.
A1 through A30	Area of special flood hazard (SFH) with base flood elevation. Zones are assigned according to flood hazard factors, and date of SFH identification.
A0	Area of special flood hazard that has a base flood elevation (line area has not) and/or correction date that differs. Base flood elevations are not determined.
V	Area of special flood hazard, with velocity, that are considered to have flood. Zones are assigned according to flood hazard factors and date of SFH identification.
B	Area of moderate flood hazard.
C	Area of minor flood hazard.
D	Area of unincorporated, but possible, flood hazard.

To determine if flood insurance is available in this community, contact your insurance agent, or call the National Flood Insurance Program, at (800) 438-6620.

INITIAL IDENTIFICATION  
 MARCH 11, 1977  
 CONVERSION TO REGULAR PROGRAM  
 APRIL 16, 1978 WITHOUT A MAP

FLOOD INSURANCE RATE MAP EFFECTIVE  
 SEPTEMBER 24, 1982

Refer to the FLOOD INSURANCE RATE MAP EFFECTIVE date shown on this map to determine when actuarial rates apply to structures in the zones where elevations or depths have been established.



APPROXIMATE SCALE  
 0 1000 2000 FEET

NATIONAL FLOOD INSURANCE PROGRAM

**FIRM**  
 FLOOD INSURANCE RATE MAP

**DODGE COUNTY, MINNESOTA**  
 UNINCORPORATED AREA

PANEL 75 OF 150  
 (SEE MAP INDEX FOR PANELS NOT PRINTED)

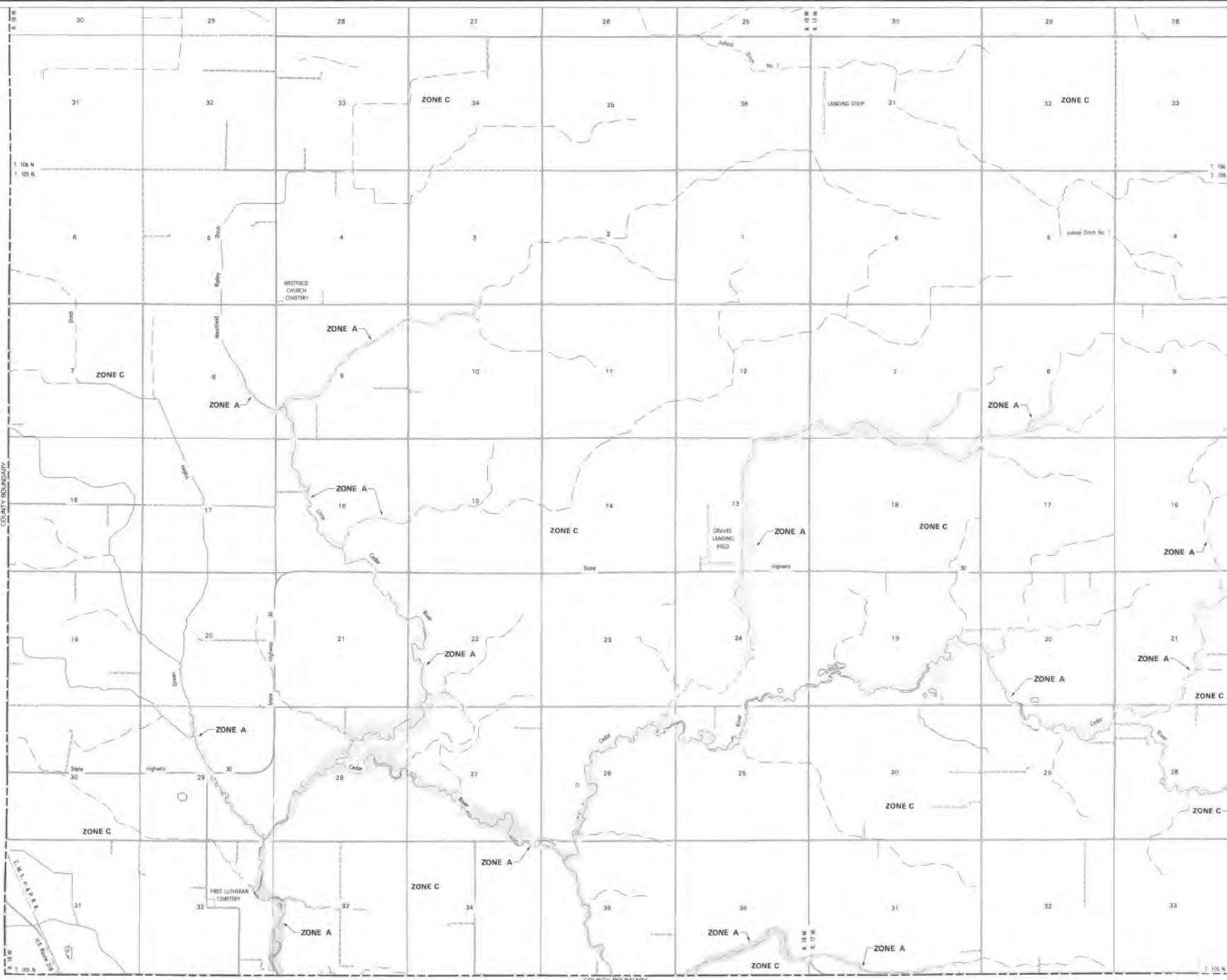
COMMUNITY-PANEL NUMBER  
 270548 0075 B

EFFECTIVE DATE:  
 SEPTEMBER 24, 1982

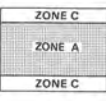


Federal Emergency Management Agency





KEY TO SYMBOLS



Base Flood Elevation Line  $\sim$  -512-  
 Base Flood Elevation (512' MSL)  
 Elevation Reference Mark RM  
 Flood Mile M1.5

**\*EXPLANATION OF ZONE DESIGNATIONS**  
 A flood insurance map displays the zone designations for communities according to areas of designated flood hazard. The zone designations used by FEMA are:  
 Zone Symbol: Designation  
 A Area of special flood hazard (SFH) and without base flood elevation determined.  
 A1 through A30 Area of special flood hazard (SFH) with base flood elevations. Zones are assigned according to flood hazard factors, and dates of SFH identification.  
 A0 Area of special flood hazard that have shallow flood depths. They have base flood elevations and flood hazard factors, but dates of SFH identification are not determined.  
 V Area of special flood hazard, with velocities, that are characterized by wave floods. Zones are assigned according to flood hazard factors and dates of SFH identification.  
 B Area of moderate flood hazard.  
 C Area of minimal flood hazard.  
 D Area of unmitigated, but avoidable, flood hazards.

To determine if flood insurance is available in this community, contact your insurance agent, or call the National Flood Insurance Program, at (800) 638-6629.

INITIAL IDENTIFICATION  
 MARCH 11, 1977  
 CONVERSION TO REGULAR PROGRAM  
 APRIL 15, 1979 (WITHOUT A MAP)

FLOOD INSURANCE RATE MAP EFFECTIVE  
 SEPTEMBER 24, 1982

Refer to the FLOOD INSURANCE RATE MAP EFFECTIVE date shown on this map to determine what actuarial rates apply to structures in the zones, where elevations or depths have been established.



APPROXIMATE SCALE  
 0 500 1000 FEET

NATIONAL FLOOD INSURANCE PROGRAM

**FIRM**  
 FLOOD INSURANCE RATE MAP

**DODGE COUNTY, MINNESOTA**  
 UNINCORPORATED AREA

PANEL 125 OF 150  
 (ALL MAPS AND A-F-PAGES WERE PRINTED)

COMMUNITY-PANEL NUMBER  
 270548 0125 B

EFFECTIVE DATE:  
 SEPTEMBER 24, 1982



Federal Emergency Management Agency