



* PANEL NOT PRINTED
** NO SPECIAL FLOOD HAZARD AREAS IDENTIFIED

(Maps available for reference only, not for distribution.)

MAHTOMEDI, CITY OF:
City Hall
600 Stillwater Road
Mahtomedi, Minnesota 55115

MARINE ON ST. CROIX, CITY OF:
City Hall
121 Judd Street
Marine on St. Croix, Minnesota 55047

NEWPORT, CITY OF:
City Office
596 Seventh Avenue
Newport, Minnesota 55055

OAK PARK HEIGHTS, CITY OF:
City Hall
14168 Oak Park Boulevard North
Oak Park Heights, Minnesota 55082

OAKDALE, CITY OF:
City Hall
1584 Hadley Avenue North
Oakdale, Minnesota 55128

PINE SPRINGS, CITY OF:
City Hall
6145 Warner Road South
Pine Springs, Minnesota 55115

SCANDIA, CITY OF:
Community and Senior Center
14727 209th Street North
Scandia, Minnesota 55073

ST. MARY'S POINT, CITY OF:
City Hall
16491 St. Mary's Drive South
St. Mary's Point, Minnesota 55043

ST. PAUL PARK, CITY OF:
City Hall
600 Portland Avenue
St. Paul Park, Minnesota 55071

STILLWATER, CITY OF:
City Hall
216 Fourth Street North
Stillwater, Minnesota 55082-4087

**WASHINGTON COUNTY
(UNINCORPORATED AREAS):**
County Government Center
14949 62nd Street North
Stillwater, Minnesota 55082

WHITE BEAR LAKE, CITY OF:
City Hall
4701 Highway 61

Willernie, Minnesota 55110

WILLERNIE, CITY OF:
City Hall
111 Wildwood Road
Willernie, Minnesota 55090

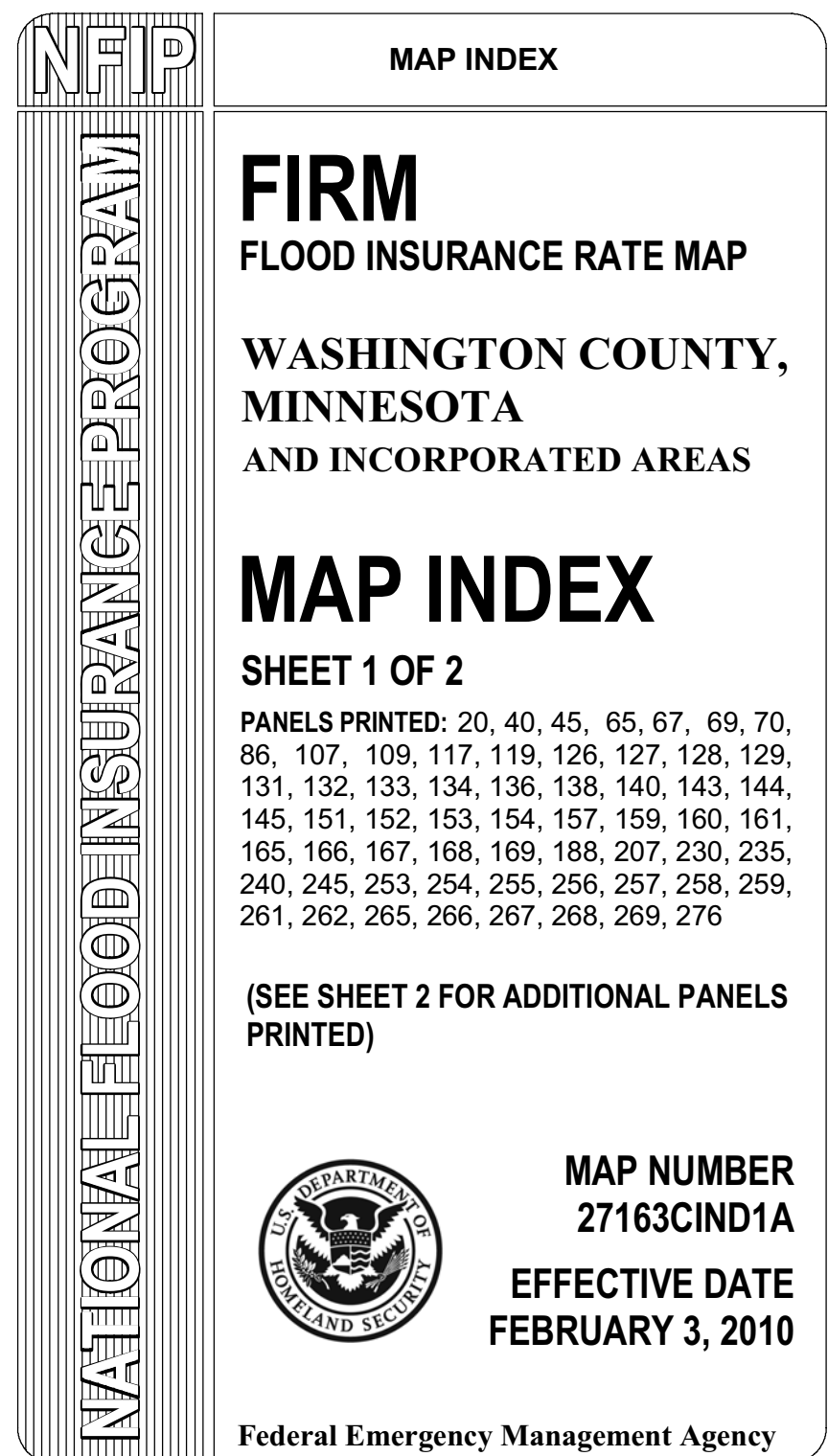
WOODBURY, CITY OF:
City Hall
8301 Valley Creek Road
Woodbury, Minnesota 55125

COMMUNITY NAME	COMMUNITY NUMBER	LOCATED ON PANEL(S)	INITIAL NFIP MAP DATE	INITIAL FIRM DATE	MOST RECENT FIRM PANEL DATE
AFTON, CITY OF	275226	0354, 0355, 0358, 0361, 0362, 0365, 0366, 0367, 0368, 0369, 0430, 0431, 0432	APRIL 20, 1972	APRIL 21, 1972	FEBRUARY 3, 2010
BAYBORTH, CITY OF	275229	0268, 0269, 0356, 0357	MAY 13, 1972	MAY 12, 1972	FEBRUARY 3, 2010
BIRCHWOOD VILLAGE, CITY OF	270720	0230, 0240	FEBRUARY 3, 2010	FEBRUARY 3, 2010	FEBRUARY 3, 2010
COTTAGE GROVE, CITY OF	270502	0392, 0394, 0403, 0405, 0410, 0411, 0412, 0413, 0414, 0416, 0418, 0419, 0430, 438, 0440	APRIL 12, 1974	APR 30, 1976	FEBRUARY 3, 2010
DELLWOOD, CITY OF	270684	0220	JULY 15, 1977	FEBRUARY 3, 2010	FEBRUARY 3, 2010
FOREST LAKE, CITY OF	270693	0020, 0040, 0045, 0107, 0108, 0126, 0127, 0128, 0129, 0131, 0132, 0133, 0134	DECEMBER 16, 1977	FEBRUARY 3, 2010	FEBRUARY 3, 2010
GRANT, CITY OF	270780	0230, 0235, 0240, 0245, 0253, 0255, 0261	FEBRUARY 3, 2010	FEBRUARY 3, 2010	FEBRUARY 3, 2010
HASTINGS, CITY OF	270105	0438, 0451	NOVEMBER 16, 1973	JULY 16, 1980	FEBRUARY 3, 2010
HUGO, CITY OF	270504	0109, 0117, 0119, 0128, 0129, 0133, 0134, 0136, 0138, 0140, 0143, 0144, 0145, 0207, 0230, 0235	MAY 17, 1974	SEPTEMBER 29, 1978	FEBRUARY 3, 2010
LAKE ELMO, CITY OF	270505	0240, 0245, 0261, 0265, 0329, 0330, 0331, 0332, 0333, 0335, 0355	MAY 17, 1974	JULY 2, 1979	FEBRUARY 3, 2010
LAKE ST. CROIX BEACH, CITY OF	275240	0367	FEBRUARY 19, 1972	FEBRUARY 19, 1972	FEBRUARY 3, 2010
LAKELAND, CITY OF	275238	0356, 0357, 0358, 0359, 0366, 0367	FEBRUARY 3, 1972	FEBRUARY 3, 1972	FEBRUARY 3, 2010
LAKELAND FORES, CITY OF	270523	0359	APRIL 28, 1972	APRIL 28, 1972	FEBRUARY 3, 2010
LANDFALL, CITY OF	270029	0230	FEBRUARY 3, 2010	FEBRUARY 3, 2010	FEBRUARY 3, 2010
MAHTOMEDI, CITY OF	270698	0230, 0240	JUNE 24, 1977	FEBRUARY 3, 2010	FEBRUARY 3, 2010
MARINE ON ST. CROIX, CITY OF	270509	0159, 0160, 0166, 0167	MARCH 15, 1975	SEPTEMBER 27, 1985	FEBRUARY 3, 2010
NEWPORT, CITY OF	270510	0319, 0340, 0382, 0405	MARCH 22, 1974	JULY 2, 1980	FEBRUARY 3, 2010
OAK PARK HEIGHTS, CITY OF	270512	0261, 0262, 0265, 0266, 0267, 0268, 0269	MARCH 22, 1974	APRIL 1, 1982	FEBRUARY 3, 2010
OKDALE, CITY OF	270511	0240, 0329, 0330, 0335	MAY 24, 1974	FEBRUARY 3, 2010	FEBRUARY 3, 2010
PINE SPRINGS, CITY OF	270697	0240	JULY 22, 1977	FEBRUARY 3, 2010	FEBRUARY 3, 2010
SCANDIA, CITY OF	270582	0045, 0065, 0067, 0069, 0070, 0086, 0132, 0134, 0151, 0152, 0153, 0154, 0157, 0159, 0160	MAY 17, 1982	MAY 17, 1982	FEBRUARY 3, 2010
ST. MARY'S POINT, CITY OF	270544	0267, 0359	FEBRUARY 25, 1972	FEBRUARY 25, 1972	FEBRUARY 3, 2010
ST. PAUL PARK, CITY OF	270514	0382, 0384, 0403, 0405	MARCH 29, 1974	JUNE 18, 1980	FEBRUARY 3, 2010
STILLWATER, CITY OF	275249	0253, 0254, 0258, 0261, 0262, 0266	MARCH 16, 1973	MARCH 16, 1973	FEBRUARY 3, 2010
	270499	0134, 0144, 0145, 0153, 0154, 0160, 0161, 0165, 0166, 0167, 0168, 0169, 0188, 0235, 0253, 0254, 0255, 0256, 0257, 0258, 0259, 0261, 0262, 0265, 0266, 0269, 0276, 0354, 0355, 0356, 0357, 0358, 0359, 0367, 0382, 0384, 0392, 0403, 0411, 0419, 0430, 0431, 0432, 0433, 0434, 0438, 0439, 0440, 0441, 0443, 0451, 0452, 0456	JUNE 3, 1977	MAY 17, 1982	FEBRUARY 3, 2010
WASHINGTON COUNTY					
** WHITE BEAR LAKE, CITY OF	270386	0240	JUNE 7, 1974	SEPTEMBER 4, 1987	FEBRUARY 3, 2010
** WILLERIE, CITY OF	270695	0240	FEBRUARY 3, 2010	FEBRUARY 3, 2010	FEBRUARY 3, 2010
WOODBURY, CITY OF	270699	0330, 0335, 0340, 0345, 0355, 0361, 0365, 0405, 0410, 0430	FEBRUARY 3, 2010	FEBRUARY 3, 2010	FEBRUARY 3, 2010

Future revisions to this FIRM Index will only be issued to communities that are located on FIRM panels being revised. This FIRM Index therefore remains valid for FIRM panels dated February 3, 2010, or earlier. Please refer to the "MOST RECENT FIRM PANEL DATE" column in the [LISTING OF COMMUNITIES](#) table to determine the most recent FIRM Index date for each community

This FIRM Index displays the map date for each FIRM panel at the time that this Index was printed. Because this Index may not be distributed to unaffected communities in subsequent revisions, users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center website at <http://msc.fema.gov>, or by calling the Map Service Center at 1-800-358-9616.

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



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 hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** 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, GRS80 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:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3191

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 obtained from the Minnesota Land Management Information Center (LMIC). The orthophotos have a resolution of one meter and are dated 2008.

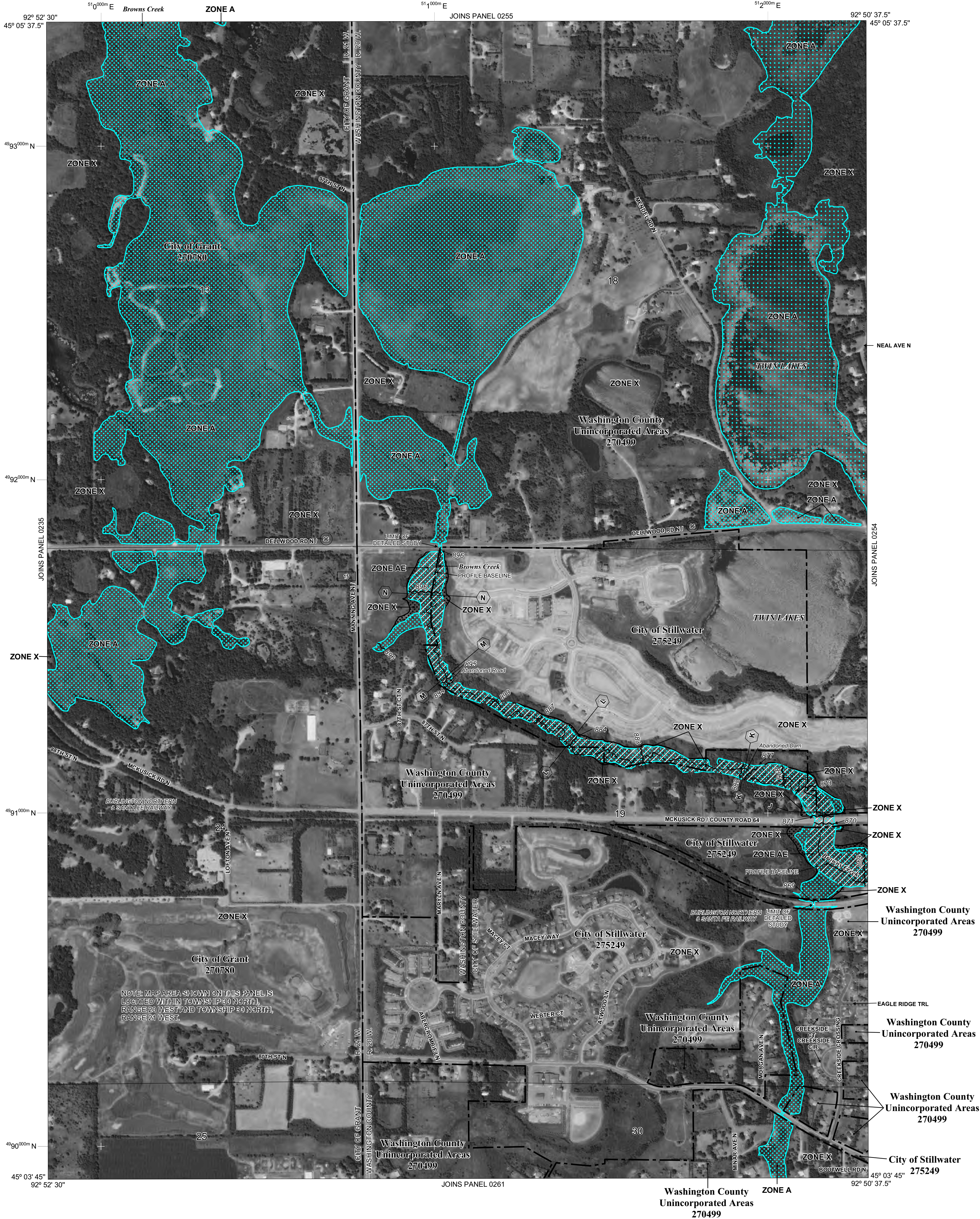
The **profile baselines** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the **profile baseline**, in some cases, may deviate significantly from the channel centerline or appear outside the Special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

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after 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.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at <http://www.msc.fema.gov>.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/nfp>.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base 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 Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AR** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently dewatered. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE V** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations 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 drainage areas less than 1 square mile; and areas protected by levees from 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 hazards are undetermined, but 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
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*

- *Referenced to the North American Vertical Datum of 1988
- Transsect line
- Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 1000-meter Universal Transverse Mercator grid values, zone 15
- Bench mark (see explanation in Notes to Users section of this FIRM panel)
- River Mile

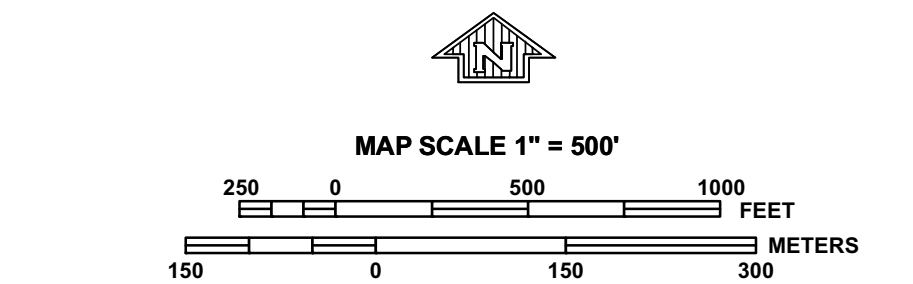
MAP REPOSITORIES
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
FEBRUARY 3, 2010

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table 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 call the National Flood Insurance Program at 1-800-638-6620.



NATIONAL FLOOD INSURANCE PROGRAM

FIRM

PANEL 0253E

FIRM

FLOOD INSURANCE RATE MAP

WASHINGTON COUNTY, MINNESOTA AND INCORPORATED AREAS

PANEL 253 OF 456

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
GRANT, CITY OF	270780	0253	E
STILLWATER, CITY OF	275249	0253	E
WASHINGTON COUNTY	270499	0253	E

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

27163C0253E

EFFECTIVE DATE

FEBRUARY 3, 2010

Federal Emergency Management Agency

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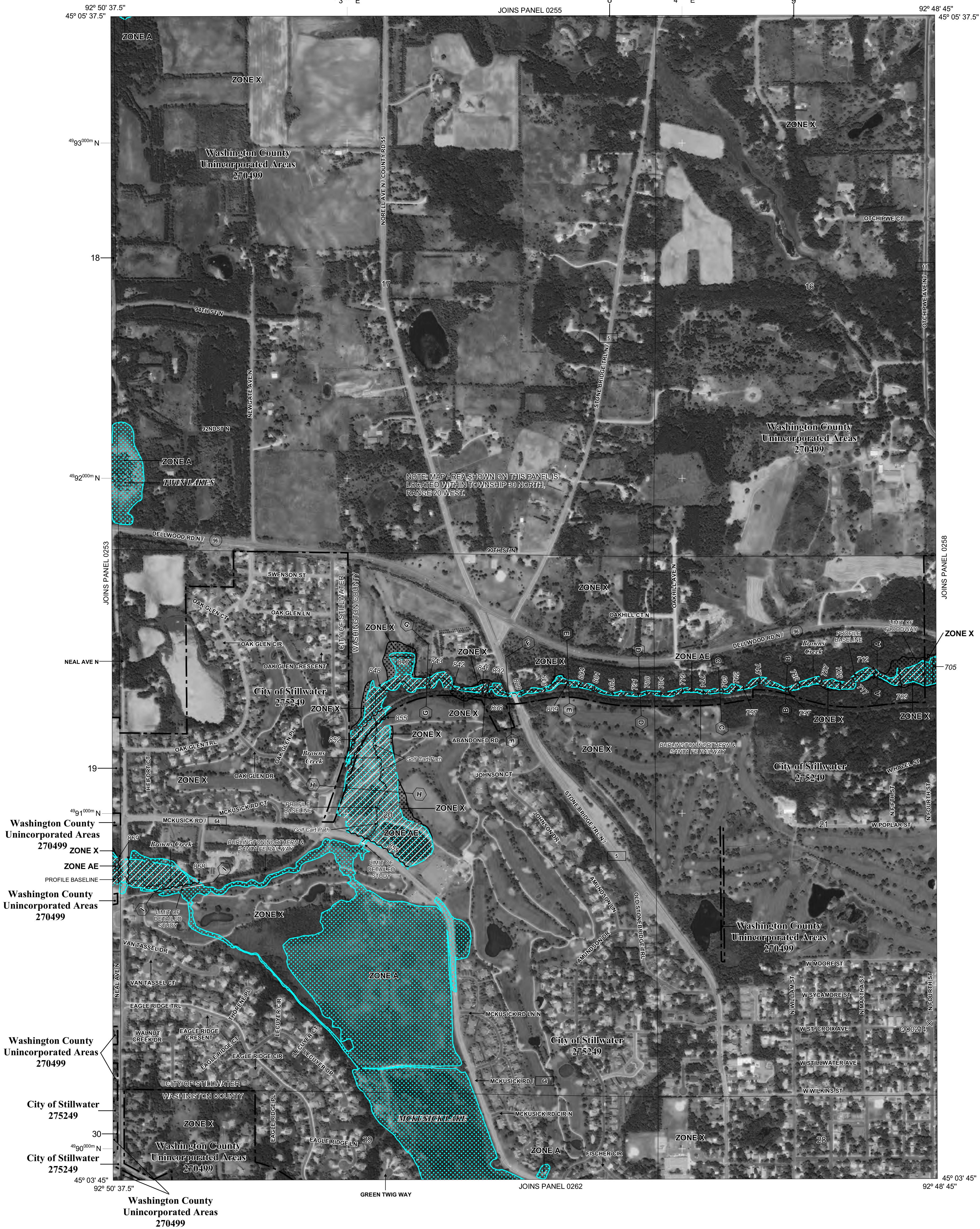
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ZONE VE Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
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1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
Base Flood Elevation line and value; elevation in feet*
Base Flood Elevation value where uniform within zone; elevation in feet*
(EL 987)

*Referenced to the North American Vertical Datum of 1988

MAP REPOSITORIES
Refer to listing of Map Repositories on Map Index
EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
FEBRUARY 3, 2010
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

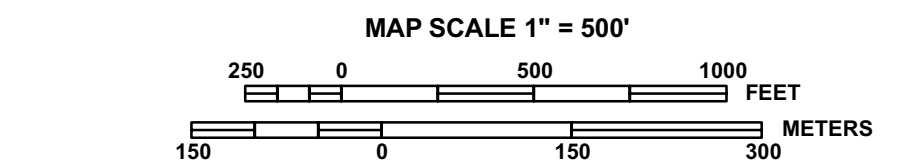
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FEBRUARY 3, 2010

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NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0254E
FIRM
FLOOD INSURANCE RATE MAP
WASHINGTON COUNTY, MINNESOTA AND INCORPORATED AREAS
PANEL 254 OF 456
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
STILLWATER, CITY OF	275249	0254	E
WASHINGTON COUNTY	270499	0254	E

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27163C0254E
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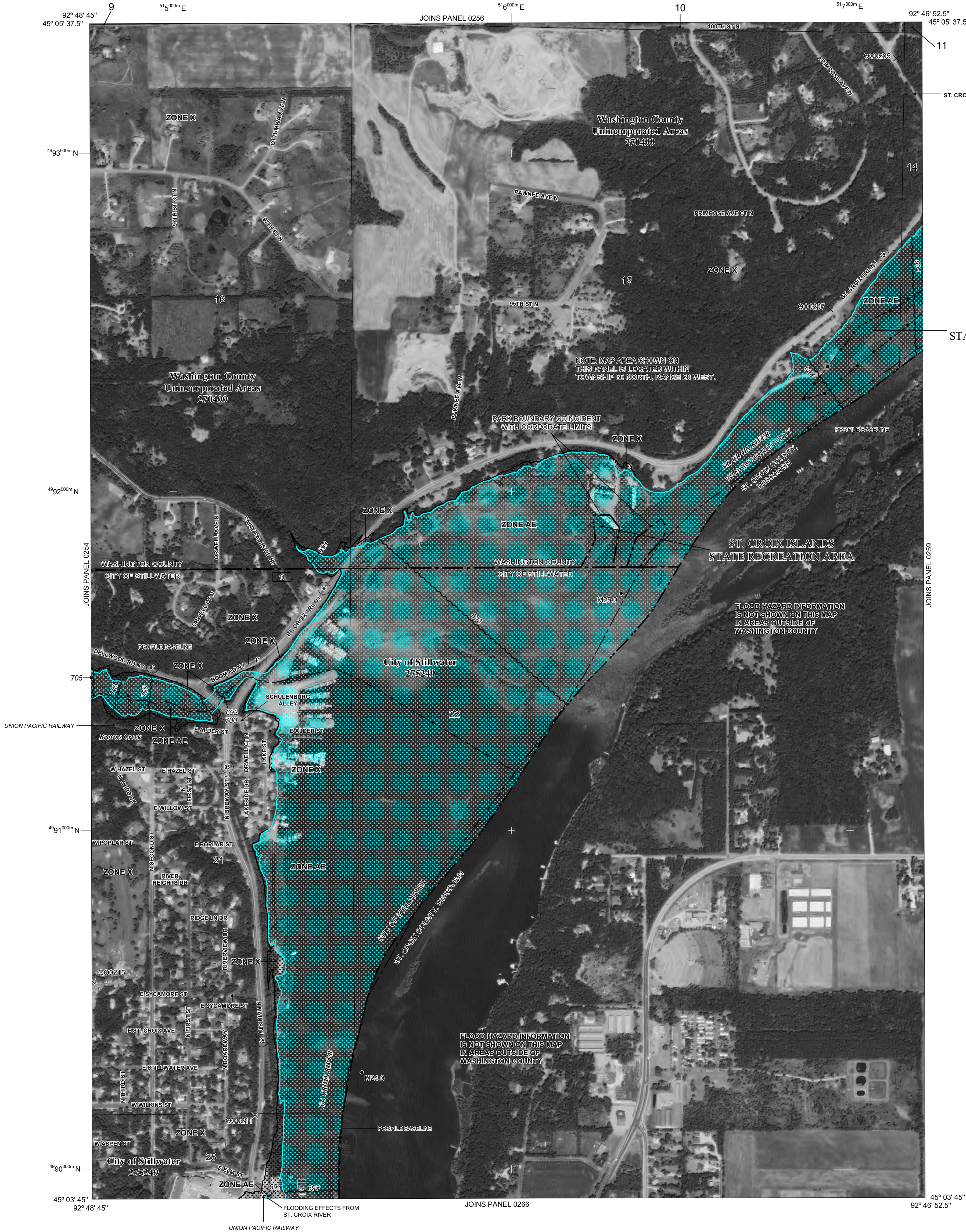
The **profile baselines** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the **profile baseline**, in some cases, may deviate significantly from the channel centerline or appear outside the Special Flood Hazard Area.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after 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.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at <http://www.nsc.fema.gov>.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/nfp>.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base 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 Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.
ZONE AE Base Flood Elevations determined.
ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations 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 drainage areas less than 1 square mile; and areas protected by levees from 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 hazards are undetermined, but 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
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
Base Flood Elevation line and value; elevation in feet*
Base Flood Elevation value where uniform within zone; elevation in feet*
(EL 987)

*Referenced to the North American Vertical Datum of 1988

Transsect line
Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
1000-meter Universal Transverse Mercator grid values, zone 15
Bench mark (see explanation in Notes to Users section of this FIRM panel)
River Mile

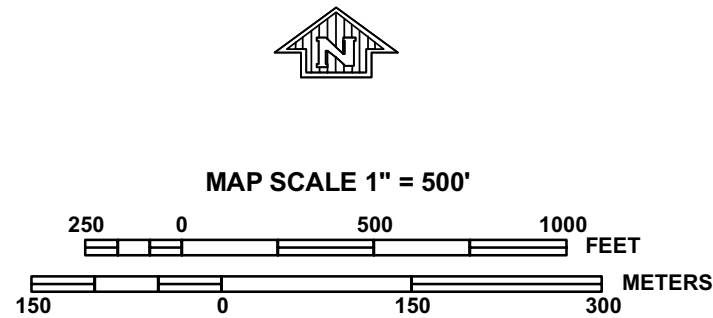
MAP REPOSITORIES
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
FEBRUARY 3, 2010

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table 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 call the National Flood Insurance Program at 1-800-638-6620.



NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0258E
FIRM
FLOOD INSURANCE RATE MAP
WASHINGTON COUNTY, MINNESOTA AND INCORPORATED AREAS
PANEL 258 OF 456
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
STILLWATER, CITY OF	275249	0258	E
WASHINGTON COUNTY	270499	0258	E

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
27163C0258E
EFFECTIVE DATE
FEBRUARY 3, 2010
Federal Emergency Management Agency

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 hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **floodways** 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, GRS80 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:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3191

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 obtained from the Minnesota Land Management Information Center (LMIC). The orthophotos have a resolution of one meter and are dated 2008.

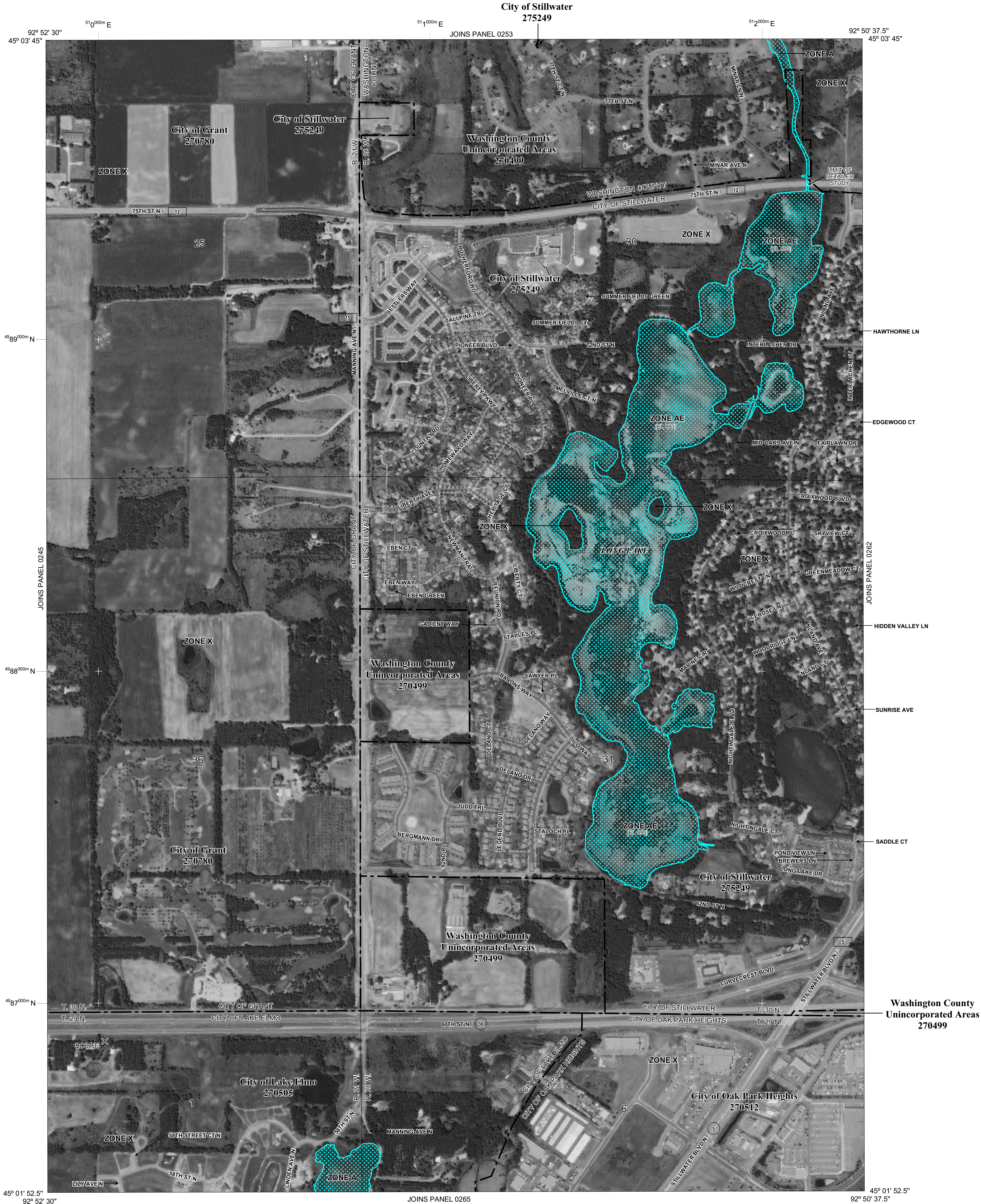
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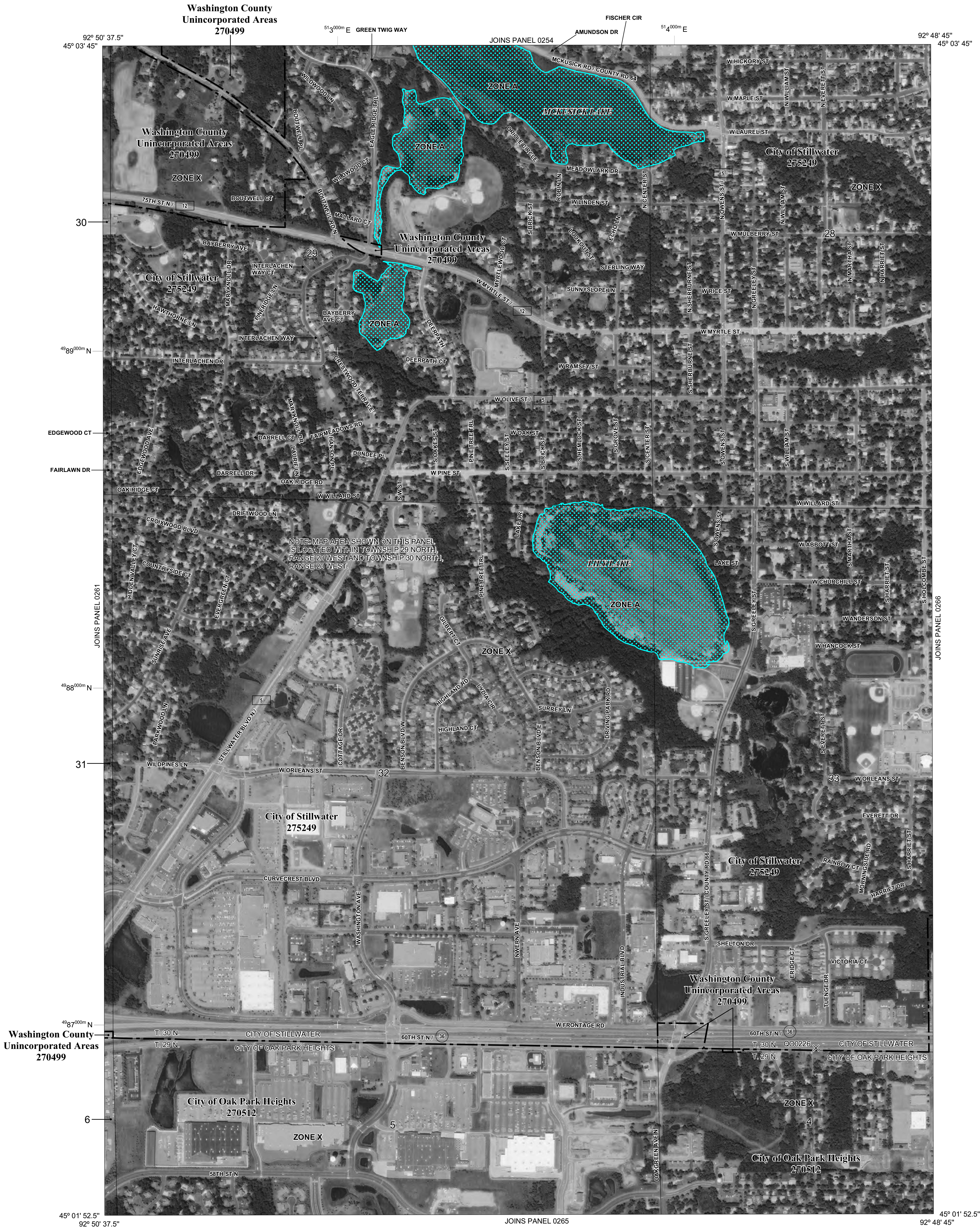
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LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base 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 Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations 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 drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

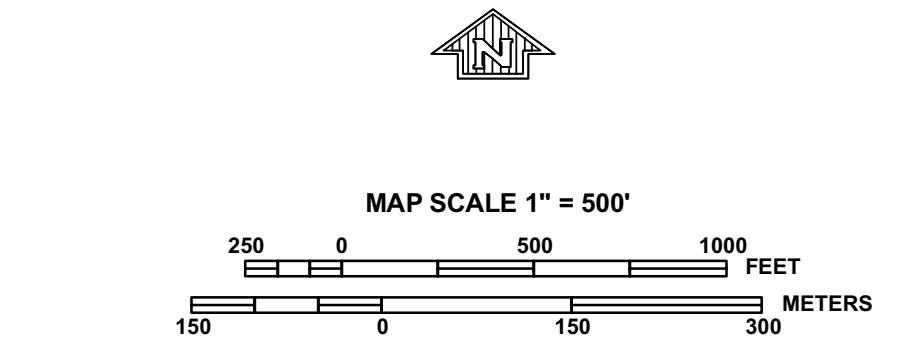
CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*

- *Referenced to the North American Vertical Datum of 1988
- Cross section line
- Transect line
- 45° 02' 08", 93° 02' 12" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 1000-meter Universal Transverse Mercator grid values, zone 15
- Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 River Mile

MAP REPOSITORIES
Refer to listing of Map Repositories on Map Index
EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
FEBRUARY 3, 2010
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table 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 call the National Flood Insurance Program at 1-800-638-6620.



NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0262E

FIRM

FLOOD INSURANCE RATE MAP

WASHINGTON COUNTY, MINNESOTA AND INCORPORATED AREAS

PANEL 262 OF 456

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
OAK PARK HEIGHTS, CITY OF	270512	0262	E
STILLWATER, CITY OF	275249	0262	E
WASHINGTON COUNTY	270499	0262	E

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

27163C0262E

EFFECTIVE DATE

FEBRUARY 3, 2010

Federal Emergency Management Agency

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Coastal Base Flood Elevations shown on this map apply only landward of 0.01 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, GRS80 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:

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Silver Spring, Maryland 20910
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 SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

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ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that has subsequently determined to be inoperable. AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal Flood Protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations 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.

 FLOOD HAZARD AREAS
 OTHER FLOOD AREAS
 FLOOD HAZARD BOUNDARY

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 drainage areas less than 1 square mile; and areas protected by levees from 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 hazards are undetermined, but 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

CBRS and OPA boundary

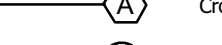
Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; elevation in feet*

(EL 987)

*Referenced to the North American Vertical Datum of 1988



 Cross section line

 Transect line

45° 02' 08" 93° 02' 12"

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

 1000-meter Universal Transverse Mercator grid values, zone 15

Benchmark (see explanation in Notes to Users section of this FIRM panel)

 M1.5

River Mile

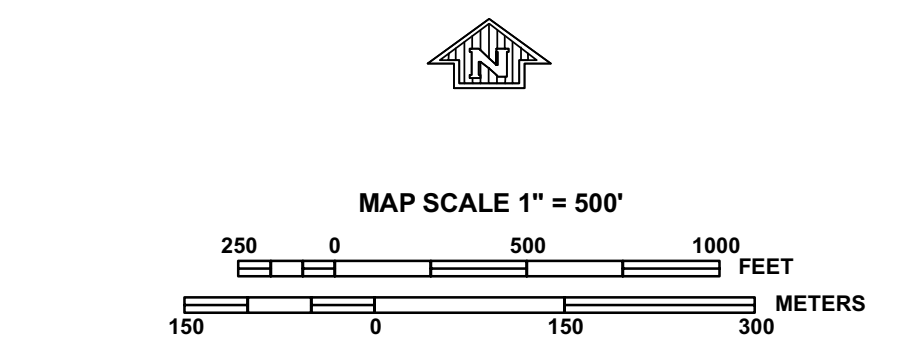
MAP REPOSITORIES
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
FEBRUARY 3, 2010

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

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NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0266E

FIRM

FLOOD INSURANCE RATE MAP

WASHINGTON COUNTY, MINNESOTA AND INCORPORATED AREAS

PANEL 266 OF 456

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

<u>CONTAINS:</u>	<u>NUMBER</u>	<u>PANEL</u>	<u>SUFFIX</u>
COMMUNITY			
OAK PARK HEIGHTS,	270512	0266	E
CITY OF STILLWATER, CITY OF	275249	0266	E

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MAP NUMBER
27163C0266E

EFFECTIVE DATE
FEBRUARY 3, 2010

Federal Emergency Management Agency