## 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 18. The horizontal datum was NAD 83, GRS 1980 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, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

**Base map** information shown on this FIRM was derived from multiple sources, including the New York State Office of Cyber Security & Critical Infrastructure Coordination, and the USDA's Farm Service Agency, Aerial Photography Field Office, dated 2015.

This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to confirm to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

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 ccurred 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 <u>http://msc.fema.gov</u>. 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 (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.

**BILLINGTON RI** 

COLONY CT

42° 46' 52.5"

<sup>47</sup>43<sup>000m</sup>N

<sup>47</sup>44<sup>000m</sup>N

78° 37' 30"



78° 37' 30"

ZONE A

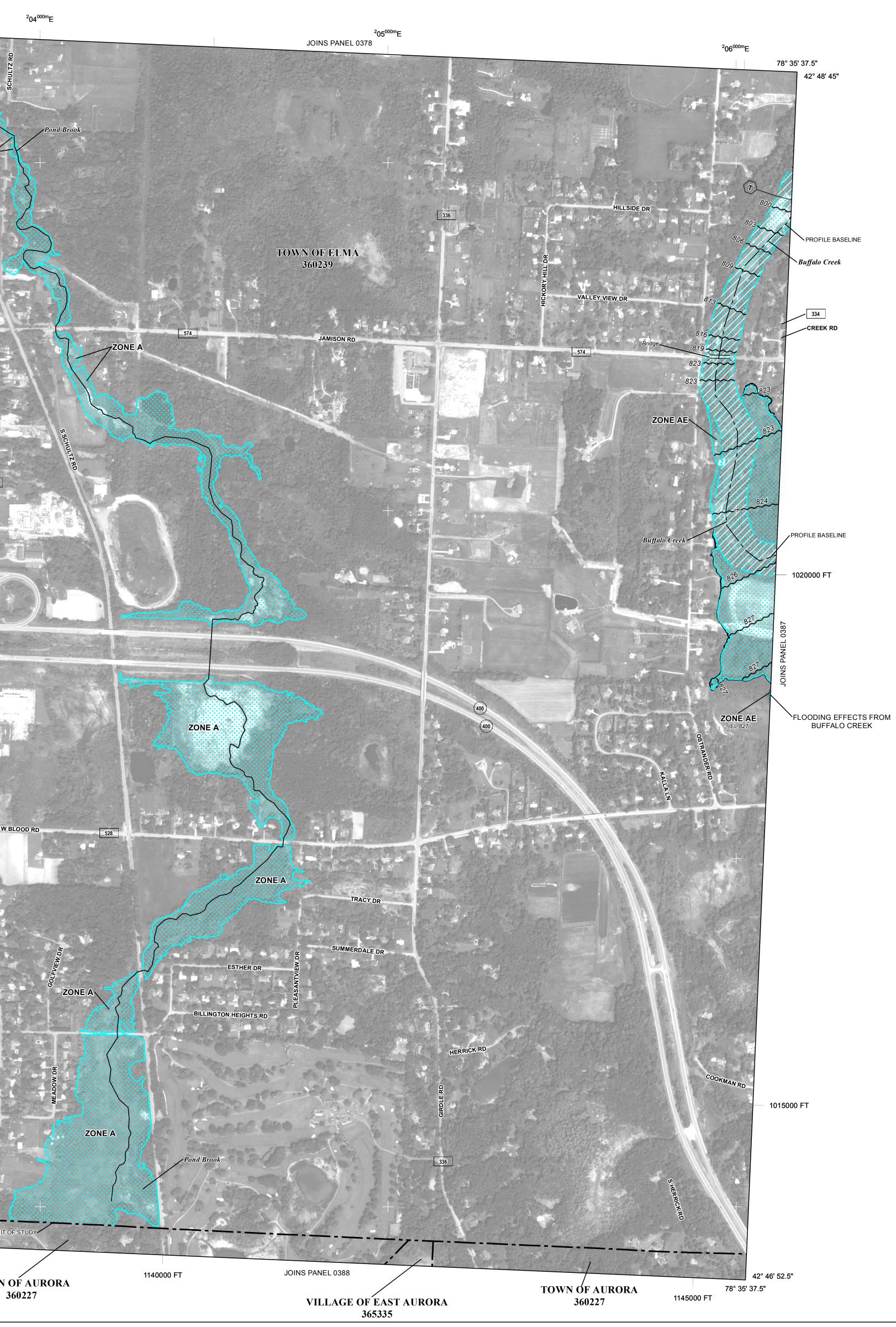
ZONE A

42° 48' 45"

<sup>47</sup>46<sup>000m</sup>N

<sup>47</sup>45<sup>000m</sup>N

V MAPLE



	LEGEND
	SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO
	al chance flood (100-year flood), also known as the base flood, is the flood that has of being equaled or exceeded in any given year. The Special Flood Hazard Area is
the area subje include Zones	ect to flooding by the 1% annual chance flood. Areas of Special Flood Hazard A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface
elevation of th <b>ZONE A</b>	e 1% annual chance flood. 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 of greater hood. protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations
ZONE VE	determined. Coastal flood zone with velocity hazard (wave action); Base Flood Elevations
	determined.
	FLOODWAY AREAS IN ZONE AE
encroachment	is the channel of a stream plus any adjacent floodplain areas that must be kept free of to 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
	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.
$\square$	COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS
	OTHERWISE PROTECTED AREAS (OPAs)
CBRS areas ar	nd OPAs are normally located within or adjacent to Special Flood Hazard Areas.
	1% Annual Chance Floodplain Boundary
	0.2% Annual Chance Floodplain Boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations
	flood depths, or flood velocities.
EL 987 ،	
,	' feet*
	o the North American Vertical Datum of 1988
	A Cross section line
(23)	Culvert
	Bridge
45° 02' 08",	
	93° 02' 12" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere
3100000	FT5000-foot ticks: New York State Plane West Zone
3100000 <sup>49</sup> 89 <sup>000m</sup> N	FT   5000-foot ticks: New York State Plane West Zone (FIPS Zone 3103), Transverse Mercator projection
	FT   1983 (NAD 83) Western Hemisphere     FT   5000-foot ticks: New York State Plane West Zone (FIPS Zone 3103), Transverse Mercator projection     N   1000-meter Universal Transverse Mercator grid values, zone 18     Sench mark (see explanation in Notes to Users section of this FIRM
<sup>49</sup> 89 <sup>000m</sup> №	FT   1983 (NAD 83) Western Hemisphere     FT   5000-foot ticks: New York State Plane West Zone (FIPS Zone 3103), Transverse Mercator projection     N   1000-meter Universal Transverse Mercator grid values, zone 18     Bench mark (see explanation in Notes to Users section of this ETRM
<sup>49</sup> 89 <sup>000m</sup> № DX5510	FT   1983 (NAD 83) Western Hemisphere     FT   5000-foot ticks: New York State Plane West Zone (FIPS Zone 3103), Transverse Mercator projection     N   1000-meter Universal Transverse Mercator grid values, zone 18     X   Bench mark (see explanation in Notes to Users section of this FIRM panel)
<sup>49</sup> 89 <sup>000m</sup> № DX5510	FT   5000-foot ticks: New York State Plane West Zone (FIPS Zone 3103), Transverse Mercator projection     N   1000-meter Universal Transverse Mercator grid values, zone 18     X   Bench mark (see explanation in Notes to Users section of this FIRM panel) River Mile MAP REPOSITORIES Refer to Map Repositories list on Map Index     EFFECTIVE DATE OF COUNTYWIDE
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<sup>49</sup> 89 <sup>000m</sup> № DX5510	FT   5000-foot ticks: New York State Plane West Zone (FIPS Zone 3103), Transverse Mercator projection     N   1000-meter Universal Transverse Mercator grid values, zone 18     Bench mark (see explanation in Notes to Users section of this FIRM panel)     River Mile     MAP REPOSITORIES     Refer to Map Repositories list on Map Index     EFFECTIVE DATE OF COUNTYWIDE     FLOOD INSURANCE RATE MAP
<sup>49</sup> 89 <sup>000m</sup> № DX5510	FT   5000-foot ticks: New York State Plane West Zone (FIPS Zone 3103), Transverse Mercator projection     N   1000-meter Universal Transverse Mercator grid values, zone 18     Sench mark (see explanation in Notes to Users section of this FIRM panel)     River Mile     MAP REPOSITORIES     Refer to Map Repositories list on Map Index     EFFECTIVE DATE OF COUNTYWIDE     FLOOD INSURANCE RATE MAP
<sup>49</sup> 89 <sup>000m</sup> № DX5510 <sup>●</sup> M1.5	FT   5000-foot ticks: New York State Plane West Zone (FIPS Zone 3103), Transverse Mercator projection     N   1000-meter Universal Transverse Mercator grid values, zone 18     X   Bench mark (see explanation in Notes to Users section of this FIRM panel)     River Mile   MAP REPOSITORIES     Refer to Map Repositories list on Map Index   EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP     EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
<sup>49</sup> 89 <sup>000m</sup> № DX5510 ●M1.5 For commu	FT   5000-foot ticks: New York State Plane West Zone (FIPS Zone 3103), Transverse Mercator projection     N   1000-meter Universal Transverse Mercator grid values, zone 18     Sench mark (see explanation in Notes to Users section of this FIRM panel)     River Mile     MAP REPOSITORIES     Refer to Map Repositories list on Map Index     EFFECTIVE DATE OF COUNTYWIDE     FLOOD INSURANCE RATE MAP
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<sup>49</sup> 89 <sup>000m</sup> № DX5510 ●M1.5 For commu Map Histor	FT   S004 (MD 83) Western Hemisphere     FT   S004 (not) ticks: New York State Plane West Zone (FPS Zone 3030), Transverse Mercator grid values, zone 18     Image: S004 (MD 83) Western Mercator grid values, zone 18   Mark See explanation in Notes to Users section of this FIRM panel)     Never Mile   MAP REPOSITORIES Refer to Map Repositories list on Map Index.     EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP     EFFECTIVE DATE (S) OF REVISION(S) TO THIS PANEL     unity map revision history prior to countywide mapping, refer to the Community ty table located in the Flood Insurance Study report for this jurisdiction.     net flood insurance is available in this community. contact your insurance agent National Flood Insurance Program at 1-800-638-6620.     MAP SCALE 1" = 500'     100   MAP SCALE 1" = 500'     100   Map SCALE 1" = 500'     100   100     MAP SCALE 1" = 500'   100     100   150   300     Image: State Plane Base State Plan
<sup>49</sup> 89 <sup>000m</sup> № DX5510 ●M1.5 For commu Map Histor	FT   S00-foot tick: New York State Plane West Zone (FPS Zone 3030), Transverse Mercator grid values, zone 18     Image: S00-foot tick: New York State Plane West Zone (FPS Zone 3030), Transverse Mercator grid values, zone 18     Image: S00-foot tick: New York State Plane West Zone (FPS Zone 3030), Transverse Mercator grid values, zone 18     Image: S00-foot tick: New York State Plane West Zone (FPS Zone 3030), Transverse Mercator grid values, zone 18     Image: S00-foot tick: New York State Plane West Zone (FPS Zone 3030), Transverse Mercator grid values, zone 18     Image: S00-foot tick: New York State Plane West Zone (FPS Zone 3030), Transverse Mercator grid values, zone 18     Image: S00-foot tick: New York State Plane West Zone (FPS Zone 300), Transverse Mercator grid values, zone 18     Image: S00-foot tick: New York State Plane West Zone (FPS Zone 300), Transverse Mercator grid values, zone 18     Image: S00-foot tick: New York State Plane West Zone (FPE Zone 300), Transverse Mercator grid values, zone 18     Image: S00-foot tick: New York State Plane Maper (FPE Zone 300)     Image: S00-foot foot insurance Study report for this jursdiction.     Image: S00-foot foot insurance Study report for this jursdiction.     Image: S00-foot foot foot insurance Study report for this jursdiction.     Image: S00-foot foot foot foot insurance Study report for this jursdiction.     Image: S00-foot foot insurance Study report for this jursdiction.     Image: S00-foot foot foot insurance Study report foot this jursdiction.
<sup>49</sup> 89 <sup>000m</sup> № DX5510 ●M1.5 For commu Map Histor	IDENTIFY   S000-foot ticks: New York State Plane West Zone (FIPS Zone 3103), Transverse Mercator projection N 1000-meter Universal Transverse Mercator grid values, zone 18     Mark Bench mark (see explanation in Notes to Users section of this FIRM panel)   Bench mark (see explanation in Notes to Users section of this FIRM panel)     New Yile   Mark REPOSITORIES Refer to Map Repositories list on Map Index     EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP     EFFECTIVE DATE (S) OF REVISION(S) TO THIS PANEL     Inity map revision history prior to countywide mapping, refer to the Community y table located in the Flood Insurance Study report for this jurisdiction.     Inity map revision history prior to countywide mapping, refer to the Community y table located in the Flood Insurance Study report for this jurisdiction.     Inity map revision history prior to countywide mapping. refer to the Community y table located in the Flood Insurance Study report for this jurisdiction.     Inity map revision history prior to countywide mapping.     Init of misurance is available in this community.     Init of misurance is available in this community.     Init of the Flood Insurance Study report for this jurisdiction.     MAP SCALE 10° 500 1000     Init of the Flood Insurance Study report for the South State Plane Study.     Init of the Flood Insurance Study report for the South State Plane Study.     Init of the Flood Insurance Study Report Stot State Study.     Init of the South
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<sup>49</sup> 89 <sup>000m</sup> № DX5510 ●M1.5 For commu Map Histor	Idea (MAD 83) Western Hemisphere     FT   5000-foot ticks: New York State Plane West Zone (TPP Zone 3103), Transverse Mercator projection Noter Hile     Mark (see explanation in Notes to Users section of this FIRM panel). New Mile   Bench mark (see explanation in Notes to Users section of this FIRM panel). New Mile     Mar REPOSITORIES   Refer to Map Repositories list on Map Index.     EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP     EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
<sup>49</sup> 89 <sup>000m</sup> № DX5510 ●M1.5 For commu Map Histor	FT   S000-foot ticks: New York State Plane West Zone (TFJS Zone 3103), Transverse Mercator projection N     IO00-meter Universal Transverse Mercator grid values, zone 18     Bench mark (see explanation in Notes to Users section of this FIRM panel). River Mile Map REPOSITORIES Refer to Map Repositories list on Map Index     EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE FARTE MAP     EFFECTIVE DATE OF COUNTYWIDE TOOD INSURANCE FARTE MAP     INF REPOSITORIES     Refer to Map Repositories list on Map Index     INF REPOSITORIES     Refer to Map Repositories list on Map Index     INFORMATION PROVIDE FLOOD INSURANCE FARTE MAP     INFORMATION PROVIDE FLOOD INSURANCE PROVIDE 150     INFORMATION PROVIDE Value (ocated in the Flood Insurance Study report for this jurisdiction.     INFORMATION PROVIDE Value (ocated in the Flood Insurance Study report for this jurisdiction.     INFORMATION PROVIDE Value (ocated in the Flood Insurance Study report for this jurisdiction.     INFORMATION PROVIDE Value (ocated in the Flood Insurance Study report for this jurisdiction.     INFORMATION PROVIDE Value (ocated in the Flood Insurance Study report for this jurisdiction.     INFORMATION PROVIDE Value (ocate Jurisdiction Study Report Totics)     INFORMATION PROVIDE Value (ocate Jurisdiction Study Report Totics)     INFORMATION PROVIDE VALUE (OCATION OF 306239 0.036 H     INFORMATION OF 306239 0.036 H     IN
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<sup>49</sup> 89 <sup>000m</sup> № DX5510 ●M1.5 For commu Map Histor	FT   S000-foot ticks: New York State Plane Metazior projection     IO00-meter Universal Transverse Metrator projection   IO00-meter Universal Transverse Metrator projection     Normark (see explanation in Notes to Users section of this FIRM panel).   River Mile     Mar REPOSITORIES   Refer to Map Repositories list on Map Index.     EFFECTUE DATE(S) OF REVISION(S) TO THIS PANEL   FEFECTUE DATE(S) OF REVISION(S) TO THIS PANEL     Initiation of the Proof of the Community contact your insurance agent value located in the Flood Insurance Study report for this jurisdiction.   Initiation of the Proof of the Community contact your insurance agent value located in the Flood Insurance Study report for this jurisdiction.     Initiation of the Proof of the Community contact your insurance agent value located in the Flood Insurance Study report for this jurisdiction.   Initiation of the Proof of the Community contact your insurance agent value located in the Flood Insurance Study report for the Study report for the Study of the Community value located in the Flood Insurance Study report for the Study report for the Study of the Community value located in the Flood Insurance Study report for the Study of t
<sup>49</sup> 89 <sup>000m</sup> № DX5510 ●M1.5 For commu Map Histor	TOTAL INSTITUTE   1983 (MAD 83) Western Hemisphere     FT   S000-foot ticks: New York State Plane Actor projection     NOTE: The Plane 3103), Transverse Mercator grid values, zone 18     Ench mark (see explanation in Notes to Lisers section of this FIRM panel).     Ner REPOSITORIES     Refer to Map Repositories list on Map Index.     EFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL     Introduction of the Plane index     Up map revision history prior to countywide mapping: refer to the Community to able located in the Flood Insurance Study report for this jurisdiction.     Int Plane Index     Int Plane Index Int Plane Index     Int Plane Index Int Plane Index     Int Plane Index Int Plane Index     Int Plane Index Int Plane Index     Int Plane Index Int Plane Index     Int Plane Index Int Plane Index     Int Plane Index Int Plane Index     Int Plane Index Int Plane Index     Int Plane Index Int Plane Index     Int Int Plane Index Int Plane Index