

Discovery Report Appendix N

Watershed Summary Memorandums

Lake Ontario – Oak Orchard-Twelvemile Watershed

HUC 04130001

July 2016



FEMA

Federal Emergency Management Agency
Department of Homeland Security
26 Federal Plaza
New York, NY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Bureau of Flood Protection and Dam Safety

625 Broadway, Albany, New York 12233-3504

P: (518) 402-8185 | F: (518) 402-9029

www.dec.ny.gov

MEMORANDUM

To: Lake Ontario Contributing Watersheds Discovery Project File
From: NYSDEC Floodplain Management Section
Date: September 2015
Re: Oak Orchard Twelve Mile Watershed Discovery Meeting Summary

One initial Community Engagement Webinar was held for all stakeholders within the Lake Ontario watershed on August 13, 2013. The purpose of this initial webinar was to introduce stakeholders to the Discovery project concepts and discuss upcoming timelines for future webinars and meetings that should be attended.

Pre-Discovery Community Engagement webinars were held for the counties and communities within the Lake Ontario Watershed the week of September 16, 2013 to collect information on communities mapping needs, as well as existing data that could be incorporated into a possible Risk MAP project. There were nine meetings held throughout the watershed. Participation was mixed with some counties and communities very interested in providing feedback and other communities more reticent.

Ten FEMA Risk MAP Discovery meetings were held in the Lake Ontario Watershed over the two week time period from Tuesday November 12, 2013 to Thursday November 21, 2013. The purpose of these meetings were to present the draft Discovery Report containing the information collected at the Pre-Discovery meetings, and to provide the communities with an additional opportunity for input. Again, attendance was mixed, with some communities providing additional information and others confirming the previously collected information.

Genesee County, CID 36037C

Pre Discovery Meeting: Did not attend

Discovery Meeting: November 20, 2013

Risk MAP Questionnaire: November 20, 2013

Community Representative: George Squires, District Manager
Genesee County Soil and Water Conservation District
29 Liberty St., Ste#3
Batavia, NY 14020
585-343-2362
George.squires@ny.nacdnet.net

Sheila Hess
Conservation Connects
716-560-1768
shess@conservationconnects.com

Genesee County Stream Study Requests (No Stream Matrix Submitted):

1. Black Creek should be mapped by approximate methods from the Thruway in Stafford to the Bethany town line. This section of the Black Creek is currently not mapped.
2. The tributaries to Black Creek need to be studied by approximate methods in the Town of Byron. The current studies end at the Town of Elba town line.
3. White Creek needs to be studied by approximate methods in the Town of Stafford along the East Bethany LeRoy Road.
4. Whitney Creek needs to be studied by detailed methods from Route 77 to the Tonawanda Wildlife Management Area in the Town of Alabama due to new industrial chip plant development.
5. The Oatka Creek should be updated to a detailed study within the Village of LeRoy.
6. Mud Creek Tributary should be studied by limited detailed methods from the Village of LeRoy corporate limit to Perry Road in the Town of LeRoy due to proposed development in this area.

Other Stakeholders:

- Felipe Oltramari, Genesee County Planning Department; 3837 West Main Street Road, Batavia, NY 14020; (585) 344-2580 x5470; oltramari@co.genesee.ny.us
- Tim Yaeger, Coordinator, Genesee County Emergency Management Services; 690 State Street Road, Batavia, NY 14020; (585) 344-0078; tyaeger@co.genesee.ny.us
- Peter Lent, Chair, Oatka Creek Watershed Committee; lent@frontiernet.net
- Larry VerWeire, Black Creek Watershed Coalition 6070 Buffalo Rd., Churchville, NY 14428; LJVerWeire@hotmail.com
- Sheila Hess, NY Green/Green Genesee/Conservation Connects; P.O. Box 358, Alexander, NY 14005; (716) 560-1768; shess@conservationconnects.com

GIS Users:

- Felipe Oltramari, Genesee County Planning Department; 3837 West Main Street Road, Batavia, NY 14020; (585) 344-2580 x5470; oltramari@co.genesee.ny.us

- George Squires, District Manager, Genesee County Soil and Water Conservation District; 29 Liberty Street, Ste. #3, Batavia, NY 14020; (585) 343-2362; george.squires@ny.nacdn.net

Other Information of Interest:

- Existing Mapping Data
 - Political Boundaries are available digitally
 - Contact: Felipe Oltramari/Genesee County Planning
 - Transportation Layers are available digitally
 - Contact: Felipe Oltramari/Genesee County Planning
 - Parcel and Zoning data are available digitally
 - Contact: Felipe Oltramari/Genesee County Planning
 - Building footprints are not available
 - Essential/Critical Facilities are available digitally
 - Contact: Felipe Oltramari/Genesee County Planning
 - Historical Flood Inundation Areas are not available
- Coastal Data
 - Not applicable for this County
- Other Data
 - The NYSDEC should be contacted for the location of any flood control structures within the County.
 - The NYSDEC should be contacted for the location of any dams within the County.
 - Local survey data is available in Hard Copy
 - Contact: Genesee County Clerk's Office
 - Local flood gage data or rain gage data may be available
 - Contact: USGS
 - Oatka Creek and Mud Creek are karst creeks that flow underground in some location in the Town of Le Roy.
 - There are some reports with relevant hydrologic or hydraulic information available in hard copy and digital format.
 - Contact: Dave Zorn, Executive Director
Genesee / Finger Lakes Regional Planning Council
50 West Main Street, Suite 8107
Rochester, New York 14614
dave.zorn@gflrpc.org
www.gflrpc.org
(585) 454-0190 ext. 14
 - There is a Sunny Brockport master's thesis report about the Oatka and Black Creeks that mostly pertains to water quality.
 - Contact: Dr. Joe Makciewicz, Department of Biological Sciences
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - The County does not feel that the current Special Flood Hazard Areas are accurate. The following details were provided:
 - No digital firms. Majority of FIRMs in the area date back to the early to mid-1980's.
 - The Black Creek floodplain is not mapped at all in the most populated part of the Town of Stafford (south of the NYS Thruway) and it is mapped again just south of its boundary with the Town of Bethany.

- A tributary to Black Creek has a flood hazard area that ends at the southern boundary of the Village of Bergen near Townline Rd.
 - A tributary to Oatka Creek has a flood hazard area that ends at the town boundary between LeRoy and Bergen near east of West Bergen Rd.
 - Spring Creek and its tributaries have flood hazard areas that are mapped in the Town of Elba, but end at the boundary with the Town of Byron.
 - Development in these areas vary from hamlet/village residential to rural residential and agricultural areas.
- Please contact Tim Yaeger, EMS Coordinator, contact info above for any information about the County's experience with flood disasters and flood disaster recovery.
- The County had not had prior mitigation activities.
- There are no verifiable high water marks.
- There are not issues with structures being repeatedly flooding within the County, but there is some seasonal flooding that affects agricultural fields and roads.
 - The flooding is usually caused by Black Creek at Sweetland Road.
 - There is also flooding of the Oatka Creek along Oatka Trail.
- Community Plans and Projects
 - The County adopted a Hazard Mitigation Plan in 2008. The following projects are identified to help reduce the risk of future floods:
 - Undertake a Feasibility Study to analyze the possibility of creating a countywide drainage district.
 - Encourage FEMA to complete a countywide update of the FEMA Flood Insurance Rate Maps (FIRMs) as soon as possible.
 - Carry out a countywide survey aimed at identifying repetitive loss properties that are vulnerable to flooding and develop mitigation options.
 - There are areas within the County that have recent development and likely future development pressure for commercial, industrial and residential development.
 - The County has a Land Use and Development Plan:
 - Genesee County Smart Growth Plan (Updated 2013)
Contact: Felipe Oltramari, Genesee County Planning Dept.
See contact information above.
 - The County does not have an Open Space Plan
 - The County does not have a Stormwater Plan
 - The County has a Comprehensive Plan:
 - Genesee County Comprehensive Plan (updated annually)
Contact: Felipe Oltramari, Genesee County Planning Dept.
See contact information above.
 - The County does not currently participate in a Watershed Management Plan or Program.
 - Oatka and Black Creek Watersheds are in the process of developing such plans. Please contact Watershed groups as listed in the stakeholders above or Dave Zorn at the Genesee / Finger Lakes Regional Planning Council dave.zorn@gflrpc.org (585) 454-0190 ext. 14
 - The County would like additional training on the following topics:
 - Floodplain Management
 - Hazard Mitigation
 - Building and Enforcement Guidance

- Other assistance needed:
 - The County would like digital approximate A Zones developed with flood elevations developed
 - LOMA and LOMA Out As Shown guidance

Town of Alabama, Genesee County CID 361067

Pre Discovery Meeting: Did not attend

Discovery Meeting: Did not attend

Risk MAP Questionnaire: None submitted

Town of Alabama Steam Study Requests:

- The Town of Alabama chose not attend either the pre-Discovery webinars or the in-person Discovery Meeting. No community RiskMAP Questionnaire was received by the NYSDEC. Absent different information, it is assumed the Town has no stream study requests at this time.

Town of Elba, Genesee County CID 361120

Pre Discovery Meeting: Did not attend

Discovery Meeting: Did not attend

RiskMAP Questionnaire: None submitted

Town of Elba Steam Study Requests:

- The Town of Elba chose not attend either the pre-Discovery webinars or the in-person Discovery Meeting. No community RiskMAP Questionnaire was received by the NYSDEC. Absent different information, it is assumed the Town has no stream study requests at this time.

Village of Elba, Genesee County CID 361499

Pre Discovery Meeting: Did not attend

Discovery Meeting: Did not attend

Risk MAP Questionnaire: January 14, 2014

Community Representative: Phil Young

4 South Main Street

Elba, NY 14058

585-757-6889

elbavillage@rochester.rr.com

Village of Elba Stream Study Requests:

- The current FEMA FIRMs are accurate for the Village of Elba and there are no requests for new or updated studies at this time.

Other Stakeholders: None listed

GIS Users: None listed

Other Information of Interest:

- Existing Mapping Data
 - Political boundaries are not available.
 - Transportation layer are not available.
 - Land use and soil data are not available.
 - Parcel and zoning data are available in hardcopy.
 - Building footprints are not available.
 - Essential/critical facilities are not available.
 - Historical flood inundation areas are not available.
- Coastal Data
 - N/A
- Other Data
 - Location of flood control structures is not available.
 - Location of dams is not available.
 - Local survey data is not available.
 - Local flood gage and rain gage data is available in hardcopy.
 - Information on piped or underground streams is available in hardcopy.
 - There are no relevant reports with hydrologic or hydraulic studies available.
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - The current FEMA Special Flood Hazard Areas are accurate for the community
 - The village does not have experience with flood disasters or flood disaster recovery
 - The village has not had any prior mitigation activities
 - There are no verifiable high-water marks
 - There are no areas of repeated flooding
- Community Plans and Projects
 - The village does not have a hazard mitigation plan
 - There are no areas of recent development or likely future development

- The village does not have a land use and development plan
- The community does not have an open space plan
- The community does not have a storm water program or plan
- The village has a comprehensive plan
- The village does not have a watershed management plan
- No additional assistance requested

Town of Oakfield, Genesee County, CID # 361119

Pre- Discovery Session: Did not attend

Discovery Meeting: November 2013

Risk MAP Questionnaire: November 2013

Community Representative: Alan R. Dennis, Highway Superintendent

adennis@townofOakfieldNY.com

Thomas Graham, Disaster Coordinator and Town Judge

disaster@townofOakfieldNY.com

GIS Users:

- Genesee County Soil & Water Conservation District
- Genesee County Planning Department

Town of Oakfield Stream Study Requests:

1. An unnamed stream should be a new detailed study from Maltby Road to the town line due to increased development pressure and significant residential growth due to the develop of a Nanopark in the Town of Alabama.
2. An unnamed stream should be a new detailed study from north of Drake Street Road at confluence with priority stream number 1 to Batavia Oakfield Town Line Road due to growth and development in the Town and Village of Oakfield.
3. AN unnamed stream should be a detailed study from north of Maltby Road to southwest of Hutton Road due to increased growth and development.
4. An unnamed stream should be a detailed study from just north of Maltby Road to the intersection of Fisher Road and Lewiston Road due to increased growth and development.

Other Information of Interest:

- Existing Mapping Data
 - Political boundaries are available in hardcopy and digitally
 - Visit Genesee County website
 - The town added wells, bridges, and culverts to the transportation layers
 - Land use and soil data is available digitally
 - Contact Genesee County Soil & Water Conservation District
 - Parcel and zoning data are available digitally
 - County website
 - Building footprint data is available in hardcopy on a parcel by parcel basis
 - Essential/critical facilities are available digitally
 - County website
 - Historical flood inundation areas are not available
- Coastal Data
 - N/A
- Other Data
 - There is not information available on flood control structures or dams within the community
 - Local survey data is not available
 - Local flood gage or rain gage data is not available
 - There are no relevant reports with hydrologic/hydraulic studies available

- Flood Mitigation Planning, Mapping Needs, and Historical Data
 - The floodplain along Maltby Road may be over stated. The community has never seen flooding there.
 - There is some development within the Oak Orchard Wildlife Management Area that is impacted by a dyke system and beaver dams that cause flooding.
 - The town was hit by a 500 + year storm in 1976
 - The town has not had any prior mitigation activities to reduce flood losses other than maintaining drainage
 - There are verifiable high water marks along Oak Orchard Creek (no specific locations named on worksheet)
 - There are no areas of repeated flooding within the community
- Community Plans and Projects
 - The town had adopted the County Hazard Mitigation Plan
 - There is an area of expected residential development due to a nanotechnology park planned in the Town of Alabama
 - There is an area of industrial development in the southwestern corner of the town.
 - The town has a land use and development plan
 - The town has an Open Space Plan
 - Visit the county planning website
 - The town does not have a stormwater plan
 - The town has a comprehensive plan
 - Contact the Town Supervisor
 - The town does not participate in a watershed management plan
 - The community would like additional training with building and enforcement guidance
- Additional Comments
 - The old gypsum mines in the center of town are being flooded by DEC

Village of Oakfield, Genesee County, CID# 361500

Pre- Discovery Session: Did not attend

Discovery Meeting: Did not attend

Risk MAP Questionnaire: None submitted

Village of Oakfield Steam Study Requests:

- The Village of Oakfield chose not attend either the pre-Discovery webinars or the in-person Discovery Meeting. No community RiskMAP Questionnaire was received by the NYSDEC. Absent different information, it is assumed the village has no stream study requests at this time.

Monroe County, CID 36055C

Pre Discovery Meeting: September 2013

Discovery Meeting: November 19, 2013

RiskMAP Questionnaire: August 28, 2013 and November 19, 2013

Community Representative: Justin Cole, County GIS

50 W Main Street, Suite 7100

585-753-7504

jcole@monroecounty.gov

Dave Zorn, Genesee Finger Lakes Regional Planning

Jayme Thomann, Genesee Finger Lakes Regional Planning

Stevie Adams, Nature Conservancy

1048 University Ave

Rochester, NY 14607

585-546-8030 ext. 29

sadams@tnc.org

Monroe County Stream Study Requests:

1. The County would like new detailed studies for the Lake Ontario shoreline focusing mostly on the Towns of Webster, Irondequoit, and Greece. There has been some development along the shoreline. There is a new marina at the mouth of the Genesee River in between Greece and Irondequoit. There is also development along the bluff in the Town of Webster.
2. Irondequoit Creek should be study by detailed methods due to the age of the current study and the frequency of flooding events along the creek.
3. Black Creek should be studied by detailed methods due to the age of the current study and the frequency of flooding events along the creek.
4. Irondequoit Bay should be studied by detailed methods due to varying elevations for communities along the bay.

Other Stakeholders:

- Fred Rion, Monroe County Office of Emergency Management; 1190 Scottsville Road, Suite 200, Rochester, NY 14624; 585-753-3810; frion@monroecounty.gov.
- Andy Sansone, Monroe County Department of Environmental Services Industrial Waste (Storm Water Coalition); 145 Paul Road, Building 1, Rochester, NY 14624; 585-753-7684; asansone@monroecounty.gov.
- Finger Lakes Economic Development Council
- Kelly Emerick; Monroe County Soil & Water Conservation District; kellyemerick@monroecounty.gov
- Black Creek and Oatka Creek Watershed Associations

GIS Users:

- Justin Cole, Monroe County GIS Department; 50 W Main Street, Suite 7100; 585-753-7504; jcole@monroecounty.gov

Other Information of Interest:

- Existing Mapping Data

- The following data layers are available digitally from Justin Cole, Monroe County GIS Department jcole@monroecounty.gov
 - Political boundaries
 - Transportation
 - Land use and soil
 - Tax parcel
 - Critical facilities
- Limited building footprint data is available digitally
 - The available data is from the 1990s and there are no plans to update this data in the near future.
- Historical flood inundation data is not available.
- Coastal Data
 - Bathymetry data is available digitally
 - NOAA Digital Coast LiDAR flown 2011 processed for near shore
 - There is wave gage data available digitally
 - NOAA has a wave buoy near the mouth of the Genesee River
 - Wind data is available digitally
 - There is a wind station at the Rochester Airport
 - There is hard copy shoreline change data available
 - Monroe County has historical photos of the shoreline back to 1930
 - The following data is not available
 - Locations of coastal structures
 - Locations of beach nourishment/dune restoration projects
 - Inland limit of the primary frontal dune
 - Areas with significant beach or bluff erosion
 - Coastal bluff setback regulations
- Other Data
 - Location of flood control structures is not available
 - Location of dams within the county is available digitally
 - NYSDEC has this layer
 - LiDAR data from 2006 is available digitally
 - jcole@monroecounty.gov
 - USGS gage data is available digitally and in hard copy
 - jcole@monroecounty.gov
 - There is data available from the county about piped or underground streams
 - Red Creek – contact Andy Sansone asansone@monroecounty.gov
 - There are various studies that may contain hydraulic/hydrologic data
 - Various Army Corps studies from the 1970s
 - Contact Laura Ortiz
 - Irondequoit Creek study from 1990s
 - Contact Charlie Knaf, Monroe County Health Dept. 585-753-5440 (may have retired)
 - Contact Andy Sanson, asansosne@monroecounty.gov for any other reports that may exist
- Flood Mitigation Planning, Mapping Needs, and Historical Data
 - Updated mapping should be focused on Webster, Greece, and Irondequoit due to population and inaccuracies in the current FEMA Special Flood Hazard Areas.
 - There have been several flooding events and recoveries within the county
 - Black Creek has flooded impacting homes
 - Irondequoit Creek has flooded roads and commercial development

- Super Storm Sandy caused some erosion along Lake Ontario
 - The County has planned mitigation efforts
 - Penfield mitigation project for erosion control structure on Irondequoit Creek
 - Daschel Dam rehabilitation is planned in the Town of Greece
 - Contact Fred Rion for the Monroe County Mitigation Plan in place to 2016.
 - There are no verifiable high-water marks known by County Officials
 - Black Creek (in Chili), Irondequoit Creek, and Oatka Creek (in Wheatland) are areas of repeated flooding
- Community Plans and Projects
 - The County has a Hazard Mitigation Plan that expires in 2016
 - There is commercial development in a few places with the counties
 - Along Route 104 in Greece and Parma
 - Along Route 252 in Henrietta
 - Near 490 in Perinton
 - Along 104 in the Town and Village of Webster
 - There is no County Level plan for the following:
 - Land Use and Development
 - Open Space
 - Comprehensive
 - The County has the following plans:
 - Farm Land Protection
 - There is a stormwater coalition plan being created for Little Black Creek
 - Black- Oatka Watershed
 - Stormwater Master Plan is being developed (and most municipalities are MS4 communities)
 - Contact Andy Sanson asansone@monroecounty.gov
 - There is a Monroe County Water Quality Coordinating Committee and a Water Quality Management Agency
- Additional Comments
 - County Officials would like training or assistance with SLOSH or other wave modeling software for storm impacts along the Lakeshore.
 - The County would like the IJC Plan 2014 (Bv7) and Plan 1985-DD with regard to water level management of Lake Ontario to be considered as part of the Lake Ontario Discovery and Mapping process.

Village of Brockport, Monroe County, CID 360411

Pre- Discovery Session: September 2013

Discovery Meeting: November 2013

Risk MAP Questionnaire: September 12, 2013

Community Representatives: Scott Zarnstorff, Code Enforcement Officer

49 State Street
Brockport, NY 14420
585-637-1047
Szarnstorff@brockportny.org

Sarah Klein, SUNY College at Brockport
Environmental Health and Safety Department
350 New Camus Dr.
Brockport, NY 14420
585-395-2495
sklein@brockport.edu

Village of Brockport Stream Study Requests:

- The Village of Brockport feels the current Special Flood Hazard Areas area accurate for the community and there are no requests for new or updated stream studies.

Other Stakeholders: None listed

GIS Users: None Listed

Other Information of Interest:

- Existing Mapping Data
 - The following categories were left blank
 - Political boundaries
 - Transportation layers
 - Land Use and Soil data
 - Building footprints
 - Essential/critical facilities
 - Historical flood inundation areas
 - Parcel and zoning data are available digitally by visiting www.brockportny.gov
- Coastal Data
 - N/A
- Other Data
 - There was a bridge replacement on Haven Wood Drive the bridge is 3 feet high and 16 feet wide
 - There are two culverts under the bridge on McCormick Place that are 3 feet high and 6 feet wide
- Flood Mitigation Planning, Mapping Needs, and Historical Data
 - The current FEMA Special Flood Hazard Areas are accurate for the community.
 - The village has not had any recent experience with flood disasters or flood disaster recovery.
 - The village has the following plans
 - Stormwater
 - Contact: Scott Zarnstorff

- Comprehensive plan
- The village does not have the following plans
 - Open space
 - Watershed management
- No additional assistance was requested.

Town of Clarkson, Monroe County, CID 360413

Pre- Discovery Session: Did not attend

Discovery Meeting: Did not attend

Risk MAP Questionnaire: None Submitted

Town of Clarkson Stream Study Requests:

- The Town of Clarkson chose not attend either the pre-Discovery webinars or the in-person Discovery Meeting. No community RiskMAP Questionnaire was received by the NYSDEC. Absent different information, it is assumed the town has no stream study requests at this time.

Town of Gates, Monroe County, CID 360416

Pre- Discovery Session: Did not attend

Discovery Meeting: November 19, 2013

Risk MAP Questionnaire: November 19, 2013

Community Representative: Joe Amico, Director of Public Works

1605 Buffalo Road

Rochester, NY 14612

585-247-6100

jamico@townofgates.com

Town of Gates Stream Study Requests:

1. Little Black Creek should have an updated detailed study due to the number of LOMAs within the creeks floodplain.
2. Buffalo Creek should have an updated detailed study that continues through the culvert under the ramp to I-490.
3. Round Creek Pond Reach 2 should have an updated detailed study due to inaccuracies in the floodplain delineation. There is a large section of piped stream near Jennifer Circle.
4. Long Pond Creek should be an updated detailed study due to inaccuracies in the floodplain delineation. Drawings and dimensions of underground piping provided on scoping map. There is also a retention pond on Rahway Road.

Other Stakeholders: None listed

GIS users: None listed

Other Information of Interest:

- Existing Map Data
 - No information provided for this section
- Coastal Data
 - N/A
- Other Data
 - No information was provided about the location of flood control structures within the community
 - There are no dams within the community
 - There is hardcopy local survey data for new construction or site grading and as-builts
 - There is no available flood gage or rain gage data
 - Long Pond Creek is piped underground from Wolcott Ave to Kerr Ave.
 - Contact Joe Amico, Town of Gates Public Works Director
 - Sketch provided with scoping map
 - There are no relevant reports available with hydrologic or hydraulic data
- Flood Mitigation Planning, Mapping Needs, and Historical Data
 - The current FEMA Special Flood Hazard Areas are not accurate for the community. See the list of stream study requests above.
 - There have not been any significant flooding disasters within the community in the recent past.
 - The community has not had any prior mitigation activities.
 - There are no verifiable high-water marks
 - There are no areas of repeated flooding within the community.

- Community Plans and Projects
 - The Town of Gates has a hazard mitigation plan that is currently under review
 - There has been recent development within the Town.
 - The Town has the following plans:
 - Land Use and Development
 - Comprehensive
 - Monroe County Stormwater Coalition
 - Black Creek/Oatka Creek Watershed Management
 - The Town does not have the following plans
 - Open Space
- Additional Comments
 - The town requested additional assistance with hazard mitigation training
 - There is a rail road culvert that is in poor condition near 490 that is clogged causing drainage issues.

Town of Greece, Monroe County, CID 360417

Pre- Discovery Session: September 2013

Discovery Meeting: November 2013

Risk MAP Questionnaire: November 19, 2013

Community Representatives:

Matt Chapman
1 Vince Tofany Blvd
Greece, NY 14612
585-723-2358
mchapman@greeceny.gov

Sue Duggan
1 Vince Tofany Blvd
Greece, NY 14612
585-723-2317
sduggan@greeceny.gov

Paul Czapranski
1 Vince Tofany Blvd
Greece, NY 14612
585-723-2350
pczapranski@greeceny.gov

John F. Gauhier
647 Long Pond Road
Rochester, NY 14612
585-225-4590

Scott Gabrielli
1 Vince Tofany Blvd
Greece, NY 14612
585-737-7060
sgabrielli@greeceny.gov

Joe Fornataro
1 Vince Tofany Blvd
Greece, NY 14612
585-723-2353
jfornataro@greeceny.gov

Town of Greece Stream Study Requests:

1. Round Pond Creek should be restudied methods due to a culvert that was replaced by NYSDOT under NY Route 104. The floodplain is now understated. The shopping center to the east of Fox Meadow Road and Long Pong reported \$100,000 in damage in 2009. The affected areas upstream of the culvert include the Town Park land with recreation facilities. The culvert inlet was elevated during the replacement. The downstream impacts of the culvert replacement are not yet understood. There has also been increased development near the upstream reaches in the Town of Gates that has increased the peak

flow rates since the last time the creek was studied. There is a technical report on the Upper Round Pond Creek Basin completed by Barton & Loguidice in September 2010 (provided at the meeting).

2. Bush Creek should be a new detailed study due to flooding caused by a historically incorrectly sloped and undersized culvert at the abandoned rail road embankment. The flooding experienced in this area does not match the mapped floodplain. There is a Final Bush Creek Drainage Report prepared by Erdman-Anthony in March 2007 (provided at meeting).
3. Buttonwood Creek should be studied a new detailed study from east of Manitou Road to the north culvert fallout on Frisbee Hill Road. This area is subject to development pressure and is an area in which the Town of Greece and neighboring upstream communities will be developing a model for inter-municipal floodplain management of the Buttonwood Creek drainage basin.
4. Larkin Creek (North Branch) should be restudied by detailed methods due to the number of LOMAs for the area around Kuhn Road and Long Pond Road.

Other Stakeholders: None Listed

GIS Users:

- Scott Copey, Town of Greece; 1 Vince Tofany Blvd, Greece, NY 14612; 535-723-2356; scopey@greeceny.gov
- John F. Gauthier; 647 Long Pond Road, Rochester, NY 14612; 585-225-4590

Other Information of Interest:

- Existing Mapping Data
 - The following data is available digitally from Scott Copey
 - Political boundaries
 - Transportation
 - Land use and soil
 - Parcel and zoning
 - Some commercial building footprints
 - Essential/critical facilities
 - Historical flood inundation areas
- Coastal Data
 - The following data is available digitally
 - Bathymetry
 - Location of coastal structures
 - Wave or tidal gage stations
 - The following data is available in hard copy
 - Historic shoreline change – photographs available from Matt Chapman
 - Areas of significant beach or bluff erosion
 - The following are not available
 - Location of wind stations
 - Wave or tidal gages
 - Bluff recession rates
 - Coastal bluff setback regulations
- Other Data
 - Location of flood control structures is available digitally
 - Location of dams within the community are available digitally

- Local survey data may be available on a case by case basis digitally or in hard copy
 - John G. has all the survey data for bridge replacement
- There are several piped/underground streams within the town that are available in a digital shape file
- There are several reports available with hydrologic/hydraulic studies for the town.
 - Town-wide drainage study in 1975, 1976 Round Pond Creek and Larkin Creek
 - Contact John Gauthier for study
- Flood Mitigation Planning, Mapping Needs, and Historical Data
 - The current FEMA Special Flood Hazard Areas are not accurate for the community. See priority list for details.
 - The town has experienced multiple flooding disasters in 1973, 1999, 2009 flooding near shopping mall, 2005 & 2006 flooding of Larkin Tributary
 - The town bought out a repetitive loss property to reduce future flood losses
 - There are no verifiable high-water marks
 - There are some areas of repeated flooding within the town.
 - The unstudied area of Fleming Creek has caused repetitive flooding in a densely developed residential area
- Community Plans and Projects
 - The town adopted the County Hazard Mitigation Plan that expires in 2016
 - There is commercial development in the south part of the town near the canal.
 - The town has the following plans
 - Land use and development
 - Stormwater – John Gauthier (October 2012)
 - Comprehensive
 - Watershed Management which is part of the county plan
 - The town does not have an open space plan
 - The town would like assistance with the following trainings:
 - Floodplain Management
 - Hazard Mitigation
 - Building and Enforcement
- Additional Comments
 - The town would like the unmapped areas between Gates and Greece to be mapped to provide consistency and help with regulating development in these currently unmapped floodplains.

Town of Hamlin, Monroe County, CID 360418

Pre- Discovery Session: Did not attend

Discovery Meeting: Did not attend

Risk MAP Questionnaire: None Submitted

Town of Hamlin Stream Study Requests:

- The Town of Hamlin chose not attend either the pre-Discovery webinars or the in-person Discovery Meeting. No community Risk MAP Questionnaire was received by the NYSDEC. Absent different information, it is assumed the town has no stream study requests at this time.

Village of Hilton, Monroe County, CID 360420

Pre- Discovery Session: Did not attend

Discovery Meeting: November 2013

Risk MAP Questionnaire: November 2013

Community Representatives: Mike McHenry, DPW Superintendent

Mike Lissow, Code Enforcement Officer

Village of Hilton Stream Study Requests:

1. Salmon Creek should have an updated detailed study due to an apartment complex that was built in September 2013 that narrowed the creek significantly near Village II Drive.
2. Tallwood Ditch should be a new detailed study through the Village due to flooding along the stream which is currently not mapped. There are planned detention ponds for this area.

Other Stakeholders: None listed

GIS Users:

- None listed but at a minimum the village has the software; training on how to use digital projects would be helpful

Other Information of Interest:

- Existing Mapping Data
 - Political boundaries are available digitally and in hardcopy
 - A portion of the Town of Parma was annexed by the village
 - Transportation layers are available digitally
 - Sanitary sewer outfalls are mapped – contact Mike Lissow
 - Land use and soil data not available
 - Parcel and zoning data are available digitally – contact Mike Lissow
 - Building footprints are not available
 - Essential/critical facilities are not available
- Coastal Data
 - N/A
- Other Data
 - Location for flood control structures not available
 - Location of dams not available
 - Local survey data is not available
 - Local rain gage data not available
 - No information provided for piped/underground streams
 - There is a drainage study of the Tallwood ditch that is in both the Town of Parma and the Village of Hilton
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - The special flood hazard areas are fairly accurate for the village
 - Tributary to Buttonwood Creek causes road to flood. Should be studied.
 - No information provided for flood disasters or flood disaster recovery
 - The Village is interested in flood mitigation through a detention and retention pond in the Tallwood ditch area but needs funding.
 - There are verifiable high-water marks on the popcorn stand
 - Contact Mike Lissow

- There has been repeated flooding in the Tallwood ditch area within the village
- Community Plans and Projects
 - The village is part of the County Hazard Mitigation Plan
 - The village has a Master Plan from 1975 which includes
 - Open space
 - Land use and development
 - Comprehensive
 - The village has a stormwater plan
 - The village does not have a watershed management plan
 - The village would like assistance with how to use digital products
- Additional Comments
 - There is an apartment complex along Salmon Creek with gabions that was undermined in September 2013. There was significant narrowing of the creek and exposure of the village infrastructure. Both gas and electric was impacted.
 - There was a culvert replaced and narrowed on Lake Ave near Tallwood Drive.

Town of Ogden, Monroe County, CID 360424

Pre Discovery Meeting: September 2013

Discovery Meeting: Did not attend

Risk MAP Questionnaire: No date on questionnaire

Community Representatives: Patrick Smith, Building Inspector

269 Ogden Center Rd
Spencerport, NY 14559
585-617-6195
building@ogdenny.com

David Widger, Highway Superintendent
296 Ogden Center Road
Spencerport, NY 14559
585-617-6160
highway@ogdenny.com

Town of Ogden Stream Study Requests:

1. There should be a detailed study of the tributary to Salmon Creek between Washington Street and South of the Barge Canal. There is currently a flood study available for this area.
2. The Little Black Creek should have an updated detailed study due to area experiencing development near Route 33 and Buffalo Road. The floodplain extent may be overstated.

Other Stakeholders: None listed

GIS Users:

- David Widger, Highway Superintendent, Town of Ogden; 269 Ogden Center Road, Spencerport, NY 14559; 585-617-6160; highway@ogdenny.com

Other Information of Interest:

- Existing Mapping Data
 - Political boundaries are available in hardcopy and digitally
 - Transportation layers are available in hardcopy and digitally
 - Land use and soil data are available in hardcopy and digitally
 - Parcel and zoning data are available in hardcopy and digitally
 - Building footprints are available in hardcopy
 - Essential/critical facilities are available in hardcopy and digitally
 - Historical flood inundation areas are not available
- Coastal Data
 - N/A
- Other Data
 - Location of flood control structures is not available
 - Location of dams is not available
 - Local survey data is available in hardcopy and digitally
 - Local flood gage or rain gage data is not available
 - There is a stream piped underground but location and stream details not provided
 - There are no relevant reports with hydrologic/hydraulic studies available
- Flood Mitigation Planning, Mapping Needs, and Historical Data
 - The current FEMA Special Flood Hazard Areas are not accurate for the community

- The community has not had any recent flood disasters or experience with flood disaster recovery
 - The town has not had any prior mitigation activities
 - There are no verifiable high-water marks
 - There are no areas with repeated flooding
- Community Plans and Projects
 - The community does not have a hazard mitigation plan
 - There are areas of recent or likely future development – no specific information was provided
 - The town has a land use and development plan from 2012
 - The town has an open space plan from 2012
 - The town does not have a stormwater plan
 - The town has a comprehensive plan from 2010
 - The town does not have a watershed management plan
 - No additional assistance requested

Town of Parma, Monroe County, CID 360425

Pre- Discovery Session: Did not attend

Discover Meeting: November 2013

Risk Map Questionnaire: November 2013

Community Representatives: Brian Speer, Town Supervisor

Jack Barton, Building Inspector

Town of Parma Stream Study Requests:

1. West Creek should be a detailed study for the entire length of the stream within the Town. There is a sewer line running along the length of the creek, and nearby there is significant development. The flood extents on the existing FIRM are inaccurate near the intersection of North Ave and Dunbar Ave and the area needs new topography. There is a retention pond located in the flood zone near Collamar Road and the area is development prone.
2. Buttonwood Creek should be studied by detailed methods within the corporate limits. This is a rapidly developing area and no study has previously completed.
3. Northrup Creek should be studied by detailed methods for the entire length within the community. There is a new sewer line and the area is starting to develop. The flood extents near Dean Road are inaccurate. There is a drainage ditch near Dean Road that is not on the existing FIRM.
4. East Creek should be studied by detailed methods from the confluence with Lake Ontario to Huffer Road. If the Town of Hamlin also requests a detailed study it should be continued to the Town of Hamlin corporate limits.
5. Otis Creek should be studied by detailed methods from the confluence with Salmon Creek to the corporate limit. The existing flood extents seem accurate but new topography would be helpful. This area of the community is already fully developed.
6. Brush Creek should be a detailed study from the confluence with Lake Ontario to the corporate limits. The existing FIRM is accurate.
7. Salmon Creek should be a detailed study from the corporate limit to Hill Road and an approximate study from Hill Road to the upstream corporate limit. The flood extents are accurate on the existing FIRM but the topography should be updated. Some areas along the creek are more elevated than currently indicated. This area is already fully developed.

Other Stakeholders: None listed

GIS Users: None Listed

Other Information of Interest:

- Existing Mapping Data
 - Political Boundaries are available in hardcopy or digitally
 - The Village of Hilton annexed a small portion of the town's land
 - Transportation layers are available digitally
 - Land use and soil data – no information provided
 - Parcel and zoning data is available digitally
 - Contact Jack Barton
 - Building footprints are not available

- Essential/critical facilities are not available
 - Historical Flood Inundation Areas are not available
- Coastal Data
 - The USACE took pictures and surveyed sill elevations of structures (gabions) on the shore line (1993/1997) along entire shoreline
 - Contact town for a copy of the information
- Other Data
 - Locations of flood control structures is not available
 - Locations of dams is not available
 - Local survey data not available
 - Local rain gage data is available digitally from the county pure wastes
 - No information provided on piped or underground streams
 - There is a drainage and stormwater study for the Tallwood ditch in the town and northern part of the Village of Hilton
- Flood Mitigation Planning, Mapping Needs, and Historical Data
 - The town does not feel the current FEMA Special Flood Hazard Areas are accurate and still have the same priorities as they listed in the 2004 Monroe County scoping meeting.
 - No information provided about recent experience with flooding disasters or flood disaster recovery
 - No information was provided for prior mitigation activities within the town
 - There are no verifiable high-water marks noted for the town
 - There are several areas of repeated flooding within the town
 - Buttonwood Creek floods the road where it crosses Burritt Road
 - Tallwood ditch has flooded repeatedly
 - The small unnamed stream north of Curtis Road floods North Ave
- Community Plans and Projects
 - The town is part of the county hazard mitigation plan
 - There is a new development near the eastern corporate limit town with approximately 70 units on James Moore Circle
 - The town has the following plans
 - Master plan 1989 includes:
 - Land Use and Development
 - Open Space
 - Stormwater
 - Comprehensive Plan
 - The town does not participate in a watershed plan
 - The town would like additional training on how to use digital mapping products
- Additional Comments
 - There was a bridge replacement on Parma Center Road around 2007 over Salmon Creek
 - There was a county bridge replacement on Peck Road over Salmon Creek around 2011
 - There is a rain gage at the Town Hall
 - The town replaced a bridge on Hill Road over Salmon Creek in 2011
 - The town replaced a bridge on Hill Road over Brockport Creek in 2012
 - The town replaced a bridge on Collamer Road over West Creek in 2012
 - The county replaced a bridge over Brush Creek in 2005

Village of Spencerport, Monroe County, CID 360433

Pre- Discovery Session: September 2013

Discovery Meeting: Did not attend

Risk MAP Questionnaire: January 2, 2014

Community Representative: Thomas West

27 West Ave

Spencerport, NY 14559

585-303-3091

twest@vil.spencerport.ny.us

Village of Spencerport Stream Study Requests:

1. The current FEMA Special Flood Hazard Areas are accurate for the community. There are no requests for new or updated studies at this time.

Other Stakeholders: None Listed

GIS Users:

- Monroe County GIS

Other Information of interest:

- Existing Mapping Data
 - Political boundaries are available in hardcopy
 - Transportation layers are not available
 - Land use and soil data not available
 - Parcel and zoning data are available in hardcopy
 - Critical/essential facilities not available
 - Historical flood inundation areas available in hardcopy
- Coastal Data
 - N/A
- Other Data
 - Location of flood control structures not available
 - Location of dams not available
 - Local survey data not available
 - Local flood gage or rain gage data not available
 - Northrup Creek East and West Branches are piped underground
 - There is a report from MRB Engineering Group available in hardcopy from the Village of Spencerport
- Flood Mitigation Planning, Mapping Needs, and Historical Data
 - The current FEMA Special Flood Hazard Areas are accurate for the community
 - The village has experience with flooding in the Business District on Main Street caused by the East and West Branches of Northrup Creek. The culverts are undersized.
 - The village has not had any prior mitigation activities
 - There are no verifiable high-water marks
 - There has been repeated flooding along Main Street
- Community Plans and Projects
 - The community does not have a hazard mitigation plan

- There are no areas of recent development or likely future development
- The village does not have a land use and development plan
- The village does not have an open space plan
- The village does participate in the Monroe County Storm Water Coalition
- The village has a Comprehensive Plan adopted 5/2012 available online at villageofspencerport.ny.us
- The village participates in a watershed management program through the Monroe County Storm Water Coalition
 - Contact Tod Stevenson 585-753-5472
- No additional assistance requested

Town of Sweden, Monroe County, CID 360435

Pre- Session Meeting: Did not attend

Discovery Meeting: November 19, 2013

Risk MAP Questionnaire: November 19, 2013

Community Representative: Walt Windus, Building Inspector/Stormwater Manager

18 State Street
Brockport, NY 14420
585-637-8684

Town of Sweden Stream Study Requests:

1. Brockport Creek should be an updated limited detail study due to the culvert under East Canal Road that is undersized and has caused flooding in the area that may be more extensive than what is shown on the current maps.

Other Stakeholders:

- Collage of Brockport – concerns with canal impacts
- Ruth Krupner, Secretary; Highway Department
- Jim Oberst, Town Engineer
- James Zollweg, Environmental Science Professor, SUNY Brockport
- Sarah Klein, SUNY Brockport EHA; sklein@brockport.edu

GIS Users:

- James Zollweg, SUNY Brockport

Other Information of Interest;

- Existing Mapping Data
 - Political Boundaries are available digitally
 - Transportation layers are available in hard copy from Highway Department
 - Soil data is available from the soil conservation service
 - Parcel and Zoning data is available digitally from the Highway Department
 - Building footprint data in hard copy and digital is available from John Osawki, Director of College Planning Department and the Town Clerk from site plans
 - Essential/Critical Facilities data is not available
 - Historical Flood Inundation Areas is not available
- Coastal Data
 - N/A
- Other Data
 - Location of flood control structures is available digitally and in hard copy
 - Erie Canal
 - There are no dams within the community
 - Unsure of the availability of local survey data
 - Not aware of any flood gage or rain gage data
 - There are no piped or underground streams within the town
 - There are no relevant reports with hydrologic or hydraulic studies
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - There is an undersized culvert under East Canal Road on Brockport Creek that is causing backwater to create more extensive flooding than what is shown on the FIRM.
 - The town has not had any experience with recent flooding disasters or recovery.

- There have been no prior mitigation activities.
 - There are no verifiable high-water marks
 - The area near E Canal Street has flooded twice in a 40 year period. The flooding caused a road closure and made some driveways inaccessible.
- Community Plans and Projects
 - The town has a hazard mitigation plan that was adopted in 2011
 - There is an area of development near the college in the northwestern part of town.
 - The town has a Land Use and Development Plan
 - Contact Phyllis Bradz, Planning Department Secretary
 - The town does not have an open space plan
 - The town is an MS4 community and is part of the countywide stormwater coalition
 - Contact Walter Windus for stormwater plan
 - The town has a comprehensive plan that was updated in 2012
 - Contact Town Supervisor for a copy
 - The town does not participate in a watershed management plan
 - No additional training or assistance requested

Niagara County, CID 36063C

Pre- Discovery Session: Did not attend

Discovery Meeting: Did not attend

Risk MAP Questionnaire: December 22, 2013

Community Representative: Jonathan Schultz

Niagara County Emergency Services

5574 Niagara Street Ext.

716-438-3171

Jonathan.schultz@niagaracounty.com

Niagara County Stream Study Requests:

1. The County would like streams that flow into Lake Ontario to be studied as they were not updated during the Countywide Map Modernization Project.
2. The County would like all other studies in the County to be re-delineated on new topography due to concerns with the LiDAR accuracy used for the Map Modernization Project.

Other Stakeholders:

- City of Lockport
- City of Niagara Falls
- Town of Wilson
- Town of Olcott
- Town of Lewiston
- Town of Porter
- Town of Niagara

GIS Users:

- Niagara County
- City of Niagara Falls

Other Information of Interest:

- Existing Mapping Data
 - The following mapping layers are available digitally:
 - Political boundaries
 - Transportation
 - Land use and soil
 - Parcel and zoning
 - Building footprints
 - Essential/critical facilities
 - The following mapping layers are not available:
 - Historical flood inundation areas
- Coastal Data
 - The following data is available digitally:
 - Bathymetry
 - Historic shoreline change
 - The following data is not available:
 - Location of coastal structures
 - Wave or tidal gage stations

- Location of wind stations
 - Location of beach nourishment projects
 - Inland limit of the primary frontal dune
 - Areas with significant beach or bluff erosion
 - Bluff recession rates
 - Coastal bluff setback regulations
- Other data
 - The following data is not available:
 - Location of flood control structures
 - Local flood gage or rain gage data
 - Information on any piped or underground streams within the County
 - The following data is available digitally
 - Location of dams within the County
 - Contact: NYSDEC or New York Power Authority
 - Local tax map data from the county
 - There may be some relevant studies or reports available for the County from the NYSDOT for bridge or culvert replacements
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - The current FEMA Special Flood Hazard areas are accurate for the County
 - The County has had experience with flooding most recently in the summer of 2013 caused by large rain events and streams overtopping their banks.
 - The County has not performed any prior mitigation activities
 - There are verifiable high-water marks within the County
 - No details were provided on worksheet
 - There is repeated flooding in the Lockport area and the Town of Niagara
- Community Plans and Projects
 - The County has a hazard mitigation plan that was updated in 2014
 - There are areas in the County that have had recent development or are likely to have future development pressures.
 - No details of these areas were provided on the worksheet
 - The County does not have a land use and development plan
 - Unsure of whether the county has an open space plan
 - The County has a storm water program as part of the Niagara County Department of Public Works
 - Uncertain about whether the County participates in a Watershed Management Plan or Program
 - The County would like additional training in on the following topics:
 - Floodplain management
 - Hazard mitigation
 - Building and enforcement

Town of Cambria, Niagara County, CID 360499

Pre- Discovery Session: Did not attend

Discovery Meeting: November 20, 2013

Risk MAP Questionnaire: November 20, 2013

Community Representative: Jim McCann, Building Inspector

Town of Cambria Stream Study Requests:

1. There are no requests for new or updated studies within the Town of Cambria

Other Information of Interest:

- Note on worksheet says to ask Scott from Wendel Engineering for information

Town of Cambria Scoping Map Notes

- There is flooding along the railroad over Bergholtz Creek where there is an 18 inch culvert for the creek to pass through.

Town of Hartland, Niagara County, CID 360500

Pre- Discovery Session: Did not attend

Discovery Meeting: Did not attend

Risk MAP Questionnaire: None submitted

Town of Hartland Stream Study Requests:

- The Town of Hartland chose not attend either the pre-Discovery webinars or the in-person Discovery Meeting. No community Risk MAP Questionnaire was received by the NYSDEC. Absent different information, it is assumed the town has no stream study requests at this time.

Town of Lewiston, Niagara County, CID 360502

Pre- Discovery Session: Did not attend

Discovery Session: November 20, 2013

Risk MAP Questionnaire: November 20, 2013

Community Representative: Timothy Masters, Building Inspector

1375 Ridge Road
PO Box 330
Lewiston, NY 14092
754-8213
tmasters@townoflewiston.us

Town of Lewiston Stream Study Requests:

1. Cayuga Creek should be a new detailed study from the Town of Lewiston corporate limit to the Route 31. There is flooding in this area due to undersized culverts under the railroad tracks. There is also an industrial park in this area.
2. Gill Creek should be a new detailed study through the Indian Reservation because of flooding issues along the creek. There is flooding caused by Gill Creek along Mount Hope Road and Chew Road and the reservation will not allow any changes to be made to the creek.
3. Tributary CC-T2 should be a detailed study from the south corporate limit to Bridgeman Road.

Other Stakeholders:

- Glen Calvary, Stormwater Manager
- John Sharpe, Engineer's Assistant, GIS Coordinator
- Nussbaumer & Clarke Engineers, Town Engineering Company

GIS Users:

- John Sharpe, Engineer's Assistant, GIS Coordinator
- Nussbaumer & Clarke Engineers, Town Engineering Company
- Timothy Masters, Building Department

Other Information of Interest:

- Existing Mapping Data
 - Political boundaries are available digitally and in hard copy
 - Transportation layers are available digitally
 - Contact John Sharpe
 - Land use and soil data are available in hardcopy and possibly digitally
 - Contact Niagara County Soil & Water and Cornell Coop Extension
 - Parcel and zoning data are available digitally
 - Contact John Sharpe or Tim Masters
 - Building footprints are not available
 - Essential/critical facilities are available digitally and in hardcopy
 - Contact John Sharpe
 - Historical flood inundation areas are not available
- Coastal Data
 - N/A
- Other Data

- Location of flood control structures is available digitally for the levee owned and maintained by NYS Power Authority
 - Contact John Sharpe
 - There are no dams within the community
 - Unsure about the availability of local survey data
 - Local flood gage and rain gage data is not available
 - There are no known piped or underground streams within the community
 - There are no relevant reports or studies available that include hydrologic and/or hydraulic studies
- Flood Mitigation Planning, Mapping Needs, and Historical Data
 - The current FEMA Special Flood Hazard Areas are accurate for the most part
 - See stream priorities above for details of areas that should be studied or restudied
 - The town does not have any recent experience with flood disasters or flood disaster recovery
 - The town has not conducted any mitigation activities to reduce flood losses. There have been many culvert improvements over the last 10-12 years, but not as a result of flood losses. Flood insurance rates have increased for residents in the town.
 - There are no verifiable high-water marks within the community
 - There are no areas of repeated flooding
- Community Plans and Projects
 - The town adopted the County Hazard Mitigation Plan
 - There has been development around Stella Niagara, Lower River Road, and Creek Road
 - The town has the following plans:
 - Land Use and Development
 - Open Space
 - Comprehensive
 - All above plans Updated in 2012- contact Tim Masters for a copy
 - The town has a Stormwater Plan that was implemented in the early 2000's
 - Contact Glen Calvary, Town Stormwater Manager
 - Watershed Management Plan
 - Additional assistance requested
 - Building and enforcement guidance
 - GIS training
- Comments and Additional Information
 - The flood risk is accurately depicted on the flood maps, but the level of risk is not appropriately reflected in the NFIP policies. The level of risk does not correspond to the amount people pay for flood insurance.
 - There is an issue with the Indian Reservation because the town cannot regulate any development and cannot make any changes to Gill Creek that may alleviate/mitigate flooding within the town.

Village of Lewiston, Niagara County, CID 360501

Pre- Discovery Session: Did not attend

Discovery Meeting: Did not attend

Risk MAP Questionnaire: None submitted

Village of Lewiston Stream Study Requests:

- The Village of Lewiston chose not attend either the pre-Discovery webinars or the in-person Discovery Meeting. No community Risk MAP Questionnaire was received by the NYSDEC. Absent different information, it is assumed the village has no stream study requests at this time.

City of Lockport, Niagara County, CID 360503

Pre- Discovery Session: Did not attend

Discovery Meeting: November 20, 2013

Risk MAP Questionnaire: November 20, 2013

Community Representative: Jason Dool

1 Locks Plaza
Lockport, NY 14094
716-439-6751

Clayton Dimmick, Building Inspector

1 Locks Plaza
Lockport, NY 14094
716-439-6754

cdimmick@lkptcity.com

City of Lockport Stream Study Requests:

1. Eighteenmile Creek should be restudied by detailed methods due to the current study's hydrology and hydraulics are both out of date.
2. Lincoln Avenue Branch should be restudied by detailed methods due to the hydrology and hydraulics for the current study being out of date.
3. The lower portion of Gulf Branch should be studied by detailed methods due to the current study's hydrology and hydraulics being out of date.

Other Stakeholders: None Listed

GIS Users: None listed

Other Information of Interest:

- Existing Mapping Data
 - No information available
- Coastal Data
 - No information provided
- Other Data
 - No information provided
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - The current FEMA Special Flood Hazard Areas are not accurate for the community. The hydrology and hydraulic data are outdated.
 - The City has had recent experience with flood disasters and flood disaster recovery. The most recent flood event was in June 2013 due to combine sewer over flow and heavy rains.
 - No information was provided about prior mitigation activities
 - No information was provided about high-water marks
 - The city experiences frequent flooding of Eighteenmile Creek.
- Community Plans and Projects
 - No information was provided on community plans or projects
 - No additional training or assistance requested

Town of Lockport, Niagara County, CID 361013

Pre- Discovery Session: Did not attend

Discovery Meeting: November 20, 2013

Risk MAP Questionnaire: November 20, 2013

Community Representative: Mark Crocker

5513 Forest Hill Road

Lockport, NY 14094

716-434-0898

Mcroc71603@aol.com

Robert Klauoon, P.E.

140 John Janes Audubon Parkway

Amherst, NY 14228

716-688-0766

rklafoon@wd.ae.com

Town of Lockport Stream Study Requests:

1. Tonawanda Creek has an existing LOMR which should be incorporated into any map updates.
2. Donner Creek has a LOMR with the engineering study paid for by the Town that should be incorporated into any updated mapping.

Other Information of Interest:

- No information provided on the Risk MAP Worksheet

Village of Middleport, Niagara County, CID 360505

Pre- Discovery Session: Did not attend

Discovery Meeting: November 20, 2013

Risk MAP Questionnaire: November 20, 2013

Community Representative: Rebecca Schweigert

24 Main Street
P.O. Box 186
Middleport, NY 14105
716-735-3303
middleportny@villageofmiddleport.org

Brian Belson, Code Enforcement Officer
24 Main Street
P.O. Box 186
Middleport, NY 14105
716-735-3303
code.enforce@villageofmiddleport.org

Village of Middleport Stream Study Requests:

1. The Village of Middleport feels the current FEMA Special Flood Hazard Areas are accurate for the community. There are no requests for new or updates studies at this time.

Other Stakeholders:

- Brian Belson, Building Inspector/Code Enforcement Officer, Village of Middleport; 24 Main Street, P.O. Box 186, Middleport, NY, 14105; code.enforce@villageofmiddleport.org
- Richard Westcott, Mayor, Village of Middleport; 24 Main Street, P.O. Box 186, Middleport, NY, 14105; mayorwestcott@villageofmiddleport.org

GIS Users:

- Brian Belson, Building Inspector/Code Enforcement Officer, Village of Middleport; 24 Main Street, P.O. Box 186, Middleport, NY, 14105; code.enforce@villageofmiddleport.org

Other Information of Interest:

- Existing Mapping Data
 - Political boundaries are available in hardcopy from the Village of Middleport
 - Transportation layers are not available
 - Land use and soil data are available from the Village of Middleport in hardcopy
 - Parcel and zoning data are available from the Village of Middleport in hardcopy
 - Building footprints are not available
 - Essential/critical facilities are not available
 - Historical flood inundation areas are not available
- Coastal Data
 - N/A
- Other Data
 - Location of flood control structures is not available
 - There is a reservoir dam owned by the Village of Middleport in the Town of Royalton
 - Contact the Town of Royalton or Wendell Engineering for more information
 - Local survey data is not available

- Local flood gage data is not available
 - Information on piped or underground streams within the village is not available
 - Relevant reports with hydrologic and/or hydraulic studies is not available.
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - The current FEMA Special Flood Hazard Areas are accurate for the community
 - The community does not have any recent experience with flood disasters or flood disaster recovery
 - The village has not had any prior mitigation activities to reduce flood losses
 - There are no verifiable high-water marks in the village
 - There has been some flooding within the village from stormwater runoff along Francis Street due to undersized storm drains
- Community Plans and Projects
 - The village is part of the Niagara County Hazard Mitigation Plan adopted in 2008
 - One project identified to reduce risk is to close the reservoir dam
 - Contact Rebecca for a copy of the plan
 - There are no areas of recent development or planned development in the village
 - There is a Local Waterfront Revitalization Plan filed with the Department of State in 2002
 - Contact Rebecca for a copy of the plan
 - The village does not have an Open Space Plan, a Stormwater Plan, a Comprehensive Plan, or a Watershed Management Plan
 - Additional assistance requested:
 - Community outreach is needed to explain to village residents why flood insurance is required

Town of Newfane, Niagara County, CID 360504

Pre- Discovery Session: Did not attend

Discovery Meeting: Did not attend

Risk MAP Questionnaire: December 27, 2013 and January 2, 2014

Community Representative: Timothy Horanburg, Town Supervisory

2737 Main Street
Newfane, NY 14108
716-778-8531 ext. 101

townsupervisor@roadrunner.com

Town of Newfane Stream Study Requests:

1. The Town of Newfane feels the current FEMA Special Flood Hazard Areas are accurate for the community. There are no requests for new or updates studies at this time.

Other Stakeholders:

- Brian Sibigna, PE, Town Engineer, Town of Newfane; 140 John Audubon Parkway, Suite 201, Amherst, NY 14228; 716-688-0766; bsibiga@wendelcompanies.com
- Scott Rybarczyk, PE, Wendel Engineering; 140 John Audubon Parkway, Suite 201, Amherst, NY 14228; 716-688-0766; scottry@wendelcompanies.com

GIS Users:

- Jacob T. Needle, Wendel Engineering; 140 John Audubon Parkway, Suite 201, Amherst, NY 14228; 716-688-0766; jneedle@wendelcompanies.com

Other Information of Interest:

- Existing Mapping Data
 - Political boundaries are available digitally
 - Contact Newfane Town Hall/Wendel Engineering
 - Transportation layers are available digitally
 - Contact Newfane Town Hall/Wendel Engineering
 - Land use and soil data are available digitally
 - Contact Newfane Town Hall/ Wendel Engineering
 - Parcel and zoning data are available digitally
 - Contact Newfane Town Hall/Wendel Engineering
 - Building footprints are available in hardcopy
 - Contact Newfane Town Hall
 - Essential/critical facilities are available digitally
 - Contact Newfane Town Hall/Wendel Engineering
 - Historical flood inundation areas are not available
- Coastal Data
 - The following data is not available:
 - Bathymetry
 - Location of coastal structures
 - Wave or tidal gage stations
 - Location of wind stations
 - Location of beach nourishment projects
 - Inland limit of primary frontal dune
 - Historic shoreline change data
 - Bluff erosion rate

- Areas of significant beach or bluff erosion are available in hardcopy
 - Contact Newfane Town Hall
 - Coastal bluff setback regulations are available in hardcopy
 - Contact Newfane Town Hall
- Other data
 - Location of flood control structures is not available
 - Location of dams is available in hardcopy
 - Contact Newfane Town Hall
 - Local survey data is available digitally
 - Wendel Engineering
 - Local rain gage data is available in hardcopy
 - Town of Newfane Wastewater Treatment Facility
 - There is not information available on any piped or underground streams
 - There are no reports or studies available that include hydrology and/or hydraulics
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - The current FEMA Special Flood Hazard areas are accurate for the community
 - The Town has experienced flooding of Olcott Beach in 1973 due to high water levels on Lake Ontario and a storm out of the northeast
 - The Town has not had any prior mitigation activities
 - There are no verifiable high water marks
 - There are no areas of repeated flooding
- Community Plans and Projects
 - The Town has is part of the County Hazard Mitigation Plan
 - There are no areas of recent development or likely future development
 - The Town has the following plans:
 - Land Use and Development
 - Local Waterfront Revitalization Plan 1998
 - Master Plan
 - The Town does not have the following plans:
 - Stormwater
 - Open Space
 - Watershed Management
 - No additional assistance requested

Town of Porter, Niagara County, CID 360510

Pre- Discovery Session: Did not attend

Discovery Meeting: November 20, 2013

Risk MAP Questionnaire: November 20, 2013

Community Representative: Roy Rogers, Building Inspector

Town of Porter
3265 Creek Road
Youngstown, NY 14174
716-745-3730 ext. 12
porterbuildinginspector@roadrunner.com

Town of Porter Stream Study Requests:

1. The Town of Porter feels the current FEMA Special Flood Hazard Areas are accurate for the community. There are no requests for new or updated studies at this time.

Other Stakeholders: None listed

GIS Users: None listed

Other Information of Interest:

- Existing Mapping Data
 - The town uses the county and state GIS data
- Coastal Data
 - None available from community
- Other Data
 - The following data is not available:
 - Location of flood control structures
 - Location of dams
 - Local survey data
 - Local food gage or rain gage data
 - Piped or underground streams
 - There is one hydrologic and hydraulic study available for an undeveloped area with flooding that may affect 1-2 structures
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - The current FEMA Special Flood Hazard Areas are accurate for the community
 - The town does not have recent experience with flood disaster or flood disaster recovery
 - The town has cleared drainage dishes and road culverts to mitigate flooding
 - There are no high-water marks within the community
 - There are no areas of repeated flooding within the town
- Community Plans and Projects
 - The town has adopted the County Hazard Mitigation Plan
 - There has been recent development of rebuilding homes along the lake shoreline
 - The town has a Land Use and Development Plan that is 5 – 7 years old and is being updated
 - The town does not have an open space plan
 - The town has a stormwater plan as part of being an MS4 community
 - The town has a Master Plan which includes a watershed management plan/program

- The community would like training in the following:
 - Floodplain management
 - Building and enforcement guidance
- Additional Comments from Scoping Map
 - There is a high erosion rate along the Fort Niagara Beach
 - There is a new culvert along Lutts Road for an unstudied tributary to Sixmile Creek

Town of Royalton, Niagara County, CID 360511

Pre- Discovery Session: Did not attend

Discovery Meeting: Did not attend

Risk MAP Questionnaire: None submitted

Town of Royalton Stream Study Requests:

- The Town of Royalton chose not attend either the pre-Discovery webinars or the in-person Discovery Meeting. No community Risk MAP Questionnaire was received by the NYSDEC. Absent different information, it is assumed the town has no stream study requests at this time.

Town of Somerset, Niagara County, CID 360512

Pre- Discovery Session: September 2013

Discovery Meeting: Did not attend

Risk MAP Questionnaire: September 13, 2013

Community Representative: Daniel Engert, Town Supervisory

8700 Haight Road

Baker, New York 14012

716-795-3575

Daniel.engert@gmail.com

Town of Somerset Stream Study Requests:

1. The Town of Somerset feels the current FEMA Special Flood Hazard Areas are accurate for the community. There are no requests for new or updated studies at this time.

Other Stakeholders:

- Randy Roeseler, Wendel Engineering; 140 John Audubon Parkway, Suite 201, Amherst, NY 14228; 716-688-0766; rroeseler@wendelcompanies.com
- Scott Rybarczyk, PE, Wendel Engineering; 140 John Audubon Parkway, Suite 201, Amherst, NY 14228; 716-688-0766; scottry@wendelcompanies.com
- Tim Zuber, Wendel Engineering; 140 John Audubon Parkway, Suite 201, Amherst, NY 14228; 716-688-0766; tzuber@wendelcompanies.com

GIS Users:

- Jacob Needle, Wendel Engineering; 140 John Audubon Parkway, Suite 201, Amherst, NY 14228; 716-688-0766; jneedle@wendelcompanies.com

Other Information of Interest:

- Existing Mapping Data
 - Political Boundaries are available digitally
 - Wendel Engineering / Town of Somerset
 - Transportation layers are available digitally
 - Wendel Engineering / Town of Somerset
 - Land use and soil data are available digitally
 - Wendel Engineering / Town of Somerset
 - Parcel and zoning data are available digitally
 - Wendel Engineering / Town of Somerset
 - Building footprints are not available
 - Essential/critical facilities are available digitally
 - Wendel Engineering / Town of Somerset
 - Historical flood inundation areas are not available
- Coast Data
 - Coastal bluff setback regulations are available digitally
 - Wendel Engineering / Town of Somerset
 - All other data is not available
- Other Data
 - Location of flood control structures are not available
 - Location of dams is not available
 - Local survey data is available digitally
 - Wendel Engineering / Town of Somerset

- Local rain gage data available in hardcopy
 - Town of Somerset Wastewater Treatment Facility
- Various highway and culvert crossings are available digitally
 - Wendel Engineering / Town of Somerset
- Routine maintenance and repair reports are available digitally from Wendel Engineering
- Flood Mitigation Planning, Mapping Needs, and Historical Data
 - The current FEMA Special Flood Hazard Areas are accurate for the community
 - The community does not have any recent experience with flood disasters or recovery
 - The town has not had any prior mitigation activities
 - There are no verifiable flood high water marks
 - There are no areas of repeated flooding
- Community Plans and Projects
 - The town does not have a hazard mitigation plan
 - There has not been any recent development or likely future development
 - The town has a Comprehensive Plan that was updated in 2013 that includes land use and development and open space
 - Wendel Engineering / Town of Somerset
 - The town does not have a Stormwater Plan
 - The town does not have a Watershed Management Plan
 - No additional assistance was requested

Town of Wilson, Niagara County, CID 360514

Pre-Discovery Meeting: Did not attend

Discovery Meeting: Did not attend

Risk Map Questionnaire: None submitted

Town of Wilson Stream Study Requests:

- The Town of Wilson chose not attend either the pre-Discovery webinars or the in-person Discovery Meeting. No community Risk MAP Questionnaire was received by the NYSDEC. Absent different information, it is assumed the town has no stream study requests at this time.

Village of Wilson, Niagara County, CID 360978

Pre-Discovery Meeting: Did not attend

Discovery Meeting: Did not attend

Risk Map Questionnaire: None submitted

Village of Wilson Stream Study Requests:

- The Village of Wilson chose not attend either the pre-Discovery webinars or the in-person Discovery Meeting. No community Risk MAP Questionnaire was received by the NYSDEC. Absent different information, it is assumed the village has no stream study requests at this time.

Orleans County, CID 36073C

Pre- Discovery Session: September 2013

Discovery Session: November 19, 2013

Risk MAP Questionnaire: November 19, 2013

Community Representative: Dennis Kirby

Orleans County Soil & Water

446 West Ave

Albion, NY 14411

585-589-5959

Dennis.kirby@ny.nacdn.net

Orleans County Stream Study Requests:

1. There are inaccuracies in the mapping for the towns of Barre and Clarendon.

Other Stakeholders:

- Orleans County Emergency Management
- Orleans County Planning Department

GIS Users:

- Orleans County Planning Department

Other Information of Interest:

- Existing Mapping Data
 - Contact Orleans County Planning Department for information and details
- Coastal Data
 - Contact Orleans County Planning Department for information and details
- Other Data
 - None provided
- Flood Mitigation Planning, Mapping Needs, and Historical Data
 - There are inaccuracies in the southeast part of the county including Town of Barre and the Town of Clarendon.
 - The County has not had much experience with flood disasters or flood disaster recovery
 - No information was provided for prior mitigation activities
 - There are no known high water marks
 - No areas were noted that have experienced repeated flooding events
- Community Plans and Projects
 - Contact the Genesee Finger Lakes Regional Planning for information on the County Hazard Mitigation Plan
 - There are no areas of recent or likely future development
 - The county does not have a land use and development plan
 - There are a lot of agricultural districts in the county
 - The county does not have a stormwater plan
 - The county does not have a comprehensive plan
 - The county participates in the Oak Orchard Watershed Protection Alliance
- The county would like additional training in floodplain management

Town of Albion, Orleans County, CID 361252

Pre- Discovery Session: September 2013

Discovery Meeting: November 19, 2013

Risk MAP Questionnaire: November 19, 2013

Community Representative: Dan Strong, Code Enforcement Officer

3665 Clarendon Road

Albion, NY 14411

585-589-7048 ext. 15

codes@townofalbion.com

Town of Albion Stream Study Requests:

1. The Town of Albion feels the current FEMA Special Flood Hazard Areas are accurate for the community, however digitized maps would be helpful for enforcement purposes.

Other Stakeholders:

- Jed Standish, Highway Superintendent, Town of Albion; 585-589-7048

GIS Users:

- Jim Bensley, Orleans County Planning Department
- Dennis Kirby, Orleans County Soil and Water

Other Information of Interest:

- Existing Mapping Data
 - Contact the County Planning Department
- Coastal Data
 - No information provided
- Other Data
 - Location of flood control structures are not available
 - Location of dams are not available
 - Local survey data may be available from the Town Highway Department
 - Contact Jed Standish
 - Local flood gage or rain gage data is not available
 - No information available on piped or underground streams within the community
 - There may be relevant reports available from Orleans County Soil and Water Conservation District
 - Contact Dennis Kirby
- Flood Mitigation Planning, Mapping Needs, and Historical Data
 - The current FEMA Special Flood Hazard Areas are accurate for the community
 - Most of the floodplain is farm fields with little development
 - Digital maps with elevation data would be useful as well as maps with a usable map scale
 - The Town has not had recent experience with flood disaster or flood disaster recovery
 - The Town regularly cleans out culverts and road side ditches to mitigate flooding and flood losses
 - There are no verifiable high water marks
- Community Plans and Projects
 - The Town may be part of the County Hazard Mitigation Plan

- There are no areas of recent development or likely future development
- The town has a Comprehensive Plan from 2011 that includes Land Use and Development
- The town does not have an Open Space Plan, Stormwater Plan, or Watershed Management Plan
- The town would like additional training in building and enforcement guidance

Village of Albion, Orleans County, CID 360641

Pre- Discovery Session: Did not attend

Discovery Meeting: November 2013

Risk MAP Questionnaire: November 2013

Community Representative: Dale Brooks

301 Washington Street
Albion, NY 14411
585-589-7061
dpw@villageofalbionny.com

Village of Albion Stream Study Requests:

1. West Branch Sandy Creek should be restudied by approximate methods
2. Marsh Creek should be studied by approximate methods. This creek is currently not studied.

Other Stakeholders:

- Ron Vendetti, Village of Albion; 35-37 East Bank St, Albion, NY 14411; 585-589-9176;
rvendetti@villageofalbionny.com

GIS Users:

- None listed

Other Information of Interest:

- Existing Mapping Data
 - Please contact County GIS Department
- Coastal Data
 - N/A
- Other Data
 - No information provided
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - Community representative is unsure of the accuracy of the current FEMA Special Flood Hazard Areas
 - There have been no prior flood mitigation activities
 - There are no verifiable high water marks
 - There is repeated seasonal flooding along Moore Street there has been work done to the storm sewer and creek to alleviate some of the flooding
- Community Plans and Projects
 - The village is unsure about the status of its Hazard Mitigation Plan
 - There are no areas of recent development or likely future development in the village
 - The village does not have the following plans:
 - Land Use and Development
 - Stormwater
 - The village may have a joint Comprehensive Plan with the town
 - Additional training requested
 - Floodplain Management
 - Hazard Mitigation
 - Building and Enforcement Guidance
 - Additional comments from map

- The town replaced a culvert on Brown Street
- The bridge was replaced on East State Street in 1970s/1980s
- The bridge on East Ave was replaced by the state in 2000/2001

Town of Barre, Orleans County, CID 361253

Pre- Discovery Session: Did not attend

Discovery Meeting: November 2013

Risk MAP Questionnaire: November 2013

Community Representative: Barry Flansburg, Assessor, Chairman of County Ag. Board

13608 Gillette Road

Albion, NY 14411

585-734-8372

barreas@rochester.rr.com

Town of Barre Stream Study Requests:

1. Updated mapping is needed by the town due to drainage ditches that have been installed since the last mapping in 1980s.

Other Stakeholders: None Listed

GIS Users: None listed

Other Information of Interest:

- Existing Mapping Data
 - Land Use and Soil data are available digitally
 - Parcel and zoning data are available digitally
 - Contact the County GIS Department for other information
- Coastal Data
 - N/A
- Other Data
 - There are no flood control structures
 - There are no dams within the community
 - Local survey data is not available
 - Local flood gage or rain gage data is not available
 - There are no available reports/studies that include hydrology/hydraulics
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - The current floodplain maps do not account for the drainage ditches installed within the watershed
 - The town has not had experience with flood disasters or flood recovery
 - The town has installed drainage ditches as a flood mitigation activity
 - There are no high water marks
 - There is minor flooding at stream crossing along Hill Road during heavy rains
- Community Plans and Projects
 - The Town does not have a hazard mitigation plan
 - There are no areas of recent development or likely future development
 - The town has a local zoning plan that includes land use and development restrictions
 - The town does not have the following plans:
 - Open Space
 - Stormwater
 - Watershed Management
 - The town has a comprehensive plan from 1997
 - The drainage ditch is installed to drain farmlands near Oak Orchard Creek

Town of Carlton, Orleans County, CID 360642

Pre- Discovery Session: Did not attend

Discovery Meeting: November 2013

Risk MAP Questionnaire: December 12-26-2013

Community Representatives: Dave Kraull & Gayle Ashbery (in person meeting)

Lynda Wolston
14341 Waterport Carlton Road
Carlton, NY 14571
585-451-2370

Town of Carlton Stream Study Requests:

- The Town of Carlton feel the current FEMA Special Flood Hazard Areas are accurate. There are no requests for new or updated studies at this time.

Other Stakeholders:

- James Bensley, Senior Planner, Orleans County Planning; 14016 County Route 31, Albion, NY 14411; 585-589-7000

GIS Users:

- James Bensley, Senior Planner, Orleans County Planning; 14016 County Route 31, Albion, NY 14411; 585-589-7000

Other Information of Interest:

- Existing Mapping Data
 - No available information from the town
- Coastal Data
 - Not available
- Other Data
 - No information provided

Town of Clarendon, Orleans County, CID 361254

Pre- Discovery Session: Did not attend

Discovery Meeting: Did not attend

Risk MAP Questionnaire: October 16, 2013

Community Representatives: Paul Chatfield, Town Engineer

David Griggs
4264 S. Fancher Road
Holley, NY 14470
585-638-6531
dgriggs@rochester.rr.com

Town of Clarendon Stream Study Requests:

- The Town would like updated mapping but no specifics were provided on the Risk MAP Worksheet to support this request.

Other Stakeholders:

- Richard Moy, Supervisor, Town of Clarendon; P.O. Box 145, Clarendon, NY 14229; 585-638-6371 ext. 105; rmoyssuprv@yahoo.com
- Larry Swanges, Highway Superintendent, Town of Clarendon; P.O. Box 145, Clarendon, NY 14229; 585-638-8547; highway400@aol.com

GIS Users:

- Orleans County Assessor's Office; Albion, NY; 585-589-5400; dawn.allen@orleansny.com
- Orleans County Soil and Water; Albion, NY; 585-589-5959; judy.bennett@ny.nacdnet.net

Other Information of Interest:

- Existing Mapping Data
 - The following data is available in hardcopy from Paul Chatfield, Town Engineer
 - Political Boundaries
 - Transportation layers
 - Land Use and Soil Data
 - Parcel and Zoning Data
 - Building Footprints
 - Essential/Critical Facilities
 - Historical Flood Inundation Areas
- Coastal Data
 - N/A
- Other Data
 - No information provided
- Floodplain Management, Mapping Needs and Historical Data
 - Community representative was unsure of Flood Insurance Rate Map accuracy for the community
 - The town does not have experience with flood disasters and flood disaster recovery
 - The town has not had any prior mitigation activities
 - There are no verifiable high water marks
 - There are no areas with repeated flooding

- Community Plans and Projects
 - The town has adopted the Orleans County
 - There has been no recent or likely future development within the town
 - The town does not have a separate Land Use and Development Plan
 - The town does not an Open Space Plan
 - The town does not have a Stormwater Plan
 - The town has a Comprehensive Plan from 2010
 - Contact Alan Robinson
 - The community does not participate in a Watershed Management Plan
 - No additional assistance was requested

Town of Gaines, Orleans County, CID# 361255

Pre- Discovery Session: Did not attend

Discovery Meeting: November 2013

Risk MAP Questionnaire: Not Completed

Community Representatives: Ron Mannella

Carol Culhane

Town of Gaines Stream Study Requests:

1. Otter Creek should be updated to a digital approximate study. There has been a bridge replacement on Eagle Harbor Waterport Road.
2. Marsh Creek should be updated to a digital approximate study due to a culvert enlargement on Bacon Road.

Other Information of Interest:

- Risk MAP Questionnaire was not completed
- Comments on Scoping Map
 - There was a bridge replaced on Eagle Harbor Waterport Road over Otter Creek
 - Replaced culvert on East Bacon Road at the Marsh Creek crossing. Culvert replacement was larger than original culvert.

Village of Holley, Orleans County, CID# 361454

Pre- Discovery Session: Did not attend

Discovery Meeting: Did not attend

Risk MAP Questionnaire: None submitted

Village of Holley Stream Study Requests:

- The Village of Holley chose not attend either the pre-Discovery webinars or the in-person Discovery Meeting. No community RiskMAP Questionnaire was received by the NYSDEC. Absent different information, it is assumed the village has no stream study requests at this time.

Town of Kendall, Orleans County, CID# 360643

Pre- Discovery Session: Did not attend

Discovery Meeting: November 2013

Risk MAP Questionnaire: November 2013

Community Representative:

Warren Kruger, Highway Superintendent
Town of Kendall
1776 Crandall Ave
Kendall, NY 14476
585-659-2650
sdellpine@rochester.rr.com

Town of Kendall Stream Study Requests:

1. Sandy Creek should be restudied by detailed methods. The current mapped floodplain is overstated.

Other Stakeholders: None listed

GIS Users: None listed

Other Information of Interest:

- Existing Mapping Data
 - There is countywide pictometry available
- Coastal Data
 - There is significant beach or bluff erosion along Bald Eagle Drive
- Other Data
 - No information available
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - The current FEMA Special Flood Hazard Areas are accurate for the community
 - The town has not had any experience with flood disasters or flood disaster recovery
 - The town has not completed any prior mitigation activities
 - There are no verifiable high water marks
 - There are no areas of repeated flooding within the community
- Community Plans and Projects
 - There has been no recent development or likely future development pressure within the town
 - The town is part of the countywide stormwater plan
 - The town has a comprehensive plan
 - The town does not have the following plans:
 - Hazard Mitigation
 - Open Space
 - Watershed Management
 - Land Use and Development
 - The community would like additional training on:
 - Floodplain Management
 - Hazard Mitigation
- Additional Comments

- The town has trouble with regularly clearing streams due to regulations
- There are some new homes in the northeast corner of the town

Village of Lyndonville, Orleans County, CID# 361459

Pre- Discovery Session: Did not attend

Discovery Meeting: November 2013

Risk MAP Questionnaire: November 2013

Community Representative:

Terry Woodworth, Superintendent of Public Works
Village of Lyndonville
2 S. Main Street
Lyndonville, NY 14098
585-765-9312
Lyndpw1@rochester.rr.com

Village of Lyndonville Stream Study Requests:

1. Johnson Creek should be restudied by detailed methods due to the age of the current study and the density of development within the village.

Other Stakeholders:

- Paul Chatfield, Chatfield Engineers
- Terri Woodworth, Village Clerk

GIS Users:

- Orleans County

Other Information of Interest:

- Existing Mapping Data
 - Political Boundaries are available in hardcopy
 - The village annexed some land from the town in the 1980s
 - Transportation data is available in hardcopy
 - Rail road bridge was removed about 2 years ago
 - Land Use and Soil data are not available
 - Parcel and Zoning data are available in hardcopy from the Zoning Officer
 - Building footprints are not available
 - Essential/Critical Facilities are not available
 - The Lyndonville Elementary School is now closed and likely to be sold
 - Historical Flood Inundation Areas are not available
 - Water and Sewer lines were recently mapped in GIS
 - Contact: New York Rural Water Association
- Coastal Data
 - N/A
- Other Data
 - Location of flood control structures is available in hardcopy
 - Location of dams may be available in hardcopy
 - Local survey data is not available
 - Local flood gage is not available
 - Local rain gage data is available in hardcopy and digital formats
 - Contact the water and sewer plant
 - There are no piped or underground streams

- There is a potential project for Johnson Pond that could result in a hydrologic and/or hydraulic study.
 - The village is trying to work with NYSDEC and USACE to dredge the silt out of Johnson Pond. The south walls of the dam and the north walls of the floodgate need repair.
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - The community representative is unsure of the accuracy of the current FEMA Special Flood Hazard Areas.
 - Johnson Creek downstream of the dam would be a priority for restudy.
 - The village does not have experience with flooding disasters and flood disaster recovery.
 - There have been no prior mitigation activities
 - There are photographs of high water marks but no real markings
 - There is occasional flooding of the yards along River and Garland Streets, but no residential structures impacted.
- Community Planning and Projects
 - Village does not have a Hazard Mitigation Plan
 - There has been some recent development and there are likely future development pressures within the village
 - There are a few new homes on Lynwood Drive
 - If the elementary school building is sold it may become apartments or a business complex
 - There may be ball fields developed along Lake Ave
 - The community does not have an Open Space Plan
 - The community does not have a Stormwater Plan
 - The village has a Comprehensive Plan
 - Contact Terri Woodworth, Village Clerk
 - The village does not have a watershed management plan
 - The community would like additional training on the following topics:
 - Building and Enforcement Guidance
 - GIS

Village of Medina, Orleans County, CID# 360644

Pre- Discovery Session: Did not attend

Discovery Session: Did not attend

Risk MAP Questionnaire: None submitted

Village of Medina Stream Study Requests:

- The Village of Medina chose not attend either the pre-Discovery webinars or the in-person Discovery Meeting. No community RiskMAP Questionnaire was received by the NYSDEC.
- The Town of Ridgeway requested Oak Orchard Creek be studied by detailed methods on behalf of the village. Base flood elevations are needed due to the density of development within the village.

Town of Murray, Orleans County, CID # 361256

Pre- Discovery Session: Did not attend

Discovery Meeting: November 2013

Risk MAP Questionnaire: November 2013

Community Representative:

Charles J. Felice
17140 Brockport-Holley Road
Holley, NY 14470
585-638-5138
holleychuck@aol.com

Town of Murray Stream Study Requests:

1. Sandy Creek should be an updated approximate study with approximate base flood elevations established. There is seasonal flooding along this creek, but no structures are effected.
2. East Branch Sandy Creek should be an updated approximate study with approximate base flood elevations established. There is seasonal flooding along this creek, but no structures are impacted.

Other Stakeholders: None listed

GIS Users: None within the town

Other Information of Interest:

- Existing Base Map Data
 - None available from the town
- Coastal Data
 - N/A
- Other Data
 - There are no flood control structures
 - There is a dam on the East Branch Sandy Creek in the Village of Holley that is used to produce electricity for the village.
 - Local survey data is not available
 - Local flood and rain gage data are not available
 - There are no piped or underground streams within the town
 - There are no relevant reports/studies that include hydrology and/or hydraulics
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - Community representative is unsure of the accuracy of the current FEMA Special Flood Hazard Areas because he has not reviewed the maps.
 - The town has not had any experience with flood disasters and flood disaster recovery
 - The town has completed prior mitigation activities, but no details were provided on the worksheet
 - There are no verifiable high-water marks within the community
 - There are areas of repeated seasonal flooding along Sandy Creek and East Branch Sandy Creek, but no structures are impacted by the flooding.
- Community Plans and Projects
 - The town does not have a Hazard Mitigation Plan

- There are no areas of recent development or likely future development within the community
- The town does have a Land Use and Development Plan
- The town is part of the Orleans County Open Space Plan
- The town has a Comprehensive Plan
- The community representative is unsure whether the town has a Stormwater Plan or a Watershed Management Plan
- Additional assistance/training requested:
 - Building and Enforcement Guidance
- Additional Comments:
 - Although the Town of Murray is not on the Lake Ontario coastline, the ice buildup on the lake is an issue to residents along the lake. The north wind that blows across the lake freezes and builds up the ice up to 7-10 feet in height.

Town of Ridgeway, Orleans County, CID# 361257

Pre- Discovery Session: Did not attend

Discovery Session: November 2013

Risk MAP Questionnaire: November 2013

Community Representative:

Daniel Wolfe, Code Enforcement Officer
Town of Ridgeway
585-798-0730
codemanwolfe@gmail.com

Town of Ridgeway Stream Study Requests:

1. Oak Orchard Creek should be updated to a digital approximate study with approximate base flood elevations. The current study is an old approximate study that is not very detailed or accurate for making determinations.

Other Stakeholders: None listed

GIS Users: None within the town

Other Information of Interest:

- Existing Mapping Data
 - The following data is not available:
 - Political boundaries
 - Transportation
 - Land use and soil
 - Building footprints
 - Essential/critical facilities
 - Historical flood inundation areas
 - The tax parcels are available digitally
- Coastal Data
 - N/A
- Other Data
 - There are no flood control structures within the community
 - There is a power generating dam at Greenwood Lake
 - No available local survey data
 - No local flood gage or rain gage data is available
 - There is a portion of a stream piped underground in the hamlet of Knowlesville
 - Contact: Mark Goheen, Highway Superintendent, Town of Ridgeway
 - There are no relevant reports/studies that include hydrology and/or hydraulics
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - The current FEMA Flood Insurance Rate Maps are very old and not very accurate. The community has trouble with using these maps to made determinations and there are no base flood elevations for the community.
 - The town does not have experience with flood disasters and flood disaster recovery
 - The town has cleared out culverts to mitigate flood losses
 - There may be high water marks on the Glenwood Lake Dam
 - Contact: Mark Goheen, Highway Superintendent

- There is nuisance flooding along the Erie Canal in the hamlet of Knowlesville
- Community Plans and Projects
 - Unsure of status of Hazard Mitigation Plan
 - There is small scattered individual developments within the town and an expansion of existing Brunner Industry
 - The town does not have the following plans:
 - Land Use and Development
 - Open Space
 - Stormwater
 - Watershed Management
 - Additional training or assistance requested:
 - Building and Enforcement Guidance

Town of Shelby, Orleans County, CID# 361258

Pre- Discovery Session: Did not attend

Discovery Meeting: November 2013

Risk MAP Questionnaire: November 2013

Community Representative:

Dan Wolfe, Code Enforcement Officer
Town of Shelby
4062 Salt Works Road
Medina, NY 14103
585-798-3120
codemanwolfe@gmail.com

Town of Shelby Stream Study Requests:

1. Oak Orchard Creek should be studied by detailed methods. The current maps are unusable and the community officials would like to have base flood elevations for the creek.
2. Fish Creek should be studied by detailed methods. The current maps are unusable and the community officials would like to have base food elevations for the creek.

Other Stakeholders: None listed

GIS Users: None within the town

Other Information of Interest:

- Existing Mapping Data
 - The following layers are not available:
 - Political boundaries
 - Transportation
 - Land use and soil
 - Building footprints
 - Essential/critical facilities
 - Historical flood inundations areas
 - Parcel and zoning data are available digitally from the Tax Assessor
- Coastal Data
 - N/A
- Other Data
 - There are no flood control structures within the community
 - There is a privately owned dam along Oak Orchard River near Martin Road
 - There is no local survey data available
 - There is no available flood gage or rain gage data
 - There are no piped or underground streams
 - There are no relevant reports with hydrology/hydraulic studies
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - The current FEMA Special Flood Hazard Areas are not accurate for the community. See stream study requests above.
 - The community does not have experience with flood disasters or flood disaster recovery
 - The community has not completed any prior mitigation activities

- There are no verifiable high water marks
 - There are a few areas of repeated flooding within the community:
 - There is minor flooding along Oak Orchard River in Shelby Center
 - There is flooding of Oak Orchard Creek near Creek Road and Route 63
 - There is flooding of the Oak Orchard Swamp.
- Community Plans and Projects
 - The community may be part of the Orleans County Hazard Mitigation Plan
 - There has not been much recent development or likely future development
 - The community does not have the following plans:
 - Open Space
 - Stormwater
 - Land Use and Development
 - Watershed Management
 - The community does have a Comprehensive Plan
 - The community would like additional training in:
 - Building and Enforcement Guidance

Town of Yates, Orleans County, CID# 360645

Pre- Discovery Session: Did not attend

Discovery Meeting: November 2013

Risk MAP Questionnaire: November 2013

Community Representative:

Steve Freeman
11909 Lakeshore Road
Lyndonville, NY 14098
585-765-2434
sfreeman@townofyates.org

Brad Bentley
11099 Roosevelt Hwy
Lyndonville, NY 14098
585-765-2874
Bwbentley24@gmail.com

Town of Yates Stream Study Requests:

- The Town of Yates would like updated digital maps with correct road names and ortho-imagery. The quality of the current maps makes them unusable for enforcement and determinations.

Other Stakeholders: None listed

GIS Users:

- Michell Harling, Assessor, Town of Yates; 585-765-9716

Other Information of Interest:

- Existing Mapping Data
 - The community uses the Orleans County GIS data
- Coastal Data
 - No information available
- Other Data
 - There are no flood control structures within the community
 - There is a dam in the Village of Lyndonville
 - There is no local survey data available
 - There is no local flood gage or rain gage data available
 - There are no piped or underground streams within the community
 - There are no relevant reports with hydrologic/hydraulic studies available
- Flood Mitigation Planning, Mapping Needs and Historical Data
 - Community officials feel that the current paper FEMA Flood Insurance Rate Maps are unusable due to scale and level of detail. The community needs digital maps with ortho-imagery to make determinations and properly enforce NFIP regulations.
 - The community does not have experience with flood disasters and flood disaster recovery
 - The town has not completed any prior mitigation activities
 - There are no verifiable high-water marks

- There is repeated flooding in the Village of Lyndonville near Garland Street and Lynwood Drive
- Community Plans and Projects
 - The town does not have a hazard mitigation plan
 - There are no areas of recent development or likely future development pressure
 - The town has a Comprehensive Plan that was last updated in 2002
 - The plan includes Land Use and Development
 - The town has a conservation of farmland plan
 - The town participates in the Johnson Creek Watershed Management Plan with the NRCS
 - Additional Training Requested:
 - Building and Enforcement Guidance
- Additional Comments from the map
 - The town has a requirement for a 75 foot set back from mean high water for construction along the shoreline
 - There is shoreline protection of rip rap and break walls for 50% of the shoreline
 - There was a bridge replacement on Blood Road done by Orleans County
 - There is a new box culvert on Lyndonville Road north of Yates Center
 - There was a culvert replacement in 2013 on Alps Road by the Town of Yates

Watershed Stream Priority Memorandums

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Bureau of Flood Protection and Dam Safety

625 Broadway, Albany, New York 12233-3504

P: (518) 402-8185 | F: (518) 402-9029

www.dec.ny.gov

MEMORANDUM

To: Alan Springett, FEMA Region II
From: NYSDEC Floodplain Management Section
Date: January 27, 2015
Re: Oak Orchard-Twelvemile Watershed Prioritized Mapping Requests

One initial Community Engagement Webinar was held for all stakeholders within the Lake Ontario watershed on August 13, 2013. The purpose of this initial webinar was to introduce stakeholders to the Discovery project concepts and discuss upcoming timelines for future webinars and meetings that should be attended.

Pre-Discovery community engagement meetings were held for the Oak Orchard-Twelvemile Watershed via webinar the week of September 16, 2013. The purpose of the pre-Discovery webinars was to discuss the Discovery process and collect information on community mapping needs, as well as determine if any existing data could be incorporated into a possible Risk MAP project. There were nine webinar meetings held for the counties, communities, and other interested stakeholders throughout the Lake Ontario Contributing watershed area. Stakeholders within the Oak Orchard-Twelvemile watershed were specifically invited to attend the Pre-Discovery webinars on September 18 and September 19, 2013; however they were welcome to attend any of the nine webinars held that week. Participation on the webinars was mixed with some counties and communities very interested in providing feedback and other communities less active in the conversation.

Following the pre-Discovery Engagement meetings the project team held ten Discovery meetings for stakeholders within the Lake Ontario Contributing watersheds during the weeks of November 11th and November 18th, 2013. There were four in-person meetings, the first was held during the morning of November 19th, the next the afternoon of November 19th, the third on the morning of November 20th, and the fourth meeting was held during the afternoon of November 20th, for stakeholders within the Oak Orchard-Twelvemile watershed. During these meetings the project team followed up on the information collected during the pre-Discovery meetings and provided an additional opportunity for the communities and other stakeholders to give further information on mapping needs. NYSDEC used the information collected throughout the Discovery process, as well as information collected from previous stakeholder engagement meetings, to develop this list of stream restudy priorities. All study requests will be entered into CNMS to be considered for future floodplain mapping projects.

List of Stream Study Priorities for Oak Orchard-Twelvemile Watershed.

1. Oak Orchard Creek should be studied by detailed methods for 15.06 miles in the Town of Shelby and the Village of Medina due to the age of the current Flood Insurance Rate Maps for the communities and the need for base flood elevations due to the density of development. This stream study was requested by the Town of Shelby and the Town of Ridgeway on behalf of the Village of Medina, all in Orleans County.



Department of
Environmental
Conservation

2. Johnson Creek should be studied by detailed methods for 15.54 miles through the Town of Yates, Village of Lyndonville, and the Town of Carlton to the Lake Ontario Confluence. The Town of Yates, Village of Lyndonville, and Orleans County requested the updated study due to the density of development around the stream, age of the current study and lack of detail and overall usability of the current Flood Insurance Rate Maps.
3. Sandy Creek should be restudied by detailed methods for 3.22 miles in the Town of Kendall. The current mapped floodplain is over stated and outdated. This study was requested by the Town of Kendall, Orleans County.
4. Fish Creek should be studied by detailed methods for 6.27 miles in the Town of Shelby. The current maps are unusable and the community officials would like to have base flood elevations for the creek. This stream study was requested by the Town of Shelby, Orleans County.
5. Whitney Creek should be studied by detailed methods for 8.78 miles from Route 77 to the Tonawanda Wildlife Management Area in the Town of Alabama due to new industrial chip plant development. This stream study was requested by Genesee County.
6. The Lake Ontario shoreline should be studied using detailed methods within the Town of Greece and along the length of shoreline within Niagara County. Niagara County and Monroe County officials have requested new detailed study of the Lake Ontario shoreline due to the amount of development along Lake Ontario and the low lying topography of the shoreline. Base flood elevations would be useful to aid community officials regulating development.
7. Round Pond Creek should be studied by detailed methods for 12.5 miles in the Town of Gates and Town of Greece. There is a large section of piped stream near Jennifer Circle in the Town of Gates and inaccuracies with the floodplain delineation. A culvert that was replaced by NYSDOT under NY Route 104 in the Town of Greece. The floodplain is now understated. The shopping center to the east of Fox Meadow Road and Long Pong reported \$100,000 in damage in 2009. The affected areas upstream of the culvert include the Town Park with recreation facilities. The culvert inlet was elevated during the replacement. The downstream impacts of the culvert replacement are not yet understood. There has also been increased development near the upstream reaches in the Town of Gates that has increased the peak flow rates since the last time the creek was studied. There is a technical report on the Upper Round Pond Creek Basin completed by Barton & Loguidice in September 2010 and provided at the Discovery meeting. This study was requested by the Town of Gates and the Town of Greece, both in Monroe County.
8. Unnamed Stream No.1 should be a new detailed study for 0.7 miles from Maltby Road to the Oakfield town line due to increased development pressure and significant residential growth due to Nanopark in the Town of Alabama. This stream study was requested by the Town of Oakfield, Genesee County.
9. Unnamed Stream No.2 should be a new detailed study for 3.22 miles in the Town of Oakfield from north of Drake Street Road at confluence with Unnamed Stream No.1 to Batavia Oakfield Town Line Road due to growth and development in the Town and Village. This stream study was requested by the Town of Oakfield, Genesee County.

10. Unnamed Stream No.3 should be a new detailed study for 4.39 miles in the Town of Oakfield from north of Maltby Road to southwest of Hutton Road due to increased growth and development. This stream study was requested by the Town of Oakfield, Genesee County.
11. Unnamed Stream No. 4 should be a detailed study for 3.5 miles in the Town of Oakfield from just north of Maltby Road to the intersection of Fisher Road and Lewiston Road due to increased growth and development. This stream study was requested by the Town of Oakfield, Genesee County.
12. Buttonwood Creek should be studied a new detailed study for 12.86 miles from the southern corporate limits of the Town of Parma to the confluence with Braddock Bay in the Town of Greece. This area is subject to development pressure and is an area in which the Town of Greece and neighboring upstream communities will be developing a model for inter-municipal floodplain management of the Buttonwood Creek drainage basin. This stream study was requested by the Town of Greece and the Town of Parma, both in Monroe County.
13. Long Pond Creek should be an updated detailed study for 1.38 miles due to inaccuracies in the floodplain delineation. Drawings and dimensions of underground piping provided on scoping map. There is also a retention pond on Rahway Road. This study was requested by the Town of Gates, Monroe County.
14. Brush Creek should be a new detailed study for 1.02 miles due to flooding caused by a historically incorrectly sloped and undersized culvert at the abandoned rail road embankment. The flooding experienced in this area does not match the mapped floodplain. There is a Final Brush Creek Drainage Report prepared by Erdman-Anthony in March 2007 which was provided at the Discovery meeting. This stream study was requested by the Town of Greece, Monroe County.
15. Salmon Creek should be restudied by detailed methods for 6.48 miles from the confluence with Braddock Bay in the Town of Parma through the Village of Hilton to Hill Road in the Town of Parma. There is an apartment complex that was built in September 2013 that narrowed the creek significantly near Village II Drive in the Village of Hilton. The Town of Parma would like the topography to be updated within the Town of Parma Corporate limits. Some areas along the creek are more elevated than currently indicated on the FIRMs. This area is already fully developed. This stream study was requested by the Town of Parma and the Village of Hilton, both in Monroe County.
16. Tallwood Ditch should be a new detailed study for 0.56 miles through the Village of Hilton due to flooding along the stream which is currently not mapped. There are planned detention ponds for this area. This stream study was requested by the Village of Hilton, Monroe County.
17. West Creek should be a detailed study for 5.07 miles, the entire length of the stream within the Town of Parma. There is a sewer line running along the length of the creek, and nearby there is significant development. The flood extents on the existing FIRM are inaccurate near the intersection of North Ave and Dunbar Ave and the area needs new topography. There is a retention pond located in the flood zone near Collamar Road and the area is development prone. This study was requested by the Town of Parma, Monroe County.

18. Eighteenmile Creek should be restudied by detailed methods for approximately 3.0 miles in the City of Lockport due to the current study having out of dated hydrology and hydraulics. This study was requested by the City of Lockport, Niagara County.
19. Gulf Branch should be studied by detailed methods for 2.11 miles in the City of Lockport due to the current study having out of dates hydrology and hydraulics. This study was requested by the City of Lockport, Niagara County.
20. There should be a detailed study of the tributary to Salmon Creek for 1.35 miles between Washington Street and South of the Barge Canal in the Town of Ogden. There is currently an approximate flood study available for this area, but detailed base flood elevations are desired by the community. This streams study was requested by the Town of Ogden, Monroe County.
21. East Creek should be studied by detailed methods for 0.74 miles from the confluence with Lake Ontario to Huffer Road in the Town of Parma. This study was requested by the Town of Parma, Monroe County.
22. Northrup Creek should be studied by detailed methods the entire length within the Town of Parma for 5.17 miles. There is a new sewer line and the area is starting to develop. The flood extends near Dean Road are inaccurate. There is a drainage ditch near Dean Road that is not on the existing FIRM. This segment of stream was recently restudied as part of the 2008 Monroe County mapping revision. This study was requested by the Town of Parma, Monroe County.

There was one stream study request for a limited detailed study within the Town of Sweden in Monroe County.

23. Brockport Creek should be a limited detail study for 0.6 miles in the Town of Sweden due to the culvert under E Canal Road that is undersized and has caused flooding in the area that may be more extensive than what is shown on the current maps. This study was requested by the Town of Sweden.

Both Niagara and Monroe Counties have digital mapping, but have some concerns with the accuracy of the topography used and have requested some studies be redelineated on new topography.

24. Otis Creek should be redelineated for 1.95 miles from the confluence with Salmon Creek to the corporate limit of the Town of Parma. The existing flood extents seem accurate but new topography would be helpful. This area of the community is already fully developed. This stream study was requested by the Town of Parma, Monroe County.
25. Larkin Creek (North Branch) should be redelineated for 1.56 miles due to the number of LOMAs for the area around Kuhn Road and Long Pond Road. Although the Town of Greece requested that this stream be a new details study for this area, the stream was restudied as part of the 2008 Monroe County mapping revision. Therefore, we feel a redelineation onto new topography due to the number of LOMAs is a more appropriate

use of mapping resources. This stream study was requested by the Town of Greece, Monroe County.

26. Brush Creek should be redelineated for 0.63 miles from the confluence with Lake Ontario to the corporate limits in the Town of Parma. The existing FIRM is accurate. This stream study was requested by the Town of Parma, Monroe County.

Communities also provided a list of stream segments where they would like to see updated approximate studies. Orleans County in particular would like to see at countywide digitization due to the age and lack of detail in the current Flood Insurance Rate Maps. The Orleans County community maps were completed in the late 1970's early 1980's and approximate mapping techniques have greatly improved since the communities were last mapped. Any mapping project moving forward within the Oak Orchard-Twelve Mile Watershed should include these updated approximate studies if the required topography is available.

27. The Town of Albion, in Orleans County, would like all approximate studies to be updated to digital approximate studies due to the age and limited detail of the current floodplain maps. This would be approximately 8.02 miles of updated approximate study.
28. West Branch Sandy Creek should be restudied by approximate methods for 2.08 miles within the Village of Albion due to the age and limited detail available on the current floodplain maps. This study was requested by the Village of Albion, Orleans County.
29. Marsh Creek should be studied by approximate methods for 0.77 miles within the Village of Albion. The creek is currently not studied. This stream study was requested by the Village of Albion, Orleans County.
30. East Branch Sandy Creek should be studied by approximate methods for 17.7 miles in the Town of Clarendon and the Town of Murray due to inaccuracies and gaps in the current approximate study and changes in technique for approximate studies. There is seasonal flooding of the creek in the Town of Murray, but no structures have been impacted by the flooding. This stream study was requested by the Town of Clarendon, the Town of Murray, and Orleans County.
31. The Tributaries to Oak Orchard Creek should be updated approximate studies for 8.5 miles within the Town of Barre. The current studies are out dated and lack sufficient detail for use by the community. The county and community also feel the current floodplains are over stated and inaccurate. These stream studies were requested by the Town of Barre and Orleans County.
32. Manning Muckland Creek should be an updated digital approximate study for 4.28 miles and Manning Muckland Creek Tributary should be an updated digital approximate study for 0.82 miles in the Town of Barre. The current studies is outdated and the community and county officials feel that the floodplain is over stated and inaccurate. The stream studies was requested by the Town of Barre and Orleans County.
33. The approximate studies of the tributaries to East Branch Sandy Creek should be updated with the new approximate methods within the Town of Clarendon due to the age and lack

of detail on the current floodplain map. East Branch Sandy Creek Tributary 3 should be a new approximate study for 0.9 miles. East Branch Sandy Creek Tributary 2 should be a new approximate study for 1.42 miles. These studies were requested by the Town of Clarendon and Orleans County.

34. The Town of Yates would like all approximate studies within the Town to be updated to digital approximate studies due the lack of detail and inaccuracies of the current FIRMs for the community. This would be approximately 49.6 miles of approximate study. These stream studies were requested by the Town of Yates, Orleans County.
35. Otter Creek should be a new digital approximate study for 4.87 miles in the Town of Gaines. There has been a bridge replacement on Eagle Harbor Waterport Road. This stream study was requested by the Town of Gaines, Orleans County.
36. Marsh Creek should be a new digital approximate study for 6.48 miles due to a culvert enlargement on Bacon Road in the Town of Gaines. This stream study was requested by the Town of Gaines, Orleans County.
37. Sandy Creek should be an updated approximate study with approximate base flood elevations established for 1.53 miles within the Town of Murray. There is seasonal flooding along this creek, but no structures are effected. This stream study was requested by the Town of Murray, Orleans County.

Requests outside of the project area:

- Black Creek should be mapped by approximate methods from the Thruway in Stafford to the Bethany town line for 4.94 miles. This section of the Black Creek is currently not mapped. This study was requested by Genesee County (Lower Genesee Watershed)
- Spring Creek should be studied by approximate methods for 5.4 miles in the Town of Byron. The current study end at the Town of Elba town line. This study was requested by Genesee County. (Lower Genesee Watershed)
- Spring Creek Tributary 1 (Located between N. Byron Road and Tower Hill Road) should be studied by approximate methods in the Town of Byron for 3.24 Miles from the corporate limit with the Town of Elba to the confluence with Spring Creek. The current study ends at the Elba town line and the Count and community officials feel that the study should continue into the town of Byron. This study was requested by the Town of Byron and Genesee County. (Lower Genesee Watershed)
- The Spring Creek Tributary 5 approximate study should be continued from the Town of Elba to the confluence with Spring Creek in the Town of Byron for 0.33 miles. And the Spring Creek Tributary 7 approximate study should be continued from the Town of Elba to the confluence with Spring Creek in the Town of Byron for 0.14 miles. This was requested by the Town of Byron and Genesee County. (Lower Genesee Watershed)
- White Creek needs to be studied by approximate methods for 1.51 miles in the Town of Stafford along the East Bethany LeRoy Road. This stream study was requested by Genesee County. (Lower Genesee Watershed)

- The Oatka Creek should be updated to a detailed study for 2.53 miles within the Village of LeRoy. This stream study was requested by Genesee County (Lower Genesee Watershed)
- Mud Creek Tributary should be studied by limited detailed methods for 2.28 miles from the Village of LeRoy corporate limit to Perry Road in the Town of LeRoy due to proposed development in this area. This study was requested by the Town of LeRoy. (Lower Genesee Watershed)
- Irondequoit Bay should be studied by detailed methods for approximately 6.18 miles due to varying elevations for communities along the bay. This study was requested by Monroe County (Irondequoit Ninemile Watershed)
- Irondequoit Creek should be study by detailed methods for 36.25 miles within Monroe County due to the age of the current study and the frequency of flooding events along the creek. (Irondequoit-Ninemile Watershed)
- Black Creek should be studied by detailed methods for 22.14 miles within Monroe County due to the age of the current study and the frequency of flooding events along the creek. This study was requested by Monroe County. (Lower Genesee Watershed)
- Little Black Creek should have an updated detailed within the Town of Gates and the Town of Ogden. The Town of Gates requested the study due to the number of LOMAs within the creeks floodplain. Town of Ogden is experiencing development near Route 33 and Buffalo Road and feels the floodplain extent may be over stated. This stream study was requested by the Town of Gates and the Town of Ogden. (Lower Genesee Watershed)
- Buffalo Creek should have an updated detailed study for 1.89 miles within the Town of Gates that continues through the culvert under the ramp to I-490. This stream study was requested by the Town of Gates. (Lower Genesee Watershed)
- Cayuga Creek should be a new detailed study from the Town of Lewiston corporate limit to the Route 31 for 0.83 miles. There is flooding in this area due to undersized culverts under the railroad tracks. There is also an industrial park in this area. This study was requested by the Town of Lewiston. (Niagara Watershed)
- Gill Creek should be a new detailed study for 3.2 miles through the Indian Reservation because of flooding issues along the creek. There is flooding caused by Gill Creek along Mount Hope Road and Chew Road and the reservation will not allow any changes to be made to the creek. This study was requested by the Town of Lewiston. (Niagara Watershed)
- Tributary CC-t2 should be a detailed study from the south corporate limit to Bridgeman Road This study was requested by the Town of Lewiston. (Niagara Watershed)

- Lincoln Avenue Branch should be restudied by detailed methods in the City of Lockport due to the current study being out of date in both hydrology and hydraulics. (Niagara Watershed)
- Tonawanda Creek has an existing LOMR which should be incorporated into any map updates. This was requested by the Town of Lockport. (Niagara Watershed)
- Donner Creek has a LOMR with the engineering study paid for by the Town of Lockport that should be incorporated into any updated mapping. This was requested by the Town of Lockport. (Niagara Watershed)