

Discovery Report Appendix H

Discovery Meeting Summary Memorandum

Lake Champlain Watershed

HUC 04150408

September 2016



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

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Memorandum

To: Lake Champlain Watershed Discovery Project File
From: NYSDEC Floodplain Management Section
Date: August 2016
Re: Lake Champlain Watershed Discovery Meeting Summary

Two initial Pre-Discovery webinars were held for all stakeholders within the Lake Champlain Watershed on April 5, 2016 and April 7, 2016. The purpose of these webinars was to:

- introduce watershed stakeholders to Risk MAP Discovery project concepts;
- review the Discovery Stakeholder Survey to be completed by watershed stakeholders; the survey served as a way for FEMA and NYSDEC to collect information upfront on communities mapping needs and existing data that could be incorporated into a possible Risk MAP project; and
- to discuss upcoming timelines for future Discovery Meetings and the Discovery project overall.

Four Risk MAP Discovery Meetings were held in the Lake Champlain Watershed during the week of June 6, 2016. The purpose of the Discovery Meetings was to present the draft Discovery Report and Maps containing the information collected to date, and to provide the communities with an additional opportunity for input.

This memo is a summary of the information collected through the Discovery project engagement process for the Lake Champlain Watershed and will be used to determine the floodplain mapping restudy priorities.

Clinton County, CID# 36019C

Pre- Discovery Webinar Attendance: Attended

Discovery Stakeholder Survey Completed: April 5, 2016, May 4, 2016, June 6, 2016, June 7, 2016

Discovery Meeting Attendance: June 7, 2016

Community Representative(s):

Glen Cutter, Senior Planner (Pre-Meeting Survey and Meeting)

Clinton County Planning Department

135 Margaret Street

Suite 124

Plattsburgh, NY 12901

518-565-4567

glen.cutter@clintoncountygov.com

Eric Day, Director (Pre-Meeting Survey and Meeting)

Clinton County Emergency Services

16 Emergency Services Drive

Plattsburgh, NY 12903

518-565-4792

eric.day@clintoncountygov.org

Peter Hagar, District Manager (Pre-Meeting Survey)

Clinton County Soil and Conservation District

6064 Route 22

Suite 1

Plattsburgh, NY 12901

518-561-4616, extension 3

peter.hagar@ccsoil-water.com

Other Representative(s):

Ryan Crehan, Wetland Restoration Biologist (Meeting)

U.S. Fish and Wildlife Service

11 Lincoln Street

Essex Junction, VT 05452

802-872-0629, extension 24

ryan_crehan@fws.gov

Kim Farnum, Field Advisor (Meeting)

New York Farm Bureau

2472 State Route 11

Mooers, NY

518-935-8569

kfarnum@nyfb.org

Mark Malchoff, Educator Aquatic Resource Specialist (Meeting)

Lake Champlain Sea Grant

State University of New York (SUNY) Plattsburgh

136B Hudson Hall

Plattsburgh, NY

518-564-3037
malchom@plattsburgh.edu

Eileen B. Allen, GIS Coordinator (Pre-Meeting Survey)
SUNY Plattsburgh
Center for Earth and Environmental Sciences
101 Broad Street
Plattsburgh, NY 12901
518-564-2020
alleneb@plattsburgh.edu

Clinton County Stream Study Requests (in priority order):

1. Lake Champlain shoreline is in need of an updated detailed study. There has been significant development along the shoreline.
2. Great Chazy River is in need of an updated detailed study. The flow of the river has changed and dams have been removed.
3. Little Chazy River is in need of a new detailed study.

General comments about the FIRMs:

Most of the FIRMs in Clinton County are not accurate. There are towns with no floodplain information and some with partial information - these towns have as much likelihood for flooding as many of the others. Many streams in Clinton County have floodplain boundaries that are unrealistic.

Comments on flooding sources outside of the Lake Champlain watershed (These needs will be entered into FEMA's Coordinated Needs Management Strategy tracking system): Saranac and Ausable Rivers are in need of updated detailed studies. There have been buyouts of properties along these flooding sources. True Brook is in need of a new detailed study in the Town of Saranac. There have been homes recently built in this area.

Other Stakeholders:

- N/A

GIS Users:

- Glen Cutter, Senior Planner
Clinton County Planning Department
135 Margaret Street
Suite 124
Plattsburgh, NY 12901
518-565-4567
glen.cutter@clintoncountygov.com
- Rodney Brown, Chairman
Clinton County Planning Department
135 Margaret Street
Suite 124
Plattsburgh, NY 12901
518-565-4709
rodney.brown@clintoncountygov.com

- Eileen B. Allen, GIS Coordinator
SUNY Plattsburgh
Center for Earth and Environmental Sciences
101 Broad Street
Plattsburgh, NY 12901
518-564-2020
alleneb@plattsburgh.edu

Historical Flood Problems:

- Several major flooding events have occurred that affected the county in the past 20 years, including events in 1996, 1998, 2010 and 2011 (Irene).
- Significant flooding along Lake Champlain occurred in Spring 2011.
- Ausable River (outside of project area) flooded during Irene in 2011.
- Ice jamming is a major factor on many rivers in the county.
- The Village of Champlain has repeated flooding problems.
- Great Chazy River, Lake Champlain, Saranac River, and Ausable River (latter two outside of project area) all commonly flood. This has resulted in bank/rock movement for Great Chazy River.
- The ferry dock and a mobile home park to the west of the closed Air Force base have flooded in the past.
- There are verifiable high water marks in the county, including marks on trees along the lakefront.

Community Planning and Ongoing Projects:

- There are ongoing projects including bridge/culvert replacements in the county. These include a bridge replacement for True Brook Road. The County Highway Department can provide a complete list of projects.
- There is recent development in the county, notably on the north side of the City of Plattsburgh along the lake and along North Margaret Street within the City.
- There is some interest in developing the land along West Branch Fish Creek for residential and recreational use. Large lots have been subdivided but no building has started.
- There are some culverted streams in the Town of Plattsburgh.
- The Towns of Plattsburgh, Chazy and Penn have enacted zoning laws that restrict development in floodplains and wetland areas.
- There is a watershed management plan for the Ausable River released by DOS.
- The county representatives were unsure if any other watershed management plans were in place. Rodney Brown, Planning Department Chairman (518-565-4709; Rodney.brown@clintoncountygov.com) is the point of contact to confirm.

Mitigation Activities:

- The county hazard mitigation plan was updated in 2014. Rodney Brown, Planning Department Chairman is the point of contact.
- Buyouts in certain locations have occurred, mainly along the Ausable River.

Training Needs:

- Training on the following topics would be helpful:
 - Floodplain Management Administration
 - Effective Public Outreach
 - Building Code Requirements
 - Hazard Mitigation & Grant Programs

National Flood Insurance Program/Floodplain Management Information:

- There are LOMC clusters in the vicinity of Lake Champlain.
- The county is familiar with the CRS program and would like more information about it.

Available Data:

- Base Map Data
 - Political boundaries are available in GIS digital format.
 - Contact: Glen Cutter, Clinton County Planning Department
 - Transportation features are available in GIS format.
 - Contact: Glen Cutter, Clinton County Planning Department
 - Parcel and zoning data are available in GIS format. (Zoning – partially available)
 - Contact: Glen Cutter, Clinton County Planning Department
 - Building footprint data are not available. However address points on structures are available in GIS format.
 - Contact: Glen Cutter, Clinton County Planning Department
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are available from the NYSDEC dataset.
 - Local survey data are available in hard copy format.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the county.
 - In addition to the USGS HUC data, the NYS Adirondack Park Agency has delineated watersheds throughout the Adirondack Park. These data are available at the NYS GIS Clearinghouse and the NYS Adirondack Park Agency sites.
- Risk Assessment Data
 - Essential/critical facilities data are available in GIS format.
 - Contact: Glen Cutter, Clinton County Planning Department
 - Inundation maps for the Town of Saranac's reservoir, Taylor Pond, and Davis Lake are available in hard copy format.

Additional Comments:

- From Scoping Maps
 - There is an undersized bridge in Ellenburg for Route 190 that results in flooding. The stream name is not listed.
 - A bridge and dam were removed near Miner Lake along an unnamed tributary to the east of Irona.
- Other
 - There have been some revised corporate boundaries recently for Rouses Point and possibly the City of Plattsburgh.
 - The county has concerns about fluvial erosion.
 - Mr. Malchoff shared flood hazard maps developed for portion of the Ausable and Boquet Watersheds by Lake Champlain Sea Grant.

Town of Altona, Clinton County, CID# 361379

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: May 5, 2016, June 7, 2016

Discovery Meeting Attendance: June 7, 2016

Community Representative(s):

Larry Ross, Town Supervisor (Pre-Meeting Survey and Meeting)

Town of Altona

3124 Miner Farm Road

Altona, NY 12910

518-236-7035

AltSupv@netzero.net

Chris Therrian, Codes Officer (Meeting)

Town of Altona

3124 Miner Farm Road

Altona, NY 12910

518-236-7035

Town of Altona Stream Study Requests (in priority order):

1. Great Chazy River is in need of a revised approximate study. The river has changed course, especially along Joe Wood Road. The floodplain in the vicinity of Woodsfalls Road is not accurate.
2. Tributary of Witherspoon Brook needs an updated detailed study to show the removal of a dam.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- The Great Chazy River has caused repetitive bridge wash outs that have led to fatalities in the Town of Altona. This river has also caused repetitive flooding along roads in the vicinity, including Devil's Den Road.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are no recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update.
- There is not recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town participates in the county hazard mitigation plan. Larry Ross, Town Supervisor (518-236-7035) is the point of contact.

- The town has taken action to remove rocks from the Great Chazy River and remove a faulty dam as referenced in the hazard mitigation plan. Stream restoration activities were performed in August 2011 after Hurricane Irene.

Training Needs:

- Training on the following topics would be helpful to the town:
 - Effective Public Outreach
 - Hazard Mitigation & Grant Programs

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the town.
- The town is not familiar with the CRS program and would like more information about it.
- The town has an active floodplain development permit process. The town's Code Enforcement Officer is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in hard copy, GIS, and other digital format.
 - Online resources are used.
 - Transportation features are available in hard copy, GIS, and other digital format.
 - Parcel and zoning data are available in hard copy, GIS, and other digital format.
 - Online resources are used.
 - Building footprint data are available in hard copy, GIS, and other digital format.
 - Online resources are used.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are available in hard copy format.
 - NYSDEC data are used.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are available in hard copy and GIS format.
 - Hazard mapping data are available in hard copy and GIS format.
 - Historical flood inundation areas are available in hard copy, GIS, and other digital format.

Additional Comments:

- From Scoping Maps
 - There was a dam removed along Great Chazy River south of Stark Road.
 - Repeated washout of Rock Road bridge over Great Chazy River.
- Other
 - N/A

Town of Ausable, Clinton County, CID# 360165
Pre- Discovery Webinar Attendance: Attended
Discovery Stakeholder Survey Completed: June 7, 2016
Discovery Meeting Attendance: June 7, 2016

Community Representative(s):
Sandy Senecal, Town Supervisor
Town of Ausable
111 Ausable Street
Keeseville, NY 12944
518-834-9052
s.senecal@townofausable.net

Town of Ausable Stream Study Requests (in priority order)*:

1. Little Ausable River from the northern corporate limits to approximately 20,955 feet upstream to Clintonville Road needs a new detailed study, including Base Flood Elevations (BFEs), due to development in the area.

*The following request is the highest priority for the town. However, this area is outside of the Lake Champlain Watershed: Ausable River Reach Two, from 1.3 miles upstream of the confluence with Lake Champlain to 3,100 feet downstream of western corporate limit needs a new detailed study. This area has experienced past flooding and is in the middle of two areas with detailed studies.

Other Stakeholders:

- Jim King, Town Councilman, 518-834-7896

GIS Users:

- N/A

Historical Flood Problems:

- In 2011 Hurricane Irene caused flooding along the Ausable River (outside the watershed), damaging secondary homes.
- In 1998, flooding occurred in the town; however subsequent culvert improvements have alleviated this flooding.
- There are no areas in the community with repeated flooding problems.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are no recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update.
- There is not recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- While the town has a comprehensive plan, it does not have a separate open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town representative did not provide information about a hazard mitigation plan.
- There is one property buyout in progress in the town along the Ausable River at State Route 9N.

Training Needs:

- Training on the following topics would be helpful to the town:
 - Floodplain Management Administration
 - Building Code Requirements

National Flood Insurance Program/Floodplain Management Information:

- There are no known LOMC clusters in the town.
- The town is familiar with the CRS program and does not need more information about it.
- The town does not have an active floodplain development permit process. The town's Code Enforcement Officer/Planning Board is responsible for floodplain permitting.

Available Data:

- Base Map Data: The town uses datasets from Clinton County for the following:
 - Political boundaries data
 - Transportation features data
 - Parcel and zoning data
 - Building footprint data
- Engineering Data:
 - Locations of flood control structures are not available.
 - Locations of dams are not available.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data: The town uses datasets from Clinton County for the following:
 - Essential/critical facilities data
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.)
 - Historical flood inundation areas

Additional Comments:

- From Scoping Maps
 - There was one property buyout along Route 9N and the Ausable River (outside Lake Champlain Watershed).
- Other
 - N/A

Town of Beekmantown, Clinton County, CID# 360166

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: None submitted

Discovery Meeting Attendance: Did not attend

Town of Beekmantown Stream Study Requests (in priority order):

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

Town of Black Brook, Clinton County, CID# 361309

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: None Submitted

Discovery Meeting Attendance: Did not attend

Town of Black Brook Stream Study Requests (in priority order):

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

Town of Champlain, Clinton County, CID# 361311

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: June 7, 2016

Discovery Meeting Attendance: June 7, 2016

Community Representative(s):

Mike Tetreault, Code Enforcement Officer

Town of Champlain

P.O. Box 3144, 729 Route 9

Champlain, NY 12919

518-298-8160, ext. 205

mjt@primelink1.net

Town of Champlain Stream Study Requests (in priority order):

The Town feels that the current Special Flood Hazard Areas shown on the FIRM are accurate and does not have any requests for new or updated studies at this time.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- There was flooding along Lake Champlain in 2011 that lasted over a month.
- Area along Perry Mills Road: frequent floods, road closures, and ice jams occur on the Great Chazy River.
- There are verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There is a proposed project to dredge the Great Chazy River at its mouth due to 2011 floods.
- Two culverts were replaced in the town: Great Chazy River - At Routes 9B and 37; 1 culvert was replaced with 3 tubes, 12' diameter, after 2011. Route 11 at Beaver Road - culvert is still too small.
- There is not recent or planned residential or commercial development in the town.
- The town did not indicate whether there are piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town participates in the Clinton County hazard mitigation plan. Jane West, Town Secretary/Booker, is the point of contact.
- The town reported a buyout in the Village of Champlain.

Training Needs:

- Training on Floodplain Management Administration would be helpful to the town.

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the town.
- The town is familiar with the CRS program and does not need more information about it.
- The town has an active floodplain development permit process. The town's Code Enforcement Officer is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in hard copy.
 - Transportation features are not available.
 - Parcel and zoning data are available in hard copy and GIS format.
 - Contact: Code Enforcement Officer
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are not available.
 - Local survey data are not available.
 - There are gages that monitor the lake level and a river gage along the Little Chazy River.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - No essential/critical facilities are in the floodplain.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - There is a culvert replacement at Coopersville for Norway Road over Corbeau Creek.
 - The Route 11 culvert for Beaver Brook needs to be enlarged.
- Other
 - N/A

Village of Champlain, Clinton County, CID# 360167

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: Not Submitted

Discovery Meeting Attendance: Did not attend

Village of Champlain Stream Study Requests (in priority order):

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

Town of Chazy, Clinton County, CID# 361310

Pre- Discovery Webinar Attendance: Attended

Discovery Stakeholder Survey Completed: April 14, 2016, June 7, 2016

Discovery Meeting Attendance: June 7, 2016

Community Representative(s):

Mike Tetreault, Code Enforcement Officer (Pre-Meeting Survey and Meeting)

Town of Chazy

P.O. Box 219

Chazy, NY 12921

518-846-7544

chazycodes@westelcom.com

Town of Chazy Stream Study Requests (in priority order):

The Town feels that the current Special Flood Hazard Areas shown on the FIRM are accurate and does not have any requests for new or updated studies at this time.

Other Stakeholders:

- Mark Henry, Town Supervisor (518-846-7544)

GIS Users:

- N/A

Historical Flood Problems:

- Smaller rivers and streams sometimes flood within the town.
- Lakeshore Road along Lake Champlain experiences repeated flooding.
- The town did not note any verifiable high water marks.

Community Planning and Ongoing Projects:

- There are no recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update.
- There is not recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town participates in the county hazard mitigation plan. Mark Henry, the Town Supervisor, is the point of contact.
- The town did not report any prior flood mitigation activities.

Training Needs:

- No training needs were identified.

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the town.
- The town is familiar with the CRS program and would like more information about it.
- The town has an active floodplain development permit process. The town's Code Enforcement Officer is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in hard copy format.
 - Transportation features are not available.
 - Parcel and zoning data are available in hard copy format.
 - Building footprint data are available in hard copy format.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are available in hard copy format.
 - Local survey data are available in hard copy format.
 - Local flood gage or rain gage data are available in other digital format.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are not available.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are available in hard copy format.

Additional Comments:

- From Scoping Maps
 - There is lakeshore flooding along State Route 37 at Dunn Bay, Monty Bay and Trombly Bay.
 - The Lake Alice Dam is located in the community just south of Duprey Road. There is also a farm dam along the Little Chazy River at Stetson Road.
- Other
 - N/A

Town of Clinton, Clinton County, CID# 361380

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: None submitted

Discovery Meeting Attendance: Did not attend

Town of Clinton Stream Study Requests (in priority order):

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

Town of Dannemora, Clinton County, CID# 361381

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: April 12, 2016 (only completed contact information section)

Discovery Meeting Attendance: Did not attend

Community Representative(s):

William Chase

Town Supervisor

Town of Dannemora

78 Higby Road

Ellenburg Depot, NY 12935

518-492-7541, x103

wchase@townofdannemora.com

Town of Dannemora Stream Study Requests (in priority order):

The Town of Dannemora chose not to attend either the pre-Discovery webinars or the in-person Discovery Meeting. The Discovery stakeholder survey received by NYSDEC did not include any stream study requests. Absent different information, it is assumed the Town has no stream study requests at this time.

Town of Ellenburg, Clinton County, CID# 361382

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: None submitted

Discovery Meeting Attendance: Did not attend

Town of Ellenburg Stream Study Requests (in priority order):

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

Town of Mooers, Clinton County, CID# 361383
Pre- Discovery Webinar Attendance: Did not attend
Discovery Stakeholder Survey Completed: May 2, 2016
Discovery Meeting Attendance: Did not attend

Community Representative(s):
Jeffrey Menard, Town Supervisor
Town of Mooers
P.O. Box 242
Mooers, NY 12958
518-236-7110
Mooers1804@primelink1.net

Town of Mooers Stream Study Requests (in priority order):

The Discovery stakeholder survey received by NYSDEC did not include any stream study requests. Absent different information, it is assumed the Town has no stream study requests at this time.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- No flooding issues were noted.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are no recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update.
- There is not recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town did not indicate if it participates in a hazard mitigation plan.
- The town did not report any prior flood mitigation activities.

Training Needs:

- Training on Hazard Mitigation & Grant Programs would be helpful to the town.

National Flood Insurance Program/Floodplain Management Information:

- There were no LOMC clusters noted in the town.
- The town is not familiar with the CRS program and would like more information about it.
- The town does not have an active floodplain development permit process.

Available Data:

- Base Map Data
 - Political boundaries are not available.
 - Transportation features are not available.
 - Parcel and zoning data are not available.
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are available in hard copy format.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are not available.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - N/A
- Other
 - N/A

Town of Peru, Clinton County, CID# 361384

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: June 7, 2016

Discovery Meeting Attendance: June 7, 2016

Community Representative(s):

Robert M. Guynup, Code Enforcement Officer

Town of Peru

3036 Main Street

Peru, NY 12972

518-643-2745

peruzoning@perutown.com

Town of Peru Stream Study Requests (in priority order):

1. A new detailed study for the Peru Water Dam Lake/Furnace Brook is needed. This area has experienced prior flooding.

Other Stakeholders:

- N/A

GIS Users:

- Robert M. Guynup, Code Enforcement Officer
(See above for contact information)

Historical Flood Problems:

- The area along Reservoir Road experienced flooding as a result of Hurricane Irene.
- No areas of the community were noted for having repeated flooding problems.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- Culverts were replaced after Hurricane Irene along Reservoir Road.
- There is no recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- The town has an open space plan from 2013. Adele Douglas of the Planning Board is the point of contact.
- The town did not indicate if they participate in a watershed management plan.

Mitigation Activities:

- The town participates in the county hazard mitigation plan. No point of contact was provided.
- The town did not report any prior flood mitigation activities.

Training Needs:

- Training on the following topic would be helpful to the town:
 - Understanding how to use the online flood maps to locate properties and identify flood hazards.

National Flood Insurance Program/Floodplain Management Information:

- There are no known LOMC clusters in the town.
- The town is not familiar with the CRS program and would like more information about it.

- The town has an active floodplain development permit process. The town's Code Enforcement Officer is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in GIS and other digital format.
 - Contact: Code Enforcement Officer
 - Transportation features are available in GIS and other digital format.
 - Parcel and zoning data are available in GIS and other digital format.
 - Building footprint data are available in non-GIS digital format.
- Engineering Data
 - Locations of flood control structures are available in GIS and other digital format.
 - Locations of dams are available in GIS and other digital format.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are available in GIS and other digital format.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - There has been post-Irene building along Furnace Brook and Reservoir Road including culvert replacements.
 - Additional post-Irene building along Little Ausable River at Route 22.
- Other
 - Would like to receive a copy of the scoping map.

City of Plattsburgh, Clinton County, CID# 360168

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: May 2, 2016, June 7, 2016

Discovery Meeting Attendance: June 7, 2016

Community Representative(s):

Jonathan Ruff, Environmental Manager (Pre-Meeting Survey)

City of Plattsburgh

41 City Hall Place

Plattsburgh, NY 12901

518-536-7519

ruffj@cityofplattsburgh-ny.gov

Kevin Farrington, City Engineer (Meeting)

City of Plattsburgh

41 City Hall Place

Plattsburgh, NY 12901

518-563-7730

kfarrington@cityofplattsburgh-ny.gov

Joe McMahon, Building Inspector and Floodplain Administrator (Meeting)

City of Plattsburgh

41 City Hall Place

Plattsburgh, NY 12901

518-563-7707

mcmahonj@cityofplattsburgh-ny.gov

City of Plattsburgh Stream Study Requests (in priority order):

1. A revised detailed study of Scotion (Dead) Creek from its confluence with Lake Champlain to the northern corporate limit is needed due to repeat flooding in the area along with new development.
2. A revised detailed study of the Saranac River from the confluence with Main Mill Dam Lake to approximately 4,610 feet north of Green Street is needed due to repeat flooding.

Other Stakeholders:

- N/A

GIS Users:

- Kevin Farrington, City Engineer
City of Plattsburgh
41 City Hall Place
Plattsburgh, NY 12901
518-563-7730
kfarrington@cityofplattsburgh-ny.gov

Historical Flood Problems:

- Severe flooding occurred along Lake Champlain in 2011, resulting in 13 FEMA claims, slope destabilization, and substantial damage to a bridge south of Route 42. Additional damage occurred to smaller structures.

- The State Route 9 corridor in the northern part of the City experiences repeated flooding problems.
- The area along Route 9, north of the city and near the McDonald's has experienced past flooding.
- The bandshell area in front of the MacDonough Monument has experienced past flooding.
- There are no known verifiable high water marks in the city.

Community Planning and Ongoing Projects:

- There are ongoing and/or proposed bridge and culvert replacements at the following locations: Broad Street over the Saranac River, Catherine Street over the Saranac River, Route 9 bridge over Dead Creek (Scomotion Creek), and Bridge Street (Route 9) over Saranac River.
- Several dams including the Main Mill Dam and the Imperial Dam may be lowered or removed in the future.
- Residential development is occurring west of U.S. Route 9.
- There are no piped or naturally occurring underground streams in the city.
- The city does not have an open space plan.
- The city participates in a watershed management plan in conjunction with the Lake Champlain Basin Program called "Opportunities for Action".

Mitigation Activities:

- The city is aware of the county hazard mitigation plan but did not adopt it officially.
- The city is offering a buyout program to residents of the trailer park along the Saranac River west of Waterhouse Street.

Training Needs:

- Training on the following topics would be helpful to the city:
 - Floodplain Management Administration (e.g., how to review permits, apply codes to buildings)
 - Building Code Requirements

National Flood Insurance Program/Floodplain Management Information:

- There is a LOMC cluster west of U.S. Route 9 near Lake Champlain.
- The city is not familiar with the CRS program and would like more information about it.
- The city has an active floodplain development permit process. The city's Building Inspector is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in GIS format.
 - Transportation features are available in GIS format.
 - Parcel and zoning data are available in GIS format.
 - Building footprint data are available in GIS format.
- Engineering Data
 - Locations of flood control structures are available in GIS format.
 - Locations of dams are available in GIS format.
 - Local survey data are available in GIS format.
 - Local flood gage or rain gage data are not available.
 - No response was provided regarding the availability of flood hazard studies for public/private funded projects in the city.

- Risk Assessment Data
 - Essential/critical facilities data are not available.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available. There is data available from NYSDEC for one dam.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - There was development in the 1980s in the far north of the City west of U.S. Route 9. This is an area with LOMC concentrations.
 - Slope destabilized along lakeshore in southern part of City east of U.S. Route 9.
- Other
 - N/A

Town of Plattsburgh, Clinton County, CID# 360169
Pre- Discovery Webinar Attendance: Did not attend
Discovery Stakeholder Survey Completed: May 3, 2016
Discovery Meeting Attendance: Did not attend

Community Representative(s):

Steve Imhoff, Code and Zoning Officer
Town of Plattsburgh
151 Banker Road
Plattsburgh, NY 12901
518-562-6840
stevei@townofplattsburgh.org

Town of Plattsburgh Stream Study Requests (in priority order):

The Discovery stakeholder survey received by NYSDEC did not include any stream study requests. Absent different information, it is assumed the Town has no stream study requests at this time.

Other Stakeholders:

- N/A

GIS Users:

- Trevor Cole, Senior Planner
518-562-6850

Historical Flood Problems:

- The town has experienced past flood disasters and repeated flooding problems from Lake Champlain.
- There is a verifiable high water mark on Lake Champlain, 103.2' flood stage.

Community Planning and Ongoing Projects:

- There are no recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update.
- There is not recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- The town has an open space plan as part of the Town of Plattsburgh Comprehensive Plan of 2010. Trevor Cole, the Town Planner, is the point of contact.
- The town has a watershed management plan. The Town of Plattsburgh Senior Planner Trevor Cole is the point of contact.

Mitigation Activities:

- Steve Imhoff, the Town Code and Zoning Officer, is the point of contact for the town's hazard mitigation plan.
- The town did not report any prior flood mitigation activities.

Training Needs:

- Training on the following topics would be helpful to the town:
 - Floodplain Management Administration
 - Effective Public Outreach
 - Hazard Mitigation & Grant Programs

National Flood Insurance Program/Floodplain Management Information:

- There are no known LOMC clusters in the town.
- The town is not familiar with the CRS program and would like more information about it.
- The town does not have an active floodplain development permit process. The town indicated that NYSDEC is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in hard copy format.
 - Transportation features are available in hard copy format.
 - Parcel and zoning data are available in hard copy and GIS formats.
 - Building footprint data are available in hard copy and GIS formats.
- Engineering Data
 - Locations of flood control structures are available in hard copy format.
 - Locations of dams are available in GIS format.
 - Local survey data are available in hard copy and GIS formats.
 - Local flood gage or rain gage data are available in hard copy format.
 - Flood hazard studies for public/private funded projects in the town are available in hard copy format.
- Risk Assessment Data
 - Essential/critical facilities data are available in hard copy and GIS format.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are available in hard copy format.

Additional Comments:

- From Scoping Maps
 - N/A
- Other
 - N/A

Town of Saranac, Clinton County, CID# 360171
Pre- Discovery Webinar Attendance: Attended
Discovery Stakeholder Survey Completed: May 3, 2016
Discovery Meeting Attendance: Did not attend

Community Representative(s):
Nicholas Carter, Town Supervisor
Town of Saranac
3662 State Route 3
Saranac, NY 12981
518-293-6666, extension 1
supervisor@townofsaranac.com

Town of Saranac Stream Study Requests (in priority order):

The Discovery stakeholder survey received by NYSDEC did not include any stream study requests. Absent different information, it is assumed the Town has no stream study requests at this time.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- Hurricane Sandy washed out a bridge on Cold Brook that feeds into the Saranac River. The storm also damaged two culverts on Connors Brook.
- There are repeated flooding problems in the spring on the Saranac River along Bowen Road.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are bridge replacements planned for two separate roads in the town.
- There is not recent or planned residential or commercial development in the town.
- There is a piped or naturally occurring underground stream at the intersection of McCutcheon Drive and Picketts Corners Road.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town does not participate in a hazard mitigation plan.
- The town did not report any prior flood mitigation activities.

Training Needs:

- No training needs were identified.

National Flood Insurance Program/Floodplain Management Information:

- There are no identified LOMC clusters in the town.
- The town is familiar with the CRS program and does not need more information about it.

- The town does not have an active floodplain development permit process. The town did not identify any parties responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in hard copy format.
 - Transportation features are available in hard copy format.
 - Parcel and zoning data are not available.
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are available in hard copy format.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are available in hard copy format.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are available in hard copy format.
 - Historical flood inundation areas are available in hard copy format.

Additional Comments:

- From Scoping Maps
 - N/A
- Other
 - N/A

Town of Schuyler Falls, Clinton County, CID# 360172

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: None submitted

Discovery Meeting Attendance: Did not attend

Town of Schuyler Falls Stream Study Requests (in priority order):

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

Essex County, CID# 36031C

Pre- Discovery Webinar Attendance: Attended

Discovery Stakeholder Survey Completed: April 5, 2016, May 3, 2016, May 5, 2016, June 8, 2016

Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

Gary Rancour (Meeting)
Essex County Department of Public Works
8053 U.S. Route 9
Elizabethtown, NY 12932
518-873-3746
grancour@co.essex.ny.us

Don Jaquish, Director (Pre-Meeting Survey and Meeting)
Essex County Emergency Services Department
P.O. Box 30
Lewis, NY 12950
518-873-3900
djaquish@co.essex.ny.us

Lynn Donaldson, Community Development Coordinator (Pre-Meeting Survey)
Essex County Community Resources
P.O. Box 217
Elizabethtown, NY 12932
518-873-3687
ldonaldson@co.essex.ny.us

David Reckahn, District Manager (Pre-Meeting Survey and Meeting)
Essex County Soil and Water Conservation District
6580 Main Street
Westport, NY 12993
518-962-8225
dreckahn@westelcom.com

Beth Gilles, Assistant Director (Meeting)
Lake Champlain-Lake George Regional Planning Board
1 Lower Amherst Street
P.O. Box 765
Lake George, NY 12845
518-668-5773
bgilles_rpb@verizon.net

Vic Putman, Coordinator (Meeting)
Greater Adirondack Resource Conservation and Development Council/Town of Willsboro
183 Farrell Road
Willsboro, NY 12996
518-963-8996
vicputman@gmail.com

Madeleine Lyttle (Meeting)
Lake Champlain U.S. Fish and Wildlife Conservation Office
11 Lincoln Street
Essex Junction, VT 05452
802-872-6205
madeleine_lyttle@fws.gov

Myra Lawyer, Agricultural Conservation Practice Specialist/NY CNMP Planner (Meeting)
Essex County/Lake Champlain Basin Watershed
P.O. Box 296
Ray Brook, NY 12977
518-897-1241
Myra.lawyer@dec.ny.gov

Essex County Stream Study Requests (in priority order):

1. A new approximate study is needed for Spruce Mill Brook from Boquet River to the headwaters. A recent flood event washed out 3 bridges.
2. A revised approximate study is needed for North Branch Boquet River. There are residential properties in the floodplain.
3. A revised approximate study is needed for La Chute River.
4. A new approximate study is needed for Trout Brook from Lake Champlain to the headwaters. There is frequent flooding in this area.
5. A new detailed study is needed for McKenzie Brook from the mouth to Moriah Center. This area is subject to flooding.
6. A new detailed study is needed for Mill Brook from the mouth to Moriah Center.
7. A new detailed study is needed for Putnam Creek from the mouth to County Route 7. There is development pressure in this area.
8. A new approximate study is needed for Roaring Brook. There are historical flooding problems in the area.
9. A revised detailed study is needed for Boquet River. There are serious flooding problems in this area.
10. A revised detailed study is needed along the Lower Boquet River. A dam has been removed along the river.

Ausable River in Ausable Forks was also identified as a priority for a detailed restudy. However this stream is not part of the Discovery project area.

Other Stakeholders:

- Garrett Dague, Deputy Director
Essex County Planning Department
518-873-3452
gdaque@co.essex.ny.us

GIS Users:

- Charli Lewis, Director of Real Property, Essex County
518-873-3995
clewis@co.essex.ny.us

Historical Flood Problems:

- Areas were hit hard by Hurricane Irene in September 2011. Flooding sources affected included Ausable River (not in project area), Lake Champlain, North Branch of Boquet River, Schroon River, and many tributaries. The Town of Keene and Town of Jay (not in project area) were hit hard during Irene.
- Serious flooding also occurred in 2013.
- The Elizabethtown center experienced serious flooding in 2011 and 2013.
- Areas prone to repeated flooding include Ausable River at Burt Lane and Broad Lane and where the East and West branches converge (outside project area) and Boquet River at Roaring Brook Lane and Route 9 South.
- There are verifiable high water marks in the county, including at Camp Dudley outside of Westport, along Route 9N between Jay and Ausable Forks, and on the NYSDEC boat launch on Willsboro Bay.

Community Planning and Ongoing Projects:

- There are recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update. These include a NY Rising Hazard Mitigation Grant Program (HMGP) project along the Ausable River (not in project area) and the Petro Dam removal. There are also multiple bridge and culvert replacement projects underway. Chris Garrow, Essex County Department of Public Works is the point of contact for bridge and culvert replacement projects.
- There is not recent or planned residential or commercial development in the county.
- There are piped or naturally occurring underground streams in the county, including King Phillips Spring off of Exit 30, Mineville and Mines Moriah.
- The county does not have an open space plan.
- The county participates in several watershed management plans, including the Schroon Lake Watershed Management Plan (Mike Marnell, point of contact); Ticonderoga Watershed Management Plan (Lake George Association, point of contact); CWICNY Plan; there are also separate watershed management plans for Lake Champlain, Boquet River, and Ausable River.

Mitigation Activities:

- Don Jacquish, Essex County Emergency Services, is the point of contact for the county's hazard mitigation plan.
- There are several HMGP projects underway for the Ausable River (outside project area).

Training Needs:

- Training on the following topics would be helpful to the county:
 - Floodplain Management Administration
 - Effective Public Outreach
 - Building Code Requirements
 - Hazard Mitigation & Grant Programs

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the county.
- The county is aware of the CRS program and would like more information about it. (Mike Mascaranas, Essex County Office of Community Resources)

Available Data:

- Base Map Data
 - Political boundaries are available in GIS format.
 - Contact: Essex County Real Property (518-873-3390)
 - Transportation features are available in GIS format.
 - Contact: Nancy Dougal, Essex County Transportation
 - Parcel and zoning data are available in hard copy and GIS format.
 - Contact: Essex County Real Property (518-873-3390)
 - Building footprint data are available in non-GIS digital format.
- Engineering Data
 - Locations of flood control structures are not available.
 - Local survey data are available from multiple sources: Nature Conservancy (Craig Cheeseman; 518-576-2082), Lake Champlain Basin (Eric Howe), and Milone and McBroom (Ray Schiff).
 - NY Rising is paying for LiDAR to be developed in the vicinity of the Ausable and Boquet Rivers.
 - An impervious surface GIS coverage is available through the Lake Champlain Basin Program (Ryan Mitchel is the point of contact.)
 - The Nature Conservancy has dam, stream and culvert data available (Craig Cheeseman; 518-576-2082).
 - Local flood gage or rain gage data are available in hard copy format.
 - Flood hazard studies for public/private funded projects are available in GIS format.
- Risk Assessment Data
 - Essential/critical facilities data are available in hard copy format.
 - Contact: Don Jaquish, Essex County Emergency Services
 - The Nature Conservancy also has a risk assessment available.
 - A county stream inventory report developed by Essex County Soil and Water was provided following the meeting.
 - Contact: Don Jaquish, Essex County Emergency Services
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - A dam was removed along the Boquet River near State Route 22.
 - A dam was removed along Mill Brook near Route 9N close to Lake Champlain.
 - Three bridges were removed along Spruce Mill Brook – specific locations not specified.
- Other
 - The Village of Port Henry is being dissolved next year (will be incorporated into Town of Moriah).

Town of Chesterfield, Essex County, CID# 360264

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: June 8, 2016

Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

Harvey LeCuyer, Code Enforcement and Zoning Officer

Town of Chesterfield

1 Vine Street

Chesterfield, NY 12944

518-834-9041

harveylock@aol.com

Town of Chesterfield Stream Study Requests (in priority order):

The Town finds the current FEMA Special Flood Hazard Areas to be accurate and does not have any requests for new or updated studies at this time.

Other Stakeholders:

- Philip Gray, Town Highway Superintendent (518-834-9041)
- Gerald H. Morrow, Town Supervisor (518-834-9042)

GIS Users:

- N/A

Historical Flood Problems:

- Severe flooding occurs from Lake Champlain. There is one repetitive loss property near the lake as well.
- Yearly Spring flooding along Lake Champlain causes flood damage to nearby second homes and camps.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are no recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update.
- There are plans to build 70 units north of the golf course south of Route 373 close to Lake Champlain.
- There are no piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town did not specify whether it has its own hazard mitigation plan or if it participates in the county hazard mitigation plan. The Town Supervisor is the point of contact.
- The town did not report any prior flood mitigation activities.

Training Needs:

- Training on the following topics would be helpful to the town:
 - Floodplain Management Administration
 - Building Code Requirements
 - Hazard Mitigation & Grant Programs

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters identified in the town.
- The town is familiar with the CRS program and does not need more information about it.
- The town has an active floodplain development permit process. The town's code enforcement officer is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are not available.
 - Transportation features are not available.
 - Parcel and zoning data are not available.
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are not available.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are not available. However, none are located in the floodplain.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - There are dams at Augur Lake and Trout Pond.
 - There is a repetitive loss at Port Douglass along Corlear Bay.
- Other
 - N/A

Town of Crown Point, Essex County, CID# 361148
Pre- Discovery Webinar Attendance: Did not attend
Discovery Stakeholder Survey Completed: June 8, 2016
Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

William Ball, Code Official
Town of Crown Point
17 Monitor Bay Park
P.O. Box 443
Crown Point, NY 12928
518-802-0780
Wm.ball@hotmail.com

Town of Crown Point Stream Study Requests (in priority order):

1. A new detailed study of Putnam Creek is needed. The upstream reach of this stream is already detailed. However the downstream reach has an approximate study and it is not accurate.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- The town experienced a flooding disaster along Lake Champlain in 2013.
- There are currently no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are no recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update.
- There is not recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan. Charlie Harrington is the point of contact to confirm.

Mitigation Activities:

- The town did not indicate whether it participates in a hazard mitigation plan.
- The town did not report any prior flood mitigation activities.

Training Needs:

- Training on the following topics would be helpful to the town:
 - Floodplain Management Administration (mapping, insurance requirements)
 - Building Code Requirements

National Flood Insurance Program/Floodplain Management Information:

- There is a LOMC cluster near Factoryville Road along Putnam Brook.
- The town is familiar with the CRS program and does not need more information about it.

- It is unknown whether the town has an active floodplain development permit process and who is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are not available.
 - Transportation features are not available.
 - Parcel and zoning data are not available.
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are not available.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are not available.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - There used to be a high water mark along Putnam Brook at Long Point Road.
 - There are illegal structures along Putnam Brook near State Route 2 and Hogan Hill Road.
 - There are some dam-related issues in the vicinity of Furnace Road at Ironville.
- Other
 - Copies of local laws are available for the Town of Crown Point.

Town of Elizabethtown, Essex County, CID# 361388
Pre- Discovery Webinar Attendance: Did not attend
Discovery Stakeholder Survey Completed: June 8, 2016
Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

Noel Merrihew, Town Supervisor
Town of Elizabethtown
7563 Court Street, PO Box 265
Elizabethtown, NY 12932
518-873-6555
etown@etownny.com

Town of Elizabethtown Stream Study Requests (in priority order):

1. A detailed restudy of the Boquet River is needed as it frequently floods and the mapping is inaccurate.
2. A detailed restudy of The Branch at the confluence with the Boquet River is needed as it is a heavily populated area.

Other Stakeholders:

- Anita Deming, Essex County Executive Director of Cornell Cooperative Extension and President of Boquet River Association
PO Box 388
Westport, NY 12993
518-962-4810, ext. 409
ald6@cornell.edu

GIS Users:

- Essex County provides support.

Historical Flood Problems:

- The community has experienced past flood disasters and repeated flood problems along Beaver Meadow Brook, Boquet River tributary, and Roaring Brook.
- There is a verifiable high water mark in the Hamlet Central in Elizabethtown, west of Boquet River.

Community Planning and Ongoing Projects:

- There are ongoing culvert/bridge projects along the Boquet River and its surrounding watershed.
- There is not recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- The town has an open space vision as part of the 2013-2014 Comprehensive Plan.
- The Boquet River, part of which flows through Elizabethtown, has a Watershed Management Plan; however the town has not fully adopted the plan.

Mitigation Activities:

- The town participates in the county hazard mitigation plan. No point of contact provided.
- The following mitigation activities have occurred in the town: buyouts along Roaring Brook; dredging of Boquet River downstream of confluence with The Branch; Boquet River sediment removal and bank stabilization.

Training Needs:

- No training needs were identified.

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters identified in the town.
- The town is familiar with the CRS program and would like more information about it.
- The town has an active floodplain development permit process. The town's Code Enforcement Officer, Derrick Martineau, is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in hard copy and GIS format.
 - Contact: Essex County
 - Transportation features are available in hard copy and GIS format.
 - Contact: Essex County and Town Department of Public works
 - Parcel and zoning data are available in hard copy format.
 - Building footprint data are available in hard copy format.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are not available.
 - Local survey data are available through Essex County (Dave Reckahn).
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are not available.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - There is a property that should be considered for a buyout at Elizabethtown Wadhams Road and Boquet River.
 - There needs to be a wider bridge/culvert replacement for U.S. Route 9 over Boquet River.
 - There is an unstable dam that leaks on sides at Lincoln Pond near Kingdom Road.
- Other
 - N/A

Town of Essex, Essex County, CID# 361149
Pre- Discovery Webinar Attendance: Attended
Discovery Stakeholder Survey Completed: April 5, 2016
Discovery Meeting Attendance: Did not attend

Community Representative(s):

Edward J. Gardner, Town Supervisor
Town of Essex
PO Box 315, Route 22
Essex, NY 12936
518-963-4287
ed4Essex1@gmail.com

Town of Essex Stream Study Requests (in priority order):

The Discovery stakeholder survey received by NYSDEC did not include any stream study requests. Absent different information, it is assumed the Town has no stream study requests at this time.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- During Hurricane Irene and Sandy, the Boquet River flooded in low-lying areas of Whallonsburg Hamlet.
- Repeated flooding problems occur along the Boquet River in Whallonsburg Hamlet and along Lake Champlain at Albee Road.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are no recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update.
- There is not recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town did not indicate if it participates in a hazard mitigation plan.
- The town did not report any prior flood mitigation activities.

Training Needs:

- Training on the following topics would be helpful to the town:
 - Floodplain Management Administration
 - Hazard Mitigation & Grant Programs

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters identified in the town.

- The town is not familiar with the CRS program and would like more information about it.
- The town does not have an active floodplain development permit process. The town did not identify a party responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in hard copy format.
 - Transportation features are not available.
 - Parcel and zoning data are available in hard copy format.
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are not available.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are not available.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are available in hard copy format.

Additional Comments:

- From Scoping Maps
 - N/A
- Other
 - N/A

Town of Keene, Essex County, CID# 361151

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: None submitted

Discovery Meeting Attendance: Did not attend

Town of Keene Stream Study Requests (in priority order):

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

Town of Lewis, Essex County, CID# 361152

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: June 8, 2016

Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

James Monty, Town Supervisor

Town of Lewis

P.O. Box 59

Lewis, NY 12950

518-873-6777

supervisor@LewisTownhall.com

Town of Lewis Stream Study Requests (in priority order):

1. A new detailed study of the North Branch Boquet River is needed due to repetitive flooding that occurs in the spring.
2. A new detailed study of the Spruce Mill Brook is needed due to repetitive flooding that occurs in the spring.
3. A detailed study of the Boquet River is needed, especially near Steele Woods Road.

Other Stakeholders:

- Kevin Denten, Town of Lewis Highway Superintendent (518-873-6455)

GIS Users:

- Essex County Emergency Management

Historical Flood Problems:

- Cold Brook floods every spring, flooding several homes.
- Spruce Mill Brook floods consistently in a normal spring.
- The Grave Road area flooded during Hurricane Irene and has also flooded due to ice melt.
- There is a verifiable high water mark at Deer Head along North Branch Boquet River.

Community Planning and Ongoing Projects:

- There are proposed plans to replace two culverts for Phelps Brook at Cutting Road.
- A bridge repair is ongoing at Burpee Road over Phelps Brook due to a beaver dam break.
- A bridge was repaired at Wells Hill Road over Spruce Mill Brook due to damage incurred during Hurricane Sandy.
- There is no recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- The town adopted a comprehensive plan in 2014 that includes measures to protect open space.
- The town's comprehensive plan, adopted in 2014, includes a watershed management plan. Essex County Soil & Water is a partner in working on watershed management.

Mitigation Activities:

- The town participates in the county hazard mitigation plan.
- The town did not report any prior flood mitigation activities.

Training Needs:

- Training on Emergency Management topics would be helpful to the town:

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters identified in the town.
- The town is familiar with the CRS program and would like more information about it.
- The town does not have an active floodplain development permit process. No point of contact was provided.

Available Data:

- Base Map Data
 - Political boundaries are available in hard copy, GIS, and other digital format.
 - Contact: Essex County
 - Transportation features are available in hard copy, GIS, and other digital format.
 - Parcel data are available in hard copy, GIS, and other digital format.
 - Zoning data are not available.
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are available in non-GIS digital format.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are flood hazard studies for public/private funded projects in the town available in hard copy format.
- Risk Assessment Data
 - Essential/critical facilities data are available in hard copy, GIS format, and other digital format.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - Two 3-foot culverts are awaiting replacement at Roscoe Road and Phelps Brook.
 - A beaver dam knocked out bridge over Burpee Road at Phelps Brook. It is being rebuilt.
 - Sandy took out Wells Road bridge over Spruce Mill Brook. It is being replaced using FEMA funding.
- Other
 - N/A

Town of Moriah, Essex County, CID# 361389
Pre- Discovery Webinar Attendance: Did not attend
Discovery Stakeholder Survey Completed: June 8, 2016
Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

Tom Scozzafava, Town Supervisor
Town of Moriah
38 Park Place, Suite 1
Port Henry, NY 12974
518-546-8631
moriahsuper@nycap.rr.com

Jamie Wilson, Highway Superintendent
Town of Moriah
30 Joyce Road
Mineville, NY 12956
518-942-7155

Art Morgan, Water & Sewer Superintendent
Town of Moriah
38 Park Place, Suite 1
Port Henry, NY 12974
518-942-3340
waterdept@nycap.rr.com

Town of Moriah Stream Study Requests (in priority order):

1. A detailed study of Mill Brook from Ensign Pond to Lake Champlain is needed.
2. An approximate study of McKenzie Brook from its headwaters to Lake Champlain is needed.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- Flooding has occurred in Moriah Center and Witherbee, leading to bridge replacement projects in these areas.
- The town experienced severe flash flooding during Hurricanes Irene and Lee, especially along Mill Brook and McKenzie Brook.
- There are repeated flooded problems along Mill Brook and McKenzie Brook.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There is a new bridge for Witherbee Road over Mill Brook.
- There is a new box culvert at Ensign Pond Road along Mill Brook.
- There is not recent or planned residential or commercial development in the town except for some construction along the shore of Lake Champlain.
- There are no piped or naturally occurring underground streams in the community.

- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town participates in the county hazard mitigation plan.
- There are a few buyouts underway in the Village of Port Henry along Mill Brook.

Training Needs:

- Training on the following topics would be helpful to the town:
 - Floodplain Management Administration (including permitting)
 - Building Code Requirements

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the town.
- The town is familiar with the CRS program and does not need more information about it.
- The town has an active floodplain development permit process. The town's Building Inspector/Code Enforcement Officer is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in GIS format.
 - Contact: Essex County
 - Transportation features are available in GIS format.
 - Contact: Essex County
 - Parcel and zoning data are available in GIS format.
 - Contact: Essex County
 - Building footprint data are available non-GIS digital format.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are available in GIS format.
 - Contact: Essex County
 - Local survey data are available in hard copy format.
 - Contact: Essex County
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are available in GIS format.
 - Contact: Essex County
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are available in GIS format.
 - Contact: Essex County
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - Locations of bridge and culvert replacements and flooding problems already noted above.
- Other
 - N/A

Village of Port Henry Essex County, CID# 361493

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: June 8, 2016

Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

William Ball, Code Enforcement Officer

Village of Port Henry

4303 Main Street

Port Henry, NY 12974

518-802-0780

Wm.ball@hotmail.com

Village of Port Henry Stream Study Requests (in priority order):

1. A new detailed study of Mill Brook is needed. This stream frequently floods and causes major damages, including damage to bridges.
2. A new detailed study of McKenzie Brook is needed. This stream causes frequent flooding near the railroad.
3. A revised detailed study of Lake Champlain is needed.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- There are repeated flooding problems along Mill Brook, Lake Champlain and tributaries that flow into the lake.
- There are no verifiable high water marks in the village.

Community Planning and Ongoing Projects:

- There is a beach restoration project in the village underway by NYSDEC and USACE.
- There is not recent or planned residential or commercial development in the village.
- The village did not indicate if they have an open space plan.
- The village did not indicate if they have or participate in a watershed management plan.

Mitigation Activities:

- It is not known if the village participates in a hazard mitigation plan.
- The village did not report any prior flood mitigation activities.

Training Needs:

- Training on the following topics would be helpful to the village:
 - Floodplain Management Administration
 - Building Code Requirements

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the village.
- The village did not indicate whether or not it is familiar with the CRS program and whether it would like more information about it.

- The town has an active floodplain development permit process. The town's Code Enforcement Officer is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are not available.
 - Transportation features are not available.
 - Parcel and zoning data are not available.
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are not available.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - Gary Cook completed his dissertation on a flooding study in the village. Contact the Town Code Officer for a copy.
- Risk Assessment Data
 - Essential/critical facilities data are not available.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - There is a waterfall on Mill Brook that collapses and causes issues at Route 9 North.
 - Bridges need to be cleared out along unnamed roads along an unknown stream at the northern corporate boundary.
- Other
 - Copies of local laws are available for the Village of Port Henry.

Town of Ticonderoga, Essex County, CID# 361159
Pre- Discovery Webinar Attendance: Did not attend
Discovery Stakeholder Survey Completed: June 8, 2016
Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

William Ball, Code Officer
Town of Ticonderoga
132 Montcalm Street
P.O. Box 471
Ticonderoga, NY 12883
518-585-9851
Wm.ball@hotmail.com
codes@townofticonderoga.org

Danielle Coleman, Code Officer
Town of Ticonderoga
132 Montcalm Street
P.O. Box 471
Ticonderoga, NY 12883
daniellecoleman@townofticonderoga.org

Town of Ticonderoga Stream Study Requests (in priority order):

1. A new detailed study for Trout Brook is needed due to frequent flooding and damage to houses in this area.
2. An updated detailed study is needed along the shoreline of Lake Champlain in order to show more accurate floodplain boundaries.
3. A new detailed study for the La Chute River is needed due to frequent flooding in this area.
4. A new detailed study for the shoreline of Lake George is needed due to frequent shoreline flooding and culvert washouts.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- The town experienced riverine and lake flooding during Hurricanes Sandy and Irene. Culvert washouts also occurred as a result of these storms.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are several ongoing county culvert replacement projects.
- There is planned development along Tiroga Point Road at Black Point in the floodplain for five lots in a low-lying area that was recently filled.
- There is a culverted stream (Chute Brook) at Putnam Road.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town did not indicate whether it participates in a hazard mitigation plan.
- The town did not report any prior flood mitigation activities.

Training Needs:

- Training on the following topics would be helpful to the town:
 - Floodplain Management Administration (Mapping and insurance requirements)
 - Building Code Requirements

National Flood Insurance Program/Floodplain Management Information:

- There are LOMC clusters near the golf course west of Route 9N and at Black Point along Black Point Road.
- The town is familiar with the CRS program and did not indicate whether they wanted more information at this time.
- The town has an active floodplain development permit process. The town's Code Enforcement Officer is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are not available.
 - Transportation features are not available.
 - Parcel and zoning data are not available.
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are available in hard copy format.
 - Contact: Town Supervisor
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are not available.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - There is a culverted stream that is 1,000 feet underground in the village along Chute Brook.
 - A stormwater basin was added in the Spencer Point area along Black Point Road.
- Other
 - Copies of local laws are available for the town of Ticonderoga.

Town of Westport, Essex County, CID# 361160

Pre- Discovery Webinar Attendance: Attended

Discovery Stakeholder Survey Completed: May 5, 2016, June 8, 2016

Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

George Hainer, Code and Zoning Officer/Floodplain Manager (Pre-Meeting Survey and Meeting)

Town of Westport

22 Champlain Avenue

Westport, NY 12993

518-962-4419

codes@westportny.net

Town of Westport Stream Study Requests (in priority order):

1. A detailed restudy of the Lake Champlain shoreline is needed due to inaccuracies in the topographic data that does not show cliffs and bluffs. There are also Letters of Map Amendment (LOMAs) in the area.
2. The Boquet River is in need of a new detailed study. There are flooding problems and buyouts in this area. There are mapping inaccuracies that are likely due to topographic limitations.

Other Stakeholders:

- Chris Maron, Champlain Area Trails Director
518-962-2287
- Shelly McKinley, Boquet River Director
518-962-4810 or 962-8241
- Dennis Westover, Town of Westport Department of Public Works
518-962-4877

GIS Users:

- Charli Lewis, Essex County Real Property Tax Office

Historical Flood Problems:

- During Hurricane Irene and Tropical Storm Lee, Housington Brook, Stacey Brook, Boquet River, and parts of Lake Champlain flooded.
- Repeated flooding from Lake Champlain has occurred during large storms as well as flash flooding.
- There are repeated flooding problems in the vicinity of Boquet River at NY Route 22 and Decker Road.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are some new culvert projects in the town, especially along the Boquet River at Elizabethtown Wadhams Road. A culvert at Ledgehill Road on Black River was replaced recently. Gary Rancour, Essex County Department of Public Works is the point of contact.
- There is no recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.

- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town participates in the county hazard mitigation plan. Michael K. Tyler, Town Supervisor is the point of contact.
- There are a couple flood mitigation activities along the Boquet River at Elizabethtown Wadhams Road and Youngs Road. There are also buyouts and culvert and bridge repairs and replacements ongoing in the town.

Training Needs:

- Training on the following topics would be helpful to the town:
 - Floodplain Management Administration
 - Building Code Requirements
 - Hazard Mitigation and Grant Programs
 - Effective Public Outreach

National Flood Insurance Program/Floodplain Management Information:

- There is a LOMC cluster along Lake Champlain in the North West Bay area. In this area, homes are located on top of cliffs, despite the area being mapped in the floodplain.
- The town is familiar with the CRS program and does not need more information about it.
- The town has an active floodplain development permit process. The town's Code Enforcement Officer/Building Inspector is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in GIS format.
 - Contact: Essex County Real Property Tax Office
 - Transportation features are available in GIS format.
 - Contact: Essex County Real Property Tax Office
 - Parcel and zoning data are available in GIS and hard copy format.
 - Contact: Essex County Real Property Tax Office
 - Building footprint data are available in GIS format.
- Engineering Data
 - Locations of flood control structures are available in GIS format.
 - Contact: Essex County Real Property Tax Office
 - Locations of dams are available in GIS format.
 - Contact: Contact: Essex County Real Property Tax Office
 - Local survey data are available in hard copy format.
 - Contact: Essex County Real Property Tax Office
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are available in GIS format.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are available in GIS format.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - Areas of the Boquet River that flood are located in the northern part of the town at Elizabethtown Wadhams Road and near the confluence with Crooked Brook.
- Other
 - Boquet River Study just recently completed. The study may have information with regards to Wadhams, Elizabethtown and Willsboro. The study was funded by a DOS grant. Contact Anita Deming at Cornell Cooperative Extension (518-962-4810 or 518-962-8241).

Town of Willsboro, Essex County, CID# 360267

Pre- Discovery Webinar Attendance: Yes

Discovery Stakeholder Survey Completed: None submitted

Discovery Meeting Attendance: Did not attend

Town of Willsboro Stream Study Requests (in priority order):

The Town of Willsboro chose not to attend the in-person Discovery Meeting. No Discovery stakeholder survey was received by NYSDEC. Absent different information, it is assumed the Town has no stream study requests at this time.

Warren County CID# 36113C

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: May 3, 2016, May 4, 2016, May 6, 2016, May 24, 2016, June 8, 2016

Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

Jim Lieberum, District Manager (Pre-Meeting Survey and Meeting)
Warren County Soil and Water Conservation District
394 Schroon River Road
Warrensburg, NY 12885
518-623-3119
jim99@nycap.rr.com

Colin Dowd, Intern (Meeting)
Warren County Soil and Water Conservation District
394 Schroon River Road
Warrensburg, NY 12885
518-623-3119

Kevin Hajos, Deputy Superintendent (Pre-Meeting Survey)
Warren County Department of Public Works
4028 Main Street
Warrensburg, NY 12885
518-761-6556
khajos@warrencountypw.com

Rob Fitch, Warren County Resident Engineer (Pre-Meeting Survey)
New York State Department of Transportation
4021 Main Street
Warrensburg, NY 12885
518-623-3511
robert.fitch@dot.ny.gov

Randy Rath, Project Manager (Pre-Meeting Survey and Meeting)
Lake George Association
P.O. Box 408
Lake George, NY 12845
518-668-3558
rrath@lakegeorgeassociation.org

Warren County Stream Study Requests (in priority order):

1. Halfway Brook needs a revised detailed study. There have been repeated flooding events along this stream. (Note: upper portion of stream may be along state regulated wetland)
2. English Brook needs a new approximate study. Roads were flooded in this area during Hurricane Irene.
3. West Brook needs a new detailed study from the confluence with Lake George to the state land boundary. There is development along the stream in the vicinity of Lake George.
4. Prospect Mountain Brook needs a new detailed study from the confluence with Lake George to the state land boundary. There is development along the stream in the vicinity of Lake George.

5. A new detailed study is needed for Lakeview Circle Tributary/Tahoe Outlet from the confluence with Lake George to Route 9.
6. A revised approximate study is needed for Glen Lake Outlet. Dams at both Glen Lake and Dream Lake (downstream of Glen Lake) failed in this area in 2011-2012. Glen Lake dam has since been repaired.
7. Other streams that are in need of a restudy are Cemetery Brook, Finkle Brook, and Indian Brook, and within the Town of Hague, Hague Brook and Trout Brook.

General comment: there has been widespread development and changes in hydrology that have impacted the county. Urban areas should be prioritized for new or updated studies.

There were other tributaries noted that are located on state land that currently have approximate studies. These areas should be reviewed, but given that they are on state land, updates are not a high priority.

Other Stakeholders:

- Amy Hirsch, Deputy Director
Warren County Office of Emergency Services
518-761-6490
hirscha@warrencountyny.gov
- Joe Thovin
Lake George Park Commission
518-668-9347

GIS Users:

- Sara Frankenfeld, GIS Coordinator
Warren County Planning and Community Development Department
518-761-6398
frankenfelds@warrencountyny.gov

Historical Flood Problems:

- Flooding is usually caused by spring runoff and extreme precipitation events.
- Repeat flooding has occurred along English Brook in Lake George, an unnamed tributary along County Route 11 in Bolton, and Halfway Brook at Meadowbrook Road.
- Repeat flooding has also occurred along West Brook, Foster Brook, Sucker Brook, and other smaller streams.
- Flooding is an issue along an unnamed tributary of Halfway Brook at Meadowbrook Road during heavy rain and spring rain/snowmelt. There is a wetland area and when Halfway Brook levels are high, the water in the tributary backs up, impacting the road and a nearby pump station (Google Earth .kmz file indicating location provided by Jim Lieberum)
- There are issues with undersized culverts that exacerbate flooding problems (e.g., English Brook at Route 9N and Foster Brook at County Route 6).
- In general, much of the flooding in the county is stormwater-related.
- There are no verifiable high water marks in the county.

Community Planning and Ongoing Projects:

- There are bridge and culvert replacements ongoing in the county, including a proposed culvert replacement on West Hague Road and County Route 21. Rob Fitch of NYS DOT may be contacted for additional information about state projects.
- There has been significant development in the county, mostly residential, with some commercial and industrial activity in the Queensbury area. The Lake George Association is releasing an analysis about recent development. Randy Rath of the Association is the point of contact.
- There are piped or naturally occurring underground streams in the county. These include Prospect Mountain Brook which is culverted for ¼ of a mile in the Village of Lake George. Another unnamed stream north of Prospect Mountain Brook is also culverted in the Village of Lake George. Lake George and Queensbury also have some “losing” streams where part of the flow disappears.
- The Lake George Land Conservancy has prepared an open space study.
- There are watershed management plans available for Lake George (Ken Smith of NYSDOS is the point of contact) and Halfway Brook (Jim Lieberum of Warren County Soil and Water Conservation District is the point of contact).

Mitigation Activities:

- The county is currently updating the county hazard mitigation plan which is scheduled to be finalized in the fall of 2016. Jim Lieberum of Warren County Soil and Water Conservation District (518-623-3119) and Amy Hirsch (518-761-6490) are the county points of contact.
- See hazard mitigation plan section 9.1, page 6 for specific mitigation activities.

Training Needs:

- Training on the following topics would be helpful:
 - Floodplain Management Administration
 - Effective Public Outreach
 - Building Code Requirements
 - Hazard Mitigation & Grant Programs

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the county.
- The county is not familiar with the CRS program and does not need more information about it.

Available Data:

- Base Map Data
 - Political boundaries are available in hard copy and GIS format.
 - Contact: Sara Frankenfeld, Warren County Planning and Community Development Department
 - Transportation features are available in hard copy and GIS format.
 - Contact: Sara Frankenfeld, Warren County Planning and Community Development Department
 - Parcel and zoning data are available in hard copy and GIS format.
 - Contact: Sara Frankenfeld, Warren County Planning and Community Development Department
 - Building footprint data are available in GIS format.
 - Contact: Sara Frankenfeld, Warren County Planning and Community Development Department

- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are available in hard copy and GIS format (state dataset).
 - Local survey data are not available.
 - Local flood gage or rain gage data are available in non-digital format.
 - Darrin Freshwater Institute has some stream data gages. County notes that it would be beneficial if NYSDEC continued to monitor and pay for the gages.
 - There is a flood hazard study for Foster Brook available in hard copy format.
 - Flood studies for projects affecting West Brook and Foster Brook are also available from the Lake George Association.
 - Contact: Randy Rath, Lake George Association
 - The Lake George stream crossing assessment project was completed in 2008 by Warren County Soil and Water Conservation District and is available on the county website.
- Risk Assessment Data
 - Essential/critical facilities data are available in hard copy and GIS format.
 - Contact: Sara Frankenfeld, Warren County Planning and Community Development Department
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are available in hard copy and GIS format.
 - Contact: Sara Frankenfeld, Warren County Planning and Community Development Department
 - Historical flood inundation areas are available in hard copy and GIS format.
 - Contact: Sara Frankenfeld, Warren County Planning and Community Development Department

Additional Comments:

- From Scoping Maps
 - Dream Lake Dam (private) along a tributary to Halfway Brook in the far eastern part of the county failed in 2012/2013. It will be rebuilt.
- Other
 - Countywide LiDAR was supposed to be available in April 2016.

Town of Bolton, Warren County, CID# 360869

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: June 8, 2016

Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

Susan Wilson, Deputy Town Supervisor

Town of Bolton

4949 Lakeshore Drive

Bolton Landing, NY 12814

518-644-3056

susanwilson.bolton@gmail.com

Town of Bolton Stream Study Requests (in priority order):

1. A new detailed study is needed for Finkle Brook There is significant development in this area.
2. A new detailed study is needed for Huddle Brook. There is a dam present near Potter Hill Road that should be modeled.

Other Stakeholders:

- N/A

GIS Users:

- Wayne LaMothe, Warren County Planning and Development
518-761-6410

Historical Flood Problems:

- Flooding occurred along Finkle Brook in 2005. Residents had to be evacuated.
- Additional flooding in 2005 affected Route 11 and required re-construction of road and bridges.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There is a bridge replacement underway at Padanarum Road across Indian Brook.
- There are several residential developments underway including a 10-unit townhouse project with a pond and a few smaller subdivisions.
- It is unknown if there are piped or naturally occurring underground streams in the community.
- The town does not have an open space plan. However, the Planning Board reviews each proposed project and in the past has required open space cluster zones as part of projects.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- No information was provided about the existence of a hazard mitigation plan.
- Some stream restoration activities have been performed by the county.

Training Needs:

- Training on Floodplain Management Administration would be helpful to the town.

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the town.

- The town is not familiar with the CRS program and would like more information about it.
- The town does not have an active floodplain development permit process.

Available Data:

- Base Map Data
 - Political boundaries are not available.
 - Transportation features are available in GIS format.
 - Contact: Wayne Lamothe, Warren County
 - Parcel and zoning data are available in hard copy format.
 - Building footprint data may be available from the county.
- Engineering Data
 - Locations of flood control structures may be available.
 - Locations of dams may be available.
 - Local survey data are available for some individual properties. The county also has maps that show site elevations.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are available in hard copy and non-GIS digital format via the town's emergency plan.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - The area along Finkle Brook from Edgecomb Pond Road to Route 9N is a priority for restudy.
 - The area along Huddle Brook east of Edgecomb Pond Road is a priority for restudy.
 - The town water supply relies on Edgecomb Pond
- Other
 - N/A

Town of Hague, Warren County CID# 360873
Pre- Discovery Webinar Attendance: Did not attend
Discovery Stakeholder Survey Completed: June 8, 2016
Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

Catherine Clark, Zoning Enforcement Officer
Town of Hague
P.O. Box 509
Hague, NY 12836
518-543-6161
zoning@townofhague.org

Town of Hague Stream Study Requests (in priority order):

1. Hague Brook (also known as Sucker Brook) is in need of a new detailed study. This area currently has a very old approximate study and the floodplain boundaries are not accurate.
2. Lake George is in need of a revised detailed study. The floodplain boundary is inaccurate and there is significant Letter of Map Change activity in the area.

Other Stakeholders:

- Edna Frasier, Town Supervisor
Town of Hague
P.O. Box 509
Hague, NY 12836
518-543-6161
supervisor@townofhague.org
- Donnie Smith, Town Highway Superintendent
518-543-6161

GIS Users:

- N/A

Historical Flood Problems:

- There was an ice jam that caused significant flooding along Hague Brook in 2014 that destroyed a bridge.
- Flooding near Yaw Road along Trout Brook in 2013 resulted in road washouts. A culvert replacement has alleviated this problem.
- There was also a road washout at Holman Hill in 2014. Road improvements have alleviated the problem.
- Repeated flooding problems occur in the vicinity of Island Harbor Road near the Ruah Bed & Breakfast.
- Winter rains contribute to repeated flooding episodes in the town.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There is a project underway along West Hague Brook to clean out culverts, remove sediment and stabilize banks. Warren County Soil and Water is the point of contact.
- There may be a condo development planned for the future near the flood zone for Hague Brook at the town center.

- There are piped or naturally occurring underground streams in the community at the town center.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town participates in the county hazard mitigation plan. Edna Frasier, the Town Supervisor and Donnie Smith, the Highway Superintendent are the points of contact.
- The town did not report any prior flood mitigation activities.

Training Needs:

- Training on effective public outreach would be helpful to the town.

National Flood Insurance Program/Floodplain Management Information:

- There are LOMC clusters in the town in the vicinity of Lake George.
- The town is familiar with the CRS program and does not need more information about it.
- The town has an active floodplain development permit process. The town's Zoning Enforcement Officer is responsible for floodplain permitting. The county also has some involvement.

Available Data:

- The Town uses data from Warren County's GIS department, County Soil and Water, and the Adirondack Park Agency.

Additional Comments:

- From Scoping Maps
 - An earthen dam was removed at Wintergreen Lake recently.
 - Ice jams two years ago destroyed the 9N bridge across Hague Brook.
 - Yaw Road area in northern portion of the town experiences flooding from Trout Brook.
- Other
 - N/A

Town of Horicon, Warren County CID# 360874
Pre- Discovery Webinar Attendance: Did not attend
Discovery Stakeholder Survey Completed: May 2, 2016
Discovery Meeting Attendance: Did not attend

Community Representative(s):

Matthew J. Simpson, Town Supervisor
Town of Horicon
P.O. Box 90
Brant Lake, NY 12815
518-494-3647
supervisor@horiconny.gov

Town of Horicon Stream Study Requests (in priority order):

The Town did not indicate any Special Flood Hazard Area inaccuracies on the FIRM and did not request any new or updated studies. Absent different information, it is assumed the Town has no stream study requests at this time.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- Flooding from the Schroon River recently affected East Schroon River Road.
- The entire reach of the Schroon River along Schroon River Road is prone to repeated flooding.
- There is a verifiable high water mark on the old Glendale Road Bridge over the Schroon River at Glendale.

Community Planning and Ongoing Projects:

- There are no recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update.
- There is not recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.

Mitigation Activities:

- No information was provided about mitigation activities.

Training Needs:

- No information was provided about training needs.

National Flood Insurance Program/Floodplain Management Information:

- No information was provided about the NFIP and floodplain management.

Available Data:

- No information was provided about available data.

Additional Comments:

- From Scoping Maps
 - N/A
- Other
 - N/A

Town of Lake George, Warren County CID# 360876

Pre- Discovery Webinar Attendance: Attended

Discovery Stakeholder Survey Completed: April 8, 2016, June 8, 2016

Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

Dan Barusch, Director of Planning and Zoning (Pre-Meeting Survey and Meeting)

Town of Lake George

20 Old Post Road

Lake George, NY 12845

518-668-5131, extension 5

dbarusch@lakegeorgetown.org

Town of Lake George Stream Study Requests (in priority order):

1. Lake George is in need of a revised detailed study. There are properties in the vicinity of Lakeview Estates near the lakeshore that have been recently affected by flooding. The area near Michelle Road and Middle Road to South Shore has been developed and flooding has occurred along Route 76 nearby.
2. English Brook is need of a new detailed study. There are properties in the vicinity that have been recently affected by flooding.
3. Smith Brook is in need of a revised detailed study. This is a major stream in the town.
4. West Brook is in need of a revised detailed study. This is a major stream in the town.

Other Stakeholders:

- Jim Lieberum, District Manager
Warren County Soil and Water Conservation District
394 Schroon River Road
Warrensburg, NY 12885
518-623-3119
jim99@nycap.rr.com
- Brian LaFlure, Director
Warren County Emergency Services
1340 State Route 9
Lake George, NY 12845
518-761-6537
laflureb@co.warren.ny.us
- Chris Navitsky, Fund for Lake George

GIS Users:

- Sara Frankenfeld, GIS Coordinator
Warren County Planning and Community Development Department
518-761-6398
frankenfelds@warrencountyny.gov

Historical Flood Problems:

- Areas along English Brook, Smith Brook, West Brook, and the Schroon River are the areas that most commonly flood.

- Most repeat flooding occurs along English Brook and the Schroon River, in addition to an unnamed stream near Lake View Drive/Circle.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are numerous projects ongoing in the town (mostly private) that may affect the floodplain. The DOT is performing a scour protection project along English Brook.
- There has been recent development in the town, including several major subdivisions. These include areas near Diamond Point along Smith Brook and an area near English Brook off U.S. Route 9.
- A portion of Lake View Brook, Smith Brook, and English Brook are piped underground.
- The town does not have an open space plan.
- The town participates in a watershed management plan. The plan, “Lake George – Planning for the Future” was prepared in 2001. Dan Barusch, Town Planning and Zoning Office, is the point of contact.

Mitigation Activities:

- The town participates in the county hazard mitigation plan and is currently working on updates to the 2011 plan. Dan Barusch, Town Planning and Zoning Office, is the Town point of contact.
- There are various stormwater management projects under development. The channel is being widened and a culvert resized for an area along West Brook. Dan Barusch is the point of contact.

Training Needs:

- Training on the following topics would be helpful to the town:
 - Floodplain Management Administration
 - Effective Public Outreach
 - Hazard Mitigation & Grant Programs

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the town.
- The town is familiar with the CRS program and would like more information about it.
- The town has an active floodplain development permit process. The town’s Planning and Zoning Office is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in GIS format.
 - Contact: Sarah Frankenfeld, Warren County GIS
 - Transportation features are available in GIS format.
 - Contact: Sarah Frankenfeld, Warren County GIS
 - Parcel and zoning data are available in GIS format.
 - Contact: Sarah Frankenfeld, Warren County GIS
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are not available.
 - Local survey data are available in hard copy format.
 - Contact: Dan Barusch, Town Planning and Zoning Office

- Local flood gage or rain gage data are available in hard copy format.
 - Contact: Lake George Park Commission, Lake George Association, or Warren County Soil and Conservation District.
- Lake George Stream Assessment report on erosion is available from the Warren County Soil and Water Conservation District.
- Risk Assessment Data
 - Essential/critical facilities data are available in GIS format.
 - Contact: Town Fire and EMS
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood zones are available in GIS format.
 - Contact: Sarah Frankenfeld, Warren County GIS

Additional Comments:

- From Scoping Maps
 - The DOT is performing scour protection along English Brook at U.S. Route 9 near Finkle Road.
 - There is new development west of I-87 near Kings Road. However, this is not a floodprone area.
- Other
 - Consider involving the County Hazard Mitigation Coordinator in the project.

Village of Lake George, Warren County CID# 360877

Pre- Discovery Webinar Attendance: Attended

Discovery Stakeholder Survey Completed: June 8, 2016

Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

Douglas Frost, Zoning/Planning Administrator

Village of Lake George

P.O. Box 791

Lake George, NY 12845

518-668-5772

lqzoningceo@hotmail.com

Village of Lake George Stream Study Requests (in priority order):

1. Prospect Mountain Brook, Tributary to Prospect Mountain Brook, and unnamed tributary to Lake George are in need of a new detailed study. They are not currently mapped. These tributaries commonly flood after storms which affects various properties in the area.
2. English Brook is in need of a new detailed study. This stream is prone to repeated flooding and residences are affected.

Other Stakeholders:

- Jim Lieberum, District Manager
Warren County Soil and Water Conservation District
394 Schroon River Road
Warrensburg, NY 12885
518-623-3119
jim99@nycap.rr.com
- Brian LaFlure, Director
Warren County Emergency Services
1340 State Route 9
Lake George, NY 12845
518-761-6537
laflureb@co.warren.ny.us

GIS Users:

- Sara Frankenfeld, GIS Coordinator
Warren County Planning and Community Development Department
518-761-6398
frankenfelds@warrencountyny.gov

Historical Flood Problems:

- Prospect Mountain Brook and English Brook flood only during major events.
- High school playing field floods occasionally due to an unnamed stream.
- Prospect Mountain Brook, Tributary to Prospect Mountain Brook, Unnamed Tributary to Lake George, and West Brook along School and McGillis Avenue are areas affected by repeated flooding.
- There are no verifiable high water marks in the village.

Community Planning and Ongoing Projects:

- The DOT is performing scour projects in the village.
- A subdivision close to the Lake George shore east of Route 9N and a new stormwater retention basin south of Hubbell Lane are in development. The latter does not appear to be close to the floodplain.
- All water courses through the village are partially piped.
- The village does not have an open space plan.
- The village participates in the watershed management plan “Lake George – Planning for the Future” dated 2001. The village also participates in MS4-related activities. The point of contact is Dave Harrington.

Mitigation Activities:

- The village participates in the county hazard mitigation plan which is currently being updated. Douglas Frost, Zoning/Planning Administrator, is the town point of contact.
- For West Brook, the channel has been widened and culverts resized.

Training Needs:

- Training on the following topics would be helpful to the village:
 - Floodplain Management Administration
 - Effective Public Outreach
 - Hazard Mitigation & Grant Programs

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the village.
- The village is not familiar with the CRS program and does not need more information about it.
- The village has an active floodplain development permit process. The village’s planning/zoning officer is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in GIS format.
 - Contact: Sarah Frankenfeld, Warren County GIS
 - Transportation features are available in GIS format.
 - Contact: Sarah Frankenfeld, Warren County GIS
 - Parcel and zoning data are available in GIS format.
 - Contact: Sarah Frankenfeld, Warren County GIS
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are not available.
 - Local survey data are available in hard copy format.
 - Contact: Douglas Frost, Village Zoning Office
 - Local flood gage or rain gage data are not available.
 - Flood hazard studies for public/private funded projects in the village are available.
 - Contact: Warren County Soil and Water Conservation District
- Risk Assessment Data
 - Essential/critical facilities data are available in GIS format.
 - Contact: Village Fire and EMS

- Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
- Historical flood zones are available.
 - Contact: Sarah Frankenfeld, Warren County GIS

Additional Comments:

- From Scoping Maps
 - Tributary A, B and C to Lake George flood but are not currently mapped:
 - Prospect Mountain Brook: north of Mohican Street
 - Tributary to Prospect Mountain Brook: at McGillis Avenue
 - Unnamed tributary to Lake George: south of Mountain Drive
 - Flooding from Irene occurred in Thompson Heights along U.S. Route 9, along Sewell Road, and along Westbrook Road
- Other
 - N/A

Town of Queensbury, Warren County CID# 360879

Pre- Discovery Webinar Attendance: Attended

Discovery Stakeholder Survey Completed: May 6, 2016, June 8, 2016

Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

John Strough, Town Supervisor (Meeting)

Town of Queensbury

742 Bay Road

Queensbury, NY 12804

518-761-8229

qbysupervisor@queensbury.net

George Hilton, GIS Administrator (Pre-Meeting Survey and Meeting)

Town of Queensbury

742 Bay Road

Queensbury, NY 12804

518-761-8217

georgeh@queensbury.net

Town of Queensbury Stream Study Requests (in priority order):

1. Halfway Brook Reach 2 (east of Chestnut Ridge to approximately 8,225 feet upstream, west of I-87) is in need of a revised detailed study. Areas of the same elevation are shown outside of the floodplain in some areas and inside of the floodplain in other areas.
2. Halfway Brook Reach 3 (west of I-87 to approximately 2,845 feet upstream, north of Peggy Ann Road) is in need of a new detailed study. There is a potential for development in this area and it would be helpful to have BFEs established.

Other Stakeholders:

- Dave Hatin, Director of Building and Codes
Town of Queensbury
518-761-8253
- Mike Palmer, Fire Marshal
Town of Queensbury
518-761-8206

GIS Users:

- George Hilton, GIS Administrator
Town of Queensbury
742 Bay Road
Queensbury, NY 12804
518-761-8217
georgeh@queensbury.net

Historical Flood Problems:

- Minor flooding along Halfway Brook and its tributaries commonly occurs in the spring.
- There are repeated flooding problems along Meadowbrook Road (Halfway Brook), Big Bay/Big Boom Road (Hudson River and tributaries), and Homer Avenue south of Quaker Road (Tributary of Halfway Brook).

- There is flooding from higher ground wetlands that affects several homes (basement flooding). This area is close to Halfway Brook, in the vicinity of Route 34 and Garrison Road.
- There are concerns about dam break inundations since there are four dams in the community, include Glen Lake Dam and several other smaller reservoirs.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are several bridge and culvert replacements underway in the town including Butler Road near the Butler Storage Reservoir, Route 56 near the Wilkes Intake Reservoir,
- There are several residential developments underway in the town, including 972 apartment units on Bay Road, and potential for another 87 units near Gurney Lane and Mountain Road.
- There are no piped or naturally occurring underground streams in the community.
- The town has an open space plan that was approved in 2003 and is available on the town's website. Craig Brown (518-761-8218) is the point of contact.
- The town has several watershed management plans for different sub-basins that support their MS4 program. The plan covers the Halfway Brook watershed and Glen Lake. Jim Lieberum at the Warren County Soil and Water Conservation District is the point of contact.

Mitigation Activities:

- The town participates in the county hazard mitigation plan. Mike Palmer (518-761-8206) and Jim Lieberum at the Warren County Soil and Water Conservation District are the points of contact.
- The town is interested in implementing mitigation activities for Halfway Brook to improve water quality.

Training Needs:

- Training on the following topics would be helpful to the town:
 - Floodplain Management Administration
 - Hazard Mitigation & Grant Programs
 - Effective Public Outreach
 - Watershed Management

National Flood Insurance Program/Floodplain Management Information:

- There are LOMC clusters in the vicinity of Glen Lake and Lake George.
- The town is familiar with the CRS program and would like more information about it.
- The town has an active floodplain development permit process. The town's Director of Building and Codes, Dave Hatin (518-761-8253) is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in GIS and hard copy format.
 - Contact: George Hilton, Town GIS Administrator
 - Transportation features are available in GIS and hard copy format.
 - Contact: George Hilton, Town GIS Administrator
 - Parcel and zoning data are available in hard copy and GIS format.
 - Contact: George Hilton, Town GIS Administrator
 - Building footprint data are available in GIS and hard copy format.

- Contact: George Hilton, Town GIS Administrator
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are available in GIS format.
 - Contact: George Hilton, Town GIS Administrator
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are available in GIS format.
 - Contact: George Hilton, Town GIS Administrator
 - Hazard mapping data are available in GIS format.
 - Contact: George Hilton, Town GIS Administrator
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - The Rockwell Road bridge over a tributary to Lake Sunnyside is being replaced this summer.
 - There was a DOT bridge replacement for the Route 9 crossing over Halfway Creek in 2011.
 - There is a culvert replacement planned along West Mountain Road along Halfway Creek.
 - There are dams at Wilkie Reservoir, Butler Storage Reservoir, Keenan Reservoir, and Glen Lake.
- Other
 - N/A

Town of Warrensburg, Warren County CID# 360882

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: April 5, 2016, June 8, 2016

Discovery Meeting Attendance: June 8, 2016

Community Representative(s):

Christopher Belden, Zoning Administrator/Floodplain Administrator

Town of Warrensburg

3797 Main Street

Warrensburg, NY 12885

518-623-9214

chris.belden@townofwarrensburg.net

Town of Warrensburg Stream Study Requests (in priority order):

1. No specific inaccuracies were noted, but digital FIRMs are badly needed.

Other Stakeholders:

- Ed Pennock, Highway Superintendent
Town of Warrensburg
Edward.Pennock@townofwarrensburg.net
- Dexter Duell, Water/Sewer/Grounds
Town of Warrensburg
Dexter.Duell@townofwarrensburg.net
- Kevin Geraghty, Town Supervisor
Town of Warrensburg
Kevin.Geraghty@townofwarrensburg.net

GIS Users:

- Christopher Belden, Zoning Administrator/Floodplain Administrator
Town of Warrensburg
3797 Main Street
Warrensburg, NY 12885
518-623-9214
chris.belden@townofwarrensburg.net
- Sara Frankenfeld, GIS Coordinator
Warren County Planning and Community Development Department
518-761-6398
frankenfelds@warrencountyny.gov

Historical Flood Problems:

- Flooding commonly occurs after major storm events.
- Flooding on Golf Course Road and state land due to ice jams on the Hudson River also occurs.
- Flooding occurred in 2011 on Viele Pond Road from Viele Pond Brook and Podunk Brook due to a storm event. This event blew out culverts and damaged roads.
- There is a verifiable high water mark on the Osborn Bridge at Richards Avenue.

Community Planning and Ongoing Projects:

- The Woolen Mills Bridge (County Route 10-Milton Avenue) was recently replaced. Jeff Tennyson, Warren County Department of Public Works is the point of contact.
- A culvert and bridge were recently replaced at Viele Pond. Ed Pennock, Town Highway Superintendent is the point of contact.
- There is new development in the town north of Hudson Street east of Lake Avenue and north of the Schroon River.
- There are no piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town participates in the county hazard mitigation plan. The town is also working on a Comprehensive Emergency Management Plan (CEMP).
- Deed restriction was identified as a prior flood mitigation activity.

Training Needs:

- Training on the following topics would be helpful to the town:
 - Floodplain Management Administration
 - Effective Public Outreach
 - Building Code Requirements
 - Hazard Mitigation & Grant Programs

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the town.
- The town is familiar with the CRS program and would like more information about it.
- The town has an active floodplain development permit process. The town's Zoning Administrator (Chris Belden) is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in hard copy and GIS format.
 - Contact: Warren County GIS
 - Transportation features are available in hard copy and GIS format.
 - Contact: Warren County GIS
 - Parcel and zoning data are available in hard copy and GIS format.
 - Contact: Warren County GIS
 - Building footprint data are available in GIS format.
 - Contact: Warren County GIS
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are available in GIS format.
 - Local survey data are available in hard copy format.
 - Contact: Warrensburg Zoning Office
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are available in hard copy and GIS format.

- Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
- Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - Deed restriction is performed along the Schroon River at the power plant.
 - New development has occurred north of Hudson Street, south of Lake Avenue, and north of Library Avenue, the latter just north of the Schroon River.
- Other
 - N/A

Washington County, CID# 36115C

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: May 2, 2016, May 3, 2016, May 6, 2016, June 9, 2016

Discovery Meeting Attendance: June 9, 2016

Community Representative(s):

Robert Henke, Chairman, Washington County Board of Supervisors (Pre-Meeting Survey)
383 Broadway
Fort Edward, NY 12828
518-746-2212
rhenke@co.washington.ny.us

Jonathan Pease, Washington County Emergency Management Coordinator (Pre-Meeting Survey and Meeting)
Department of Public Safety
383 Broadway
Fort Edward, NY 12828
518-747-7520
jpease@co.washington.ny.us

Harrison Steves, Washington County Buildings & Grounds Superintendent (Pre-Meeting Survey)
383 Broadway
Fort Edward, NY 12828
518-746-2451
hsteves@co.washington.ny.us

Heather Weller, GIS Specialist (Pre-Meeting Survey and Meeting)
Washington County Office of Real Property
383 Broadway
Fort Edward, NY 12828
518-746-2130
hweller@co.washington.ny.us

Steven Smith, Washington County Code Enforcement Officer (Pre-Meeting Survey)
Annex 1
415 Lower Main Street
Hudson Falls, NY 12839
518-746-2150
ssmith@co.washington.ny.us

Layne Darfler (Meeting)
Washington County Planning Department
383 Broadway
Fort Edward, NY 12828
518-746-2290
ldarfler@co.washington.ny.us

Robert Kalbfliesh, District Technician (Meeting)
Washington County Soil and Water Conservation District
2530 State Route 40
USDA Service Center
Greenwich, NY 12834
518-692-9940 Extension 116
robert.kalbfliesh@ny.nacdnet.net

Corrina Aldrich, District Manager (Meeting)
Washington County Soil and Water Conservation District
2530 State Route 40
USDA Service Center
Greenwich, NY 12834
518-692-9940 Extension 5
corrina.aldrich@ny.nacdnet.net

Washington County Stream Study Requests (in priority order):

1. In general, the maps for most of the county are very old (produced in the 1970s) with a scale that makes it impossible to determine the floodplain boundaries accurately enough for building permit issuance in many cases. Revision of the maps with appropriate scale in a digital format is of primary importance.
2. Batten Kill from the Vermont border to the confluence with the Hudson River is in need of a revised detailed study. There are major inaccuracies on the FIRM and a high level of vulnerability to flooding in this area.
3. Given past flooding incidents, restudies of the Mettawee River and Indian River within the Towns of Whitehall and Granville are also desired.

Restudies of the Hudson River (Towns of Fort Edward, Greenwich, and Easton) and White Creek (Towns of Salem, Cambridge, White Creek) were also requested. However, these areas are outside of the Discovery project area.

Other Stakeholders:

- Glen Gosnell, Director
Washington County Department of Public Safety
383 Broadway
Fort Edward, NY 12828
518-746-2141
ggosnell@co.washington.ny.us
- Debbie Prehoda, Clerk to Washington County Board of Supervisors
383 Broadway
Fort Edward, NY 12828
518-746-2290
supervisors@co.washington.ny.us

GIS Users:

- Heather Weller, GIS Specialist
Washington County Office of Real Property
383 Broadway
Fort Edward, NY 12828
518-746-2130
hweller@co.washington.ny.us
- Laura Chadwick, Director
Washington County Office of Real Property
383 Broadway
Fort Edward, NY 12828
518-746-2130
lchadwick@co.washington.ny.us

Historical Flood Problems:

- Flooding from Hurricane Sandy occurred in the eastern part of the county.
- Flooding from Irene in 2011 occurred on a number of tributaries in the southern part of the county.
- Repeated flooding, bank issues, erosion are a problem in Greenwich.
- There is repeated flooding, inaccurate elevations, and a high level of development along the Hudson River.
- White Creek and some areas along the Hudson River have flooded recently.
- Usually springtime thaw and any lasting rainfall events in higher elevations where tributaries are overwhelmed leads to flooding along the Hudson, Mettawee, Batten Kill, and Hoosic Rivers in the county.
- In 2011, the county experienced significant flooding during Tropical Storm Irene, with notable damage in the Towns of Granville, Salem, Cambridge, Fort Edward and White Creek.
- Salem, Whitehall and Granville have all had repeated flooding problems.
- There are verifiable high water marks in the county: In the Village of Whitehall where the Champlain Canal meets the southern basin of Lake Champlain; Village of Granville along the Indian River, and possibly along the Mettawee River as well. Salem and Sushan may also have high water marks present.

Community Planning and Ongoing Projects:

- There are bridge and culvert replacements ongoing in the county.
- There has been recent development in the Hudson Falls area including a large apartment building (outside of the Lake Champlain Watershed).
- There are piped and underground streams in the county. The county has a GIS layer of these streams available.
- The county has an open space plan. A farmland protection plan is also currently being developed. Certain individual communities have their own plans.
- The county has a watershed management plan. Layne Darfler of the County Planning department is the point of contact. The plan is not countywide.

Mitigation Activities:

- The county is currently updating their hazard mitigation plan. Jonathan Pease, the Emergency Management Coordinator is the point of contact.
- No flood mitigation activities were noted.

Training Needs:

- Training on the following topics would be helpful:
 - Floodplain Management Administration
 - Effective Public Outreach
 - Hazard Mitigation & Grant Programs
 - Individual and Public Assistance Programs

National Flood Insurance Program/Floodplain Management Information:

- The county is not aware of any LOMC clusters located in the Discovery project area.
- The county is aware of the CRS program and would like more information about it. The county would like updated maps and additional information before providing assistance to communities to join the program.
- The county Code Enforcement department has involvement (along with community officials) with the floodplain permitting process.

Available Data:

- Base Map Data
 - Political boundary data are available in GIS and hard copy format.
 - Contact: Heather Weller, Washington County Real Property Office
 - Transportation feature data are available in GIS and hard copy format.
 - Contact: Heather Weller, Washington County Real Property Office
 - Parcel data are available in GIS format; Zoning data are partially available in GIS format.
 - Contact: Heather Weller, Washington County Real Property Office
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are available in hard copy format.
 - Locations of dams are available in GIS and hard copy format.
 - Contact: Heather Weller, Washington County Real Property Office
 - Local survey data are available in hard copy format.
 - Local flood gage or rain gage data are not available.
 - There are flood hazard studies for public/private funded projects in progress. These include stream and bank restoration projects.
 - Contact: U.S. Fish and Wildlife Service, Ducks Unlimited, Batten Kill Alliance
- Risk Assessment Data
 - Essential/critical facilities data are available in GIS format.
 - Contact: Heather Weller, Washington County Real Property Office
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - Flooding due to Irene occurred mainly in the southeastern part of the county.
 - Flooding due to Sandy occurred in the east central part of the county.
- Other
 - The county emphasized that digital flood maps are strongly desired.

Town of Dresden, Washington County CID# 361410

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: June 9, 2016

Discovery Meeting Attendance: June 9, 2016

Community Representative(s):

Richard Hobus, Highway Superintendent

Town of Dresden

576 County Route 6

Clemons, NY 12819

518-499-2040

hobus@verizon.net

Town of Dresden Stream Study Requests (in priority order):

The Town did not indicate that the current Special Flood Hazard Areas shown on the FIRM are inaccurate or provide any requests for new or updated studies. Absent different information, it is assumed the Town has no stream study requests at this time.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- Mountainous terrain can cause issues with overflow. In general, homes are well elevated though.
- Culverts in some areas are unable to handle volume including along Pike Brook/Pike Brook Road.
- Road closures have been needed for several days for North Road west of Route 22.
- There have been repeated flooding problems along Pike Brook due to beaver dams.
- Homes east of Route 22 at Dresden Station have a potential for repeated flooding.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are a number of ongoing projects underway in the town including culvert replacements along North Road west of Route 22 and along Pike Brook Road south of Route 8. Most are to increase culvert capacity. Along Hulett's Landing, the Town is planning to install an underground pipe to address drainage issues.
- There is no recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town participates in the county hazard mitigation plan.
- Flood mitigation activities include projects to increase the capacity of numerous culverts in the town.

Training Needs:

- No training needs were identified.

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the town.
- The town is not familiar with the CRS program and would like more information about it. The Town Supervisor is the point of contact.
- The town does not have an active floodplain development permit process.

Available Data:

- Base Map Data
 - Political boundaries are not available.
 - Transportation features used are available from Washington County.
 - Parcel and zoning data are not available.
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are not available. However, there are 2 dams located in the town, one at Pine Lake and another west of Bald Mountain at Pike Brook.
 - Local survey data are not available.
 - There are two privately owned flood or rain gages in the town.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities include two fire stations within the town.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - A mitigation priority is needed to place sewer lines underground at Hulett's Landing near Lake George shoreline.
 - Pine Lake serves as the town's water supply.
- Other
 - N/A

Town of Fort Ann, Washington County CID# 361231

Pre- Discovery Webinar Attendance: Attended

Discovery Stakeholder Survey Completed: April 26, 2016, June 9, 2016

Discovery Meeting Attendance: June 9, 2016

Community Representative(s):

Richard Moore, Town Supervisor (Pre-Meeting Survey)

Town of Fort Ann

80 George Street

Fort Ann, NY 12827

518-639-8929

supervisorfortann@gmail.com

Mark Miller, Code Enforcement Officer (Meeting)

Town of Fort Ann

80 George Street

Fort Ann, NY 12827

518-796-0103

sqpegii@aol.com

Town of Fort Ann Stream Study Requests (in priority order):

1. Hadlock Pond is in need of a new detailed study due to the installation of a new dam and a previous dam failure.
2. Champlain Canal is in need of a new detailed study.
3. Halfway Creek is in need of a new detailed study.
4. Hog Pond area is in need of a new approximate study. There is development in the area, steep slopes, and spring flooding occurs.
5. Greenland Brook/South Bay is in need of a new detailed study. There are major flows during the spring.

Other Stakeholders:

- N/A

GIS Users:

- Heather Weller, GIS Specialist
Washington County Office of Real Property
383 Broadway
Fort Edward, NY 12828
518-746-2130
hweller@co.washington.ny.us

Historical Flood Problems:

- Hadlock Pond Dam was breached in 2005.
- Along Halfway Brook, a portion of the bank washed away recently and the stream has shifted course.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are bridge replacements underway for Joe Green Road and Goodman Road. The point of contact is Steve Haskins of Washington County. There have also been multiple culvert replacements throughout the town along Halfway Brook.
- There is no recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan. However, they implement measures such as reduced salt usage near lake sites.

Mitigation Activities:

- The town's emergency plan was last updated in 2015. The Town Supervisor is the point of contact.
- Bank stabilization has been performed along Halfway Creek in the vicinity of Goodman Road.

Training Needs:

- Training on Floodplain Management Administration would be helpful to the town.

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the town.
- The town is not familiar with the CRS program and would like more information about it.
- The town does not have an active floodplain development permit process. The town is working to implement a process using building permits from Washington County. Mark Miller, Code Enforcement Officer is the point of contact.

Available Data:

- Base Map Data
 - No data are available.
- Engineering Data
 - Locations of flood control structures are available in hard copy format. Information for Hadlock Pond is available from Haley and Aldrich Engineers.
 - Locations of dams are available in hard copy format. Two dams are located in the town: Hadlock Pond dam and the Hogtown Dam.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are available in hard copy format in the Town Emergency Plan last updated in 2015.
 - The Hadlock Pond Emergency Plan is available in hard copy format. The DEC also has relevant data available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - There is bank erosion and stream migration occurring along Halfway Creek at Tripoli Road.

- Another portion of the bank washed away along Halfway Creek at the Bentley Road crossing.
- Other
 - N/A

Village of Fort Ann, Washington County CID# 360884

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: None submitted

Discovery Meeting Attendance: Did Not Attend

Village of Fort Ann Stream Study Requests (in priority order):

The Village of Fort Ann chose not to attend either the pre-Discovery webinars or the in-person Discovery Meeting. No Discovery stakeholder survey was received by NYSDEC. Absent different information, it is assumed the Village has no stream study requests at this time.

Town of Granville, Washington County CID# 361232
Pre- Discovery Webinar Attendance: Did not attend
Discovery Stakeholder Survey Completed: May 2, 2016
Discovery Meeting Attendance: Did not attend

Community Representative(s):

Alton E. Knapp, Jr., Floodplain Manager/Consultant
Town of Granville
3031 State Route 40
Greenwich, NY 12834
518-692-8466
aeknappjr@aol.com

Town of Granville Stream Study Requests (in priority order):

1. Indian River (from south corporate limit with the Town of Hebron to the confluence with the Mettawee River) is in need of a new detailed study. This flooding source currently has an outdated approximate study from 1985 and there is considerable development pressure in the area.
2. Mettawee River (from the Vermont border through the Village of Granville to the north corporate boundary with the Town of Whitehall) is in need of a new detailed study. This flooding source currently has an outdated approximate study from 1985 and there is considerable development pressure in the area.

Other Stakeholders:

- N/A

GIS Users:

- Washington County Real Property
518-746-2160

Historical Flood Problems:

- The town was affected by Hurricane Irene in 2011.
- The area in the vicinity of Routes 149 and 22 is prone to repeated flooding.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update. However, no specific details were provided.
- There is not recent or planned residential or commercial development in the town.
- There are no piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town participates in the county hazard mitigation plan.
- The town did not report any prior flood mitigation activities.

Training Needs:

- No training needs were identified.

National Flood Insurance Program/Floodplain Management Information:

- There are several LOMCs along the Indian and Mettawee Rivers.
- The town is familiar with the CRS program and does not want more information about it.
- The town has an active floodplain development permit process. The town's floodplain management consultant, Alton Knapp, Jr., is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in GIS format.
 - Contact: Washington County GIS
 - Transportation features are available in GIS format.
 - Contact: Washington County GIS
 - Parcel and zoning data are available in GIS format.
 - Contact: Washington County GIS
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are not available.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are not available.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - N/A
- Other
 - N/A

Village of Granville, Washington County CID# 360886

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: June 9, 2016

Discovery Meeting Attendance: June 9, 2016

Community Representative(s):

Scott Mackey, Assistant Chief Operator (Meeting)

Village of Granville

P.O. Box 208

Granville, NY 12832

518-742-9200

scottmvog@yahoo.com

Dan Williams, Superintendent of Public Works (Pre-Meeting Survey and Meeting)

Village of Granville

P.O. Box 208

Granville, NY 12832

518-361-9549

chiefopdan@roadrunner.com

Village of Granville Stream Study Requests (in priority order):

1. The Mettawee River is in need of a new detailed study. It currently has an approximate study that is very old and inaccurate. This area commonly floods and is the primary flooding source in the community. Some areas of high ground are incorrectly shown as being located in the floodplain currently.

Other Stakeholders:

- Rick Roberts, Village of Granville Clerk
518-642-2640
granville@roadrunner.com

GIS Users:

- Jason Preisner, Lamont Engineers (Village engineering consultant)
518-234-4028
jpreisner@lamontengineers.com

Historical Flood Problems:

- Both the Mettawee River and Indian River flooded during Hurricane Irene and in the mid-1990s. Both rivers also periodically flood due to ice jams.
- The wastewater treatment plant and a well field periodically flood from the Mettawee River. There is also a development near the water treatment plant (12 houses) that floods periodically.
- Repeated flooding problems occur upstream of the Main Street bridge over the Mettawee River in the Factory Street, Water Street, and Rathbun Avenue area.
- There are verifiable high water marks in the village: at the wastewater treatment plant (after Hurricane Irene) and possibly on the Church Street Bridge which is scheduled to be replaced. Scott Mackey and Dan Williams are the points of contact.

Community Planning and Ongoing Projects:

- There is a bridge replacement planned for the Church Street Bridge over the Mettawee River.
- There is a coal tar removal project scheduled for 2018 that will temporarily rechannel the Mettawee River for part of its course through the village. This is a NYSDEC project.
- There are upgrades being performed for the wastewater treatment plant, including a new pump station.
- There are no piped or naturally occurring underground streams in the community.
- The village does not have an open space plan.
- The village does not have or participate in a watershed management plan.

Mitigation Activities:

- The village representatives were not aware of hazard mitigation planning activities or involvement in the county's hazard mitigation plan.
- There is a Natural Resources Conservation Service (NRCS) project planned or underway to rebuild river banks to protect the village's well field and museum and wastewater treatment plant pump station.

Training Needs:

- Training on the following topics would be helpful to the village:
 - Effective Public Outreach (about the FIRMs, floodway requirements, general preparedness)
 - Hazard Mitigation & Grant Programs

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the village.
- The village is familiar with the CRS program and does not need more information about it.
- The village does not have an active floodplain development permit process. Permitting goes through the county. The village's department of public work has some involvement.

Available Data:

- Base Map Data
 - Political boundaries are available in hard copy format.
 - Transportation features are available in hard copy format.
 - Parcel and zoning data are not available.
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - GIS mapping of village water and wastewater systems is being developed under R-CAP funding.
 - Contact: Jason Preisner, Lamont Engineers (Village engineering consultant)
 - Locations of dams are not available. Note that there are the partial remains of a dam within the village along the Mettawee River.
 - Local survey data are available in digital format from a project to rebuild a portion of the channel of the Mettawee River.
 - Contact: Jason Preisner, Lamont Engineers (Village engineering consultant)
 - Local flood gage or rain gage data are not available.

- Risk Assessment Data
 - The wastewater treatment plant is the only critical facility located in the floodplain.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - The Village's well field along the Mettawee River south of Route 149 near the eastern corporate limit floods periodically.
 - The coal tar removal area is east of the Mettawee River, along the railroad, north of the village center.
- Other
 - N/A

Town of Hampton, Washington County CID# 361442

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: None submitted

Discovery Meeting Attendance: Did not attend

Town of Hampton Stream Study Requests (in priority order):

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

Town of Putnam, Washington County CID# 361236

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: None submitted

Discovery Meeting Attendance: Did not attend

Town of Putnam Stream Study Requests (in priority order):

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

Town of Whitehall, Washington County CID# 361239

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: June 9, 2016

Discovery Meeting Attendance: June 9, 2016

Community Representative(s):

George Armstrong, Town Supervisor

Town of Whitehall

57 Skenesborough Drive

Whitehall, NY 12887

518-499-1535

mrwonderful_2@excite.com

Town of Whitehall Stream Study Requests (in priority order):

1. The Mettawee River is in need of a revised approximate study to reflect updated topography. Digital floodplain boundaries are needed.
2. A digital mapping product including floodplain boundaries are needed for Lake Champlain, Wood Creek, Mud Brook, and Poultney River.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- The Mettawee River floods somewhat frequently, especially during spring snowmelt.
- Significant flooding occurred in 2011 in the spring.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are no recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update.
- There has been recent development in the town north of the Mettawee River near Grays Corner.
- There are no piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town participates in the county hazard mitigation plan.
- The town did not report any prior flood mitigation activities.

Training Needs:

- Training on Floodplain Management Administration would be helpful to the town.

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the town.
- The town is not familiar with the CRS program and would like more information about it.

- The town has an active floodplain development permit process. The town's Code Enforcement Officer is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in GIS format.
 - Transportation features are available in GIS format.
 - Parcel and zoning data are available in GIS format.
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are not available.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are available in GIS format.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - The area along the Mettawee River south of Route 12 and east of Upper Turnpike is the top priority for restudy.
- Other
 - N/A

Village of Whitehall, Washington County CID# 360889

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: June 9, 2016

Discovery Meeting Attendance: June 9, 2016

Community Representative(s):

Kenneth Bartholomew, Mayor

Village of Whitehall

57 Skenesborough Drive

Whitehall, NY 12887

518-499-0871

kbartho1@nycap.rr.com

Village of Whitehall Stream Study Requests (in priority order):

1. The Champlain River Canal is in need of a new detailed study. The current approximate floodplain boundaries are inaccurate and development has occurred in the area.
2. Wood Creek north of South Williams Street is in need of a new detailed study. Flooding has occurred in this area recently and there is a dike that should be modeled in the study. There are also culverts by the railroad that should be modeled as part of the study.
3. Lake Champlain is in need of a new detailed study.

General comment: Digital FIRMs would be very useful for the village.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- East Bay along the state boundary floods during high water.
- In 2011, flooding occurred in the northwest part of the village.
- Areas near Skene Mountain and Montcalm Avenue east of the wastewater treatment facility have had repeated flooding in the spring.
- There are no verifiable high water marks in the village.

Community Planning and Ongoing Projects:

- There are no recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update.
- There has been recent residential development in the village east of Route 22 and west of Mountain Road.
- There are no piped or naturally occurring underground streams in the community.
- The village does not have an open space plan.
- The village does not have or participate in a watershed management plan.

Mitigation Activities:

- The village participates in the county hazard mitigation plan. The village also has a disaster prevention plan prepared in 2016.
- The village did not report any prior flood mitigation activities.

Training Needs:

- Training on Floodplain Management Administration would be helpful to the village.

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the village.
- The village is not familiar with the CRS program and does not want more information about it.
- The village has an active floodplain development permit process. The village's Code Enforcement Officer is responsible for floodplain permitting.

Available Data:

- Base Map Data
 - Political boundaries are available in GIS format.
 - Transportation features are available in GIS format.
 - Parcel and zoning data are available in GIS format.
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are not available.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the village.
- Risk Assessment Data
 - Essential/critical facilities data are available in GIS format.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - Undersized culverts at the railroad for Mettawee River.
 - The area east of the railroad along the Mettawee River and north of the town center is not mapped as a floodplain but has flooding issues.
- Other
 - N/A

Lake Champlain Watershed

Other Participating Stakeholders:

Robert W. Streeter, NYSDEC Region 5 Flood Program Manager

232 Golf Course Road

Warrensburg, NY 12885

518-623-1221

robert.streeter@dec.ny.gov

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: May 2, 2016

Discovery Meeting Attendance: Did Not Attend

Historical Flood Problems:

- Multiple areas within Region 5 were flooded in recent years, including the 500-year flood of Lake Champlain.
- Repeated flooding is a problem along Hudson River, Lake Champlain, and the Mohawk River.
- There are verifiable flood high water marks in the watershed. However, no specific location were identified.

Community Planning and Ongoing Projects:

- There are recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update. However, no specific information was provided.
- There has been recent development in the watershed. However, no specific information was provided.
- There are piped or naturally occurring underground streams in the watershed. However, no specific information was provided.

Mitigation Activities:

- Hazard mitigation activities have been performed in response to recent flooding of the Keene Valley.

Training Needs:

- Training on the following topics would be helpful:
 - Floodplain Management Administration (Many communities do not retain code officials for very long)
 - Public Outreach

National Flood Insurance Program/Floodplain Management Information:

- Most communities are aware of the program and are administering their local laws.

Lake Champlain Watershed

Other Participating Stakeholders:

William Wellman

Member, Lake Champlain Trout Unlimited, CAC NYS Member

7 Helen Street

Plattsburgh, NY 12901

518-563-1985

Wellman1985@charter.net

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: May 8, 2016

Discovery Meeting Attendance: Did Not Attend

Response pertains to Clinton, Essex, and Franklin Counties

Stream Study Requests (in priority order):

1. Ausable River corridor, East Branch Ausable River and headwater tributaries (outside of project area) were noted as needing a detailed restudy.

Other Stakeholders:

- Cris Smith and Madeleine Lyttle, U.S. Fish and Wildlife Service, Essex Junction, VT
- Carl Schwartz, U.S. Fish and Wildlife Service, Cortland
- Dr. John Braico, NYS Trout Unlimited
- John Rieger and Vic Putnam, GA RC&D
- Tim Mihuc, SUNY Plattsburgh
- Vermont's River Keeper at VT DEC
- Ausable River Association
- Boquet River Association
- Marc Migliore, Lance Durfey, Bill Schoch

GIS Users:

- N/A

Historical Flood Problems:

- Floods occurred in 1996, 1998, and 2011 (Irene) along the Ausable River corridor, East Branch Ausable River and headwater tributaries.
- There are verifiable high water marks in the area. However, no specific locations were provided.

Community Planning and Ongoing Projects:

- There have been numerous culvert replacements especially in Essex County. Points of contact include The Nature Conservancy in Keene; Dave Reckahn, Essex County Soil and Water Conservation District; U.S. Fish and Wildlife Service, Essex Junction, VT; and John Braico, NYS Trout Unlimited.
- Beth Gilles of Lake Champlain/Lake George Regional Planning Commission and Kevin Farrington, City of Plattsburgh Engineer may have information about open space planning.
- Both Clinton and Essex Counties have water quality coordinating committees. Fred Dunlap, NYSDEC LCBP is the point of contact.

Mitigation Activities:

- There were buyouts in Ausable Forks and Malone after 1996 flooding. More buyouts occurred in Keene, Keene Valley.

Training Needs:

- Training on the following topics would be helpful:
 - Floodplain Management Administration
 - Hazard Mitigation and Grant Programs
 - Mandatory First Responder Training

Available Data:

- Base Map Data
 - Political boundaries are available in GIS format.
 - Contact: Dr. Tim Mihuc, SUNY Plattsburgh
- Engineering Data
 - Local flood gage or rain gage data are available.
 - Contact: USGS, Troy, NY
 - Older USACE studies may be available

Lake Champlain Watershed

Other Participating Stakeholders:

Fred Dunlap, Lake Champlain Basin Coordinator
NYSDEC Region 5
1115 NYS Route 86
Box 296
Ray Brook, NY 12977
518-897-1241
fred.dunlap@dec.ny.gov

Historical Flood Problems:

The most recent severe flooding were the spring 2011 Lake Champlain flooding and the August 2011 Irene event that really whacked some of the river corridors. The spring flood exceeded the 100-year BFE for the lake by more than a foot and was extended over a considerable period of time (approx. a month). Wind driven waves exacerbated shoreline damages.

Mapping Needs:

We always have the need for better detailed maps. We still have a lot of communities working from the old converted flood hazard boundary maps and those, quite frankly, are hard to take seriously.

Training Needs:

I have to stress hammering home continuous education for local officials. I am amazed to drive through communities that were ravaged by Irene only to see new homes in places they shouldn't be. Many of our rural communities are only part time government and it's easy to understand the lapses in understanding of this program, until the next flood hits.

Other Information:

The Lake Champlain Basin Program has as one of its priorities a desire to protect and restore wetlands, floodplains, and reconnecting floodplains to their rivers. We see this as paying dividends in both improving our resiliency and serving as phosphorus retaining sinks to help with our phosphorus loading reduction goals for Lake Champlain.

Available Data/Reports:

The Lake Champlain Basin Program published a flood report in 2013. The International Joint Commission (IJC) was commissioned to investigate the flooding on Lake Champlain and the outlet Richelieu River. Two reports have come out of that so far, a Plan of Study in 2013 which was more a report on recommendations and needs for further study and data needs, and then in 2015 the IJC presented a report that delved into just a couple of the recommendations from the 2013 report. Some of the recommendations have included incorporating wind/wave impacts. As a starting point, 2 new USGS lake gauges have been installed; one just off South Hero Island on the Vermont side and one at Port Henry in NY to try and start gathering more data on the effects of fetch across this relatively open section of the lake. (Copies of these reports provided)

USGS released a report on flood inundation mapping for Lake Champlain in Vermont, including northern Clinton County in NY. This was prepared in conjunction with the IJC and is a piece of the recommendations that came out of the IJC Plan of Study report. Only a piece of NY was done in this exercise due to limited availability of LiDAR in NY at the time. Link to report:

<https://pubs.er.usgs.gov/publication/sir20165060>

USGS also published an Assessment of 2011 Lake Champlain Flooding along with appendices of established high water marks from that flood. It is linked here:
<http://pubs.usgs.gov/sir/2014/5163/>

The following communities adjacent to the Lake Champlain Watershed provided input as part of this Discovery project but are not located in the Lake Champlain Watershed Discovery project area.

Town of Hartford, Washington County CID# 361234

Pre- Discovery Webinar Attendance: Did not attend

Discovery Stakeholder Survey Completed: June 9, 2016

Discovery Meeting Attendance: June 9, 2016

Community Representative(s):

Mark Miller, Code Enforcement Officer

Town of Hartford

518-796-0103

sgpegii@aol.com

Town of Hartford Stream Study Requests (in priority order):

1. Big Creek is in need of a new detailed study. The confluence with its tributary floods and there is development in the area. There is a new flooding pattern and a school is nearby.
2. Tributary to Big Creek is in need of a new detailed study. The confluence floods and there is development in the area. There is a new flooding pattern and a school is nearby.

Other Stakeholders:

- N/A

GIS Users:

- N/A

Historical Flood Problems:

- No flooding problems were noted.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are no recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update.
- There is no recent or planned development in the community.
- There is a piped stream that runs through the village from Christian Hill through the other side of the village. Greg Brown, the Highway Superintendent is the point of contact.
- While the town has a master plan, it does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town representative did not know about any mitigation planning activities.
- Culvert replacements were mentioned as a mitigation activity.

Training Needs:

- Training on Floodplain Management Administration would be helpful to the town.

National Flood Insurance Program/Floodplain Management Information:

- There are no LOMC clusters in the town.

- The town is not familiar with the CRS program and does not want more information about it.
- The town does not have an active floodplain development permit process. They are currently developing their process and the Code Officer will be the point of contact.

Available Data:

- Base Map Data
 - Political boundaries are not available.
 - Transportation features are available in hard copy format.
 - Point of contact: Washington County
 - Parcel and zoning data are available in hard copy format.
 - Point of contact: Washington County
 - Building footprint data are not available.
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are not available.
 - Local survey data are not available.
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are not available.
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - N/A
- Other
 - The Lily Pond Dam in the town is in poor condition.

Town of Argyle, Washington County CID# 361222
Pre- Discovery Webinar Attendance: Did not attend
Discovery Stakeholder Survey Completed: May 6, 2016
Discovery Meeting Attendance: Did not attend

Community Representative(s):

Robert Henke, Town Supervisor
Town of Argyle
P.O. Box 38
Argyle, NY
518-638-8681
argylesupervisor@hotmail.com

Town of Argyle Stream Study Requests (in priority order):

1. The effective FIRM scale makes it impossible to pinpoint boundaries in most areas.

Other Stakeholders:

- N/A

GIS Users:

- Laura Chadwick, Director, Washington County Real Property

Historical Flood Problems:

- No flooding problems were noted.
- There are no verifiable high water marks in the town.

Community Planning and Ongoing Projects:

- There are no recent, ongoing, or proposed private/public projects, including bridge/culvert replacements, since the last FIRM update.
- There is no recent or planned development in the community.
- There are no piped or naturally occurring underground streams in the community.
- The town does not have an open space plan.
- The town does not have or participate in a watershed management plan.

Mitigation Activities:

- The town participates in the county hazard mitigation plan.
- No mitigation activities were noted.

Training Needs:

- No training needs were noted.

National Flood Insurance Program/Floodplain Management Information:

- No LOMC clusters in the town were identified.
- The town is not familiar with the CRS program and would like more information about it.
- The town has an active floodplain development permit process. The Town Supervisor is the point of contact.

Available Data:

- Base Map Data
 - Political boundaries are available in GIS format.

- Laura Chadwick, Director, Washington County Real Property
 - Transportation features are available in GIS format.
 - Laura Chadwick, Director, Washington County Real Property
 - Parcel and zoning data are available in GIS format.
 - Laura Chadwick, Director, Washington County Real Property
 - Building footprint data are available in GIS and hard copy format.
 - Laura Chadwick, Director, Washington County Real Property
- Engineering Data
 - Locations of flood control structures are not available.
 - Locations of dams are available in GIS format (not an all-inclusive dataset).
 - Laura Chadwick, Director, Washington County Real Property
 - Local survey data are available in GIS format
 - Laura Chadwick, Director, Washington County Real Property
 - Local flood gage or rain gage data are not available.
 - There are no available flood hazard studies for public/private funded projects in the town.
- Risk Assessment Data
 - Essential/critical facilities data are available in GIS format.
 - Laura Chadwick, Director, Washington County Real Property
 - Hazard mapping data (e.g. dam break inundation maps, chemical depots, sink holes, etc.) are not available.
 - Historical flood inundation areas are not available.

Additional Comments:

- From Scoping Maps
 - N/A
- Other
 - N/A