

JURISDICTIONAL ANNEX 1.2.19: TOWN OF SAUGERTIES

Please fill in the contact details for the person filling in this page:	
Name:	Vernon Benjamin
Title:	Special Operations Coordinator
Representing:	Saugerties, Town of
Email:	verniamin@saugerties.ny.us
Phone:	845-901-2903

Local Jurisdiction Role/Position	Name	Email	Phone	Date Notified About Mitigation Plan Development Process	Agreed to participate? (Yes/No)
Land Use/ Community Planner	Alvah L. Weeks Jr,	aweeks@saugerties.ny.us	845-246-2800 Ext. 332	11/21/2013	Yes
Emergency Manager	Randy Ricks	rsrchief19@hvc.rr.com	845-399-0191	12/2/2014	Yes
Floodplain Manager/ Floodplain Administrator	Alvah L. Weeks Jr,	aweeks@saugerties.ny.us	845-246-2800 Ext. 332	12/2/2014	Yes
Public Works Director / City Engineer	Doug Myer	dmyer@saugerties.ny.us	845-246-2400	11/21/2013	Yes
Building Code Official	Alvah L. Weeks Jr,	aweeks@saugerties.ny.us	845-246-2800 Ext. 332	11/21/2013	Yes
Fiscal/Budget Officer	Greg Helsmoortel	ghelsmoortel@saugerties.ny.us	845-246-2800 Ext. 347	2/10/2014	Yes
Manager/Administrator	Greg Helsmoortel	ghelsmoortel@saugerties.ny.us	845-246-2800 Ext. 347	2/10/2014	Yes
Elected Officials	Greg Helsmoortel	ghelsmoortel@saugerties.ny.us	845-246-2800 Ext. 347	2/10/2014	Yes
Other 1: Police Chief	Joseph Sinagra	jsinagra@police.saugerties.ny.us	845-206-1309	11/21/2013	Yes
Supt. Pks & Recreation Administrator	Greg Chorvas	gchorvas@saugerties.ny.us	845-399-0215	11/21/2013	Yes
	Vernon Benjamin	verniamin@saugerties.ny.us	845-901-2903	11/23/2013	Yes

Please fill in the contact details for the person filling in this page:		WORKSHEET 1
Name:	Vernon Benjamin	
Title:	Special Projects Coordinator	
Representing:	Saugerties, Town of	
Email:	verniamin@saugerties.ny.us	
Phone:	845-246-2800 Ext 306	

Local Jurisdiction Role/Position	Name	Email	Phone	Date Notified About Mitigation Plan Development Process	Agreed to participate? (Yes/No)
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Fiscal/Budget Officer	Greg Helsmoortel	ghelsmoortel@saugerties.ny.us	845-246-2800 Ext. 347	2/10/2104	Yes
Manager/Administrator	Greg Helsmoortel	ghelsmoortel@saugerties.ny.us	845-246-2800 Ext. 347	2/10/2104	Yes
Elected Officials	Greg Helsmoortel	ghelsmoortel@saugerties.ny.us	845-246-2800 Ext. 347	2/10/2014	Yes
Other 1: Police Chief	Joseph Sinagra	jisinagra@police.saugerties.ny.us	845-206-1309	11/21/2013	Yes
Other 2: Supt. Pks & Bldgs	Greg Chorvas	gchorvas@saugerties.ny.us	845-399-0215	11/21/2013	Yes
Other 3:					



Name: ALVAH WELLS Title: Floodplain Manager/Floodplain Administrator/NFIP Coordinator
 Representing: Town of SAUGERTIES Email and Phone: awells@saugerties.ny.us 845 296 2822
EXT 332

Ulster County Multi-Jurisdictional Hazard Mitigation Plan Update - Worksheet #2 1/72

Note: This form should be filled out by your floodplain administrator. All communities participating in the National Flood Insurance Program (NFIP) provided FEMA with a floodplain management ordinance and a designated floodplain administrator as a prerequisite to enter the program. All communities are listed in FEMA's Community Status Book of participating communities (08/15/13).

Adoption Date of your Current Floodplain Management Ordinance	Date of Entry into NFIP	Position or Title of Your Jurisdiction's Designated Floodplain Manager/Administrator (may also be called NFIP Coordinator)	Is this person is a Certified Floodplain Manager?	Is floodplain management an auxiliary function?	Is your community in good standing with the NFIP?
2/13/1991	5-31-1974	Town Building Inspector	[] Yes [x] No	[] Yes [x] No	[x] Yes [] No
Provide an explanation of NFIP administration services (i.e., permit review, GIS, education or outreach, inspections, engineering capability, etc.):					
<i>Inspections, permit review, limited GIS capabilities</i>					
Describe barriers to running an effective NFIP program in the community (if applicable):					
<u>Inaccurate flood maps (forms)</u>					
When was most recent FEMA Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?*	Is a CAV or CAC scheduled or needed?	Does the current floodplain management ordinance exceed FEMA or State minimum requirements? If so, describe how.	Is training of staff regarding NFIP issues planned?	Does your community intend to continue to enforce the floodplain management requirements including regulating new construction in Special Flood Hazard Areas (SFHAs)?	Does your community participate in the CRS? If so, state your Class.
10/11/2011	[] Yes [x] No	[] Yes [x] No	[x] Yes [] No	[x] Yes [] No	[] Yes [x] No
*Describe any outstanding compliance issues (i.e., current violations):					
<i>None known</i>					



Name: ALVAH WETTS Title: Floodplain Manager/Floodplain Administrator/NFIP Coordinator
Representing: Town of Sangerette's Email and Phone: awetts@Sangerette.ny.us 8452462800 x1332

Provide an explanation of your local floodplain permitting process:
A determination of the zone is made; elevation certificates pre- and post-construction are required; the permitting process proceeds in conformance with both the local floodplain development law and the state building code; no development is allowed in the regulated floodway

Does your community intend to continue floodplain identification and mapping services including any local requests for map updates?	Does your community intend to initiate/continue the buyouts of repetitive loss properties?	Does your community intend to staff or resources to improve local mapping or code administration in the future?	Does your community intend to provide local outreach to promote the sale of flood insurance?	Does your community intend to participate in RiskMAP meetings and planning initiatives?	Does your community intend to continue to implement structural improvements to mitigate against flooding - culverts, drainage basins, etc.?	Does your community intend to continue to implement home improvement programs designed to minimize basement flooding?	Does your community intend to continue to implement roadway improvements to reduce damage from future flooding events?	Does your community intend to implement plans and programs in coordination with a local or regional drainage/sewer authority?
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does your community intend to adopt the new FEMA Advisory Base Flood Elevations?	As Floodplain Manager, did you (or your predecessor at the time) actively participate in the development of the initial Hazard Mitigation Plan?	As Floodplain Manager, are you actively participating in the development of this Hazard Mitigation Plan Update?	Have there been any changes to your community's local floodplain management program since the last version of the plan in 2009?					
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No				
* If you answered "yes", that there have been changes to your local program since 2009, please describe:								
Provide a description of your community assistance and monitoring activities:								
Sangerettes makes the flood plain FIRM maps available, and has GIS capability to assist property owners								
NFIP participating communities are required to update/revise their floodplain management ordinance to ensure that it complies with the latest FEMA regulations. Will your community continue to commit to this program requirement?								
<input type="checkbox"/> Yes <input type="checkbox"/> No								

Note: NFIP policy statistics by community are maintained at: <http://bsa.nfipstat.fema.gov/reports/1011.htm#NJ>
NFIP claims data by community is maintained at: <http://bsa.nfipstat.fema.gov/reports/1040.htm#34>
Information about structures at risk of flooding can be found in Section 3 of the Hazard Mitigation Plan.
All NFIP participating communities should encourage local residents to purchase and maintain flood insurance.



Ulster County Multi-Jurisdictional Hazard Mitigation Plan Update
Worksheet #3

Performing an assessment of Land Uses and Development Trends is one step of a FEMA-approved hazard mitigation plan update. This look into the future is important because development in hazard areas could put more assets at risk and, in turn, could work to increase potential disaster-related damages at a time when the mitigation plan's purpose is to reduce the potential for damages emanating from natural disasters. Land uses and development trends are based on the construction of new buildings, demolition of old buildings, or the planning, zoning or subdivision of new areas for development. A stagnant or decreasing population alone is not reason for stating that no development has occurred unless backed up by a lack of development.

An evaluation of land uses and development trends was undertaken by each participating jurisdiction as part of the development of the initial plan. Excerpts from the 2009 Plan's Land Uses and Development Trends section are included in the pages to follow, documenting your community's prior feedback. Please review your community's feedback shown in the table on the pages to follow, and identify any changes that have occurred since that time. Feedback should be returned to URS Project Manager Anna Foley at anna.foley@urs.com. If you have questions or need help, please email Anna or give her a call at 973-883-8562.

Please check box A or B below.

- ☐ A) I certify that I have reviewed my community's feedback from the 2009 Land Uses and Development Trends assessment and that all information previously provided is still current. (If checking box A, then please return only this cover page.)
- ☒ B) I certify that I have reviewed my community's feedback from the 2009 Land Uses and Development Trends assessment and that any information that has changed since that time is clearly shown on the attached markup. Any supporting comments I would like to note are indicated in the lines below. (If checking box B, then please return this completed cover page and any pages with markups.)

New Flood maps are inadequate because no in-field verifications were done. Preparing base flood plain elevations requires grant funding to be accomplished.

Name: ALVAH WEEKS

Title: BUILDING INSPECTOR

Representing: Town of Saugerties

Email and Phone: aweeke@Saugerties.ny.us 845 246 2500 ext 332



Local Land Uses and Development Trends

For the initial Plan, Core Planning Group members were asked to provide responses to a Land Uses and Development Trends Questionnaire for the individual jurisdictions. This brief questionnaire consisted of the following two questions:

1. Please describe development trends occurring within your jurisdiction, such as the predominant types of development occurring, location, expected intensity, and pace by land use. While details are preferred, it is ok if your feedback is qualitative and quite general, such as "*high-occupancy, high-density residential development is occurring near the waterfront*".
2. Does your jurisdiction enforce regulations/ordinances/codes to protect new development from the effects of natural hazards? (Some examples might be floodplain management ordinances enforcing FEMA's NFIP for new development or substantial improvements in the floodplain; steep slope ordinances for community's which may have landslide hazards; earthquake resistant design criteria and/or high wind design criteria; or buffer zones in wildfire hazard areas.) If so, please describe.

Responses to these two questions, as submitted by each jurisdiction, are presented in the following table (as copied directly from the 2009 Approved Plan).

1. High density residential development has lessened in recent years, the number of permits issued has diminished, and the predominant type of development has been detached single-family residential, many close to waterways; these require review by the Planning Board that includes a stormwater review component

2. Saugerties does enforce the regulation of new growth from the effects of natural hazards, including enforcement of FEMA's NFIP for new development or substantial changes in the floodplain, steep slope review for landslide hazard potential, earthquake resistant design criteria and high wind design criteria. Saugerties does not currently enforce for buffer zones in wildfire hazard areas because none have been identified. The town has found that the old flood maps are better than the new (2009) ones because the new ones have no in-field verifications. No base flood plain elevations have been established—grant monies will be needed to accomplish that in the town of Saugerties.



Ulster County Multi-Jurisdictional Hazard Mitigation Plan Update

Worksheet #4

Performing a Capability Assessment is one step of a FEMA-approved hazard mitigation plan update. A mitigation planning Capability Assessment consists of taking an in-depth look at community mechanisms (such as plans, codes, ordinances, staffing, etc.) that can affect hazard mitigation activities. Performing the Capability Assessment helps communities identify the regulatory, administrative, technical, and fiscal capacities and capabilities of their jurisdiction and consider ways that these tools can be used to further hazard mitigation and disaster resiliency goals. Capability Assessments were undertaken by each participating jurisdiction as part of the development of the initial plan. Excerpts from the 2009 Plan's Capability Assessment section are included in the pages to follow, documenting your community's prior feedback.

First, review your community's feedback shown in the three tables attached, and clearly provide markups to identify any changes that have occurred since that time. Also, complete the highlighted columns which have been added since the plan was last prepared. Check box A or B. (Note: *Municipalities whose rows are blank did not submit responses in 2009, and must do so now.*)

A) I certify that I have reviewed my community's feedback from the 2009 Capability Assessment and that all information previously provided is still current. *I have also completed new columns, as highlighted in yellow.*

X B) I certify that I have reviewed my community's feedback from the 2009 Capability Assessment and that I have updated any information that has changed since that time (as shown on the attached markup). Any supporting comments I would like to note are indicated in the lines below. *I have also completed new columns, as highlighted in yellow.*

Communities only submit checkmarks, no other info: our submittal presumes that those not checked off are ones in which the town does not have the specified information called for. I have reviewed the yellow columns and checked off those in which we are prepared; no information is given on any other responses that might be appropriate, i.e. "no" or partial fulfillment, so I used asterisks to explain our capability better in some cases. Other boxes in which responses are requested are ones in which we are not sure how to respond. For instance, like all municipalities we have debt incurrence and bonding capabilities, but that does not mean that we have utilized tools like that, or are likely to, in hazard mitigation events. We do not understand the need for questions of this nature, since all municipalities presumably have these capabilities.

Then, review and answer the supplemental questions on the last page, and check box C.

X C) I have completed responses to the supplemental questions on Page 6.

Completed worksheets should be returned to URS Project Manager Anna Foley at anna.foley@urs.com. If you have questions or need help, please email Anna or give her a call at 973-883-8562.

Name: Vernon Benjamin
Title: Special Operations Coordinator
Representing: Town of Saugerties
Email and Phone: vernjamin@saugerties.ny.us; 845-901-2903

Legal and Regulatory Capability

Table 4-1
Legal and Regulatory Capability Inventory

Jurisdiction	Building Code	Zoning Ordinance	Subdivision Ordinance	Special Purposes Ordinance	Growth Management Ordinance	Site Plan Review Requirements	Comprehensive Plan	Capital Improvements Plan	Economic Development Plan	Emergency Response Plan	Post-Disaster Recovery Plan	Post-Disaster Recovery Ordinance	Real Estate Disclosure Ordinance	Evacuation Plan
Ulster County							✓	✓	✓	✓				
Denning, Town of														
Ellenville, Village of														
Esopus, Town of														
Gardiner, Town of	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Hardenburgh, Town of														
Hurley, Town of	✓	✓	✓	✓		✓	✓			✓	✓			
Kingston, City of	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓			
Kingston, Town of	✓	✓	✓	✓		✓								
Lloyd, Town of	✓	✓	✓	✓	✓	✓	✓			✓				
Marbletown, Town of														
Marlborough, Town of	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
New Paltz, Town of														
New Paltz, Village of	✓	✓	✓			✓	✓			✓				
Olive, Town of														
Plattekill, Town of	✓	✓	✓			✓	✓							
Rochester, Town of														
Rosendale, Town of														
Saugerties, Town of	✓	✓		*	*	✓	✓		✓	✓				
Saugerties, Village of														
Shandaken, Town of	✓	✓	✓	✓		✓	✓			✓				
Shawangunk, Town of														
Ulster, Town of	✓	✓	✓	✓		✓	✓			✓				
Wawarsing, Town of														
Woodstock, Town of														

* *Open Space Plan*

Administrative and Technical Capacity

Table 4-2 Administrative and Technical Capability Inventory														
Jurisdiction	Planner(s) with knowledge of land development and management practices	Engineer(s) with knowledge of land development and management practices	Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Planner(s) or Engineer(s) with an understanding of natural and/or human caused hazards	Floodplain manager	Surveyors	Staff with education or expertise to assess the community's vulnerability to hazards	Personnel skilled in GIS and/or HAZUS	Scientists familiar with the hazards of the community	Emergency Manager	Grant writers	Code Enforcement Official	Public Works or Highway Superintendent	Emergency Management Coordinator
Ulster County			✓	✓		✓	✓	✓		✓	✓			Emergency Management Coordinator
Denning, Town of														
Ellenville, Village of														
Esopus, Town of														
Gardiner, Town of			✓	✓	✓		✓			✓	✓			
Hardenburgh, Town of														
Hurley, Town of			✓	✓										
Kingston, City of			✓	✓	✓		✓			✓	✓			
Kingston, Town of			✓		✓			✓		✓	✓			
Lloyd, Town of				✓	✓		✓	✓						
Marbletown, Town of														
Marlborough, Town of			✓	✓	✓	✓	✓	✓		✓	✓			
New Paltz, Town of														
New Paltz, Village of			✓	✓	✓	✓	✓			✓	✓			
Olive, Town of														
Plattekill, Town of														
Rochester, Town of														
Rosendale, Town of														
Saugerties, Town of	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓

Table 4-2 Administrative and Technical Capability Inventory														
Jurisdiction	Planner(s) with knowledge of land development and management practices	Engineer(s) with knowledge of land development and management practices	Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Planner(s) or Engineer(s) with an understanding of natural and/or human caused hazards	Floodplain manager	Surveyors	Staff with education or expertise to assess the community's vulnerability to hazards	Personnel skilled in GIS and/or HAZUS	Scientists familiar with the hazards of the community	Emergency Manager	Grant writers	Code Enforcement Official	Public Works or Highway Superintendent	Emergency Management Coordinator
Saugerties, Village of														
Shandaken, Town of					✓						✓	✓	✓	
Shawangunk, Town of											✓			
Ulster, Town of			✓	✓	✓	✓		✓		✓				
Wawarsing, Town of														
Woodstock, Town of														

Fiscal Capability

**Table 4-3
Fiscal Capability Inventory**

Jurisdiction	Community Development Block Grants (CDBG)	Capital Improvements Project Funding	Authority to Levy Taxes for Specific Purposes	Fees for Water, Sewer, Gas, or Electric Service	Impact Fees for Homebuyers or Developers for New Developments/Homes	Incur Debt through General Obligation Funds	Incur Debt through Special Tax and Revenue Bonds	Incur Debt through Private Activity Bonds	Withhold Spending in Hazard-Prone Areas	Other (i.e., coastal, sustainability, or climate change initiatives; or Brownfield funds)
Ulster County	√	√				√	√			
Denning, Town of										
Ellenville, Village of										
Esopus, Town of										
Gardiner, Town of		√	√	√		√			√	
Hardenburgh, Town of										
Hurley, Town of			√			√	√	√		
Kingston, City of	√	√	√	√	√	√				
Kingston, Town of	√	√	√	√		√	√			
Lloyd, Town of			√	√	√	√	√		√	
Marbletown, Town of										
Marlborough, Town of	√	√	√	√	√	√	√			
New Paltz, Town of										
New Paltz, Village of		√	√	√	√	√				
Olive, Town of										
Plattekill, Town of										
Rochester, Town of										
Rosendale, Town of										
Saugerties, Town of	*	**	√	√	√	√				***
Saugerties, Village of										
Shandaken, Town of				√						
Shawangunk, Town of										
Ulster, Town of	√	√	√	√		√	√			
Wawarsing, Town of										
Woodstock, Town of										

*** NY Rising**

**** Using FEMA, EPA, other state or federal funding support, for instance**

***** Using FEMA funding in one instance; lack of fiscal capability leaves Saugerties damaged in river parks shoreline damage and with continued vulnerability in the event of new storm events**

Municipality Town of Saugerties

Would you classify your community's <u>legal and regulatory</u> capability to implement hazard mitigation strategies as high, moderate, or low?	Would you classify your community's overall <u>technical</u> capability to implement hazard mitigation strategies as high, moderate, or low?	Would you classify your community's overall <u>fiscal</u> capability to implement hazard mitigation strategies as high, moderate, or low?	Would you classify your community's overall <u>administrative</u> capability to implement hazard mitigation strategies as high, moderate, or low?	Would you classify your political leadership's willingness to enact policies and programs that reduce hazard vulnerabilities in your community as high, moderate, or low - even if met with opposition? (i.e., guiding development away from identified hazard areas)?
Moderate	Moderate	Low	Low	Moderate
<p>Discuss ways of bridging identified gaps in your local capabilities to ensure that they are in-line with your mitigation actions and goals.</p> <ol style="list-style-type: none"> 1. Provide funding to participate in the Hazard Mitigation Plan and develop and enact the goals required. 2. Provide informational materials, logistical and legal support and funding to be used in floodplains and other hazard-prone areas. 3. Provide clearer guidelines and timelines on developing and implementing whatever is needed. 4. Describe support structures for localities being provided by county/state haz mit agencies. How do we fit in? 5. The questions above usually cannot be answered in single-word responses. For example, Saugerties has very good legal and regulatory and technical capabilities overall, but our capabilities in major disaster incidents are severely crimped by fiscal impediments; our fiscal capabilities are low generally and are not geared to handle hazard mitigation strategies; and our administrative capabilities are very good in action but not defined in a plan or other formal way for major hazard mitigation events. Our political leadership wants to do the right thing but often needs the support structure to make that happen, and that costs money. 				

WORKSHEET 5 - STATUS OF PAST PROJECTS

Jurisdiction	Mitigation Action	Previous Priority	Hazard(s) Addressed	Responsible Party/Parties to Implement	Status - Check One				Status Details	Relevance - Check One		Relevance Details	
					Completed					Still Relevant - Carry Forward to Updated Mitigation Strategy	No Longer Relevant - Omit from Updated Mitigation Strategy		
					Initiated but Not Completed	Ongoing Type of Activity	Not Initiated						
Town of Saugerties	Major storm events of 2011-2012 and FEMA support led to one bridge replacement (Kate Yaeger Rd), stream management work (Drummond Falls), culvert size expansion (Manorville, Kaatsbaan), and initiation of NY Rising program												
Town of Saugerties	Create Emergency Operations Plan with Village to conform with Comprehensive Plan	Medium	All hazard	Town Board				x	Goal 15 of the comprehensive plan recommends preparation of a coordinated Emergency Operations Plan with Village, which has not been initiated; updating will enable this to proceed	x		Coordination begun with appointment of core group representatives; initiated process through appropriate departments	
Town of Saugerties	Continue to address culverts and potential flood issues along town highways	Medium	All hazard	Highways				x	Implementation of NY Rising program led to several culvert projects, including ones to protect reservoir area	x		Continuing work on Cottontail Rd, Platte Clove Rd., and in Blue Mountain Reservoir vicinity	
Town of Saugerties	4.D. Continue to implement best management practices for floodplain areas.	High	Flooding	Bldg Insp				x	Building Inspector routinely incorporates flood area information in local planning/building initiatives		x	Incorporated in town practices	
Town of Saugerties	Eliminate or reduce problems with cul-de-sacs in developments with drainage improvements	Medium	Flooding	Highways				x	Annual resources allow limited attention to cleanout of debris that pose potential flood problems	x		Barclay Heights area to be targeted	
Town of Saugerties	Flooding potential for Rt. 9W in Glenerie	Medium	Flooding	State DOT				x	Rt. 9W is a major evacuation route for the town of Saugerties; proximity of Esopus Creek in Glenerie area poses potential flood area		x	State issue	
Town of Saugerties	Designate more protected wetland areas	Low	Ice jams / Flooding	Town Board				x	Difficult political issues related to local wetlands designations; should be state-related		x	State-related (wetlands)	



Ulster County Multi-Jurisdictional Hazard Mitigation Plan Update

Worksheet #6

For a community to succeed in reducing risk in the long term, the information and recommendations of the hazard mitigation plan must be integrated into day-to-day local government operations. Throughout the planning process, partnerships are formed between departments and agencies, and sustained actions between these partners will increase the community's resilience to disasters. "Plan integration" can be thought of as the process whereby each local government will incorporate the mitigation plan findings and projects into other planning mechanisms (governance structures that are used to manage local land use development and community decision making).

For this Plan Update, FEMA requires:

- a summary of each jurisdiction's past progress in plan integration over the last planning cycle; and
- a description of plan integration activities that each jurisdiction expects to undertake over the course of the next planning cycle.

This worksheet has been set up, therefore, into two components with each portion focusing on one of the bullets above.

- Demonstration of Progress over the Last Planning Cycle – In the first component of this worksheet (shaded in blue), we have reiterated the targeted plan integration activities that were included in the last version of the plan (Section 9, beginning on Page 9-4) in a tabular form, and are asking each community to describe their respective accomplishments since the plan was adopted five years ago.
- Targeted Plan Integration Activities for the Next Planning Cycle – Similarly, in the second component of this worksheet (shaded in yellow), we have outlined a series of plan integration activities for the next five-year planning cycle. Please document to FEMA the manner in which your community will commit to integrate the hazard mitigation plan into your local government operations from this point forward.

Where integration activities are carried out by another jurisdiction through an intergovernmental agreement or by another layer of government (such as the county), please include a note on the bottom of this form and reference the section number on this form that the note is referring too.

Feedback should be returned to URS Project Manager Anna Foley at anna.foley@urs.com. If you have questions or need help, please email Anna or give her a call at 973-883-8562.

Name: **Vernon Benjamin**

Title: **Special Operations Coordinator**

Representing: **Town of Saugerties**

Email and Phone: **vernjamin@msn.com; 845-901-2903**

DEMONSTRATION OF PAST PROGRESS OVER THE LAST PLANNING CYCLE

Please check all activities that your municipality has undertaken over the last five years.

1. Check here if you (or your predecessor on the CPG) issued a letter to each of your community's department heads to solicit their support and explore opportunities for integrating hazard mitigation planning objectives into their daily activities?	
2. A. Check here if you (or your predecessor on the CPG) worked with your planning department to educate them on the Hazard Mitigation Plan and encourage that on the next update of your master plan, general or comprehensive plan, hazard mitigation for natural hazards is addressed. Please describe your coordination efforts in the space below.	
B. Check here if your municipality does not have a master, general, or comprehensive plan.	
C. Check here if your master, general or comprehensive was updated since 2009.	✓
D. If you checked box 2C, please check here if natural hazard risk/mitigation was incorporated into the updated document, and describe how in the space below.	
In the September 2013 update of the Town Comprehensive Plan, Goal 15 recommended that a coordinated Emergency Operations Plan be prepared for the Town and Village of Saugerties to enable local leaders to take immediate action to protect the community. That process should "ensure" that "actions are taken to protect people and property arising from threats to safety and security due to: natural disasters, accidents, and other dangerous events."	
E. If you checked box 2C, please check here if a specific hazard mitigation element was added to the document, and describe in the space below.	
3. Check here if you (or your predecessor on the CPG) coordinated with your building department to ensure that they have adopted and are enforcing the minimum standards established in the current State-adopted IBC. Please describe your coordination efforts in the space below.	✓
The Building Department is enforcing the minimum standards stabled in the current State-adopted IBC.	

<p>4. A. If your community participates in the NFIP and was only enforcing minimum requirements at the time of the first plan's adoption, check here if you (or your predecessor on the CPG) coordinated with your Floodplain Administrator to determine if enforcement beyond FEMA minimum requirements would be prudent for your community. Please describe your coordination efforts in the space below.</p> <p>Due to the limited information that FEMA-recommended elevation readings provide, the Floodplain Administrator requires, when appropriate, elevation certifications from private qualified engineers.</p>	<p>✓</p>
<p>B. Check here if your community was already enforcing regulations beyond FEMA minimum requirements.</p> <p>C. Briefly explain here what is currently being enforced beyond FEMA minimum requirements.</p>	
<p>Elevation certifications are required from private qualified engineers to ensure correct data, which is often not available when FEMA-recommended elevation readings are used.</p>	
<p>D. Check here if your community has maintained its participation in the NFIP's Community Rating System (CRS).</p>	
<p>E. Check here if your community has joined the CRS since 2009.</p>	
<p>F. Check here if your community has dropped out of the CRS since 2009.</p>	
<p>5. A. Check here if your community has a local zoning ordinance.</p> <p>B. Check here if you (or your predecessor on the CPG) worked with your local zoning board to educate them on the Hazard Mitigation Plan and encourage consideration of low occupancy, low-density zoning in hazard areas, when practicable. Please describe your coordination efforts in the space below.</p>	<p>✓</p>
<p>6. A. Check here if any job descriptions were revised to include mitigation-related duties to further institutionalize mitigation.</p> <p>B. If so, describe.</p>	
<p>7. A. Check here if capital or operating budgets were revised to include a line item for mitigation project funding.</p> <p>B. Check here if capital or operating budgets already included this when the plan was first adopted.</p>	
<p>8. A. Check here if your Department of Public Works has adopted more rigorous procedures for inspecting and cleaning debris from streams and ditches (i.e., more frequently).</p>	
<p>B. If so, describe. The Town Highway Department has always been vigorous in inspecting town highway needs and following through with annual projects to maintain and keep up with those needs; however, stream debris cleaning has not generally been performed because of NYSDEC restrictions.</p>	

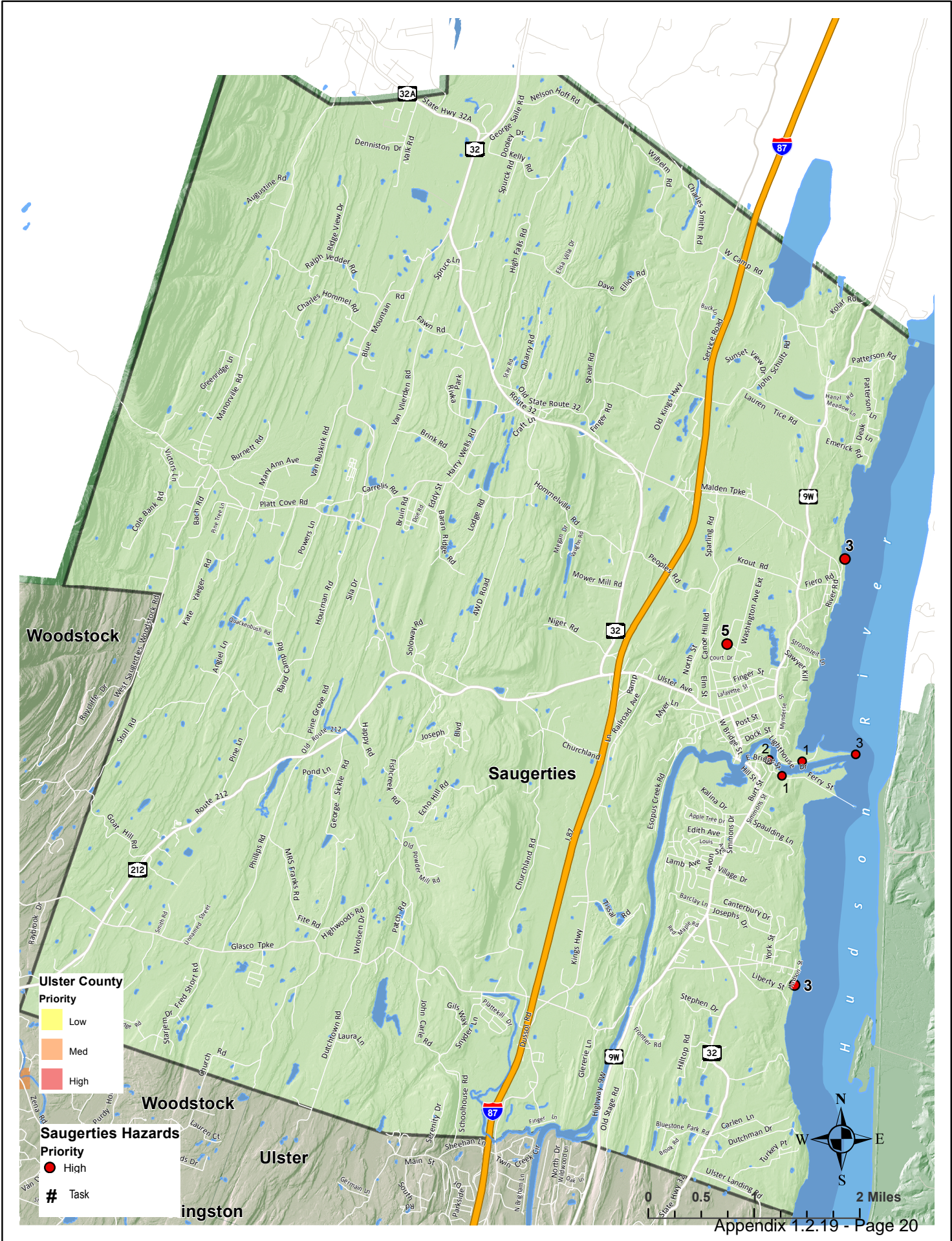
9.	A. Check here if your Planning Department has added hazard vulnerability to subdivision and site plan review criteria. B. If so, describe.	
10.	(NOTE: A response to #10 is only required for UCECEM; all municipalities, please leave blank) Check here if UCECEM sought to identify a community conservation society or other interested voluntary organization to perform inventories of historic sites in hazard areas that might require special treatment to protect them from specific hazards. B. If so, describe.	
11.	Check here if your community has reached out to partner groups in the community (i.e., nonprofit organizations, businesses, etc.) to identify those who may be willing to donate goods or services and create a database of contact information and indicated goods/services. B. If so, describe.	
12.	Check here if your community has actively sought citizen volunteers to help implement mitigation programs and activities. B. If so, please describe. The abandonment of the Hudson Project concert by the UC Health Department in 2014 left several hundred cars stuck in clay fields and unable to leave; the Town solicited support from local farmers with tractors, who came and removed them all within one day; the farmers were paid for their efforts by the concert promoters.	✓
13.	A. (NOTE: A response to #13A is only required for UCECEM; all municipalities, please leave blank) Check here if a list was compiled of state agencies that can lend their time, expertise and funds to the implementation of hazard mitigation projects. B. (NOTE: A response to #13A is only required for UCECEM; all municipalities, please leave blank) Check here if assistance was provided to participating jurisdictions in reaching out to state agencies for support. C. If A or B was checked, please describe.	
14.	A. Check here if your community has reached out to colleges and universities for technical assistance with hazard mitigation activities. B. If so, please describe.	
15.	A. Check here if your community has met at least once with your local library staff members to discuss he mitigation plan so they are well-versed in its purpose and understand where to direct interested parties for more information, to provide feedback, or to become involved. B. If so, please describe.	

TARGETED PLAN INTEGRATION ACTIVITIES FOR THE NEXT PLANNING CYCLE

Please check all activities that your municipality is committing to undertake over the next five years.

1. CPG member will issue a letter to each department head to solicit their support and explore opportunities for further integration of hazard mitigation into the daily activities of the community as a whole.	
2. A. Incorporate hazard mitigation for natural hazards in the next update of your master, general or comprehensive plan.	
B. Add a specific hazard mitigation element to the next update of your master, general or comprehensive plan.	
3. Adopt and enforce the minimum building standards established in the current State-adopted IBC	✓
4. A. Maintain community participation in FEMA's National Flood Insurance Program.	✓
B. Enforce codes and standards beyond FEMA minimum requirements	
C. Join (or continue to maintain participation in) the NFIP's Community Rating System.	
5. Steer growth and development away from high risk locations by using the risk assessment from the hazard mitigation plan as a tool to monitor future updates of community land use plans, zoning and subdivision codes and the development review process.	
6. Modify work plans, policies or procedures to include hazard mitigation concepts/activities.	
7. Revise job descriptions to include mitigation-related duties to further institutionalize mitigation.	
8. Revise capital or operating budgets to include a line item for mitigation project funding.	
9. Issue directives to require departments/agencies in the community to carry out certain hazard mitigation activities.	
10. Require the Department of Public Works to inspect and clean debris from streams and ditches more frequently.	
11. Add hazard vulnerability to subdivision and site plan review criteria.	
12. Perform inventories of historic sites in hazard areas in your community to identify where special treatment may be needed to protect them from specific natural hazards.	
13. Reach out to state agencies for assistance with natural hazard mitigation activities.	✓
14. Reach out to colleges and universities for technical assistance with natural hazard mitigation activities.	
15. Adopt (or continue to enforce) a local stormwater management plan/ordinance.	✓
16. Protect life and property in high hazard areas by limiting densities of new development.	
17. Increase resilience by limiting the extension of public infrastructure in high hazard areas.	
18. Reduce the vulnerability of future development in high hazard areas by reviewing development regulations, and modifying where needed.	
19. Use the risk assessment to inform future updates of the community emergency operations plan, evacuation plan, and/or post disaster recovery plan.	
20. Implement hazard mitigation activities through existing plans and policies.	
21. Sponsor training on best practices for hazard mitigation for local government staff. (Note: this may be accomplished with other local governments.)	

Saugerties Hazard Mitigation Actions



Action Worksheet - Haz Mit Planning	
Your plan name	<i>Town of Saugerties Hazard Mitigation Plan</i>
Your community name	<i>Town of Saugerties</i>
Community action number	<i>Saugerties - #1</i>
Assessing the Risk	
Hazard(s) addressed	<i>Highway Dept annual preparations for flood events</i>
Risk finding	<i>Moderate to significant</i>
Describing the Action	
Action category	<i>Budget planning and routine maintenance</i>
Action type	<i>Inspect all culverts, pipes, catch basins and other highway needs to determine priorities for work in the new year</i>
Action description	<i>Physical inspection of town infrastructure</i>
Existing, future &/or NA	<i>NA</i>
Evaluating the Action	
Losses avoided (i.e., benefits)	<i>Better fiscal planning results from budget analysis needs; schedule ensures due diligence in tracking potential flood situations</i>
Cost estimate	<i>Depends on need each year and available budget allocations</i>
Cost effectiveness (i.e., benefit/cost)	<i>High when necessary changes/repairs can be made; low when funds prohibit comprehensive actions</i>
Technical	<i>Detailed and fully within Highway Department capabilities</i>
Political	<i>2% budget cap restrictions</i>
Legal	<i>NA</i>
Environmental	<i>Usually not significant</i>
Social	<i>NA</i>
Administrative capability	<i>High</i>
Local champion	<i>Highway Superintendent Doug Myers</i>
Other community objectives	<i>Protect neighborhoods; ensure town road maintenance needs; safety</i>
Implementing the Action	
Priority	<i>High</i>
Local planning mechanism	<i>None usually required for such upgrades/repairs</i>
Responsible party	<i>Town of Saugerties Highway Department</i>
Potential funding sources	<i>CHIPS; town taxpayers; NY RisingNY</i>
Time line	<i>Upcoming fiscal year</i>
Reporting on Progress	
Action progress status	<i>Ongoing</i>

Annual planning

The Town of Saugerties Highway Superintendent routinely includes planning and funding for mitigation of potential hazards in budget planning. This involves staff inspections of all local infrastructure under town highway authority and planning and undertaking usually routine maintenance activities to protect the infrastructure and extend its life.

Action Worksheet -- Stream Bank Restoration	
Your plan name	<i>Town of Saugerties Hazard Mitigation Plan</i>
Your community name	<i>Town of Saugerties</i>
Community action number	<i>Saugerties - #2</i>
Assessing the Risk	
Hazard(s) addressed	<i>Lower Esopus Creek flood mitigation</i>
Risk finding	<i>High water flows damage properties on Esopus Creek Road in Saugerties</i>
Describing the Action	
Action category	<i>NY Rising mitigation project</i>
Action type	<i>Complete planning process and review design recommendations on mitigating flood potential for Esopus Creek Road properties</i>
Action description	<i>Consultant report review and planning</i>
Existing, future &/or NA	<i>May result in permanent improvements to streamside properties; still under review</i>
Evaluating the Action	
Losses avoided (i.e., benefits)	<i>Property damage mitigation; preventing flood in streamside properties</i>
Cost estimate	<i>Design & engineering: \$100,000 est; construction \$1 million depending on specific property</i>
Cost effectiveness (i.e., benefit/cost)	<i>TBD; actual mitigation may be limited because the rise in sedimentation creates the likelihood that major improvements may not cure the problem, but specific and localized improvements will help to protect against flood impacts</i>
Technical	<i>Problems with high water levels generally prevent full mitigation solution recommendations; mitigations may be limited as a result</i>
Political	<i>Public support but town concerns over potential for easement requirements</i>
Legal	<i>Need for town to hold easements on properties improved</i>
Environmental	<i>Streambank stabilization to protect properties from major storm events</i>
Social	<i>Community neighborhood improvement; potential for increased recreational uses of Cantine Dam impoundment waters, which run by these properties</i>
Administrative capability	<i>High (NY Rising project)</i>
Local champion	<i>Town of Saugerties; local property owners supportive</i>
Other community objectives	<i>Limit impacts of major storm events on properties</i>
Implementing the Action	
Priority	<i>Medium to High</i>
Local planning mechanism	<i>Easements to manage improvements may be necessary; still under review</i>
Responsible party	<i>Town of Saugerties</i>
Potential funding sources	<i>NY Rising mitigation project</i>
Time line	<i>Two years</i>
Reporting on Progress	
Action progress status	<i>Town has received a report from consultant on impediments to progress caused by high water level of stream itself (resulting from increased sedimentation) and is currently weighing options on assisting homeowners when full mitigation may not be possible</i>

Action Worksheet: Malden Sewer Plant	
Your plan name	<i>Town of Saugerties Hazard Mitigation Plan</i>
Your community name	<i>Town of Saugerties</i>
Community action number	<i>Saugerties #3</i>
Assessing the Risk	
Hazard(s) addressed	<i>"Harden" Malden sewer plant against flood potential</i>
Risk finding	<i>Severe impacts of 2011-12 storms raised potential for flooding of Malden sewer plant in similar situations</i>
Describing the Action	
Action category	<i>Sewer Plant Operations Protection</i>
Action type	<i>Floodproofing</i>
Action description	<i>Install berm and new generator at Malden Sewer Plant</i>
Existing, future &/or NA	<i>Currently under design process</i>
Evaluating the Action	
Losses avoided (i.e., benefits)	<i>Ensure continued operation of Malden Sewer Plant without serious flooding occurring in major storm events.</i>
Cost estimate	<i>\$165,000 construction; \$68,273 engineering, bid preparations, advertising, etc.</i>
Cost effectiveness (i.e., benefit/cost)	<i>Very effective; will ensure continued operations of Malden sewer plant during major storm events</i>
Technical	<i>Technically feasible</i>
Political	<i>NA</i>
Legal	<i>No issues</i>
Environmental	<i>No adverse environmental effects; improves riverfront</i>
Social	<i>NA</i>
Administrative capability	<i>Town of Saugerties Water and Sewer Department; town supervisor oversight</i>
Local champion	<i>Superintendent Mark Resso</i>
Other community objectives	<i>Protect Hudson River shoreline in the town of Saugerties; prevent curtailment of essential services during major storm events</i>
Implementing the Action	
Priority	<i>High</i>
Local planning mechanism	<i>NA; administration of NY Rising process</i>
Responsible party	<i>Town of Saugerties</i>
Potential funding sources	<i>NY Rising</i>
Time line	<i>2016-17</i>
Action progress status	<i>Final design and compliance with MBE/WBE requirements underway; NY Rising review and final approval pending</i>

2015-17

Malden project consists of protecting the sewer plant by creating a berm and installing a new generator; project is currently in the design stage and expected to go before GOSR review for bids on construction to be let in late spring or early summer

Action Worksheet -- Wilhelm Road Culvert	
Your plan name	<i>Ulster County Multi-jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>Town of Saugerties</i>
Community action number	<i>Saugerties #4</i>
Assessing the Risk	
Hazard(s) addressed	<i>Flooding due to undersized culvert</i>
Risk finding	<i>Major; 2012 event resulted in closing off road to several homes</i>
Describing the Action	
Action category	<i>Culvert replacement</i>
Action type	<i>Replace undersized culvert on Wilhelm Road</i>
Action description	<i>A NY Rising project to replace an undersized culvert on Wilhelm Road with one appropriately sized, and make adjoining drainage improvements to the Beaverkill</i>
Existing, future &/or NA	<i>Will fully mitigate the problem</i>
Evaluating the Action	
Losses avoided (i.e., benefits)	<i>Flooding of highway; loss of access to homes during major storm events</i>
Cost estimate	<i>\$329,900</i>
Cost effectiveness (i.e., benefit/cost)	<i>High</i>
Technical	<i>Replacing an undersized culvert with an appropriately sized culvert on a town road crossing of a tributary stream</i>
Political	<i>None</i>
Legal	<i>Easements required</i>
Environmental	<i>No significant environmental consequences other than cessation of flooding during major storm events</i>
Social	<i>Well received by affected homes and neighborhood in general</i>
Administrative capability	<i>High</i>
Local champion	<i>Town Highway Superintendent Doug Myer</i>
Other community objectives	<i>Consistent with NY Rising funding objectives</i>
Implementing the Action	
Priority	<i>High</i>
Local planning mechanism	<i>Town Highway Department</i>
Responsible party	<i>Town of Saugerties</i>
Potential funding sources	<i>Ny Rising</i>
Time line	<i>2016-17</i>
Reporting on Progress	
Action progress status	<i>Project completed and fully funded by NY Rising; good job!</i>

2016-17

Project was approved under the NY Rising program, bids advertised and let, engineer and contractor designed, and project undertaken in the summer of 2016. Adjoining drainage issues associated with the Beaverkill at the entrance to the bridge were corrected, and the project completed except for final funding payments by December 2017.

Action Worksheet: Cottontail Road	
Your Plan Name	<i>Ulster County Multi-Jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>Town of Saugerties</i>
Community action number	<i>Saugerties #5</i>
Assessing the Risk	
Hazard(s) addressed	<i>Undersized culvert</i>
Risk finding	<i>Events in 2011-12 caused flooding on Glasco Turnpike at Cottontail Road that can only be mitigated by replacement of a town culvert</i>
Describing the Action	
Action category	<i>Planning and construction</i>
Action type	<i>Replacement of culvert -- Cottontail Road</i>
Action description	<i>The Cottontail Road project was included in the NY Rising funding because the culvert provides access to a mobile home park and other homes off and near Glasco Turnpike. The project was designed and is currently in the contractor bidding stage.</i>
Existing, future &/or N/A	<i>Bid award; construction; final approval</i>
Evaluating the Action	
Losses avoided (i.e., benefits)	<i>The culvert's failure in the 2012 storm events isolated a large population, necessitating this replacement project.</i>
Cost estimate	<i>\$112,000</i>
Cost effectiveness (i.e., benefit/cost)	<i>Very effective when completed; will eliminated flood hazard in this area of the town's transportation network</i>
Technical	<i>Some design issues but generally none that prevent completion of the project</i>
Political	<i>None</i>
Legal	<i>Easement being developed with LLC for mobile home park</i>
Environmental	<i>None noted</i>
Social	<i>None; will relieve residents of fear of isolation during major storm events</i>
Administrative capability	<i>High; Town of Saugerties and NY Rising</i>
Local champion	<i>Town of Saugerties Highway Department</i>
Other community objectives	<i>Also protects Glasco Turnpike, a major county road in the Town of Saugerties</i>
Implementing the Action	
Priority	<i>High</i>
Local planning mechanism	<i>NY Rising project</i>
Responsible party	<i>Town of Saugerties</i>
Potential funding sources	<i>NY Rising project</i>
Time line	<i>2015-17</i>
Reporting on Progress	
Action progress status	<i>Design was completed and bids advertised, to be opened in late April 2017; final easement being worked out with local property owner; amendment to GOSR funding approved; bid, once received, will be reviewed by GOSR for final approval before construction</i>

Action Worksheet: Platte Clove Culvert

Plan Name	<i>Ulster County Multi-Jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>Town of Saugerties</i>
Community action number	<i>Saugerties #6</i>
Assessing the Risk	
Hazard(s) addressed	<i>Flooding</i>
Risk finding	<i>Failing culvert: events in 2011-12 caused severe flooding of Platte Clove Road resulting from a deteriorated culvert in need of replacement.</i>
Describing the Action	
Action category	<i>Planning and construction</i>
Action type	<i>Replacement of culvert -- Platte Clove Road</i>
Action description	<i>Platte Clove was included in the NY Rising funding initiatives. The project involves the replacement of a large culvert that has become deteriorated over time. The culvert crosses a minor tributary to Plattekill Creek that, because of the deterioration, poses a flood hazard is major storm events.</i>
Existing, future &/or N/A	<i>Design to be finalized and bids awarded; construction expected to be underway in 2017</i>
Evaluating the Action	
Losses avoided (i.e., benefits)	<i>Loss of access to homes west of the culvert/bridge and to the Catskill Mountains via Platte Clove Road</i>
Cost estimate	<i>\$600,000</i>
Cost effectiveness (i.e., benefit/cost)	<i>Will eliminate flood hazard once completed</i>
Technical	<i>Serious design issues due to depth of culvert infrastructure from roadway and need to replace culvert</i>
Political	<i>None</i>
Legal	<i>None</i>
Environmental	<i>None noted</i>
Social	<i>None; will relieve residents of fear of isolation during major storm events</i>
Administrative capability	<i>High; Town of Saugerties and NY Rising</i>
Local champion	<i>Town of Saugerties Highway Department</i>
Other community objectives	<i>Ensures access to Town of Hunter and Catskill Mountains from Saugerties during regular (seasonal) use</i>
Implementing the Action	
Priority	<i>High</i>
Local planning mechanism	<i>NY Rising project</i>
Responsible party	<i>Town of Saugerties</i>
Potential funding sources	<i>NY Rising project</i>
Time line	<i>2015-18</i>
Reporting on Progress	
Action progress status	<i>Early design concepts were changed due to discovery of serious culvert infrastructure problems and precarious depth of culvert on mountain road; design issues resolved and final design undertaken in late fall 2016; project expected to go before GOSR review in spring 2017 and then to contractor bidding and construction; completion estimated in 2018.</i>

Action Worksheet: Reservoir Improvements Project

Your plan name	<i>Ulster County Multi-Jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>Town of Saugerties</i>
Community action number	<i>Saugerties #7</i>
Assessing the Risk	
Hazard(s) addressed	<i>Failing culverts on two roads with drainage into the Blue Mountain Reservoir</i>
Risk finding	<i>Serious; infiltration into principal water source for Town and Village of Saugerties threatened</i>
Describing the Action	
Action category	<i>Planning and construction</i>
Action type	<i>Replacement of culverts--Van Vliet Road, Brink Road</i>
Action description	<i>Two tributaries into the Blue Mountain Reservoir have undersized culverts that threatened potential contamination of the principal water supply for the Town and Village; project is currently under design, to be followed by GOSR funding review and approval, bid preparations and advertising, and awarding of bids and construction.</i>
Existing, future &/or N/A	<i>Will eliminate a potential flooding situation that might impact the Town and Village principal water supply</i>
Evaluating the Action	
Losses avoided (i.e., benefits)	<i>Contaminated water; local road flood; some isolation of homes</i>
Cost estimate	<i>Undetermined; still in early stages of development</i>
Cost effectiveness (i.e., benefit/cost)	<i>Will eliminate flood hazards and potential water contamination once completed</i>
Technical	<i>None of note; "routine" culvert replacement projects</i>
Political	<i>None</i>
Legal	<i>Some easements from local property owners may be required</i>
Environmental	<i>None noted</i>
Social	<i>NA</i>
Administrative capability	<i>High; Town of Saugerties and NY Rising</i>
Local champion	<i>Town of Saugerties Highway Department</i>
Other community objectives	<i>Protects local property owners in major storm events</i>
Implementing the Action	
Priority	<i>High</i>
Local planning mechanism	<i>NY Rising project</i>
Responsible party	<i>Town of Saugerties</i>
Potential funding sources	<i>NY Rising project</i>
Time line	<i>2016-18</i>
Reporting on Progress	
Action progress status	<i>Two undersized culverts need replacement to ensure against flooding on local town roads and protect against possible contamination of the Blue Mountain Reservoir; the project has been folding into the NY Rising program and awaits design and bidding before going to construction; estimated completion in 2018.</i>

Action Worksheet: Mi. Marion Dam

Your plan name	<i>Ulster County Multi-Jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>Town of Saugerties</i>
Community action number	<i>Saugerties #8</i>
Assessing the Risk	
Hazard(s) addressed	<i>Failing dam compromising ability of local fire department to protect a local development and elementary school</i>
Risk finding	<i>Major</i>
Describing the Action	
Action category	<i>Planning and construction</i>
Action type	<i>Repair Mt. Marion dam to ensure continuation of impoundment for fire protection purposes</i>
Action description	<i>The Town Highway Department, working with NY Rising, is undertaking a project to repair a large hole that threatens to drain the Mt. Marion dam impoundment. Repairs to spalling along length of dam may also be undertaken. Project has moved beyond the design stage and is estimated to go to bid in early summer and be completed in 2017.</i>
Existing, future &/or N/A	<i>Will ensure the continued use of the Mt. Marion dam impoundment for local fire protection, including a local development and elementary school</i>
Evaluating the Action	
Losses avoided (i.e., benefits)	<i>The Plattekill Creek impoundment is the only water source for the Mt. Marion Fire Department and the Mt. Marion Elementary School; repairing this dam will lead to the avoidance of a potentially devastating fire.</i>
Cost estimate	<i>\$225,000</i>
Cost effectiveness (i.e., benefit/cost)	<i>Strong; protection of school and local housing development</i>
Technical	
Political	<i>None</i>
Legal	<i>None</i>
Environmental	<i>None noted</i>
Social	<i>Will protect a local development and local elementary school by ensuring a large water source during fire events.</i>
Administrative capability	<i>High; Town of Saugerties and NY Rising</i>
Local champion	<i>Town of Saugerties Highway Department</i>
Other community objectives	<i>NA</i>
Implementing the Action	
Priority	<i>High</i>
Local planning mechanism	<i>NY Rising project</i>
Responsible party	<i>Town of Saugerties</i>
Potential funding sources	<i>NY Rising project</i>
Time line	<i>2016-18</i>
Reporting on Progress	
Action progress status	<i>Firemen in Saugerties raised the potential of a serious fire hazard when it was determined that a large hole had developed in the Mt. Marion dam, which impounds water used in fire mitigation for the Mt. Marion Elementary School and Mt. Marion Park housing development; project has gone through design stage and will likely go to be by early summer, with construction to follow. Spalling along the dam will also be repaired.</i>

Action Worksheet	
Your plan name	<i>Ulster County Multi-jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>Town of Saugerties</i>
Community action number	<i>Saugerties #9</i>
Assessing the Risk	
Hazard(s) addressed	<i>Train derailment</i>
Risk finding	<i>High</i>
Describing the Action	
Action category	<i>Tabletop exercise in train derailment by local fire department personnel</i>
Action type	<i>Workshop</i>
Action description	<i>Update and information for firemen on train derailment measures</i>
Existing, future &/or NA	<i>N/A</i>
Evaluating the Action	
Losses avoided (i.e., benefits)	<i>Better knowledge and experience in train derailment events</i>
Cost estimate	<i>N/A</i>
Cost effectiveness (i.e., benefit/cost)	<i>May result in future mitigating actions needed as a result of a train derailment in Saugerties</i>
Technical	<i>Firemanic</i>
Political	<i>N/A</i>
Legal	<i>N/A</i>
Environmental	<i>Review of mitigation measures in case of train derailment</i>
Social	<i>N/A</i>
Administrative capability	<i>High - firemanic</i>
Local champion	<i>Town of Saugerties firemen</i>
Other community objectives	<i>Safety, protection, environmental mitigation</i>
Implementing the Action	
Priority	<i>High</i>
Local planning mechanism	<i>Workshop for personnel in the field</i>
Responsible party	<i>N/A</i>
Potential funding sources	<i>N/A</i>
Time line	<i>N/A</i>
Reporting on Progress	
Action progress status	<i>Workshop lessons incorporated in fire department procedures</i>



Ulster County Multi-Jurisdictional Hazard Mitigation Plan Update

OUTREACH LOG:

Summary of Outreach Activities to the General Public and Other Stakeholders

PARTICIPATING JURISDICTION: _____ Town of Saugerties _____

DATE OF ACTIVITY	TYPE OF ACTIVITY	ACTIVITY DETAILS	LEAD DEPARTMENT AND/OR STAFF TITLE WHO UNDERTOOK ACTIVITY
April 2017	Preparation of Workshop updates	In consultation with appropriate departments and technical consultants, formulate workshop papers on nine project updates related to hazardous mitigation in the Town of Saugerties; confer with building inspector, highway superintendent and staff, town engineers, NY Rising consultant	Vernon Benjamin Special Operations Coordinator
2013-2017	Information and feedback regarding potential hazard mitigation issues	Affected Town of Saugerties departments have routinely conducted meetings, informal interviews, personal interface and information sessions for the public in planning and instituting haz-mit mitigation measures on matters ranging from infrastructure improvements (such as culvert replacements, dam reconstruction project, sewer plant protections against flooding) to major concert venues and incidents involving CSX rail trains. Contact and interface with the public, usually local neighbors or those potentially directly involved, are routine activities of these departments that are carried on whenever issues of this nature arise. A full accounting of these outreach efforts will be included in future reports.	Building Inspector Alvah Weeks Jr.; Highway Superintendent Doug Myer; Police Chief Joe Sinagra; Town Water and Sewer Superintendent Mark Resso; Buildings and Grounds Superintendent Greg Chorvas; Special Operations Coordinator Vernon Benjamin