



## 9.25 TOWN OF WHITEHALL

This section presents the jurisdictional annex for the Town of Whitehall.

### 9.25.1 Hazard Mitigation Plan Point of Contact

The following individuals have been identified as the hazard mitigation plan’s primary and alternate points of contact.

Primary Point of Contact	Alternate Point of Contact
George Armstrong – Town Supervisor 57 Skenesborough Dr, Whitehall, NY	Louis Pratt – Highway Supervisor 57 Skenesborough Dr, Whitehall, NY Phone: 518-499-1535

### 9.25.2 Municipal Profile

The Town of Whitehall is located in the northern region of Washington County. The Town is bordered to the north by the Village of Whitehall and the State of Vermont, to the east by the Town of Hampton, to the south by the Towns of Fort Ann and Granville, and to the west by the Town of Fort Ann. The following hamlets are found in the Town: East Whitehall and Grays Corner. Brown Pond, Mettawee River, and Wood Creek are major bodies of water found throughout the Town. Whitehall is described as being the birthplace of the United States Navy during the Revolutionary War.

The Town has a total area of 58.8 square miles, of which, 57.6 square miles is land and 1.1 square miles is water. According to the 2010 Census, the community's population was 4,035 (inclusive of the Village of Whitehall). The Town is governed by the Town Board consisting of the board members and the town supervisor.

### Growth/Development Trends

The following table summarizes recent residential/commercial development since 2010 to present and any known or anticipated major residential/commercial development and major infrastructure development that has been identified in the next five years within the municipality.

**Table 9.25-1. Growth and Development**

Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (address and/or Parcel ID)	Known Hazard Zone(s)	Description/Status of Development
<b>Recent Development from 2010 to present</b>					
Millett Farm, Cty. Rte. 21	Solar Farm	1	Cty. Rte. 21 = 61.-1-16.1	None	Near Completion
Millett Farm, Cty. Rte. 21	Solar Farm	1	Cty. Rte. 21 = 61.-1-16.2	None	Near Completion
Millett Farm, Cty. Rte. 21	Solar Farm	1	Cty. Rte. 21 = 62.-2-3.6	None	Near Completion
Millett Farm, Cty. Rte. 21	Solar Farm	1	Cty. Rte. 21 = 62.-2-3.7	None	Near Completion
Joe Terry	Solar Farm	1	Greenmount Cemetery Ln. = 60.-3-27	None	Started
RSF Holdings	Solar Farm	1	218 Buckley Rd = 51.-1-28.4	Flooding	Started
Gregory Gross	Golf Course	1	61 Gray Ln. = 69.-2-1.1	Flooding	In progress
<b>Known or Anticipated Development in the Next Five (5) Years</b>					
None identified by the Town.					

\* Only location-specific hazard zones or vulnerabilities identified.





### 9.25.3 Natural Hazard Event History Specific to the Municipality

Washington County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5.0 of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities. For the purpose of this plan update, events that have occurred in the County from 2008 to present were summarized to indicate the range and impact of hazard events in the community. Information regarding specific damages is included, if available, based on reference material or local sources. This information is presented in the table below. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

**Table 9.25-2. Hazard Event History**

Dates of Event	Event Type (FEMA Disaster Declaration if applicable)	Washington County Designated?	Summary of Damages/Losses
August 26-September 5, 2011	Hurricane/T.S. Irene DR-4020	Yes	The Town identified that their losses included 8 hours of overtime for debris removal

Notes:

- EM Emergency Declaration (FEMA)
- FEMA Federal Emergency Management Agency
- DR Major Disaster Declaration (FEMA)

### 9.25.4 Hazard Vulnerabilities and Ranking

The hazard profiles in Section 5.0 of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the hazard vulnerabilities and their ranking in the Town of Whitehall. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

#### Natural Hazard Risk/Vulnerability Risk Ranking

As discussed in Section 5.3 (Hazard Ranking), each participating town or village may have differing degrees of risk exposure and vulnerability compared to Washington County as a whole. Therefore, each municipality ranked the degree of risk to each hazard as it pertains to their community. The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the Town of Whitehall. Table 9.25-12 provides proposed mitigation initiatives for the high ranked hazards.

**Table 9.25-3. Hazard Risk/Vulnerability Risk Ranking**

Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard <sup>a, c</sup>	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking <sup>b</sup>
Earthquake	100-Year GBS: \$0 500-Year GBS: \$6,814,745 2,500-Year GBS: \$76,340,720	Occasional	28	Medium
Flood	Damage estimate not available.	Frequent	21	Medium
Severe Weather	100-Year MRP: \$384 500-year MRP: \$7,963 Annualized: \$45	Frequent	48	High
Severe Winter Weather	1% GBS: \$2,696,741 5% GBS: \$13,483,707	Frequent	51	High
Wildfire	Estimated Value in the WUI Hazard Areas: \$231,665,537	Frequent	48	High





Notes:

- a. Building damage ratio estimates based on FEMA 386-2 (August 2001)
- b. The valuation of general building stock and loss estimates was based on custom inventory for the municipality.  
 High = Total hazard priority risk ranking score of 31 and above  
 Medium = Total hazard priority risk ranking of 20-30+  
 Low = Total hazard risk ranking below 20
- c. Loss estimates for the severe storm and severe winter storm hazards are structural values only and do not include the value of contents.
- d. Loss estimates for the flood and earthquake hazards represent both structure and contents.
- e. The HAZUS-MH earthquake model results are reported by Census Tract.

**National Flood Insurance Program (NFIP) Summary**

The following table summarizes the NFIP statistics for the Town of Whitehall.

**Table 9.25-4. NFIP Summary**

Municipality	# Policies (1)	# Claims (Losses) (1)	Total Loss Payments (2)	# Rep. Loss Prop. (1)	# Severe Rep. Loss Prop. (1)
Whitehall (T)	11	8	\$60,953	1	0

Source: FEMA, 2016

Note (1) Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA and are current as of April 30, 2016 and are summarized by Community Name. Please note the total number of repetitive loss properties excludes the severe repetitive loss properties. The number of claims represents claims closed by 4/30/2016.

Note (2) Total building and content losses from the claims file provided by FEMA Region 2.

Note (3) The policies inside and outside of the flood zones is based on the latitude and longitude provided by FEMA Region 2 in the policy file.

Note (4) FEMA noted that where there is more than one entry for a property, there may be more than one policy in force or more than one GIS possibility.

**Critical Facilities**

At the time of this HMP Update, digitized flood maps for Washington County are unavailable. In order to provide some level of beneficial analysis, a desktop analysis was performed to identify critical facilities located within the floodplain (refer to Section 5.1 [Methodology and Tools] for details). The following table identifies critical facilities located within the municipality and their exposure, if any, to the possible floodplain. This information is a resource for the municipality to determine if flood mitigation actions are appropriate based on historical events and proximity of the facility to a water body. At the time of this 2018 HMP Update, the municipality did not identify any actions associated with these facilities.

The Town of Whitehall understands the limitation of the map data and once the updated maps are available, the municipality will work with Washington County to determine which critical facilities are located within the 1% and 0.2% annual chance flood zones. Once identified, the municipality will work with the property owners and develop mitigation actions for each of the critical facilities, ensuring they will be protected to the 500-year (or worst-case scenario) level.

**Table 9.25-5. Potential Flood Losses to Critical Facilities**

Name	Type	Potential Flood Exposure
CPC 74	Rail	X
Whitehall Yard	Rail	X
Whitehall Highway Dept	Highway	X

Source: Washington County; NYS GIS Clearinghouse

**Other Vulnerabilities Identified**





The municipality has identified the following vulnerabilities within their community:

- Grey Lane – Heavy rainfall results in the complete cut off of two residences, a golf course and club house with the exception for Helicopter for emergency services
- Mettawee River Bridge on Upper Turnpike Road – Floods during the spring as a result of springtime melt runoff. Significant flooding on both approaches to the bridge cuts off through traffic resulting in longer response times to emergency services

### 9.25.5 Capability Assessment

This section identifies the following capabilities of the local jurisdiction:

- Planning and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Community classification
- National Flood Insurance Program
- Integration of Mitigation Planning into Existing and Future Planning Mechanisms

#### Planning and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Town of Whitehall.

**Table 9.25-6. Planning and Regulatory Tools**

Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
<b>Planning Capability</b>				
Master Plan	Yes - 1969	Local	Planning	A Comprehensive Plan – Summary Town of Whitehall, NY 1969
Capital Improvements Plan	Yes	Local	Town Board	Annual budget
Floodplain Management / Basin Plan	No	-	-	-
Stormwater Management Plan	No	-	-	-
Open Space Plan	No	-	-	-
Stream Corridor Management Plan	No	-	-	-
Watershed Management or Protection Plan	No	-	-	-
Economic Development Plan	No	-	-	-
Comprehensive Emergency Management Plan	No	-	-	-
Emergency Response Plan	No	-	-	-
Post-Disaster Recovery Plan	No	-	-	-
Transportation Plan	No	-	-	-
Strategic Recovery Planning Report	No	-	-	-
Other Plans:	No	-	-	-
<b>Regulatory Capability</b>				



Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Building Code	Yes	State & County	County CEO	Building Code of New York State (NYS), Local Law #1
Zoning Ordinance	Yes	Local	Town Board & Planning Board	Local Law #6 Of 1990
Subdivision Ordinance	Yes	Local	Town Board & Planning Board	Local Law #6 of 1990
NFIP Flood Damage Prevention Ordinance	Yes	Federal, State, Local	Supervisor	Not provided at the time of this plan update; currently in the process of updating
NFIP: Cumulative Substantial Damages	No	-	-	-
NFIP: Freeboard	Yes	State, Local	Town Board & Planning Board	State mandated BFE+2 for single and two-family residential construction, BFE+1 for all other construction types
Growth Management Ordinances	No	-	-	-
Site Plan Review Requirements	Yes	Local	Town Planning Board	Local Law #7 of 1990
Stormwater Management Ordinance	No	-	-	-
Municipal Separate Storm Sewer System (MS4)	No	-	-	-
Natural Hazard Ordinance	No	-	-	-
Post-Disaster Recovery Ordinance	No	-	-	-
Real Estate Disclosure Requirement	Yes	State	NYS Department of State, Real Estate Agent	NYS mandate, Property Condition Disclosure Act, NY Code - Article 14 §460-467
Other [Special Purpose Ordinances (i.e., sensitive areas, steep slope)]	No	-	-	-

**Administrative and Technical Capability**

The table below summarizes potential staff and personnel resources available to the Town of Whitehall.

**Table 9.25-7. Administrative and Technical Capabilities**

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
<b>Administrative Capability</b>		
Planning Board	Yes	Town of Whitehall Planning Board
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-
Open Space Board/Committee	No	-





Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Economic Development Commission/Committee	No	-
Maintenance Programs to Reduce Risk	Yes	Highway Department
Mutual Aid Agreements	Yes	Washington County
<b>Technical/Staffing Capability</b>		
Planner(s) or Engineer(s) with knowledge of land development and land management practices	Yes	Contract as needed through RFP
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	Contract as needed through RFP
Planners or engineers with an understanding of natural hazards	No	Contract as needed through RFP
NFIP Floodplain Administrator	Yes	Supervisor
Surveyor(s)	No	-
Personnel skilled or trained in GIS and/or HAZUS-MH applications	No	-
Scientist familiar with natural hazards	No	-
Emergency Manager	Yes	Supervisor/Deputy Supervisor
Grant Writer(s)	Yes	Contract as needed through RFP
Staff with expertise or training in benefit/cost analysis	Yes	Contract as needed through RFP
Professionals trained in conducting damage assessments	Yes	Contract as needed through RFP

### Fiscal Capability

The table below summarizes financial resources available to the Town of Whitehall.

**Table 9.25-8. Fiscal Capabilities**

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	No
Impact Fees for homebuyers or developers of new development/homes	No
Stormwater Utility Fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	No
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	Yes
Other Federal or State Funding Programs	Yes
Open Space Acquisition Funding Programs	No
Other	No

### Community Classifications

The table below summarizes classifications for community program available to the Town of Whitehall.





**Table 9.25-9. Community Classifications**

Program	Do you have this? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No		
Building Code Effectiveness Grading Schedule (BCEGS)	No		
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	4/4Y	9/25/15
Storm Ready	No		
NYSDEC Climate Smart Community	No		
Firewise	No		
Disaster/Safety Programs in/for Schools	No		
Organizations with Mitigation Focus (advocacy group, non-government)	No		
Public Education Program/Outreach (through website, social media)	No		
Public-Private Partnerships	No		

*N/A = Not applicable. NP = Not participating. - = Unavailable. TBD = To be determined.*

The classifications listed above relate to the community’s ability to provide effective services to lessen its vulnerability to the hazards identified. These classifications can be viewed as a gauge of the community’s capabilities in all phases of emergency management (preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class 1 being the best possible classification, and class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1000 feet of a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule website at: <https://www.isomitigation.com/bcegs/>
- The ISO Mitigation online ISO’s Public Protection website at <https://www.isomitigation.com/ppc/>
- The National Weather Service Storm Ready website at <https://www.weather.gov/stormready/>
- The National Firewise Communities website at <http://firewise.org/>

**Self-Assessment of Capability**

The table below provides an approximate measure of the Town of Whitehall’s capability to work in a hazard-mitigation capacity and/or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

**Table 9.25-10. Self-Assessment Capability for the Municipality**

Area	Degree of Hazard Mitigation Capability		
	Limited (If limited, what are your obstacles?)	Moderate	High
Planning and Regulatory Capability	X – limited staff and funding		







Area	Degree of Hazard Mitigation Capability		
	Limited (If limited, what are your obstacles?)	Moderate	High
Administrative and Technical Capability	X – limited staff and funding		
Fiscal Capability	X – limited staff and funding		
Community Political Capability	X – limited staff and funding		
Community Resiliency Capability	X – limited staff and funding		
Capability to Integrate Mitigation into Municipal Processes and Activities.	X – limited staff and funding		

### National Flood Insurance Program

#### NFIP Floodplain Administrator (FPA)

While the flood damage prevention ordinance indicates that the town supervisor is the floodplain administrator, Mr. Vernon Scribner, Compliance Officer, provided information regarding floodplain administration in the town.

#### Flood Vulnerability Summary

The municipality currently does not maintain a list of properties that have been flood damaged or a list of property owners who are interested in various mitigation actions. The FPA has identified no structures in the municipality as being damaged as a result of extreme storm events, including Hurricane Floyd and Hurricane Irene, the municipality does not complete Substantial Damage estimates.

#### Resources

The FPA is the sole person assuming the responsibilities of floodplain administration; these responsibilities include permit review and inspections. Washington County Department of Code Enforcement enforces NYS Building and Fire codes for all construction, including those in the floodplain. The Town does not provide any education or outreach to the community regarding flood hazards/risk and flood risk reduction through NFIP insurance and mitigation. Identified barriers to running an effective floodplain management program are staffing and budget restraints. The FPA identified that he would consider attending continuing education and/or certification training on floodplain management if it were offered in the County for all local floodplain administrators.

#### Compliance History

The community is in good-standing in the NFIP. The most recent compliance audit was conducted on July 17, 2015.

#### Regulatory

The municipality’s floodplain management regulations and ordinances meet the FEMA and State minimum requirements. The Planning Board also takes floodplain management and efforts to reduce flood risk when reviewing variances. The community is not enrolled in the CRS program, but would attend a CRS seminar if offered locally.

### Integration of Hazard Mitigation into Existing and Future Planning Mechanisms







For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, each community was surveyed to obtain a better understanding of their community's progress in plan integration. A summary is provided below. In addition, the community identified specific integration activities that will be incorporated into municipal procedures.

### Planning

**Land Use Planning:** The Town of Whitehall has a Planning Board which reviews all applications for development and considers natural hazard risk areas in their review. Many development activities require additional levels of environmental review, specifically NYS SEQRA and Federal NEPA requirements. Washington County provides the town with existing land use maps.

**Lake Champlain Watershed Water Quality Management Planning: Roadside Erosion Assessment and Inventory:** The Lake Champlain Watershed Water Quality Management Planning project was one of 11 projects in New York State that was funded through the Federal Government's American Recovery and Reinvestment Act Initiative. The goal of the project was to identify critically eroding roadside banks that have contributed significant sediment loads to the high-quality streams throughout the Champlain Watershed (Clinton, Essex, Franklin, Warren and Washington Counties). The plan identified 319 roadside erosion sites in need of remediation. In Washington County, 31 sites were identified (12 high priority, 11 moderate priority, and 8 low priority). Eight sites were located in the Town of Whitehall.

### Regulatory and Enforcement

**Code Enforcement:** Washington County provides code enforcement duties and responsibilities to the Town of Whitehall.

**Construction Codes, Uniform Chapter 210:** The building codes are strictly enforced to make new and renovated buildings as prepared as possible for hazard related incidents. The Town complies with New York State Uniform Fire Prevention and Building Code (the Uniform Code) and the State Energy Conservation Construction Code (the Energy Code).

**Sewers:** The Town abides by the County-wide Sanitary Code, which protects and regulates its sewage collection and treatment facilities as a matter of public health and environmental safety. It seeks to prohibit the introduction of stormwater, surface, or sub-surface waters into sanitary sewers and to control the quantity and quality of wastes in the sewage system.

### Fiscal

**Operating Budget:** The Town's operating budget contains provisions for expected repairs like snow removal and infrastructure repair after a storm or natural disaster.

### Education and Outreach

Town website includes links and contact information for Town Emergency Contacts, including the Sheriff's Office, State Police, Whitehall Fire Department, Skenesborough EMS, and Whitehall Highway Department.

## 9.25.6 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and prioritization.

### Past Mitigation Initiative Status





The following table indicates progress on the community’s mitigation strategy identified in the 2010 Plan. It should be noted that during the 2010 planning process, only general, countywide actions were identified for each municipality. The Town of Whitehall reviewed the previous actions and selected actions they chose to carry forward as part of this plan update. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and may also be found under ‘Capability Assessment’ presented previously in this annex.



**Table 9.25-11. Status of Previous Mitigation Actions**

2010 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status	Next Step (Include in 2018 HMP or Discontinue)	Describe Next Step
Improve drainage at sites where roads have washed out due to natural hazards in the past	County and NYS DHSES	Complete	This project is 100% complete	Discontinue	The project is complete; therefore, it will not be included in this 2018 HMP Update
Purchase equipment to provide for local personnel to conduct the drainage improvement	County and NYS DHSES	Complete	This project is 100% complete	Discontinue	The project is complete; therefore, it will not be included in this 2018 HMP Update
Engineering assessment to determine feasibility of each site improvement	County and NYS DHSES	No Progress	Site improvements have been completed; therefore, this action is not relevant to the Town	Discontinue	Site improvements have been completed; therefore, this action is not relevant to the Town. It will not be included in the 2018 HMP Update.
Improve dams to prevent flooding causing roads to wash out.	County and NYS DHSES	No Progress	No Dams in Town	Discontinue	There are no dams located in the Town; therefore, this action does not pertain to the Town and will not be included in the 2018 HMP Update
Improve identified sites where slope stability is subject to land subsidence and where excavation or planting could mitigate future damage.	County and NYS DHSES	Complete	This project is 100% complete	Discontinue	The project is complete; therefore, it will not be included in this 2018 HMP Update



### Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

The Town of Whitehall has identified the following mitigation projects/activities that have also been completed but were not identified in the previous mitigation strategy in the 2010 Plan:

- None identified

### Proposed Hazard Mitigation Initiatives for the Plan Update

The Town of Whitehall participated in a mitigation action workshop in September 2016 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 ‘Selecting Appropriate Mitigation Measures for Floodprone Structures’ (March 2007) and FEMA ‘Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards’ (January 2013).

Table 9.25-12 summarizes the comprehensive-range of specific mitigation initiatives the Town of Whitehall would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing your actions as ‘High’, ‘Medium’, or ‘Low.’ The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.25-13 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.25-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and / or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
T. Whitehall-1	County Route 10 – install five stone check dams and hydroseed with conservation mix	Existing	Flood, Severe Storm	1	Town DPW with support from Washington County and Lake Champlain-Lake George Regional Planning Board	Medium	Low	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants	Short Term	High	SIP	PP, NR
T. Whitehall-2	Welch-Tanner-Truthville Intersection – regrade slope, install stone check dam and hydroseed with conservation mix and soil amendments	Existing	Flood, Severe Storm	1	Town DPW with support from Lake Champlain-Lake George Regional Planning Board	Medium	Low	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants	Short Term	High	SIP	PP, NR
T. Whitehall-3	Baker Road – re-grade slope, install erosion and sediment control blankets and hydroseed with conservation mix and soil amendments	Existing	Flood, Severe Storm	1	Town DPW with support from Lake Champlain-Lake George Regional Planning Board	Medium	Low	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants	Short Term	High	SIP	PP, NR
T. Whitehall-4	Tanner Hill Road - regrade slope and hydroseed with conservation mix and soil amendments	Existing	Flood, Severe Storm	1	Town DPW with support from Lake Champlain-Lake George Regional Planning Board	Medium	Low	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants	Short Term	Medium	SIP	PP, NR
T. Whitehall-5	Winters Road – re-grade slope, install two check dams and hydroseed with conservation mix	Existing	Flood, Severe Storm	1	Town DPW with support from Lake Champlain-Lake George Regional Planning Board	Medium	Low	County Soil & Water Conservation district, municipal	Short Term	Medium	SIP	PP, NR





Table 9.25-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and / or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
								budget, Water Quality Improvement Project Grants				
T. Whitehall-6	County Route 12 – install woody vegetation	Existing	Flood, Severe Storm	1	Town DPW with support from Washington County and Lake Champlain-Lake George Regional Planning Board	Medium	Low	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants	Short Term	Medium	SIP	PP, NR
T. Whitehall-7	Upper Turnpike Road – re-grade slope and hydroseed with conservation mix and soil amendments	Existing	Flood, Severe Storm	1	Town DPW with support from Lake Champlain-Lake George Regional Planning Board	Medium	Low	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants	Short Term	Medium	SIP	PP, NR
T. Whitehall-8	Beckett Road - re-grade slope and hydroseed with conservation mix and soil amendments	Existing	Flood, Severe Storm	1	Town DPW with support from Lake Champlain-Lake George Regional Planning Board	Medium	Low	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants	Short Term	Low	SIP	PP, NR
T. Whitehall-9	Review the Town’s current Flood Damage Prevention Ordinance, and update as necessary to consider and address: <ul style="list-style-type: none"> <li>• Compliance with the latest model Flood Damage Prevention Ordinances. To request the Model Flood Damage Prevention Law appropriate for your community, please contact the DEC Floodplain Management Section at 518-402-8185 or at floodplain.floodplain@dec.ny.gov.</li> <li>• Proper identification of the local NFIP Floodplain Administrator and develop a list of responsibilities of administering the duties of local floodplain administration.</li> <li>• Reference current regulatory NFIP floodplain mapping, which is currently in an active update process (2016-2018).</li> </ul>											
	See above	New and Existing	Flood, Severe Storm	1	Town Board with assistance from NYSDEC, and County	High	Low	Town Budget	Short Term	High	LPR, EAP	PR, PI

Notes:





Not all acronyms and abbreviations defined below are included in the table.

\*Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure? Not applicable (N/A) is inserted if this does not apply.

Acronyms and Abbreviations:

CAV	Community Assistance Visit
CRS	Community Rating System
DPW	Department of Public Works
FEMA	Federal Emergency Management Agency
FPA	Floodplain Administrator
HMA	Hazard Mitigation Assistance
N/A	Not applicable
NFIP	National Flood Insurance Program
OEM	Office of Emergency Management

Potential FEMA HMA Funding Sources:

FMA	Flood Mitigation Assistance Grant Program
HMGP	Hazard Mitigation Grant Program
PDM	Pre-Disaster Mitigation Grant Program
RFC	Repetitive Flood Claims Grant Program (discontinued in 2015)
SRL	Severe Repetitive Loss Grant Program (discontinued in 2015)

Timeline:

Short	1 to 5 years
Long Term	5 years or greater
OG	On-going program
DOF	Depending on funding

Costs:

Where actual project costs have been reasonably estimated:

Low	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where actual project costs cannot reasonably be established at this time:

Low	Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.
Medium	Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
High	Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Benefits:

Where possible, an estimate of project benefits (per FEMA's benefit calculation methodology) has been evaluated against the project costs, and is presented as:

Low=	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where numerical project benefits cannot reasonably be established at this time:

Low	Long-term benefits of the project are difficult to quantify in the short term.
Medium	Project will have a long-term impact on the reduction of risk exposure to life and property, or project will provide an immediate reduction in the risk exposure to property.
High	Project will have an immediate impact on the reduction of risk exposure to life and property.

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) - These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities

CRS Category:

- Preventative Measures (PR) - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- Property Protection (PP) - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.







- *Public Information (PI) - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.*
- *Natural Resource Protection (NR) - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.*
- *Structural Flood Control Projects (SP) - Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.*
- *Emergency Services (ES) - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities*



Table 9.25-13. Summary of Prioritization of Actions

Mitigation Action / Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
T. Whitehall-1	County Route 10 – install five stone check dams and hydroseed with conservation mix	1	1	1	1	0	0	0	1	1	1	1	1	1	0	10	High
T. Whitehall-2	Welch-Tanner-Truthville Intersection – regrade slope, install stone check dam and hydroseed with conservation mix and soil amendments	1	1	1	1	0	0	0	1	1	1	1	1	1	0	10	High
T. Whitehall-3	Baker Road – re-grade slope, install E&SC blankets and hydroseed with conservation mix and soil amendments	1	1	1	1	0	0	0	1	1	1	1	1	1	0	10	High
T. Whitehall-4	Tanner Hill Road - regrade slope and hydroseed with conservation mix and soil amendments	1	1	1	1	0	0	0	1	0	1	1	1	0	0	8	Medium
T. Whitehall-5	Winters Road – re-grade slop, install two check dams and hydroseed with conservation mix	1	1	1	1	0	0	0	1	0	1	1	1	0	0	8	Medium
T. Whitehall-6	County Route 12 – install woody vegetation	1	1	1	1	0	0	0	1	0	1	1	1	0	0	8	Medium
T. Whitehall-7	Upper Turnpike – re-grade slope and hydroseed with conservation mix and soil amendments	1	1	1	1	0	0	0	1	0	1	1	1	0	0	8	Medium
T. Whitehall-8	Beckett Road - re-grade slope and hydroseed with conservation mix and soil amendments	1	1	1	1	0	0	0	0	0	1	1	1	0	0	7	Low
T. Whitehall-9	Review the Village’s current Flood Damage Prevention Ordinance, and update as necessary	1	1	1	1	1	1	1	1	0	1	1	0	0	0	10	High

Note: Refer to Section 6 which contains the guidance on conducting the prioritization of mitigation actions.





### **9.25.7 Future Needs to Better Understand Risk/Vulnerability**

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None at this time.

### **9.25.8 Hazard Area Extent and Location**

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Hazard area extent and location maps have been generated for the Town of Whitehall that illustrate the probable areas impacted within the municipality. These maps are based on the best available data at the time of the preparation of this plan, and are considered to be adequate for planning purposes. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the Town of Whitehall has significant exposure. These maps are illustrated in the hazard profiles within Section 5.4, Volume I of this Plan.

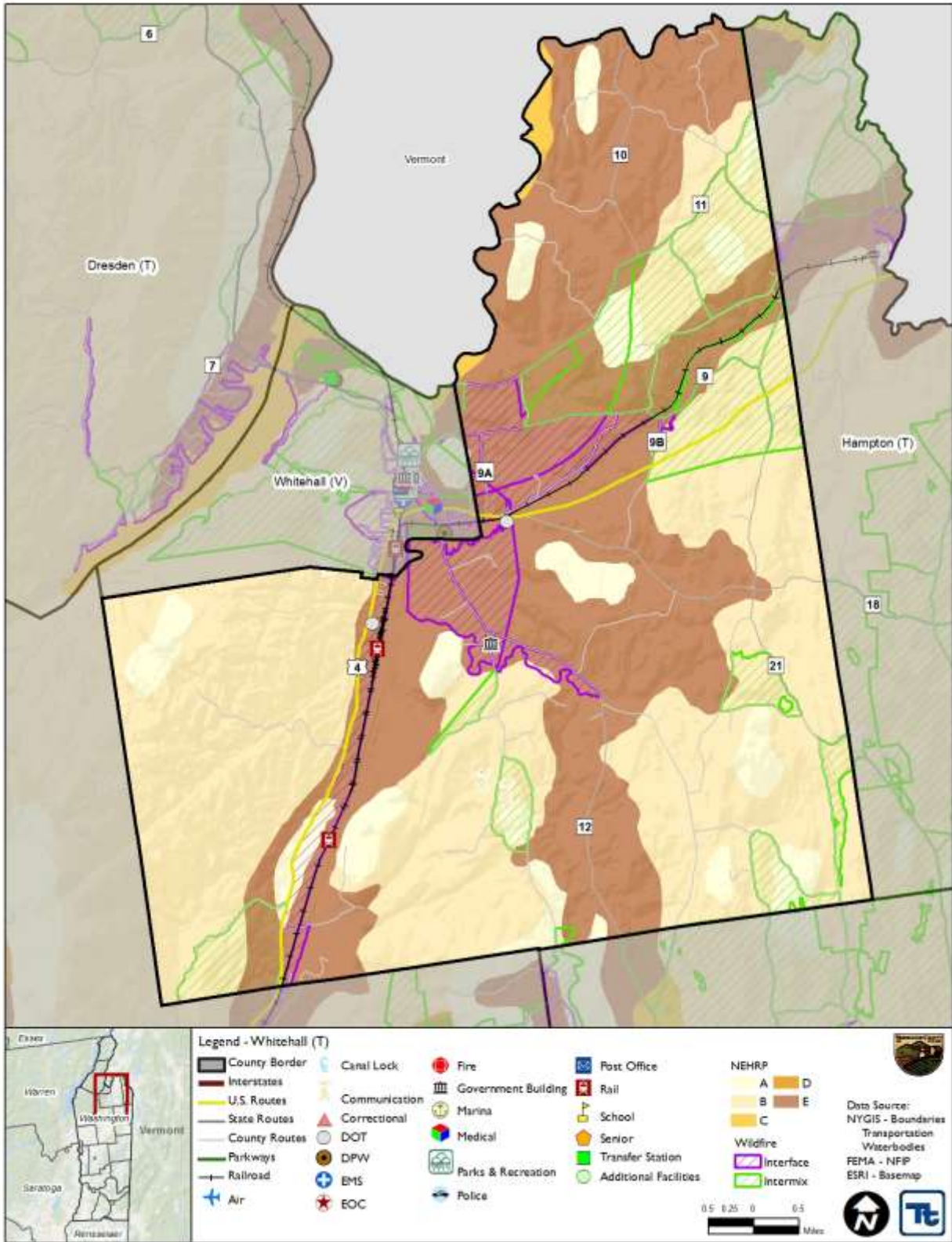
### **9.25.9 Additional Comments**

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None at this time.



Figure 9.25-1. Town of Whitehall Hazard Area Extent and Location





Action Number:

T. Whitehall-1

Mitigation Action Name:

County Route 10

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flood, Severe Storm
<b>Specific problem being mitigated:</b>	Eroding slope sides along the roadway can lead to flooding, closed roadways, impacting accessibility, and contributing to significant sediment loads to the stream. Roadway is more susceptible to inundation during periods of heavy rain.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	Do nothing - current problem continues Relocate County Route 10 – not feasible
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Install five stone check dams and hydroseed with conservation mix at County Route 10 to reduce flooding and erosion. This will help prevent erosion and improve stream channel functionality.
<b>Mitigation Action Type</b>	Structure and Infrastructure Project (SIP)
<b>Goals Met</b>	Goal 1: Protect Life and Property
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	Medium
<b>Estimated Cost</b>	Low
<b>Priority*</b>	High
Plan for Implementation	
<b>Responsible Organization</b>	Town DPW Department with support from Washington County and Lake Champlain-Lake George Regional Planning Board
<b>Local Planning Mechanism</b>	Hazard Mitigation
<b>Potential Funding Sources</b>	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
<b>Timeline for Completion</b>	Short Term – less than five years to complete
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:



Action Number: T. Whitehall-1  
 Mitigation Action Name: County Route 10

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	This action is technically feasible
Political	0	
Legal	0	
Fiscal	0	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
Environmental	1	
Social	1	
Administrative	1	The Town has the administrative capabilities to complete the action
Multi-Hazard	1	Flood, Severe Storm
Timeline	1	Short Term
Agency Champion	1	
Other Community Objectives	0	
<b>Total</b>	<b>10</b>	
<b>Priority (H/M/L)</b>	<b>High</b>	



Action Number:

T. Whitehall-2

Mitigation Action Name:

Welch-Tanner-Truthville Intersection

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flood, Severe Storm
<b>Specific problem being mitigated:</b>	The Welch-Tanner-Truthville Intersection is found within an area of highly erodible sand and gravel soils. This roadside bank at this intersection is eroding and contributing to sediment loads to nearby waterbodies. The bank is in need of regrading in order to reduce flooding and erosion impacts.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	Do nothing - current problem continues Relocate Welch-Tanner-Truthville – not feasible
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Regrade slope at Welch-Tanner-Truthville Intersection, install stone check dam and hydroseed with conservation mix and soil amendments to reduce flooding, erosion, and the amount of sediment loads.
<b>Mitigation Action Type</b>	Structure and Infrastructure Project (SIP)
<b>Goals Met</b>	Goal 1: Protect Life and Property
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	Medium
<b>Estimated Cost</b>	Low
<b>Priority*</b>	High
Plan for Implementation	
<b>Responsible Organization</b>	Town DPW with support from Lake Champlain-Lake George Regional Planning Board
<b>Local Planning Mechanism</b>	Hazard Mitigation
<b>Potential Funding Sources</b>	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
<b>Timeline for Completion</b>	Short Term
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:







**Action Number:**  
**Mitigation Action Name:**

T. Whitehall-2  
 Welch-Tanner-Truthville Intersection

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	This action is technically feasible
Political	0	
Legal	0	
Fiscal	0	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
Environmental	1	
Social	1	
Administrative	1	The Town has the administrative capabilities to complete the action
Multi-Hazard	1	Flood, Severe Storm
Timeline	1	Short Term
Agency Champion	1	
Other Community Objectives	0	
<b>Total</b>	10	
<b>Priority (H/M/L)</b>	<b>High</b>	



Action Number:

T. Whitehall-3

Mitigation Action Name:

Baker Road

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flood, Severe Storm
<b>Specific problem being mitigated:</b>	Baker Road is found within an area of highly erodible sand and gravel soils. This roadside bank is eroding and contributing to sediment loads to nearby waterbodies. The bank is in need of regrading in order to reduce flooding and erosion impacts.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	Do nothing - current problem continues Install retaining wall - costly
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Re-grade slope, install erosion and sediment control blankets and hydroseed with conservation mix and soil amendments. This will help prevent erosion and improve stream channel functionality.
<b>Mitigation Action Type</b>	Structure and Infrastructure Project (SIP)
<b>Goals Met</b>	Goal 1: Protect Life and Property
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	Medium
<b>Estimated Cost</b>	Low
<b>Priority*</b>	High
Plan for Implementation	
<b>Responsible Organization</b>	Town DPW with support from Lake Champlain-Lake George Regional Planning Board
<b>Local Planning Mechanism</b>	Hazard Mitigation
<b>Potential Funding Sources</b>	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
<b>Timeline for Completion</b>	Short Term
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:



**Action Number:**  
**Mitigation Action Name:**

T. Whitehall-3  
 Baker Road

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	This action is technically feasible
Political	0	
Legal	0	
Fiscal	0	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
Environmental	1	
Social	1	
Administrative	1	The Town has the administrative capabilities to complete the action
Multi-Hazard	1	Flood, Severe Storm
Timeline	1	Short Term
Agency Champion	1	
Other Community Objectives	0	
<b>Total</b>	10	
<b>Priority (H/M/L)</b>	<b>High</b>	



Action Number:

T. Whitehall-4

Mitigation Action Name:

Tanner Hill Road

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flood, Severe Storm
<b>Specific problem being mitigated:</b>	Tanner Hill Road is found within an area of highly erodible sand and gravel soils. This roadside bank is eroding and contributing to sediment loads to nearby waterbodies. The bank is in need of regrading in order to reduce flooding and erosion impacts.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	Do nothing - current problem continues Install retaining wall - costly
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Regrade slope and hydroseed with conservation mix and soil amendments at Tanner Hill Road. This will help prevent erosion and improve stream channel functionality.
<b>Mitigation Action Type</b>	Structure and Infrastructure Project (SIP)
<b>Goals Met</b>	Goal 1: Protect Life and Property
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	Medium
<b>Estimated Cost</b>	Low
<b>Priority*</b>	Medium
Plan for Implementation	
<b>Responsible Organization</b>	Town DPW with support from Lake Champlain-Lake George Regional Planning Board
<b>Local Planning Mechanism</b>	Hazard Mitigation
<b>Potential Funding Sources</b>	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
<b>Timeline for Completion</b>	Short Term
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:



**Action Number:** T. Whitehall-4  
**Mitigation Action Name:** Tanner Hill Road

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	This action is technically feasible
Political	0	
Legal	0	
Fiscal	0	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
Environmental	1	
Social	0	
Administrative	1	The Town has the administrative capabilities to complete the action
Multi-Hazard	1	Flood, Severe Storm
Timeline	1	Short Term
Agency Champion	0	
Other Community Objectives	0	
<b>Total</b>	8	
<b>Priority (H/M/L)</b>	<b>Medium</b>	



Action Number:

T. Whitehall-5

Mitigation Action Name:

Winters Road

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flood, Severe Storm
<b>Specific problem being mitigated:</b>	Eroding slope sides along the roadway can lead to flooding, closed roadways, impacting accessibility, and contributing to significant sediment loads to the stream. Additionally, Winters Road is found within an area of highly erodible sand and gravel soils.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	Do nothing - current problem continues Install retaining wall - costly
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Re-grade slope, install two check dams and hydroseed with conservation mix at Winters Road. This will help prevent erosion and improve stream channel functionality.
<b>Mitigation Action Type</b>	Structure and Infrastructure Project (SIP)
<b>Goals Met</b>	Goal 1: Protect Life and Property
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	Medium
<b>Estimated Cost</b>	Low
<b>Priority*</b>	Medium
Plan for Implementation	
<b>Responsible Organization</b>	Town DPW with support from Lake Champlain-Lake George Regional Planning Board
<b>Local Planning Mechanism</b>	Hazard Mitigation
<b>Potential Funding Sources</b>	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
<b>Timeline for Completion</b>	Short Term
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:



Action Number: T. Whitehall-5  
 Mitigation Action Name: Winters Road

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	This action is technically feasible
Political	0	
Legal	0	
Fiscal	0	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
Environmental	1	Reduces sediment load in water body; improves water quality
Social	0	
Administrative	1	
Multi-Hazard	1	Flood, Severe Storm
Timeline	1	Short Term
Agency Champion	0	
Other Community Objectives	0	
<b>Total</b>	<b>8</b>	
<b>Priority (H/M/L)</b>	<b>Medium</b>	





Action Number:

T. Whitehall-6

Mitigation Action Name:

County Route 12

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flood, Severe Storm
<b>Specific problem being mitigated:</b>	Eroding slope sides along the roadway can lead to flooding, closed roadways, impacting accessibility, and contributing to significant sediment loads to the stream. Additionally, County Route 12 is found within an area of highly erodible sand and gravel soils.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	Do nothing - current problem continues Hydroseed with conservation mix – not preferred
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Install woody vegetation along County Route 12 in the Town. The woody plants establish deep, supporting root system that hold soil in place and aid in reducing erosion. This will help prevent erosion and improve stream quality channel functionality.
<b>Mitigation Action Type</b>	Structure and Infrastructure Project (SIP)
<b>Goals Met</b>	Goal 1: Protect Life and Property
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	Medium
<b>Estimated Cost</b>	Low
<b>Priority*</b>	Medium
Plan for Implementation	
<b>Responsible Organization</b>	Town DPW with support from Washington County and Lake Champlain-Lake George Regional Planning Board
<b>Local Planning Mechanism</b>	Hazard Mitigation
<b>Potential Funding Sources</b>	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
<b>Timeline for Completion</b>	Short Term
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:



**Action Number:**  
**Mitigation Action Name:**

T. Whitehall-6  
 County Route 12

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	This action is technically feasible
Political	0	
Legal	0	
Fiscal	0	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
Environmental	1	Reduces sediment load in water body; improves water quality
Social	0	
Administrative	1	
Multi-Hazard	1	Flood, Severe Storm
Timeline	1	Short Term
Agency Champion	0	
Other Community Objectives	0	
<b>Total</b>	<b>8</b>	
<b>Priority (H/M/L)</b>	<b>Medium</b>	



Action Number:

T. Whitehall-7

Mitigation Action Name:

Upper Turnpike Road

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flood, Severe Storm
<b>Specific problem being mitigated:</b>	Eroding slope sides along the roadway can lead to flooding, closed roadways, impacting accessibility, and contributing to significant sediment loads to the stream. Additionally, Upper Turnpike Road is found within an area of highly erodible sand and gravel soils.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	Do nothing - current problem continues Install retaining wall - cost
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Re-grade slope and hydroseed with conservation mix (grass and vegetative seed, fertilizer and water) and soil amendments at Upper Turnpike. The plants develop a deep root system that holds sediment and grows to produce a thicker vegetative cover over the area. This helps in reducing erosion and sediment runoff.
<b>Mitigation Action Type</b>	Structure and Infrastructure Project (SIP)
<b>Goals Met</b>	Goal 1: Protect Life and Property
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	Medium
<b>Estimated Cost</b>	Low
<b>Priority*</b>	Medium
Plan for Implementation	
<b>Responsible Organization</b>	Town DPW with support from Lake Champlain-Lake George Regional Planning Board
<b>Local Planning Mechanism</b>	Hazard Mitigation
<b>Potential Funding Sources</b>	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
<b>Timeline for Completion</b>	Short Term
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:



**Action Number:**  
**Mitigation Action Name:**

T. Whitehall-7  
 Upper Turnpike Road

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	This action is technically feasible
Political	0	
Legal	0	
Fiscal	0	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
Environmental	1	Reduces sediment load in water body; improves water quality
Social	0	
Administrative	1	
Multi-Hazard	1	Flood, Severe Storm
Timeline	1	Short Term
Agency Champion	0	
Other Community Objectives	0	
<b>Total</b>	<b>8</b>	
<b>Priority (H/M/L)</b>	<b>Medium</b>	



Action Number:

T. Whitehall-8

Mitigation Action Name:

Beckett Road

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flood, Severe Storm
<b>Specific problem being mitigated:</b>	Eroding slope sides along the roadway can lead to flooding, closed roadways, impacting accessibility, and contributing to significant sediment loads to the stream. Additionally, Beckett Road is found within an area of highly erodible sand and gravel soils.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	Do nothing - current problem continues Install retaining wall - cost
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Re-grade slope and hydroseed with conservation mix (grass and vegetative seed, fertilizer and water) and soil amendments at Beckett Road. The plants develop a deep root system that holds sediment and grows to produce a thicker vegetative cover over the area. This helps in reducing erosion and sediment runoff.
<b>Mitigation Action Type</b>	Structure and Infrastructure Project (SIP)
<b>Goals Met</b>	Goal 1: Protect Life and Property
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	Medium
<b>Estimated Cost</b>	Low
<b>Priority*</b>	Low
Plan for Implementation	
<b>Responsible Organization</b>	Town DPW with support from Lake Champlain-Lake George Regional Planning Board
<b>Local Planning Mechanism</b>	Hazard Mitigation
<b>Potential Funding Sources</b>	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
<b>Timeline for Completion</b>	Short Term
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:



**Action Number:** T. Whitehall-8  
**Mitigation Action Name:** Beckett Road

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	This action is technically feasible
Political	0	
Legal	0	
Fiscal	0	County Soil & Water Conservation district, municipal budget, Water Quality Improvement Project Grants
Environmental	0	Reduces sediment load in water body; improves water quality
Social	0	
Administrative	1	
Multi-Hazard	1	Flood, Severe Storm
Timeline	1	Short Term
Agency Champion	0	
Other Community Objectives	0	
<b>Total</b>	7	
<b>Priority (H/M/L)</b>	<b>Low</b>	



Action Number:

T. Whitehall-9

Mitigation Action Name:

Review the Town’s current Flood Damage Prevention Ordinance, and update as necessary

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flood, severe storm
<b>Specific problem being mitigated:</b>	The Town’s flood damage prevention ordinance is in need of an update and a local NFIP floodplain administrator needs to be identified. There is also a need to develop a list of responsibilities of administering duties of local floodplain administration in the Town. Lastly, the effective floodplain maps are in need of updating and the Town is waiting for the new maps which are currently in an active update process as of the date of this plan update.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	No action - Current problem persists. Adopt Flood Damage Prevention Ordinance with higher standards – not interested in exceeding standards at this time
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Review the Town’s current Flood Damage Prevention Ordinance, and update as necessary to consider and address: <ul style="list-style-type: none"> <li>• Compliance with the latest model Flood Damage Prevention Ordinances. To request the Model Flood Damage Prevention Law appropriate for your community, please contact the DEC Floodplain Management Section at 518-402-8185 or at <a href="mailto:floodplain.floodplain@dec.ny.gov">floodplain.floodplain@dec.ny.gov</a>.</li> <li>• Proper identification of the local NFIP Floodplain Administrator and develop a list of responsibilities of administering the duties of local floodplain administration.</li> <li>• Reference current regulatory NFIP floodplain mapping, which is currently in an active update process (2016-2017).</li> </ul>
<b>Mitigation Action Type</b>	Education and Awareness Programs (EAP) and Local Plans and Regulations (LPR)
<b>Goals Met</b>	Goal 1: Protect Life and Property
<b>Applies to existing and or new development, or not applicable</b>	New and Existing
<b>Benefits (losses avoided)</b>	High
<b>Estimated Cost</b>	Low
<b>Priority*</b>	High
Plan for Implementation	
<b>Responsible Organization</b>	Town Board with assistance from NYSDEC, and County
<b>Local Planning Mechanism</b>	Hazard Mitigation, Floodplain Administration
<b>Potential Funding Sources</b>	Town Budget
<b>Timeline for Completion</b>	Short
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	No progress; new project



**Action Number:**

T. Whitehall-9

**Mitigation Action Name:**

Review the Town’s current Flood Damage Prevention Ordinance, and update as necessary

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	
Technical	1	This action is technically feasible
Political	1	
Legal	1	
Fiscal	1	Municipal budget / staff time
Environmental	1	
Social	0	
Administrative	1	The Town has the administrative capabilities to implement this action
Multi-Hazard	1	Flood, Severe Storm
Timeline	0	
Agency Champion	0	
Other Community Objectives	0	
<b>Total</b>	10	
<b>Priority (H/M/L)</b>	<b>High</b>	