

Post-Flood Recovery Building Workshop for the Village of Sodus Point

August 2019



*This document was supported by agreement with
New York Sea Grant, funds provided by
Environmental Protection Fund under the authority of the
New York Ocean and Great Lakes Ecosystem Conservation Act,
and project A/EEP-44 funded under award NA14OAR4170069
from the National Sea Grant College Program of the
U.S. Department of Commerce's National Oceanic and
Atmospheric Administration.*



Post-Flood Recovery Building Workshop for the Village of Sodus Point

August 2019

Mary Austerman

Great Lakes Coastal Community Development Specialist

New York Sea Grant

Wayne County Cooperative Extension

1581 Route 88 North

Newark, NY 14513

(315) 331-8415

<https://seagrant.sunysb.edu/>

Jayme Breschard Thomann, AICP, CFM

Senior Planner

Genesee/Finger Lakes Regional Planning Council

50 West Main Street • Suite 8107

Rochester, NY 14614

(585) 454-0190 x12

www.gflrpc.org

Table of Contents

Introduction.....	1
Planning Process.....	3
Recommendations.....	7

Appendices

- A: Workshop Stakeholder Identification Exercise**
- B: Workshop Stakeholder List**
- C: CRI Pilot**
- D: Distilled Matrix**
- E: Village Board Meeting Handout**

Introduction

Through funds provided by the Environmental Protection Fund under the authority of the New York Ocean and Great Lakes Ecosystem Conservation Act and by agreement with New York Sea Grant (NYSG) and the National Oceanic and Atmospheric Administration's (NOAA) Community Climate Adaptation Initiative Program, Genesee/Finger Lakes Regional Planning Council (G/FLRPC) and NYSG were awarded respective funding for the *Post-Flood Recovery Building Workshop for the Village of Sodus Point*.

The objectives of the project are:

1. Define the 2017 Lake Ontario flooding and erosion event,
2. Identify existing and future vulnerabilities and strengths within the Village of Sodus Point,
3. Develop and prioritize actions for the community and broader stakeholder networks, and
4. Identify opportunities for the Village of Sodus Point to advance actions to reduce risks and build resilience to future flooding.

This community-based stewardship and education activity has documented lessons-learned from the then high water levels during the spring and summer of 2017 on Lake Ontario for the Village of Sodus Point in Wayne County, New York. The 2016/17 winter was warm and wet across the Great Lakes basin. That was followed by a very wet spring.¹ The resulting record-high water levels indicate that extreme weather can become a stressor for communities. As climate hazards, such as extreme water levels, are being observed more frequently, municipalities are beginning to consider the reduction of future risk into their planning and development goals to ensure that people, property, and infrastructure are not placed or rebuilt in harm's way.

Research has long shown that, in the absence of some larger vision for the future, residents of communities recovering from a hazard event such as severe flooding and erosion have an operative idea of their rebuilt community—almost invariably it resembles the community they already knew. Effective visioning may help expand the window of opportunity to marshal support for change after an event. Opportunities to properly plan for and mitigate both natural and man-made hazards, rather than to quickly rebuild back to “normal,” should be explored.

After a hazard event, opportunities to create greater resilience are only limited by the imagination of the community. Speed of recovery is not always effective in building a more resilient community. Taking the time to do proper and deliberate planning is more important. The post-event window of opportunity lasts for a relatively short period of time. However, not all recovery solutions have to be million-dollar solutions. Higher codes and standards, prearranged agreements, and local and intermunicipal collaboration are important tools that can be used for recovery planning and preparedness. Participation of the “whole community” involving all stakeholder groups is also essential to long-term recovery.

The first step of the post-hazard planning discourse is visioning. By working through a public engagement process that produces a common vision for the future, accompanied by goals, and with

¹ 2017 Annual Climate Trends and Impacts Summary for the Great Lakes Basin, <http://glisa.umich.edu/media/files/2017-Climate-trends-and-impacts-summary.pdf>, accessed 5 August 2019.

buy-in among the various stakeholders and subgroups within the community, the Village of Sodus Point can better address the key priorities for promoting community resiliency and ecosystem integrity.

G/FLRPC and NYSG coordinated a full-day workshop engagement where invited stakeholders reacted to the 2017 flood and erosion event; identified past, current, and future challenges and strengths based on three (3) community components (e.g., infrastructural, environmental, and economic/tourism); and developed and prioritized actions to improve the community's resilience to future high water levels on Lake Ontario. For more information, visit the [Post-Flood Recovery Building Workshop for the Village of Sodus Point](#) project website.

The impacts of flooding and shoreline erosion along Lake Ontario and associated embayments may prompt municipalities to better integrate coastal resiliency efforts into local planning and management, such as restoring natural environmental functions through land acquisition and developing policies for reconstruction to a higher building standard. Preparing a public engagement process for the Village of Sodus Point in response to the historically high water levels and severe erosion in Lake Ontario can serve as a model for other communities interested in developing a Great Lakes coastal restoration and resilience strategy with an implementation agenda to assist in identifying funding sources for increased implementation.

Planning Process

The Process: Community Resilience Building Workshop

Understanding the need to utilize a process with a proven track record and offer transparency, G/FLRPC and NYSG implemented the Community Resilience Building Workshop, which was developed by The Nature Conservancy and partners over a decade ago. Community Resilience Building provides a friendly “anywhere at any scale” approach for developing community resilience action plans for municipalities. Community Resilience Building employs a unique community-driven process—rich with information, experience, and dialogue—where participants identify top hazards, current challenges, strengths, and priority actions to improve their community’s resilience to all natural and climate-related hazards today and in the future. For more information, visit the [Community Resilience Building Workshop](#) website.

Although this process has been tried, tested, and is trusted by over two hundred communities across seven states, customization was needed to fit the goals of this project and needs of the Village of Sodus Point. Customizations include:

- implementing the NYSG New York’s Great Lakes Coastal Resilience Index (CRI) in preparation of the workshop,
- truncating the workshop portion of this process to allow participants sufficient travel time, and
- focusing on a single threat (coastal-flooding) and three community sectors: economic development/tourism, environment, and infrastructure (societal systems were treated as a crosscutting theme).

The Post-Flood Recovery Building/Visioning Workshop (Visioning Workshop) is what was developed.

Development of the Project Team

Given the need for expertise in a number of areas, a Project Team was developed. This team met four to six times over the course of the project year and assisted the project leads in identifying stakeholders to participate in the Community Resilience Building Workshop; participated in the workshop; and reviewed workshop outcomes, as well as this report.

Name	Affiliation	Title	Expertise
Jayme Thomann	G/FLRPC	Senior Planner	Project Co-Lead
Mary Austerman	NYSG	Coastal Community Development Specialist	Project Co-Lead
Christine Worth	Wayne County Tourism	Director	Economic Development / Tourism
Lindsey Gerstenslager	Wayne County Soil & Water Conservation District	Director	Environment
Kevin Rooney	Wayne County Highway Department	Superintendent	Infrastructure
Maxine Appleby	Village of Sodus Point	Trustee	Community Representative
Bret DeRoo	Wayne County Economic Development & Planning	Senior Planner	Planning
Rob Breen*	New York State Department of State (formerly)	Policy Analyst	
Shannon Dougherty*	New York State Department of Environmental Conservation	Watershed Coordinator	

** These individuals were not official members of the project team, but were kept informed of the process and project.*

Identification of Stakeholders for the Workshop

G/FLRPC and NYSG, with the project team, used the [Stakeholder Analysis Worksheet](#) (Appendix A: Workshop Stakeholder Identification Exercise), developed by the NOAA's Office for Coastal Management, to identify stakeholders to target for the Visioning Workshop. Having a process to analyze workshop participant suggestions from the team was helpful and ensured sufficient representation from an organization structure (e.g., agency, non-government organizations, business owners, community leaders, residents, etc.) as well as topical expertise to investigate the sectors of interest.

A list of all stakeholders was sorted by the three sectors of interest (e.g., economic development/tourism, environment, and infrastructure), and provided to the project team and Mayor,

who then voted for their top 10 stakeholders for each of the three sectors (Appendix B: Workshop Stakeholder List).

Pre-Workshop Characterization Meeting

To develop the characterization of the Village of Sodus Point for the workshop, G/FLRPC and NYSG reviewed existing planning documents and then met with village representatives on September 10, 2018 to work through the NYSG NY's Great Lakes Community Resilience Index (CRI). These findings were helpful to the project leads to characterize the community during the Visioning Workshop (Appendix C: CRI Pilot).

Visioning Workshop

The Visioning Workshop was held on October 30, 2018 at Marlin's Hand Crafted Food and Drink and Captain Jack's Good Time Tavern, which are adjacent businesses on Greig St, in the Village of Sodus Point. The workshop was attended by a mix of local residents, business owners, Village staff, Village and County department representatives, and topical experts with state and federal agencies, organizations, and academia. G/FLRPC and NYSG opened the workshop with a characterization of the Village and local impacts from the 2017 high water level event. Mayor Dave McDowell, business owner Tom Frank and long-time village resident Suzie Earl used their perspectives to frame a brief presentation about how they were each impacted by the event.

The group was divided into one of the three preassigned breakout groups. Facilitation teams of three: a facilitator, and two note takers (one to complete the group matrix, the other to capture the discussion). Project leads prepared breakout facilitation materials including instructions, scheduling, large base maps (water levels 247.3' and 249') of the village, smaller reference maps (water levels 247.3' and 249'), a large group matrix, and reference materials (characterization slides, existing plans, codes, CRI sector-specific findings, business directory, etc.).

Breakout groups completed the matrix by identifying the local features/assets/procedures that were impacted, their location and ownership, how they functioned, and action strategies to improve their function in the future.

After reconvening as a large group, the three matrices were reviewed. All attendees then voted on the actions of importance, resulting in a distilled matrix (Appendix D: Distilled Matrix). Project leads identified five themes that captured the top fourteen (14) actions, developed potential strategies for those themes, and presented them to the Village Board on December 20, 2018 for comment as well as further prioritization (Appendix E: Village Board Meeting Handout). Based on that feedback, G/FLRPC and NYSG further refined the priorities identified by the Village Board (see Recommendations, next page).

Recommendations

After the Visioning Workshop, G/FLRPC and NYSG presented fourteen (14) priority actions at the Village Board meeting on December 20, 2018. The Village Board reached consensus on several of the actions, described below and categorized into three major themes.

CREATE AN OUTREACH STRATEGY

Outreach Action – #1	Develop a formal local marketing and communications strategy.
Lead Department	Village of Sodus Point
Partners	Christopher Communications
Cost	Medium
Funding Sources	Village Budget
Narrative	Christopher Communications has been hired to create a communications approach that relays credible, timely information to business owners and craft ready-to-use messaging to be disseminated by key Village representatives and community partners.
Implementation Schedule	Current (as of August 2019)

Outreach Action – #2	Develop a local emergency response plan, separate from Wayne County.
Lead Department	Village of Sodus Point
Partners	Wayne County Emergency Management
Cost	Low
Funding Sources	Village Budget
Narrative	The Village is currently updating its emergency response plan, which includes outlining primary emergency response services and coordinating that response with public and private organizations and agencies.
Implementation Schedule	Ongoing

Outreach Action – #3	Develop a communications strategy to reach new and existing property owners.
Lead Department	Local Community Organization (e.g., Neighborhood Association of Sodus Point, Save Our Sodus)
Partners	New York Sea Grant, Wayne County Soil and Water Conservation District (WCSWCD)
Cost	Low
Funding Sources	Grant Funding
Narrative	Develop easy, fast way to communicate resources, learning and funding opportunities for area residents. For example, create an information package for when you buy a house in a low-lying area – “Welcome to Erosion.”
Implementation Schedule	Not Active

CLARIFY SHORELINE MANAGEMENT NEEDS

Shoreline Management Action – #1	Seek Coastal Erosion Hazard Area (CEHA) designation.
Lead Department	Village of Sodus Point
Partners	G/FLRPC, NYSG
Cost	Medium
Funding Sources	Grant Funding
Narrative	G/FLRPC, along with NYSG and the lab at the Department of Biological and Environmental Engineering, Cornell University, submitted an application to the Great Lakes Research Consortium (GLRC) Small Grants Program 2019 RFP to investigate how the Coastal Erosion Management Permit Program is administered in select communities along the Lake Ontario shoreline within the Genesee-Finger Lakes Region. The proposal was not selected for funding. However, G/FLRPC and NYSG approached the National Sea Grant Law Center to provide research regarding the New York Coastal Erosion Hazard Area (CEHA) Permit Program . Monroe County Department of Planning & Development's Land Use Decision-Making Training Program is hosting training for Fall 2019 on <i>Managing Regulatory Challenges and Tools for Great Lakes Shorelines</i> .
Implementation Schedule	Not Active

Shoreline Management Action – #2	Conduct a shoreline management study: (A) document existing techniques by shoreline reach, (B) investigate options for environmental permits, and (C) develop a set of recommendations for property owners.
Lead Department	(A) Village of Sodus Point (B) G/FLRPC and NYSG (C) NYSG and WCSWCD
Partners	
Cost	(A) Low (B) and (C) Medium to High
Funding Sources	(A) Village Budget (B) and (C) Grant Funding
Narrative	(A) Documenting existing shoreline management techniques in place. (B) G/FLRPC and NYSG are pursuing a workshop panelist discussion with the various federal and state agencies that have jurisdiction for activities affecting streams, waterways, waterbodies, wetlands, coastal areas, and/or sources of water. (C) Outreach targeting erosion management options and best practices for waterfront property owners.
Implementation Schedule	Ongoing

Shoreline Management Action – #3	Develop local best management practices for breakwall constructions; link to hardened structures.
Lead Department	
Partners	State and Federal Agencies; Researchers
Cost	Medium to High
Funding Sources	
Narrative	Determination of what elevation hardened structures should be built to.
Implementation Schedule	Not Active

DEVELOP TRANSPORTATION OPTIONS DURING STATE OF EMERGENCY

Transportation Action – #1	Fund and implement Circulation, Accessibility and Parking (CAP) study.
Lead Department	Village of Sodus Point
Partners	Genesee Transportation Council (GTC)
Cost	Medium
Funding Sources	Unified Planning Work Program (UPWP)
Narrative	<p>The GTC has not recommended that a CAP study be funded for the Village of Sodus Point. Instead, the current Active Transportation Plan (ATP) has been promoted for continued development. The purpose of this study is to develop an active transportation plan to guide improvement to the physical infrastructure for pedestrian and bicycle travel in the Village of Sodus Point. This includes connections to the Town of Sodus and beyond via the Seaway Trail and the NYS Route 14 bicycle route. The plan will provide recommendations for the transformation of the Village into a community that safely and equitably accommodates bicycle and pedestrian transportation. This context sensitive plan will aim to preserve, enhance and connect the scenic, aesthetic, historic, community and environmental resources while improving safety, mobility and infrastructure conditions. By identifying both mixed use on and off road trails and evaluating opportunities for a “complete highway” network along State Route 14 and Lake Road, the plan will provide recommendations that enhance the Village of Sodus Point as a livable community. As a representative Lake Ontario waterfront community, there may be opportunities to better integrate smart growth and hazard mitigation strategies for the Village of Sodus Point in the ATP.</p>
Implementation Schedule	ATP – Ongoing

Sodus Point
Post-Flood Recovery Project
August 20, 2018
Workshop Stakeholder Identification Exercise

Step One: Identifying Stakeholders

To address a community issue, identifying the people who will be involved or impacted is a good first step. Generating that stakeholder list, however, can be complicated. Use the table below to simplify this task.

Stakeholder Category	Stakeholder (name of group or individual)
Those who are or will be directly affected by Lake Ontario flooding	
Those with decision-making authority or other sources of influence	
Those who have resources or skills that may be needed related to flood mitigation and recovery	
Those who will be implementing the workshop action items	
Those who will actively oppose or attempt to derail flood resiliency planning	
Those who will actively support or promote the reduction of flood vulnerability of Sodus Point	

Step Two: Stakeholder Analysis

Once the stakeholders have been identified, a simple stakeholder analysis will provide the information needed to design an effective participatory process. To get this information, complete the chart below.

Stakeholder (Name of group or individual)	Interests (What are their biggest concerns?)	Position (What outcome is a “win” for them?)	Influence (Do they have special power in the situation?)	Involvement (What level of participation do you predict?)	Community Sector Breakout

APPENDIX B: WORKSHOP STAKEHOLDER LIST

Stakeholder name	Affiliation	Title	Sector Breakout(s)	Email
ECONOMIC/TOURISM				
Christine Worth	Wayne County Tourism			
Suzie Earl	Sodus Point Resident		Economic/Tourism	pearl001@rochester.rr.com
Joellen Arney	Arney's Marina	Owner	Economic/Tourism	arneys@hotmail.com
Mike Cork	Sodus Point Resident		Economic/Tourism	
Jim Eckler	NYSDEC	Region 8 Wildlife	Economic/Tourism	
Dale Pickering	Town of Sodus Highway Department		Economic /Tourism	the__mgt@hotmail.com
Vinnie Esposito	Finger Lakes Economic Development Council		Economic /Tourism	Vincent.Esposito@esd.ny.gov
Rob Breen	NY Department of State		Economic/Tourism	Riobart.Breen@dos.ny.gov
Sharon Lilla	Village of Sodus Point Grant Writer		Economic/Tourism	sharontlilla@gmail.com
Shannon Dougherty	DEC GL Unit		Economic/Tourism	shannon.dougherty@dec.ny.gov
Diane Keuhn	IJC	IJC Board of Control		dmkeuhn@esf.edu
Kelly Gray	Village of Sodus Point EDC	Hots Point	Economic/Tourism	hots.point@yahoo.com
Ted Welter	Private homes as vacation rentals	Owns rentals in Sodus Point	Economic/Tourism	tw@WelterRealty.com
Cathy Contant	Sodus Point Resident		Economic	ccontant@gmail.com
Fred Lindenhovious	Sodus Point Resident		Economic/Tourism	fredrik.lindenhovius@gmail.com
Sharon Sill	Sodus Point Resident / Business Owner Docks		Economic/Tourism	
Dave White	NY SEA Grant	Recreation & Tourism Specialist	Economic/Tourism	ddgw9@cornell.edu

Steve LeRoy	Town of Sodus; Wayne County Board of Supervisors	Supervisor; Chairman	Economic/Tourism	smleroy@rochester.rr.com
Kathy Madison	Neighborhood Assoc		Economic/Tourism	kathymadison11@gmail.com
John Reynolds	Neighborhood Assoc			jtr8815@gmail.com
Tom Johns	ZBA Chair	ZBA Chairman	Economic/Tourism	johnseyt@aol.com
Tom Haag	John Katko's Office			Thomas.Haag@mail.house.gov
Laurie Hayden	Methodist Church	ZBA	Economic/Tourism	lahayden5@hotmail.com
Ryan Williamson	Fishing Charters	Fishin Magic'n Charters	Economic/Tourism; Environment	
	National Guard		Economic/Tourism	
John Hayslip	Sodus Point Resident		Economic/Tourism	jhayslip@rochester.rr.com
	NY Rising		Economic/Tourism	
Doug Cleveland	Katlyn Marina	Owner	Economic /Tourism	doug@katlynnmarine.com
Devon Holdraker	Sodus Point Resident		Economic /Tourism	dholdraker@gmail.com
Tim Wizeman	Wayne County Highway Department		Economic /Tourism	TWizeman@co.wayne.ny.us
Marty Aman	Wayne County Water and Sewer Authority		Economic /Tourism	maman@wcwsa.org
Brian Pincelli	Wayne County Planning/Economic Development Committee		Economic/Tourism	bpincelli@co.wayne.ny.us
Tom Frank	Captain Jacks Marlins		Economic/Tourism	tomfrank53@gmail.com
Steve Harbecker	Krenzer Marina		Economic/Tourism	shhkmi@yahoo.com
Pam Helming	NYS Senate 54th District	Senator	Economic/Tourism	helming@nysenate.gov
Matt Smith	Eco-Tech Construction		Economic/Tourism	
Jerry Karczewski	Bed & Breakfasts	Carriage House Inn Bed & Breakfast	Economic/Toursim	carriagehouseinn1@gmail.com
Art Putnum	Sodus Point Resident	Dock Installer	Economic/Tourism	
Mike Munger	Sodus Bay Heights Golf Course		Economic/Tourism	

	SUNY ESF		Economic/Tourism	
	SU EFC		Economic/Tourism	
Khrist Dodson		Associate Director	Economic/Tourism	

ENVIRONMENT

Bob DeWolf	Sodus Point Resident	new Board member	Environment	bdewolf1@rochester.rr.com
Maxine Appleby	Village Trustee		Environment	maxinerappleby@gmail.com
Rick Bond	Wayne County Fire Coordinator		Environment	RDBond@co.wayne.ny.us
Lindsey	Wayne County SWCD		Environment	Lindsey@wayneNYswcd.org
Bill Werick	International Joint Commission		Environment	Bill@Werick.com
Tom Johns	Sodus Point Resident; ZBA		Environment	kathajohns3@gmail.com , johnseyt@aol.com
Alice Bill	Sodus Point Resident		Environment	abill@rochester.rr.com
Dave Williamson	Sodus Point Resident		Environment	dwilliamson@keys-energy.com
Tom O'mara	NYS Senate Out of District	Chair of Environmental Conservation Committee	Environment	omara@nysenate.gov
Greg Morely	FEMA		Environment	
Kass Vande	SP resident		Environment	kvande@rochester.rr.com
Mark Costich	Sodus Point Resident	Costich Engineering	Environment	
Tim Mayo	Sodus Point Resident			spbikes@rochester.rr.com
Tom Haley	NYSDEC	Region 8 Permits	Environment	thomas.haley@dec.ny.gov
Mike Snyder	NY Department of State		Environment	michael.snyder@dos.ny.gov
Amy DeGaetano	DOS Coastal Resources Specialist		Environment	Amy.DeGaetano@dos.ny.gov
Brian Frey	Wayne County Highway Department		Environment	bfrey@co.wayne.ny.us
Scott Steinschneider	Cornell University		Environment	ss3378@cornell.edu

Meredith A Beckner Perr	Syracuse University Environmental Finance Center	Program Manager	Environment	maperrea@syr.edu
David Klein	The Nature Conservancy	Senior Field Rep	Environment	dklein@TNC.ORG
Debbie Smith	Crescent Beach Association		Environment	
Laurie Crane	Town of Huron	Supervisor	Environment	townsupervisor@townofhuron.org
	USFWS		Environment	
	US Coast Guard	Chief	Environment	
Don Zelazny	DEC GL Unit		Environment	donald.zelazny@dec.ny.gov
	DEC R8 Fisheries		Environment	
Greg Boyer	SUNY ESF		Environment	glboyer@esf.edu
Gene VanDuesen	Wayne County Federation of Sportsmen's Clubs, Inc.			gvandeusen@dynalec.com
Jesse Lepak	New York Sea Grant	Great Lakes Fisheries and Ecosystem Health Specialist	Environment	

Infrastructure

Dave McDowell	Village Of Sodus Point	Mayor	Infrastructure	dmcdowell@soduspoint.info
Kevin Rooney	Wayne County Highway Department		Infrastructure	krooney@co.wayne.ny.us
George Bastedo	Wayne County Office of Emergency Mangement	Director	Infrastructure	gbastedo@co.wayne.ny.us
Mary Binder	NYSDEC	Flood HUB	Infrastructure	mary.binder@dec.ny.gov
Larry Monheim	Sodus Point Resident		Infrastructure	
Terry Wolf	Sodus Point Resident		Infrastructure	Terry@wolfes.us
Al Hendricks	Sodus Point Resident	Town Of Sodus CEO	Infrastructure	Not good with email

Tim Mayo	Sodus Point Resident			spbikes@rochester.rr.com
Chris Tertinek			Infrastructure	cmt@rochester.rr.com
Jack Steinkamp	Resident; Shoreline Contractor	R& K Construction	Infrastructure	loranet@rochester.rr.com
Kevin Druschel	Village of Sodus Point	Code Enforcement Officer	Infrastructure	ceo@soduspoint.info
Mike Perce	SP Highway		Infrastructure	
Phil Stitzinger	USACE			philip.c.stitzinger@usace.army.mil
Stevie Adams	The Nature Conservancy	Freshwater Specialist	Infrastructure	sadams@tnc.org
Pam Heald	Banks/lenders	Reliant Community Credit Union	Infrastructure	pheald@reliantcu.com
Patrick Coyle	Homeland Security		Infrastructure	patrick@coyle@dhes.ny.gov
Mark Jones	Sodus Point Fire Department; with wate department		Infrastructure	
Mike Sullivan	Sodus Point Resident		Infrastructure	mfs8639@gmail.com
Ernie Smith	Sodus Point Resident		Infrastructure	
Nancy Karasinski	Sodus Point Resident		Infrastructure	
Michael Uitulugt/ Josh U	US ACE		Infrastructure	
Louise Olsheski	Resident on numbered streets and cotatage on Crescent Beach		Infrastructure	lolcsw@ptd.net
Barry Virts	Wayne County Sheriff's Office	Sheriff	Infrastructure	BVirts@co.wayne.ny.us
Bill Kallusch	Village Trustee/Ambulance		Infrastructure	jockamo01@yahoo.com
Ann Hayslip	Planning Board	Chairwomen of Planning Board	Infrastructure	ahayslip@rochester.rr.com
Dave LeRoy	Town of Sodus			dleroy652@gmail.com
Mike Crandall	Wayne County Highway Department		Infrastructure	

Pat Meredith	NYS DOT		Infrastructure	Patrick.Meredith@dot.ny.gov
Bob Oaks	NYS Assembly 130 District	Assemblyman	Infrastructure	oaksr@assembly.state.ny.us
Roy Widrig	New York Sea Grant	Coastal Processes Specialist	Infrastructure	
Dick Conant	Non-restaurant Business Owners	Sodus Point Fudge and Gifts	Infrastructure	rconant@rochester.rr.com ; dickrconant@rochester.rr.com
Jessica Eckerlin	Syracuse University Environmental Finance Center	Program Manager	Infrastructure	
Frank Sciremammano				fnseme@ritvax.isc.rit.edu : fes@rochester.rr.com

APPENDIX C: CRI PILOT

Critical Infrastructure and Facilities	Benchmark Event	Credible Worst Case Scenario	Infrastructure or facility functions after disaster	Notes:
	Scenario 1	Scenario 2		
	Water Level: 244.4'	Water level: 248.7'		
Example: Power grid	x		x	
Section A: Critical Infrastructure				
Wastewater treatment system		X	X	Threat for evacuation
Power grid		X	X	Sands Point
Public water supply				
Transportation/evacuation routes		X	X	Greig St, Wickham Blvd, & Sill Rd (inundated); Route 14 (undermining)
Large-scale shoreline protection (i.e., breakwater, breakwall, etc.)		X		residential; ACE breakwall
Others (list):				Floating debris impacted emergency response
Total check marks for Section A:	0	4	3	
Section B: Critical Facilities*				
Municipal Hall				
Municipal Department of Public Works				
Critical record storage				
Other government building(s) (list):				
Police station or other law enforcement building(s)				
Fire station(s)				
Communications (i.e., phone, Internet, etc.) main office or substations				This is a need; during the event: Sat AM meetings; 2 meetings/day; website and e-blasts
Emergency operation center				Highway barn; County OEM; Sherrif substation (on-site)
Evacuation shelter(s)				High school gym
Hospital(s)				
Vulnerable populations (i.e. daycares, group homes, etc.)		X		Village doesn't know of any; sand bagging is an issue because of aging population and seasonal homes (need legislature that gives the Village the ability to do it
Hazardous materials facilities (gas stations, marinas with fuel or other hazard materials, etc.)		X		Marinas

Abandoned, deteriorated, or underused sites and buildings		X		All mapped by the Village (2 commercial; 3 residential); hoping they are demolished in fall 2018
Total check marks for Section B:		3		

Transportation issues	Yes	No	Notes:
<i>Ex: Will flood-prone areas (roads, low-lying areas) be operational within one week?</i>			
Will primary bridge(s) be out for less than one week?	X		First Creek
Will roads blocked by storm debris (trees, trash, etc.) be cleared in less than one week?	X		Village staff can't clear roads and repond to flooding
Will washouts (roads) be passable in less than one week?		X	Greig St
Will flood-prone areas (roads, low-lying areas) be operational within one week?		X	
Is public transportation available to assist evacuation of residents unable to leave on their own?			Not established in the Village but possible
Is there more than one evacuation route?		X	By waterway
Is there a plan for post-storm/event traffic management?		X	
Other (list): Boat traffic; no wake law; dangerous conditions			
Total number of Yes answers and No answers:	2	4	

Community Plans & Agreements community:	Does your	Yes	No	Notes:
<i>Example: Have a certified floodplain manager?</i>				
Participate in the FEMA Community Rating System?			X	
Use an early flood warning system?		X		
Have a floodplain manager/administrator certified by the Association of State Floodplain Managers (ASFPM)?			X	
Have planning/ZBA boards with formal training in planning?		X		Mandatory four hours of training per year for each planning board and zoning board member in NYS
Have staff (i.e., planning, CEO, building inspector, building department) with credentials from the American Institute of Certified Planners (AICP)?				
Have FEMA-approved and New York State Division of Homeland Security & Emergency Services (DSHES)-approved All-Hazard Mitigation Plan (AHMP)?		X		Wayne County Multi-Jurisdictional All-Hazard Mitigation Plan Update (2014)
If you have an AHMP, has it been revised in the past two years?			X	
If you have an AHMP, does it include climate projections?			X	
Have Memoradums of Understanding or Memorandums of Agreement with neighboring communities to help each other during times of disaster?		X		Wayne County EMO; Town of Sodus
Participate in the Code Enforcement Disaster Assistance Response (CEDAR) Program?			X	
Have a comprehensive plan or strategic plan that addressses natural disasters?				
Have a floodplain manager or CEO/Building Inspector who participates in the following organizations:				
Association of State Floodplain Managers or NYS Floodplain and Stormwater Managers Association?			X	
American Planning Association (APA) or New York Upstate APA?			X	
American Society of Civil Engineers (ASCE) or state or local section ASCE?			X	
American Public Works Association?			X	
NYS Building Officials Conference?		X		
Total number of Yes answers and No answers:		5	9	

Mitigation measures in place	Yes	No	Notes:
<i>Example: Relocation of buildings and infrastructure</i>			
Relocation of buildings and infrastructure from flood-prone areas		X	
Flood-proofing of nonresidential structures		X	
Education programs about mitigation options for your community	X		Village website
Acquisition of repetitive loss structures, infrastructure or property		X	
Incentives-based mitigation measures	X		
Adoption of the most recent International Building Codes			
For NYS this is the 2015 IBC/IRC	X		
Hiring certified building inspectors	X		
Staffing an adequate number of people to enforce building codes	X		
Have completed or planned shoreline restoration projects for critically eroding areas	X		
Require the protection and maintenance of sensitive coastal habitats, ecosystems, and natural features (dunes, barrier bars/beaches)		X	
Require the protection and maintenance for areas of historical/cultural significance		X	
Have undeveloped public lands such as parks, forests or preserves in the coastal hazard areas (Coastal A Zones)	X		County Park, Willow Park
Total number of Yes answers and No answers:			

Business equipment/plans	Yes (50% or more)	No (Less than 50%)	Notes:
<i>Example: Generators</i>			
Generators			
Backup options for basic needs (water, sewer, food and communications)			
Plans to bring in staff to help reopen business			
Plans for restocking			
Plans for ice distribution			
Total number of Yes answers and No answers:			

Social system category	Yes	No	If yes, describe relationship	Notes:
<i>Example: Strong faith-based networks</i>	x		<i>Church networks</i>	
Strong faith-based networks (counted on during a disaster)	X		Methodist Church fed volunteers, year-round participation	
Cultural identity (unified Hispanic, Asian or other ethnic communities)		X		
Neighborhood associations that support members in times of need	X		Neighborhood Association of Sodus Point, Save Our Sodus, Lakeview Property Owners Association	
Business cooperative or working relationships (industries that employ many residents, Chamber of Commerce, other business-related networks, etc.)		X		
Strong civil organizations (Kiwanis Club, Rotary Club, etc.)	X		Rotary Club	
Active community center	X			
Total number of Yes answers and No answers:	4	2		

APPENDIX D: DISTILLED MATRIX

Team and VB Ranking	Sector	Workshop Stickers / Votes	Asset/Feature/ Process	Action	Comments	Flood Resilience Recommendations
	EcoDev/ Tourism	37	Marketing: media, messaging	Form "Chamber of Commerce group": coordinated communication strategy around flooding but still open for business; Main Street Program as a model	In response to a need for marketing; possible connections to explore: Seaway Trail, County Tourism, Regional Economic Development Councils	Strategic approach to messaging and communication is needed; a Chamber of Commerce or Village-wide communications group/communication director. Business council?
	EcoDev / Tourism	24	Public safety versus business revenue	Emergency Responses Communication: meaning when state and federal agencies get involved, there is a need for better communication with local level	Establish working group, identify procedures, unified communication; Aggressive policing on water, harrassment	Development of local all-hazard emergency operations plan. Development of harbor management plan - define relationship between Coast Guard and Wayne County Sheriff.
	EcoDev / Tourism	21	Municipal expenses	Reconfigure sewers, identify funds		Completed Costich study.
	EcoDev / Tourism and Infrastructure	9	Parking and navigation	CAP plan/Genesee Transportation Council	In response to parking issues and traffic flow during the flood; used orange sticker system	Issue of public safety and the need to enforce road, business, beach, and other closures was at odds with the tourism economy in the village, which relies on summer visitors. How to generate positive economic growth that is compatible with adaptive measures--e.g., using some tourism revenues to fund adaptation measures?
	Environmental	36	Erosion	Erosion: Huron and/or Town of Sodus develop park on Crescent Beach; east Pier is in rough shape but nothing the Village can do	Crescent Beach Park would open up funding for shoreline management and is in the Intermunicipal Plan	Address erosion at East Pier, address erosion at breach in Crescent Beach, pursue Coastal Erosion Hazard Area (CEHA) community designation
	Environmental	25	Long-term planning and readiness	Long-term Planning: Identify funding sources - regional approach, sync timing of funding, partnership awareness information, develop plan for breach of East Pier and Crescent Beach	Post-2017 Flood County OEM has established proactive flood meetings; Great Sodus Bay Watershed Intermunicipal Committee might be good group to use this effort, Climate Smart Communities and CRS to start developing resilience recommendations	Intermunicipal planning process for shorelines; could be done under revision/update to the LWRP. Reengage the Great Sodus Bay Watershed Intermunicipal Committee.
	Environmental and EcoDev / Tourism	9	Crescent Beach	Communication to Crescent Beach residents and provide access to municipal plan and other resources: Easy, fast way to communicate funding opportunities/resources, create discussion group	Enable homeowners to make informed discussions; also might be an opportunity to educate realtors about waterfront properties	Provide guidance, more workshops on what is available. Information package for when you buy a house in a low-lying area; "Welcome to Erosion." Annual workshop with residents when part-time residents are in town.
	Environmental	8	Fisheries	Access - improve/removable gangways (work with Town of Sodus to put in public docks), monitoring health of fishery (data collection), add access points in LWRP plan, quantify size of problem and needs supporting services	DEC follow-up on data collection (SUNY-ESF)	Assess, design, and provide access to fishers during high-water events.
	Environmental	8	Hardened shorelines	Erosion: hardened shorelines; requires collaborative/comprehensive approach (equity), continue to sustain fishery/ecosystem services	Lake bluff \$1M shoreline protection (3 homes), permitting/liability, issues/costs; Village would like to know what elevation structures should be built to (MA in discussion with Steinschneider on this)	DEC and ACOE to provide specifications and plans for structures that will last. Gain local permitting of shoreline protection measures.
	Infrastructure	23	Wastewater system	Wastewater System: Waterproof manholes and lift station, identify discharge pipes/flap or plugs	Waterproof manholes was completed in 2018; discharge plugs/flaps or plug should be done but isn't being done; one issue is that difficult to get bids because small projects (b/c small community)	Finish water proofing the wastewater system in the village. (Don't have a current bid to raise the lift stations.)
	Infrastructure	11	Breakwalls	Breakwalls: Raising, taking out, need to figure out the rules, "Ring of protection"	Design guidelines exist, rules based on who's looking at it, "evolving thinking"	Not a design guidance issue, it is more about unclear rules. Different people at DEC look at it differently, the evolving thinking at DEC catches residents in the middle. DEC standard?
	Infrastructure	24	Storm drains; drainage systems	Storm drains/drainage systems: Need raising at 249, needs to be 251+, design for drainage - stop surcharge but also stormwater discharge, ? that can be used as pump flaps added to combat surcharge	Major issue - surcharge, ownership of assets - issue - current study, no records/surveys -underwater surcharge	Now have plugs. Confounding factor though is that if system is plugged, there's nowhere for stormwater to go. Sump pumps/outfalls that terminate in the wrong place. Talked about doing smoke testing. Would be a code enforcement issue, need to find out if there are illegal discharges. Usually there's room to dissipate in a lawn, but here, lots are small and saturated, no place for water to go.
	Infrastructure	9	Village meetings	Saturday Morning Flood Village Meetings: "Those that wanted the knowledge got it" ? Meetings, supervisors meetings, putting in local supervisors	Cost tracking measurements/records need to be improved, codified, crisis manament system, set-up events, have cost trading in-place, field usable - must be mobile, Web EOC	Command Post needs "total visibility." Policy in place to check in with Command Post, but at some points not adhered to. Location of Command Post was inconvenient, it was at the Sheriff's cottage. Perhaps need Sheriff's mobile command unit at entrance of town, other location like village hall. Need to codify/formalize a local emergency response plan.
	Infrastructure & EcoDev / Tourism	16	Traffic flow through Village during State of Emergency	Traffic Flow during Flood: Orange sticker system	Works well when Sheriff is there to enforce.	Limited parking once sandbags/piping in place -- everywhere in the Village, got really crowded, businesses had trouble -- no place to park with emergency crews, etc. Pipe running down roadside -- would do this differently -- put on sidewalk/private property instead, need to seek permission, bury in Marine business parking lot.

Project Background

Through funds provided by the Environmental Protection Fund under the authority of the New York Ocean and Great Lakes Ecosystem Conservation Act and by agreement with New York Sea Grant and the National Oceanic and Atmospheric Administration, G/FLRPC and NYSG have been awarded funding for the *Post-Flood Recovery Building Workshop for the Village of Sodus Point*.

This community-based stewardship and education activity will document lessons-learned from the high-water levels of the spring and summer of 2017 on Lake Ontario for the Village of Sodus Point in Wayne County. The record-high water levels are an indication that extreme weather can become a stressor for communities. As the means and extremes of climate hazards are observed, municipalities are beginning to consider the reduction of future risk into their planning and development goals to ensure that people, property, and infrastructure are not placed or rebuilt in harm's way.

Project Goals

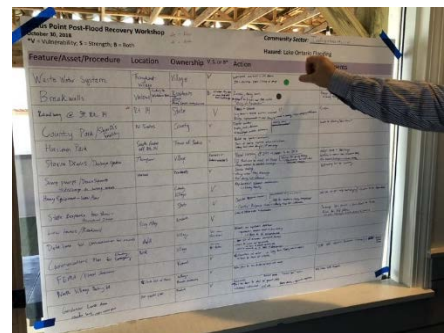
1. Define the flooding and erosion event
2. Identify existing and future vulnerabilities and strengths
3. Develop and prioritize actions for the community and broader stakeholder networks
4. *Identify opportunities for the community to advance actions to reduce risks and build flood resilience*

Village Board Presentation Goals

1. Share information about the project
2. Present priority actions identified at the public engagement workshop
3. Get Village Board consensus on ranking for the prioritized actions

Presentation of Priority Actions/Projects

A public engagement workshop was facilitated at Marlins/Captain Jack's on October 30, 2018. A broad group of stakeholders (Village residents and staff, county departments, various agencies, academics, and others) convened to identify the Village's assets, features, and processes and identify/prioritize actions to improve the Village's resilience to future lake flooding events. The priority actions/projects have been assembled and shared with you (*Distilled Matrix*).



The actions listed below are interpretations of actions/projects listed on the distilled matrix you received.



Post-Flood Recovery Building Workshop for the Village of Sodus Point:

Village Board Meeting
Thursday, December 20, 2018



- A. Asset/Feature/Process: Marketing/media/messaging
 - **Action/Project: Develop a formal local marketing strategy**
- B. Asset/Feature/Process: Public safety versus business revenue
 - **Action/Project: Develop a local emergency response plan, separate from the County plan**
- C. Asset/Feature/Process: Municipal expenses
 - **Action Project: Identify funds to implement stormwater study**
- D. Asset/Feature/Process: Parking/navigation
 - **Action/Project: Fund and implement Circulation, Accessibility and Parking (CAP) study**
- E. Asset/Feature/Process: Erosion
 - **Action/Project: Seek Coastal Erosion Hazard Area (CEHA) designation**
- F. Asset/Feature/Process: Long-term planning/readiness
 - **Action/Project: Update and implement Local Waterfront Revitalization Program (LWRP)**
- G. Asset/Feature/Process: Crescent Beach
 - **Action/Project: Develop a communications strategy to reach new and existing property owners**
- H. Asset/Feature/Process: Fisheries
 - **Action/Project: Update LWRP to include fisheries access recommendations while also promoting healthy coastal ecosystems to support fisheries habitat**
- I. Asset/Feature/Process: Hardened shorelines
 - **Action/Project: Shoreline management study (document existing techniques by shoreline reach, investigate all permissible options and develop a set of recommendations for property owners)**
- J. Asset/Feature/Process: Wastewater system
 - **Action/Project: wastewater study (map existing infrastructure, document state and recommend improvements)**
- K. Asset/Feature/Process: Breakwalls
 - **Action/Project: Develop local best practices for breakwall constructions; link to hardened structures (above)**
- L. Asset/Feature/Process: Storm drains/drainage systems
 - **Action/Project: Identify what an appropriate elevation for development is**
- M. Asset/Feature/Process: Village Meetings
 - **Action/Project: Document and enhance local communications strategy**
- N. Asset/Feature/Process: Traffic flow through Village during State of Emergency
 - **Action/Project: Part of parking/navigation (above)**



Post-Flood Recovery Building Workshop for the Village of Sodus Point:

*Village Board Meeting
Thursday, December 20, 2018*



Next Steps

December 20, 2018 – Convene the Sodus Point Village Board to review the final action list.

June 30, 2019 – Present draft Summary of Findings report to the Project Team.

July 31, 2019 – Finalization of the Summary of Findings report and general public presentation.

Project Website & Contacts

For more information, please visit: <http://www.gflrpc.org/postfloodrecovery.html>

- **Jayme Thomann**, Genesee/Finger Lakes Regional Planning Council (G/FLRPC): jbreschard@gflrpc.org
- **Mary Austerman**, NY Sea Grant (NYSG): mp357@cornell.edu