

Town of Scriba

## **Jurisdictional Annex**

### **Town of Scriba**

#### **1.0 Contacts**

The contacts for the Town of Scriba regarding this plan were identified as follows:

- Jim Oldenburg – Town Supervisor  
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Email: [scribasupervisor@gmail.com](mailto:scribasupervisor@gmail.com)
- Nick Saternow – Code Enforcement  
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- Michael Barry – Highway Superintendent  
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#### **2.0 Municipal Profile**

##### Population

The 2016 American Community Survey estimated that 6,706 people live in the Town of Scriba. The Town's population has decreased since the 2000 Census population (7,331) by 8.5% (U.S. Census Bureau, 2016).

##### Location

The Town of Scriba is located in the northwestern portion of Oswego County and is bordered by Lake Ontario to the north, the Town of New Haven to the east, the Town of Volney to the south, and the Town of Minetto and City of Oswego to the west. The Oswego River runs along the western border of the Town. State Route 104 provides direct access to the Town.

### Brief History

The Town of Scriba was incorporated in 1811 from Scriba's Patent. Settlement began in the late 1700s. The portion of the Town known as East Oswego was split from Scriba in 1848 to join the City of Oswego. The main industry in the Town's early years was agriculture, particularly apple orchards and dairy farming. Strawberries were also produced and shipped elsewhere, and muck farming became more popular later on. The establishment of the railroad and roadways led to further development within the Town. Many residents also worked on the Oswego Canal or Lake Ontario. During the 1960s, four (4) industrial plants, including the County's three (3) nuclear power plants (Exelon Nine Mile Point Units 1 and 2, and Entergy Nuclear), became established in the Town. These facilities are the primary employers in the Town today (Young, 2016).

### Governing Body

The Town of Scriba is governed by a five (5) member Town Board, led by the Supervisor.

### Future Growth

The Town of Scriba has had several developments proposed since the County's 2012 HMP. A low-income housing development (Champagne Commons) was proposed on City Line Rd and is under review by the planning board. There have also been discussions about establishing a new cemetery with a crematorium. The Town is also currently looking to work with the City of Oswego and/or Town of Minetto in order to expand their municipal sanitary sewer system. About sixty-eight (68) properties within the Town of Scriba are currently served by the City of Oswego's sanitary sewer system. In addition, Novelis expanded their manufacturing plant in 2012. The parcel on which the Novelis plant is located intersects the 100-year floodplain, but the plant itself is not located within a floodplain.

## **3.0 Hazard Vulnerabilities and Ranking**

### *3.1. Risk Assessment*

The following scale was developed to determine hazard vulnerability for the jurisdiction. Each event was given a ranking from one (1) through three (3) for the severity of impact based on extent, onset warning, impact in damages and injury, and frequency: three (3) represents the greatest impact (large area, no warning, severe damage, and regular occurrence); two (2) represents moderate impact (several locations, hours of warning, moderate damage, and infrequent occurrence); and one (1) represents low impact (one location, days of warning, minor damage, and rare occurrence). The scores for each of these four (4) categories were used to assign an overall vulnerability for each hazard, as follows:

- Low: 5 or less
- Moderate: 6 to 8
- High: 9 or greater

Table 1: Hazard Vulnerability by Event						
Hazard Event	Extent	Onset	Impact (Damages and Injury)	Frequency	Vulnerability Rank	Jurisdiction Rank
Flood	2	2	3	2	High	1
Severe Winter Storm	3	1	2	3	High	2
Ice Storm	3	1	3	2	High	3
Severe T-Storm/Wind/Tornado	3	1	3	3	High	4
Ice Jam	1	2	2	2	Moderate	5
Fire	1	3	1	1	Moderate	6
Wildfire	2	3	2	1	Moderate	7
Radiological Fixed	2	3	3	1	High	8
Radiological Transit	2	3	3	1	High	9
HAZMAT Fixed	1	3	1	1	Moderate	10
HAZMAT Transit	1	3	1	1	Moderate	11
Coastal Storm	3	1	2	2	Moderate	12
Earthquake	2	3	2	1	Moderate	13
Infestation	2	1	1	1	Low	14
Extreme Temps	3	1	1	3	Moderate	15
Explosion	1	3	2	1	Moderate	16
Oil Spill	2	3	2	1	Moderate	17
Structural Collapse	1	3	2	1	Moderate	18
Terrorism	1	3	3	1	Moderate	19
Transportation Accident	1	3	1	1	Moderate	20
Utility Failure	2	3	2	1	Moderate	21
Water Supply Contamination	2	3	2	1	Moderate	22

### 3.2. Critical Facilities

Critical facilities are defined as any facility that is critical for emergency response or that requires special emergency response in the event of hazardous incidents as identified by the Town of Scriba. The tables below denote the number and locations of critical facilities within the Town.

Table 2: Critical Facilities in the Town of Scriba

Facility Name	Address	Parcel Located in Floodplain	Structure Located in Floodplain
Public Utility			
Radio Towers	County Rt 51A	No	-
Dynegy Inc.	76 Independence Way, Oswego, NY 13126	100YR, 500YR	No
Radio Tower	101 Dutch Ridge Rd, Oswego, NY 13126	No	-
National Grid power line corridor	throughout Town	No	-
Cell Tower	634 Middle Rd, Oswego, NY 13126	No	-
Cell Tower	205 Nine Mile Point Rd, Oswego, NY 13126	No	-
National Grid Substation	off of CR 1A	No	-
Nine Mile Point Nuclear Station LLC	off of Lake Rd	No	-
Water System Pump Station	off of Dutch Ridge Rd	No	-
Water Tower	off of CR 176	No	-
Water Tower	off of NY-104	No	-
Water Tower	off of CR 51A	No	-
Verizon NY, Inc. Property	108 Churchill Rd, Oswego, NY 13126	No	-
Water Tower	off of CR-1	No	-
Municipal Services			
Oswego Co Highway Dept	31 Schaad Dr, Oswego, NY 13126	100YR, 500YR	No
Town Hall	42 Creamery Rd, Oswego, NY 13126	100YR, 500YR	No
Town Highway Garage	42 Creamery Rd, Oswego, NY 13126	No	-
Town Recreation Center	82 Creamery Rd, Oswego, NY 13126	100YR, 500YR	No
Town Justice Center	45 Creamery Rd, Oswego, NY 13126	100YR, 500YR	100YR, 500YR
Town Water Dept.	41 Creamery Rd, Oswego, NY 13126	100YR, 500YR	No
Oswego Co Highway Dept	31 Schaad Dr, Oswego, NY 13126	100YR, 500YR	No
Scriba Town Park	803 O'Connor Rd, Oswego, NY 13126	No	-
Sunset Bay Park	Lake Rd, Oswego, NY 13126	100YR, 500YR	100YR, 500YR
Emergency Services			
Scriba Fire Dept.	5618 NY-104, Oswego, NY 13126	No	-
Industrial			
Novelis	448 County Rt 1A, Oswego, NY 13126	100YR, 500YR	No
Exelon Fitzpatrick LLC	268 Lake Rd, Oswego, NY 13126	100YR, 500YR	No
Nine Mile Point Nuclear Station LLC	348 Lake Rd, Oswego, NY 13126	100YR, 500YR	No

## 4.0 Priority Hazard Events

The following sections details the fifteen (15) top priority hazard events identified by the jurisdiction. Additional information about County-selected hazards including frequency, history, and severity is included within Section 5.0 of the main body of the Plan.

The probability of climate-related hazard events is expected to increase in the future within the Town of Scriba. Climate change is expected to cause an increase in weather volatility, rising sea level, and greater temperature extremes.

Past occurrences of hazard events are indicated in their respective profiles below. Some hazards may not have locally available documentation of past occurrence, but were included in this annex for future mitigation planning consideration.

### 4.1 Natural Hazards

Natural hazards selected to be profiled for the Town of Scriba are described in detail below.

#### 4.1.1 Flood

For a description of this hazard, please see Section 5.1.2 of the main body of the Plan.

#### Hazard Vulnerability

The Town is predominantly drained by tributaries of Lake Ontario and is bordered to the north by the lake in the Lake Ontario drainage basin. FEMA's Flood Insurance Mapping Program designates areas that are at risk for flooding. Low flood risk are areas unlikely to flood, moderate risk are areas within the 500-year floodplain (0.2% likely to flood in any given year), and high risk are areas that frequently flood, up to the 100-year flood risk zone (1% likely to flood in any given year). Table 3 summarizes the amount of land within the Town of Scriba that is located within 100-year and 500-year floodplains and low-risk flood areas.

Table 3: Summary of Areas in Floodplains (Source: FEMA DFIRM 2011)			
Town of Scriba Total Area	Percent of Total Area		
	100-Year Floodplain	500-Year Floodplain	Area of Minimal Flood Hazard
26,105.9	10.33%	0.21%	89.46%

Table 4 below summarizes the value of properties in the Town of Scriba that are located within the 100-year floodplain and is categorized by land use type. This table was derived from FEMA floodplain mapping and parcel data from the Oswego County Real Property Tax Office.

Table 4: Parcels within to 100-year Flood Events and Their Estimated Structure Values				
Type of Structure	# Parcels in 100-Year Floodplain	Approx. Structure Value* in 100-Year Floodplain	# Parcels in 500-Year Floodplain	Approx. Structure Value* in 500-Year Floodplain
Agricultural	54	\$1,721,397	23	\$971,137
Commercial	17	\$3,532,411	6	\$1,357,787
Community Services	3	\$0	2	\$0
Industrial	5	\$12,900	0	-
Residential	544	\$46,009,761	276	\$26,461,106
Utility	7	\$991,894	3	\$519,718
Other**	242	\$1,161,887	109	\$935,700
Total	872	\$53,430,250	419	\$30,245,448
*Structure Value estimated by subtracting parcel's Land Assessed Value from Total Assessed Value (Oswego County Real Property Tax Office, 2018)				
**Includes parcels classified as vacant; recreational; and wild forest/conservation land/parks.				

### Historical Hazard Occurrences and Damage Estimates

According to NOAA's Storm Events Database, in the past ten (10) years, one (1) flood record was noted to specifically impact the Town of Scriba. This event occurred on 9/30/2010 and caused approximately \$5,000 worth of property damage. In addition, the Town Justice Center flooded a number of years ago.

As described in Section 6.0 of this annex, thirteen (13) NFIP claims have been filed to date. All claims have been closed. Ten (10) of these claims have been paid for a total of \$89,099.59 with the remaining three (3) closed without payment. There are no repetitive loss properties within the Town.

### Future Potential Impacts

Properties along the tributaries and shoreline of Lake Ontario and their tributaries are vulnerable to flooding. Multiple critical facilities are located on parcels that intersect the 100-year and/or 500-year floodplain. However, all structures but the Town Justice Center and Sunset Bay Park are located outside of the floodplain boundary (Table 2).

#### 4.1.2 Severe Winter Storm

For a description of this hazard, please see Section 5.1.4 of the main body of the Plan.

##### Hazard Vulnerability

Severe winter storms typically occur about eleven (11) times annually in Oswego County. These storms typically affect most or all of the County. The entire Town of Scriba is susceptible to damages from a severe winter storm event. The Town Public Works department clears Town streets during heavy snow events, and the Town works with the Oswego County Highway Dept. and NYS Dept. of Transportation for clearing of other roadways. Roadway safety is a major concern during severe winter storm events.

##### Historical Hazard Occurrences and Damage Estimates

The Town of Scriba has been affected by a number of county-wide severe winter storm events, described in Section 5.1.4 of the main body of the Plan. Severe winter storms typically occur several times annually in Oswego County. These storms typically affect most or all of the County. The NCDC does not report any winter storm records or damage estimates specific to the Town of Scriba.

##### Future Potential Impacts

The Town of Scriba will continue to experience severe winter storm events in the future. Severe winter storms are common throughout Oswego County and occur about eleven (11) times annually.

#### 4.1.3 Ice Storm

For a description of this hazard, please see Section 5.1.3 of the main body of the Plan.

##### Hazard Vulnerability

Historically, ice storms have occurred about once every seven (7) years in Oswego County. These storms typically affect most or all of the County. The entire Town of Scriba is susceptible to damages from an ice storm event.

##### Historical Hazard Occurrences and Damage Estimates

The Town of Scriba was affected by the three (3) county-wide ice storm events recorded by the NCDC, which are described in Section 5.1.3 of the main body of the Plan. No damage estimates or records related to ice storms are reported specifically for the Town of Scriba.



### Future Potential Impacts

The Town of Scriba will continue to experience ice storm events in the future, as will the rest of Oswego County. The Town Public Works department completes tree maintenance within Town road right of ways to minimize potential damages to overhead utility lines, which is common during ice storms. Private utility right of ways are generally maintained by the individual utility companies.

#### 4.1.4 Severe Thunderstorm, Wind, Tornado, Coastal Storm

For a description of severe thunderstorm, wind, or tornado events, please see Section 5.1.1 of the main body of the Plan. Coastal storms can cause increases in tidal elevations (called storm surge), wind speed, and erosion, caused by both extratropical events and tropical cyclones. Extratropical events including Nor'easters and severe winter low-pressure systems are more applicable to Oswego County. These non-tropical storms produce strong winds and heavy rain or snow, and can last for several days and affect a very large area.

### Hazard Vulnerability

The entire Town is susceptible to damages from a severe thunderstorm, wind, tornado, or coastal storm events. Fallen trees from severe winds can damage overhead utility lines, resulting in power outages. In addition, these events are likely to result in damages to private and public infrastructure and property.

### Historical Hazard Occurrences and Damage Estimates

In addition to the 101 severe storm events reported within Oswego County, the NCDC reports seven (7) wind, lightning, and hail events that occurred in the Town of Scriba in from 1994 to 2017 (Table 5). Actual damages were likely greater than those estimated by the NCDC.

Table 5: Severe Storm Event Records for the Town of Scriba				
Event Type	Date	Magnitude	Estimated Property Damage	Estimated Crop Damage
Thunderstorm Wind	7/8/2014	55	\$18,000	-
Hail	8/10/2008	1.25	\$10,000	\$10,000
Hail	8/10/2008	1.25	\$10,000	\$10,000
Hail	7/24/2008	1	\$5,000	\$5,000
Thunderstorm Wind	1/9/2008	50	\$8,000	-
Thunderstorm Wind	5/27/2001	50	\$15,000	-
Thunderstorm Wind	8/31/1995	0	\$6,000	-
Total			\$72,000	\$25,000

### Future Potential Impacts

Severe storms are a common event in the Town of Scriba and will continue to occur in the future. The frequency and magnitude of severe storm events may be increased due to climate change.

#### 4.1.5 Ice Jam

An ice jam is described as a large accumulation of ice in rivers or streams that interrupts the normal flow of water and often leads to flooding conditions and/or damage to nearby structures. Ice jam events typically occur from the early winter to late spring months and are often short-lived and often affect only a localized reach or area of a body of water. Freeze-up jams occur when waterbodies are beginning to freeze over during the early winter and do not typically result in significant floods. Break-up jams typically occur later in the spring when built up ice breaks or moves as it begins to melt or when water levels rise due to precipitation or snowmelt. Break-up jams often result in flooding and property damages.

### Hazard Vulnerability

In the Town of Scriba, an ice jam could occur along the Oswego River and other major tributaries to Oneida Lake (Figure 1). Areas that may incur damages due to an ice jam generally include properties within a 100-year or 500-year floodplain, as shown in Table 4 in Section 4.1.3.

### Historical Hazard Occurrences and Damage Estimates

In the winter of 2004, an ice jam occurred on the Oswego River causing the hydroelectric dam gates to freeze and a subsequent rise on Oneida Lake and the Seneca River.

### Future Potential Impacts

The Oswego River will continue to pose risks of ice jams in the Town of Scriba. In the future, ice jams may occur more frequently due to climate change.

#### 4.1.6 Wildfire

A wildfire is an uncontrollable combustion of trees, brush, or grass involving a substantial land area which may have the potential for threatening human life and property. Wildfires often begin unnoticed and spread quickly and are usually signaled by dense smoke that fills the area for miles around. In Oswego County, past occurrences of wildfires were caused by open burning.

### Hazard Vulnerability

The Town of Scriba is moderately susceptible to a wildfire. The Town contains forested cover and also has a large number of agricultural properties. A wildfire event could impact a moderate amount of the Town and would come with little to no warning. The Town of Scriba experienced 1.4 to 3.4 wildfires per square mile between 2003 and 2017 (see Figure 5.9, Appendix A of the main body of the Plan).

### Historical Hazard Occurrences and Damage Estimates

There are no historical records or damage estimates of wildfires within the Town of Scriba. Previous wildfire events within Oswego County were generally caused by open burning during dry weather. The NYSDEC implemented a statewide open burn ban in 2010, which has helped reduce the number of wildfires throughout the state. Wildfires generally do not cause significant property damages as they tend to occur in undeveloped portions of the County. Crop damage is more likely to occur. However, the jurisdiction or County would likely incur significant costs associated with firefighting and other emergency response needs.

### Future Potential Impacts

The Town of Scriba is largely undeveloped and remains susceptible to wildfires, though the risk is relatively low. The statewide open burn ban is expected to remain in effect, which lessens the risk of wildfires.

## 4.1.7 Earthquake

An earthquake is a sudden motion or trembling that is caused by a release of strain accumulated within or along the edge of Earth's tectonic plates. They usually occur without warning and after just a few seconds can cause massive damage and extensive casualties. The most seismically active regions in New York State are in the Adirondacks and near the Canadian border along the St. Lawrence River followed by the New York City and the Buffalo, Niagara, and Attica regions.

### Hazard Vulnerability

Earthquakes are a rare occurrence, and there are no records of earthquakes originating in Oswego County. An inactive fault line runs underneath the county. Earthquakes originating in other portions of the state have been felt in Oswego County. The Town of Scriba is moderately susceptible to a potential earthquake event, due to the lack of warning and moderate extent and damages associated with this hazard.

### Historical Hazard Occurrences and Damage Estimates

There are no historical records of earthquakes occurring in the Town of Scriba. The Town of Amboy, which is approximately twenty-six (26) miles southeast of the Town, experienced damages to their fire station due to an earthquake originating in Au Sable Forks on April 20, 2002. An earthquake has the potential to cause hundreds of thousands of dollars in damages.

### Future Potential Impacts

The Town of Scriba is susceptible to future earthquake events affecting Oswego County. However, earthquakes are expected to remain a rare event in Oswego County and pose a very low risk to the County and its jurisdictions.

#### 4.1.8 Infestation

An infestation is defined as an excessive population of insects, rodents, or other animals requiring control measures due to their potential to carry diseases, destroy crops, or harm the environment.

### Hazard Vulnerability

The Town of Scriba is moderately vulnerable to an infestation due to this hazard's moderate extent and moderate impact potential. Emerald ash borer is of primary concern. The majority of the Town of Scriba consists of forested land. Ash trees comprise approximately 7-15% per total basal area of forests in the County according to the NYSDEC (Figure 5.8, Appendix A of the main body of the Plan), which are susceptible to emerald ash borer infestation.

### Historical Hazard Occurrences and Damage Estimates

The Town of Scriba is just outside the current emerald ash borer restricted zone defined by the NYSDEC, bordering the Town of Volney. The restricted zone in NYS generally encompasses the currently infested area (as of May 2017). Southern Oswego County is within the restricted zone and it is plausible that emerald ash borer could migrate to jurisdictions north of the current infested area. The transport of ash tree materials (wood, logs, untreated firewood, nursery stock, and wood chips) outside of the restricted zone is prohibited to prevent the spread of emerald ash borer. In addition, the NYSDEC prohibits the import of firewood into NY State unless it has been heat-treated to kill emerald ash borer and other pests. In addition, untreated firewood originating anywhere in NY State cannot be transported more than fifty (50) miles from its origin.

### Future Potential Impacts

Emerald ash borer is likely to continue to spread throughout Oswego County. The Town of Scriba has a large amount of forested land, and is likely to be susceptible to increased tree damage from the emerald ash borer.

#### 4.1.9 Extreme Temperatures

For a description of this hazard, please see Section 5.1.5 of the main body of the plan.

### Hazard Vulnerability

Historically, extreme cold events have occurred about every other year in Oswego County. These events typically affect most or all of the County. The entire Town of Scriba is susceptible to an extreme temperature event. Vulnerable populations, including people under the age of five (5) or over the age of sixty-five (65), along with low income populations and people with health problems are most vulnerable. The Town was determined to have a moderate vulnerability to extreme temperature events due to their widespread nature, and relatively common occurrence.

### Historical Hazard Occurrences and Damage Estimates

The Town of Scriba was affected by the county-wide extreme cold events recorded by the NCDC, which are described in Section 5.1.5 of the main body of the plan. No damage estimates or records related to extreme temperature events are reported specifically for the Town of Scriba. Extreme temperature events are unlikely to cause significant property damage, though crop damages are possible depending on the time of year. Significant injuries or loss of life due to extreme temperature events are possible, but in small numbers.

### Future Potential Impacts

The Town of Scriba will continue to experience extreme temperature events in the future, as will the rest of Oswego County. Extreme temperature events are likely to increase in frequency due to climate change. The Town has emergency shelters established, several of which are designated warming stations that residents may use during extreme cold events.

## 4.2 Technological Hazards

Technological hazards selected to be profiled by the Town of Scriba are described in detail below.

### 4.2.1 Fire

#### Hazard Vulnerability

The Town of Scriba had a moderate vulnerability ranking for fires. These events tend to be more localized, affecting one (1) to several structures at a time. However, there is little to no warning and substantial structural damages and injuries or deaths are likely to occur.

#### Historical Hazard Occurrences and Damage Estimates

Structural fires occur occasionally within the Town, which have the potential to cause significant injuries or loss of life, and hundreds of thousands of dollars in damages.

#### Future Potential Impacts

The developed portions of the Town of Scriba, particularly along main roadways, remain susceptible to structure fires.

### 4.2.2 Radiological Fixed/Transit Sites

#### Hazard Vulnerability

A fixed-site radiological incident could occur at the Exelon Fitzpatrick Nuclear Power Plant or Ninemile Point Nuclear Power Plant which are located at the northern border of the Town, near Lake Ontario. Additional, transportation of materials to and from these sites could expand the impact along major highways. An accident at either nuclear plant would affect residents in the Town of Scriba.

#### Historical Hazard Occurrences and Damage Estimates

There are no available records for radiological fixed site events in the Town or Oswego County. The Town of Scriba elected to profile this hazard due to the nearby nuclear power plants and potential for numerous injuries or loss of life to occur.

#### Future Potential Impacts

The Town remains susceptible to radiological fixed-site events, though the risk is low.

### 4.2.3 HAZMAT Fixed and Transit Sites

#### Hazard Vulnerability

A fixed-site hazardous materials incident could occur at sites that store petroleum products or other chemicals for industrial or commercial use. The NYSDEC lists one (1) petroleum bulk storage (PBS) site as active in the Town of Scriba (Figure 1). If a large petroleum or chemical spill were to occur at any of these locations or during transport of materials to and from these locations, nearby properties may need to be evacuated to prevent human exposure and facilitate cleanup.

#### Historical Hazard Occurrences and Damage Estimates

There are no available records for major HAZMAT events specifically in the Town of Scriba. The Town elected to profile this hazard due to the presence of hazardous material storage facilities that store or use hazardous materials.

#### Future Potential Impacts

The Town remains susceptible to fixed and transit-site hazardous material events, though they are a rare occurrence. Properties close to bulk storage facilities that store petroleum products or chemicals are at the most risk of being affected by a fixed-site hazardous materials incident.

## 5.0 Capability Assessment

### 5.1 Planning and Regulatory Capability

The Town's HMP update will be incorporated into and referenced by future updates of the plans, policies, ordinances, programs, studies, and reports listed in Table 6, below.

Table 6. Planning Mechanisms and Capabilities		
Planning Mechanism	Town of Scriba	Notes
Plans		
Comprehensive/Land Use Plan	X	Adopted.
Post-disaster Recovery Plan	X	In place.
Local Waterfront Revitalization Plan	X	In place.
Comprehensive Emergency Management Plan	X	In place.
Policies/Ordinances		
Building Codes	<ul style="list-style-type: none"> <li>• 2010 Residential Code of NYS</li> <li>• 2010 Fire Code of NYS</li> <li>• 2010 Building Code of NYS</li> <li>• 2010 Existing Building Code of NYS</li> <li>• 2010 Energy Conservation Construction Code of NYS</li> <li>• 2010 Plumbing Code of NYS</li> <li>• 2010 Mechanical Code of NYS</li> <li>• 2010 Fuel Gas Code of NYS</li> </ul>	Code Enforcement Officer
Subdivision Regulations	X	Local Law No. 1 of 1994
Property Set-back Ordinance	X	In place.
Flood Regulations	X	Adopted.
Site Plan Review Requirements	X	Local Law No. 2 of 1996
Real Estate Disclosure Requirement	X	In place.
Programs		
NFIP Participant	X	Current participant.
Public Education/ Awareness Program	X	Fire Dept. responsible
Stream Maintenance Program	X	Highway Dept. responsible
Storm Drainage Maintenance Program	X	Highway Dept. responsible
Mutual Aid Agreements	X	Agreements with neighboring jurisdictions and Oswego County
Studies/Reports		
Hazard Analysis/Risk Assessment	X	2012 Oswego County HMP
Floodplain Maps/Insurance Studies	X	FEMA- 2013
Staff/Development		
Building Code Official	X	Code Enforcement Officer



Table 6. Planning Mechanisms and Capabilities		
Planning Mechanism	Town of Scriba	Notes
Local Floodplain Administrator	X	Code Enforcement Officer
Public Information Official	X	Town Supervisor

## 5.2 Emergency Communications, Routes, and Shelters

The Town of Scriba, along with Oswego County, utilize the HyperReach emergency communications system. Major transportation routes within the Town include NYS Route 104, NYS Route 481, and County Routes 1, 4, 29, and 51 among others. The Town of Scriba has one (1) established emergency shelters:

- Scriba Town Hall – 42 Creamery Road, Oswego NY

The Town Hall is ADA-compliant. The Town does not currently have any emergency sheltering accommodations in place for pets.

## 5.3 Temporary and Permanent Housing Locations

The potential temporary and permanent housing locations listed below were identified for displaced residents in the Town of Scriba based on the 2017 NYS Hazard Mitigation Planning Standards.

- **Potential Temporary Housing Locations**
  - Scriba Town Park – 803 O’Connor Road
  - Scriba Town Inn Campground – 5338 NY-104
  - Hilltop Mobile Home Park – 956 Middle Road
  - Mobile Home Park – 2081 CR 1
  - Mobile Home Park – 5250 NY -104
  - Mobile Home Park – 285 CR 29
- **Potential Permanent Housing Locations**
  - Town Property – Klocks Corners Road
  - Town Property – NY-104
  - Town Property – 1290 CR 1

## 6.0 National Flood Insurance Program

Long-term mitigation of potential flood impacts can be best achieved through comprehensive floodplain management regulations and enforcement at a local level. The National Flood Insurance Program (NFIP), regulated by FEMA, aims to reduce the impact of flooding on private and public structures by providing affordable insurance for property owners. The program encourages local jurisdictions to adopt and enforce floodplain management regulations in order to mitigate the potential effects of flooding on new and existing infrastructure (FEMA, 2015).

Communities that participate in the NFIP adopt floodplain ordinances. If an insured structure incurs damage costs that are over 50% of its market value, the owner must comply with the local floodplain regulations when repairing or rebuilding the structure. A structure could be rebuilt at a higher elevation, or it could be acquired and demolished by the municipality or relocated outside of the floodplain. Insured structures that are located within floodplains identified on FEMA's Flood Insurance Rate Maps (FIRMs) may receive payments for structure and content losses if impacted by a flood event.

The NFIP and other flood mitigation actions are important for the protection of public and private property and public safety. Flood mitigation is valuable to communities because it:

- Creates safer environments by reducing loss of life and decreasing property damage;
- Allows individuals to minimize post-flood disaster disruptions and to recover quicker (homes built to NFIP standards generally experience less damage from flood events, and when damage does occur, the flood insurance program protects the homeowner's investment); and
- Lessens the financial impacts on individuals, communities, and other involved parties (FEMA, 2015).

The Town of Scriba currently participates in the NFIP. As of July 2018, the Town had fifteen (15) flood insurance policies in-force, with a total coverage amount of \$2,307,800.00, and thirteen (13) claims have been filed to date. All claims have been closed. Ten (10) of these claims have been paid for a total of \$89,099.59 with the remaining three (3) closed without payment. There are no repetitive loss properties within the Town of Scriba.

The Town's Code Enforcement Officer serves as the Local Floodplain Administrator, and flood maps are available for viewing and copying at the Town Hall (42 Creamery Road, Oswego). The Town has been maintaining NFIP participation by performing the duties and actions that were listed in the local laws adopted by the Town Board. The Town will continue to comply with the NFIP by enforcing floodplain management requirements and regulating new development in Special Flood Hazard Areas, in addition to other required duties.

## 7.0 Mitigation Strategy and Prioritization

### 7.1 Past, Completed, and Ongoing Initiatives

The Town of Scriba proposed three (3) mitigation actions in the 2012 Oswego County HMP. The details and status of those actions are described in Table 7 below. The Town has completed several mitigation-related projects in recent years.

Table 7. 2012 Hazard Mitigation Actions Town of Scriba				
Proposed Mitigation Action	Hazard(s) Mitigated	2012 Goals & Objectives Met	Implementing Agency	Status
Implement response protocols to remove debris jams from waterways	Flood	3-c	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	This is an ongoing action that the Town noted is sufficiently under control by the Highway Dept.
Implement response protocols to remove ice jams from waterways	Ice jam	4-d, 4-e, 5-a, 5-e	County DPW, Municipal DPW/Highway, Fire Depts., Canal Corps, USACE	This is an ongoing action that the Town noted is sufficiently under control by the Highway Dept.
Increase building setbacks along Lake Ontario to reduce erosion potential and impacts	Severe storm, landslide	4-b, 4-d	Scriba planning & zoning board	Currently, lakeshore development is controlled by FEMA and NYSDEC. The Town has a setback ordinance in place, which in general is more stringent than FEMA's as it encompasses the entire lot in many cases (50' front, 20' side, 20' rear setbacks). It is not feasible to increase these existing setbacks.

## 7.2 Proposed Mitigation Actions

The Town proposed two (2) new mitigation actions to be included in the HMP update. These actions are described in Table 8, below and on worksheets included in Attachment A.

Table 8. 2018 Proposed Mitigation Actions Town of Scriba									
Action ID	Mitigation Action	Hazard(s) Mitigated	Implementing Agencies (Lead* & Support)	Planning Mechanism	Timeframe	New or Existing Development	Estimated Cost	Funding Source(s)	Priority
Scriba 1	Reconstruct breakwall at Sunset Bay Park	Flood	Town Supervisor*	Post-Disaster Recovery Plan	2-5 years	Existing	\$4 million	FEMA- HMGP; NYSDHSES- HSGP	1 (High)
Scriba 2	Work with residents along the shore of Lake Ontario to protect properties from future flood events	Flood	Town Planning Board, Code Enforcement Officer*	Comprehensive Emergency Management Plan	5-10 years	Existing	\$5,000	Town budget	2 (Medium)
Scriba 3	Develop and distribute property resilience brochure to all Town residents	Severe Thunderstorm/ Wind/Tornado, Flooding, Severe Winter Storm, Ice Storm	Town Supervisor*	Comprehensive Emergency Management Plan	1 year	Existing	\$500-2,000	Town budget	3 (Medium)
Scriba 4	Establish an ordinance to require an operating permit for all local businesses	Fire, Structural Collapse (as related to many natural hazards)	Town Code Enforcement Officer*; Town Planning Board	Town Code	1 year	Existing	\$1,000	Town budget	2 (Medium)
Potential Funding Sources FEMA HMGP: <a href="https://www.fema.gov/hazard-mitigation-grant-program">https://www.fema.gov/hazard-mitigation-grant-program</a> NYS DHSES HSGP: <a href="http://www.dhses.ny.gov/grants/hsgp.cfm#fy2017">http://www.dhses.ny.gov/grants/hsgp.cfm#fy2017</a>									

### 7.3 *Cost-Benefit Analysis*

Each of the Town's proposed mitigation actions were evaluated and prioritized using the STAPLEE cost-benefit analysis. The Town's STAPLEE worksheet is provided in Attachment B. The STAPLEE analysis includes the following lenses of evaluation: social, technological, administrative, political, legal, economic, and environmental.

## 8.0 **Works Cited**

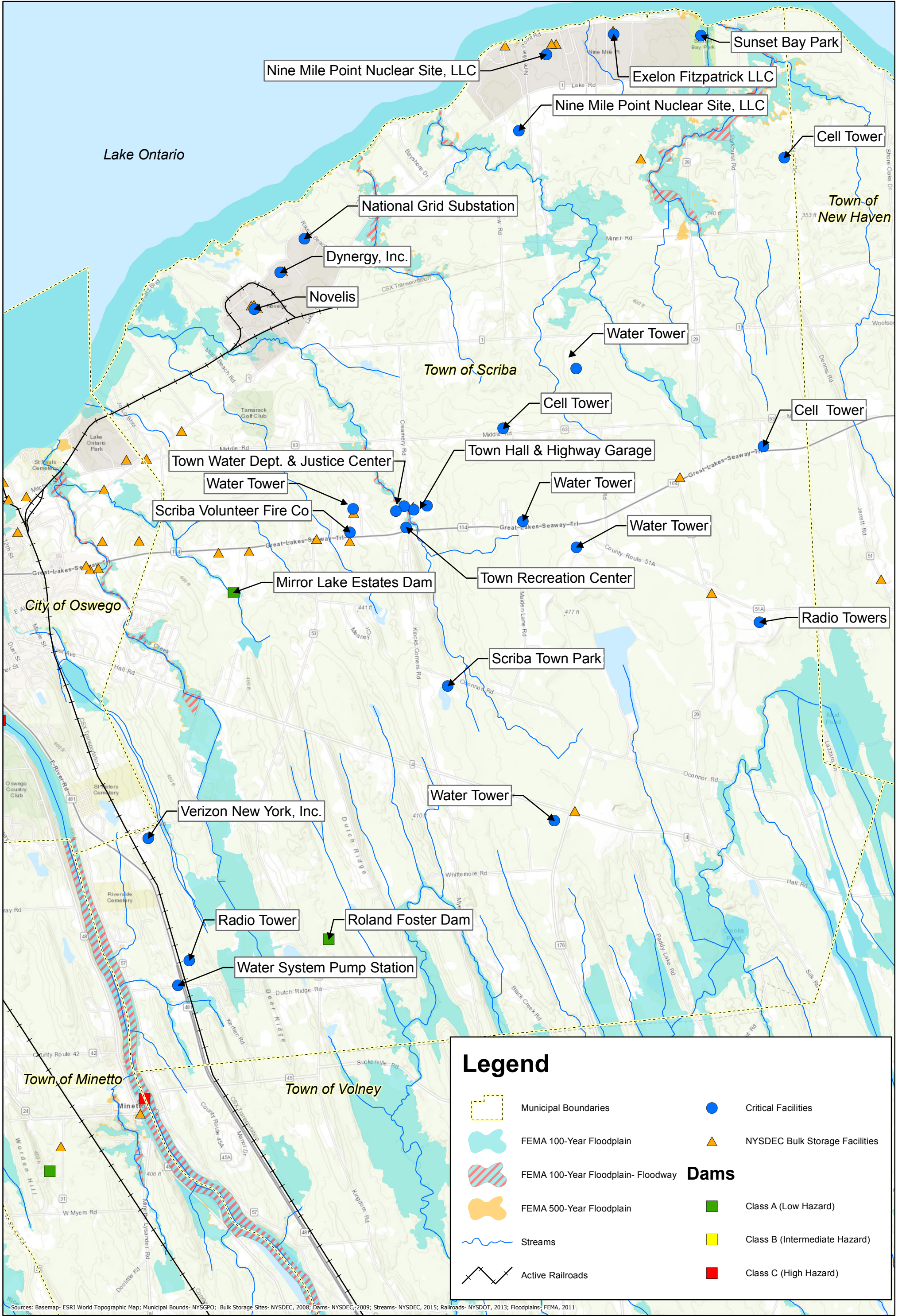
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**Figure 1**

**Hazard Area Extent and Location Map –  
Town of Scriba**





Sources: Basemap- ESRI World Topographic Map; Municipal Bounds- NYSGPO; Bulk Storage Sites- NYSDEC, 2008; Dams- NYSDEC, 2009; Streams- NYSDEC, 2015; Railroads- NYSDOT, 2013; Floodplains- FEMA, 2011



**Attachment A**

**Mitigation Action Worksheets –  
Town of Scriba**



## Oswego County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction:	Town of Scriba
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Mitigation Action Worksheet	
Project Name:	Reconstruct breakwall at Sunset Bay Park
Project Number:	Scriba 1
Risk/Vulnerability	
Hazard of Concern:	Flood
Description of the Problem:	Lake Ontario high water levels in early 2017 caused significant damage to the existing breakwall at Sunset Bay Park.
Action of Project Intended for Implementation	
Description of the Solution:	Re-construct the Sunset Bay breakwall to protect the lake shoreline from additional damages

Is this project related to a Critical Facility?      Yes \_\_\_\_\_ No   X  

(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)

Level of Protection:	#1 (High)	Estimated Benefits (losses avoided):	Prevention of flooding and erosion along Sunset Bay shoreline
Useful Life:	Long-term- 15-20 years		
Estimated Cost:	\$4 million		

Plan for Implementation			
Prioritization:	#1 (High)	Desired Timeframe for Implementation:	2-5 years
Estimated Time Required for Project Implementation:	3 years	Potential Funding Sources:	FEMA- HMGP; NYSDHSES- HSGP
Responsible Organization:	Town Supervisor	Local Planning Mechanisms to be used in Implementation, if any:	Post-Disaster Recovery Plan

Three Alternatives Considered (Including No Action)			
	Action	Estimated Cost	Evaluation
Alternatives:	No Action	\$0	Shoreline damage continues
	Place erosion control measures on shoreline	\$100,000	May temporarily address erosion issues but not a long-term solution
	Reconstruct breakwall at Sunset Bay Park	\$4 million	Complete solution- addresses erosion and future flooding issues

Progress Report (for Plan Maintenance)	
Date of Status Report:	
Report of Progress:	
Update Evaluation of the Problem and/or Solution:	

## Oswego County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction:	Town of Scriba
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Mitigation Action Worksheet	
Project Name:	Work with residents along the shore of Lake Ontario to protect properties from future flood events
Project Number:	Scriba 2
Risk/Vulnerability	
Hazard of Concern:	Flood
Description of the Problem:	Residents along the shore of Lake Ontario experienced significant property damages due to flooding during the 2017 and 2019 Lake Ontario high water events. Residents may be unaware of how to better protect their properties from future flood damages.
Action of Project Intended for Implementation	
Description of the Solution:	The Town Planning Board and Code Enforcement Officer will provide specific information to shoreline property owners in the Town (including Joe Fultz Blvd, Milea Beach Rd, Jo-Lo Shores, Rikers Beach Rd, Lake View Rd, and Sunset Bay Rd) regarding flood mitigation measures that they can implement on their properties.

Is this project related to a Critical Facility?      Yes \_\_\_\_\_ No   X  

(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)

Level of Protection:	Medium	Estimated Benefits (losses avoided):	Shoreline property owners would be better informed about ways to protect their properties during flooding events, which would help to lessen property damages in the future.
Useful Life:	Medium to long-term		
Estimated Cost:	\$5,000		

Plan for Implementation			
Prioritization:	Medium	Desired Timeframe for Implementation:	5-10 years
Estimated Time Required for Project Implementation:	5-10 years	Potential Funding Sources:	Town budget
Responsible Organization:	Town Planning Board, Code Enforcement Officer	Local Planning Mechanisms to be used in Implementation, if any:	Comprehensive Emergency Management Plan

Three Alternatives Considered (Including No Action)			
	Action	Estimated Cost	Evaluation
Alternatives:	No Action	\$0	No change in resident awareness regarding property resilience.
	Make flood mitigation information available for all Town residents via the Town website and Town Hall	\$2,000	Partial solution. Not directly targeted to shoreline residents; may not reach all intended recipients who may need assistance.
	Send flood mitigation information directly to shoreline residents in addition to having the information available on the Town website and at Town Hall	\$5,000	Most comprehensive approach, ensures that shoreline residents receive flood mitigation information.

Progress Report (for Plan Maintenance)	
Date of Status Report:	
Report of Progress:	
Update Evaluation of the Problem and/or Solution:	

## Oswego County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction:	Town of Scriba
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Mitigation Action Worksheet	
Project Name:	Develop and distribute property resilience brochure to all Town residents
Project Number:	Scriba 3
Risk/Vulnerability	
Hazard of Concern:	Severe Thunderstorm/Wind/Tornado, Flooding, Severe Winter Storm, Ice Storm
Description of the Problem:	Many residents throughout Oswego County, including the Town of Scriba, may lack knowledge regarding how to make their properties more resilient to flooding and storm events. Storm damages could be minimized or avoided if residents had access to practical methods for hardening their properties.
Action of Project Intended for Implementation	
Description of the Solution:	Modify County-wide property resiliency brochure to include additional information regarding Town codes, contact information, and other Town-specific information. Distribute the brochure to each Town resident, either by mailing or making the document available on the Town website and at the Town Hall.

Is this project related to a Critical Facility?      Yes ☐      No ☒

(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)

Level of Protection:	Low	Estimated Benefits (losses avoided):	Town residents would be better informed about ways to protect their properties during flooding and storm events, which would help to lessen property damages in the future.
Useful Life:	Long-term		
Estimated Cost:	\$500-2,000		

Plan for Implementation			
Prioritization:	Medium	Desired Timeframe for Implementation:	1 year
Estimated Time Required for Project Implementation:	3 months	Potential Funding Sources:	Town budget
Responsible Organization:	Town Supervisor	Local Planning Mechanisms to be used in Implementation, if any:	Comprehensive Emergency Management Plan

Three Alternatives Considered (Including No Action)			
	Action	Estimated Cost	Evaluation
Alternatives:	No Action	\$0	No change in public awareness regarding property resilience.
	Distribute property resiliency brochure developed by Oswego County	\$500-2,000	Partial solution. The property resiliency techniques likely would be the same as those identified for the County, but this option lacks Town-specific information.
	Distribute Oswego County property resiliency brochure modified with Town-specific information	\$500-2,000	Most comprehensive approach, gives Town residents more complete information regarding Town-specific codes and contacts.

Progress Report (for Plan Maintenance)	
Date of Status Report:	
Report of Progress:	
Update Evaluation of the Problem and/or Solution:	

## Oswego County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction:	Town of Scriba
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Mitigation Action Worksheet	
Project Name:	Establish a new ordinance in the Town Code that requires an operating permit for all local businesses
Project Number:	Scriba 4
Risk/Vulnerability	
Hazard of Concern:	Fire, Structural Collapse (as a result of many natural hazards)
Description of the Problem:	Town lacks ability to enforce building codes for all businesses
Action of Project Intended for Implementation	
Description of the Solution:	Establish a new ordinance in the Town Code that requires an operating permit for all local businesses. The permit would have a condition requiring an annual fire/building code inspection by the Town.

Is this project related to a Critical Facility?      Yes \_\_\_\_\_ No   X  

(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)

Level of Protection:	High	Estimated Benefits (losses avoided):	Town has more oversight and access to commercial properties for building inspections.
Useful Life:	Long-term (ongoing enforcement)		
Estimated Cost:	\$1,000		

Plan for Implementation			
Prioritization:	Medium	Desired Timeframe for Implementation:	1 year
Estimated Time Required for Project Implementation:	3 months	Potential Funding Sources:	Town budget
Responsible Organization:	Town Code Enforcement Officer	Local Planning Mechanisms to be used in Implementation, if any:	Town Code

Three Alternatives Considered (Including No Action)			
	Action	Estimated Cost	Evaluation
Alternatives:	No Action	\$0	Lack of oversight remains.
	Continue to enforce existing code.	Low	Lack of oversight remains. Town does not have power under existing code to enforce building code for all businesses.
	Establish a new ordinance in the Town Code that requires an operating permit for all local businesses	\$1,000	Town has more oversight and record keeping of businesses and status of inspections.

Progress Report (for Plan Maintenance)	
Date of Status Report:	
Report of Progress:	
Update Evaluation of the Problem and/or Solution:	

**Attachment B**

**STAPLEE Worksheet –  
Town of Scriba**

## Worksheet #6

### STAPLEE Criteria Consideration Table

#### Mitigation Action Prioritization and Comparison

Jurisdiction	Town of Scriba
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Action ID	Action								Can action be easily implemented?	Does action achieve multiple plan objectives?	Can action be quickly implemented?	Level of action benefits	Level of action overall costs	Priority ranking
		S	T	A	P	L	E	E						
		+ = Benefit (favorable), - = Cost (unfavorable), 0 = Neutral or N/A												
Scriba 1	Reconstruct breakwall at Sunset Bay Park	+	+	+	+	+	-	0	-	+	-	High	High	High (#1)
Scriba 2	Work with residents along the shore of Lake Ontario to protect properties from future flood events	+	+	+	0	+	+	+	+	+	0	Low	Low	Med (#2)
Scriba 3	Develop and distribute property resilience brochure to all Town residents	+	+	+	+	+	+	+	+	+	+	Low	Low	Med (#3)
Scriba 4	Establish an ordinance to require an operating permit for all local businesses	0	+	+	-	+	0	0	+	+	+	High	Low	Low (#4)