



## 9.28 TOWN OF RICHFIELD

This section presents the jurisdictional annex for the Town of Richfield. It includes resources and information to assist public and private sectors to reduce losses from future hazard events. This annex is not guidance of what to do when a disaster occurs. Rather, this annex concentrates on actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. This annex includes a general overview of the municipality and who in the town participated in the planning process, an assessment of the Town of Richfield’s risk and vulnerability, the different capabilities used in the town, and an action plan that will be implemented to achieve a more resilient community.

### 9.28.1 Hazard Mitigation Planning Team

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

| Primary Point of Contact   | Alternate Point of Contact   |
|--|--|
| Name: Paul Palumbo<br>Title: Supervisor<br>Phone Number: 315-360-7347<br>Address: P.O. Box 786, Richfield Springs, NY<br>Email: Richfield-supervisor@stny.rr.com                                   | Name: Tim Proctor<br>Title: Highway Superintendent<br>Phone Number: 315-858-0910<br>Address: P.O. Box 786, Richfield Springs, NY<br>Email: Richfield-highway@stny.rr.com |
| Floodplain Administrator   |  |
| Name: Tony Gentile<br>Title: County of Otsego<br>Phone Number: 607-547-6414<br>Address: Otsego County Code Enforcement, 197 Main Street, Cooperstown, NY 13326<br>Email: gentilea@otsegocounty.com |  |

### 9.28.2 Municipal Profile

The Town of Richfield was founded from the Town of Otsego in April of 1792. The Towns of Exeter and Plainfield split from Richfield in 1799. The Town of Richfield lies along the northern border of Otsego County in western New York State. The north end of Canadarago Lake is at the eastern end of the town. Hyder Creek feeds the lake from the west. Ocquionis Creek feeds the lake from the north. The Village of Richfield Springs is located along the northern border with Herkimer County at the junction of US-20 and NY-28. Section 9.29 (Village of Richfield Springs) provides their individual annex. There are communities located within the town, including Brighton (hamlet) and Dogtown (hamlet).



The Town of Richfield has a total area of 32.4 square miles. The Town of Richfield is bordered to the north by Herkimer County, to the south by the Towns of Exeter and Otsego, to the east by the Town of Springfield, and to the west by the Town of Plainsfield.

The estimated 2016 population was 996 persons, a 11.4 percent decrease in population from 2010 (1,124 persons). Data from the 2012-2016 U.S. Census American Community Survey indicates that 4 percent of the



town population is five years of age or younger and 28.6 percent is 65 years of age or older. Approximately 3.7 percent of the town’s total population is below the poverty level. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

**Growth/Development Trends**

The Town of Richfield did not note any residential/commercial development that has occurred since 2013 or any planned major residential, commercial, or major infrastructure development anticipated in the next five years.

**Table 9.28-1. Growth and Development**

| Property or Development Name                                       | Type (e.g. Res., Comm.) | # of Units / Structures | Location (address and/or Parcel ID) | Known Hazard Zone(s) | Description/Status of Development |
|--|-------------------------|-------------------------|-------------------------------------|----------------------|-----------------------------------|
| <b>Recent Development from 2013 to present</b>                     |                         |                         |                                     |                      |                                   |
| None   |                         |                         |                                     |                      |                                   |
| <b>Known or Anticipated Development in the Next Five (5) Years</b> |                         |                         |                                     |                      |                                   |
| None   |                         |                         |                                     |                      |                                   |

**9.28.3 Hazard Event History Specific to the Town of Richfield**

Otsego County has a history of natural hazard events as detailed in Volume I, Section 5.0 (Risk Assessment). A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the county and its municipalities. The Town of Richfield’s history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Otsego County. Table 9.28-2 provides details regarding municipal-specific loss and damages the town experienced during hazard events. Information provided in the table below is based on reference material or local sources.

**Table 9.28-2. Hazard Event History**

| Dates of Event         | Event Type (Disaster Declaration if applicable)        | Otsego County Designated? | Summary of Event  | Municipal Summary of Damages and Losses  |
|------------------------|--|---------------------------|---|--|
| June 26- July 11, 2013 | Severe Storms and Flooding (DR-4129)                   | Yes                       | A series of storms included severe thunderstorms, heavy rain, and flash flooding across central New York State and Otsego County.   | Although the county was impacted, the Town of Richfield did not report losses.   |
| May 13- 22, 2014       | Severe Storms and Flooding (DR-4180)                   | Yes                       | On May 16, a slow-moving system brought heavy rainfall in the amounts of one to three inches in the region. This led to flash flooding, road washouts, and road closures in Otsego County.    | Although the county was impacted, the Town of Richfield did not report losses.   |
| November 17-27, 2014   | Severe Winter Storm, Snowstorm, and Flooding (DR-4204) | No                        | A snowstorm developed on November 26. Snowfall amounts ranged from 7-11 inches across the county. The highest amount of 11 inches fell in Cooperstown.  | Although the county was impacted, the Town of Richfield did not report losses.   |
| March 14- 15, 2017     | Severe Winter Storm and Snowstorm (DR-4322)            | Yes                       | Snowfall ranged between 3 and 4 feet in Otsego County. Many municipalities, and counties declared state of emergencies and/or travel bans. New York state also declared a state of emergency. | The town identified losses related to snow removal from this event, over \$9,000 in losses. There were countywide road closures as well. |

Notes:  
DR Major Disaster Declaration (FEMA)





N/A Not applicable

### 9.28.4 Hazard Ranking and Jurisdiction-Specific Vulnerabilities

The hazard profiles in Section 5.0 (Risk Assessment) have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the hazards of greatest concern and risk to the Town of Richfield.

#### Hazard Risk Ranking

This section provides the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Section 5 (Risk Assessment). The ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property, and the economy, as well as community capability and changing future climate conditions. This input supports the mitigation action development to target those hazards with highest level of concern.

As discussed in Section 5.3 (Hazard Ranking), each participating town or village may have differing degrees of risk exposure and vulnerability compared to Otsego County as a whole. Therefore, each municipality ranked the degree of risk to each hazard as it pertains to their community. The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the Town of Richfield. The Town of Richfield has reviewed the county hazard risk/vulnerability risk ranking table, as well as its individual results, to reflect the relative risk of the hazards of concern to the community.

During the review of the hazard/vulnerability risk ranking, the town indicated the following:

- The town agreed with the calculated hazard rankings.

Table 9.28-3. Hazard Risk/Vulnerability Risk Ranking

| Hazard of Concern   | County Hazard Ranking | Community Hazard Ranking |
|---------------------|-----------------------|--------------------------|
| Drought             | Medium                | Medium                   |
| Earthquake          | High                  | Medium                   |
| Extreme Temperature | High                  | High                     |
| Flood               | Medium                | Medium                   |
| Landslide           | Low                   | Low                      |
| Severe Storm        | High                  | High                     |
| Severe Winter Storm | High                  | High                     |
| Wildfire            | High                  | Medium                   |

Notes: The hazard ranking calculation is based on probability of occurrence and impacts on population, property, and the economy. Section 5.3 (Hazard Ranking) provides the hazard ranking methodology.

#### Critical Facilities Flood Risk

NYS DEC Statute 6 CRR-NY 502.4 sets forth floodplain management criteria for state projects located in flood hazard areas. The law provides that no such projects related to critical facilities shall be undertaken in a SFHA unless constructed according to specific mitigation specifications, including being raised two feet above the BFE. This statute is outlined at <http://tinyurl.com/6-CRR-NY-502-4>. While all vulnerabilities should be assessed and documented, the state places a high priority on exposure to flooding. Critical facilities located in an SFHA, or having ever sustained previous flooding, must be protected to the 500-year flood event or worst





damage scenario. For those that do not meet these criteria, the jurisdiction must identify an action to achieve this level of protection. (NYS DHSES 2017)

The table below identifies critical facilities in the community located in the 1-percent and 0.2-percent floodplain and presents HAZUS-MH estimates of the damage and loss of use to critical facilities as a result of a 1-percent annual chance flood event.

**Table 9.28-4. Potential Flood Losses to Critical Facilities**

| Name              | Type                 | Exposure |            | Potential Loss from 1% Flood Event |                        | Addressed by Proposed Action |
|-------------------|----------------------|----------|------------|------------------------------------|------------------------|------------------------------|
|                   |                      | 1% Event | 0.2% Event | Percent Structure Damage           | Percent Content Damage |                              |
| Bakers Beach Park | Park                 | X        | X          | 0.69                               | 8.94                   | -                            |
| Waste Treatment   | Waste Water Facility | X        | X          | -                                  | -                      | T. Richfield-1               |

Sources: FEMA 2017; Otsego County 2018

The Town of Richfield reviewed the list of critical facilities and determined that the Bakers Beach Park was not critical for essential services. As a result, the Town of Richfield did not develop a mitigation action to protect the facility to the 500-year flood level.

**Identified Issues**

The municipality has identified the following vulnerabilities within their community:

- The town needs additional outreach programs.
- Homes around Canadarago Lake are susceptible to flooding during higher lake levels.

**9.28.5 Capability Assessment**

This section identifies the following capabilities of the local jurisdiction:

- Planning and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Community classification
- National Flood Insurance Program
- Integration of mitigation planning into existing and future planning mechanisms

**Planning and Regulatory Capability**

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

**Table 9.28-5. Planning and Regulatory Tools**

| Tool / Program (code, ordinance, plan) | Do you have this? (Yes/No) If Yes, date of adoption or update | Authority (local, county, state, federal) | Dept. /Agency Responsible | Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.) |
|--|---|---|---------------------------|---|
| <b>Planning Capability</b>             |   |   |                           |   |
| Comprehensive Plan                     | Yes   | Local                                     | Planning                  | 2018  |





| Tool / Program<br>(code, ordinance, plan)   | Do you have this?<br>(Yes/No)<br>If Yes, date of adoption or update | Authority<br>(local, county, state, federal) | Dept.<br>/Agency<br>Responsible            | Code Citation and Comments<br>(Code Chapter, name of plan, explanation of authority, etc.) |
|---|---|--|--|--|
|   |   |  | Board                                      |  |
| Capital Improvements Plan                   | No  | -  | -  | -  |
| Floodplain Management / Basin Plan          | Yes   | County                                       | County                                     | Floodplain Management Plan   |
| Stormwater Management Plan                  | No  | -  | -  | -  |
| Open Space Plan                             | No  | -  | -  | -  |
| Stream Corridor Management Plan             | No  | -  | -  | -  |
| Watershed Management or Protection Plan     | No  | -  | -  | -  |
| Economic Development Plan                   | No  | -  | -  | -  |
| Comprehensive Emergency Management Plan     | No  | -  | -  | -  |
| Emergency Operation Plan                    | No  | -  | -  | -  |
| Evacuation Plan                             | No  | -  | -  | -  |
| Post-Disaster Recovery Plan                 | No  | -  | -  | -  |
| Transportation Plan                         | No  | -  | -  | -  |
| Strategic Recovery Planning Report          | No  | -  | -  | -  |
| Other Plans:                                | No  | -  | -  | -  |
| <b>Regulatory Capability</b>                |   |  |  |  |
| Building Code                               | Yes   | State & Local                                | Otsego County Codes                        | NYS Building Code  |
| Zoning Ordinance                            | Yes   | Local  | Town Board                                 | Zoning Law   |
| Subdivision Ordinance                       | Yes   | Local  | Planning Board                             | Town of Richfield Land Use Ordinance   |
| NFIP Flood Damage Prevention Ordinance      | Yes   | Federal, State, Local                        | Otsego County Codes                        | Local Law #1 of 2011   |
| NFIP: Cumulative Substantial Damages        | No  | -  | -  | -  |
| NFIP: Freeboard                             | Yes   | State, Local                                 | Otsego County Codes                        | State mandated BFE+2 for all construction, both residential and non-residential            |
| Growth Management Ordinances                | No  | -  | -  | -  |
| Site Plan Review Requirements               | Yes   | Local  | Planning Board                             | Town of Richfield Land Use Ordinance   |
| Stormwater Management Ordinance             | No  | -  | -  | -  |
| Municipal Separate Storm Sewer System (MS4) | No  | -  | -  | -  |
| Natural Hazard Ordinance                    | No  | -  | -  | -  |
| Post-Disaster Recovery Ordinance            | No  | -  | -  | -  |
| Real Estate Disclosure Requirement          | Yes   | State  | NYS Department of State, Real Estate Agent | NYS mandate, Property Condition Disclosure Act, NY Code - Article 14 §460-467              |
| Other (Special Purpose)                     | No  |  |  |  |



| Tool / Program<br>(code, ordinance, plan)        | Do you have this?<br>(Yes/No)<br>If Yes, date of adoption or update | Authority<br>(local, county, state, federal) | Dept.<br>/Agency<br>Responsible | Code Citation and Comments<br>(Code Chapter, name of plan, explanation of authority, etc.) |
|--|---|--|---------------------------------|--|
| Ordinances [i.e., sensitive areas, steep slope]) |   |  |                                 |  |

### Administrative and Technical Capability

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

**Table 9.28-6. Administrative and Technical Capabilities**

| Resources   | Is this in place?<br>(Yes or No) | Department/ Agency/Position |
|---|----------------------------------|-----------------------------|
| <b>Administrative Capability</b>  |                                  |                             |
| Planning Board  | Yes                              | Planning Board              |
| Mitigation Planning Committee   | No                               | -                           |
| Environmental Board/Commission  | No                               | -                           |
| Open Space Board/Committee  | No                               | -                           |
| Economic Development Commission/Committee   | No                               | -                           |
| Maintenance programs to reduce risk   | No                               | -                           |
| Mutual aid agreements   | No                               | -                           |
| <b>Technical/Staffing Capability</b>  |                                  |                             |
| Planner(s) or engineer(s) with knowledge of land development and land management practices                  | Yes                              | Land Use Officer            |
| Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure | No                               | -                           |
| Planners or engineers with an understanding of natural hazards  | No                               | -                           |
| NFIP Floodplain Administrator (FPA)   | Yes                              | Otsego County               |
| Surveyor(s)   | No                               | -                           |
| Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications  | No                               | -                           |
| Scientist familiar with natural hazards   | No                               | -                           |
| Warning systems/services  | No                               | -                           |
| Emergency Manager   | No                               | -                           |
| Grant writer(s)   | No                               | -                           |
| Staff with expertise or training in benefit/cost analysis   | No                               | -                           |
| Professionals trained in conducting damage assessments  | No                               | -                           |

### Fiscal Capability

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

**Table 9.28-7. Fiscal Capabilities**

| Financial Resources                                | Accessible or Eligible to Use<br>(Yes/No) |
|--|---|
| Community development Block Grants (CDBG, CDBG-DR) | No  |
| Capital improvements project funding               | Yes                                       |



| Financial Resources   | Accessible or Eligible to Use (Yes/No) |
|---|--|
| Authority to levy taxes for specific purposes                     | Yes                                    |
| User fees for water, sewer, gas or electric service               | No                                     |
| Impact fees for homebuyers or developers of new development/homes | No                                     |
| Stormwater utility fee  | No                                     |
| Incur debt through general obligation bonds                       | Yes                                    |
| Incur debt through special tax bonds                              | Yes                                    |
| Incur debt through private activity bonds                         | No                                     |
| Withhold public expenditures in hazard-prone areas                | No                                     |
| Other federal or state Funding Programs                           | No                                     |
| Open Space Acquisition funding programs                           | No                                     |
| Other   | No                                     |

### Community Classifications

The table below summarizes classifications for community programs available to the Town of Richfield.

**Table 9.28-8. Community Classifications**

| Program   | Do you have this? (Yes/No) | Classification (if applicable) | Date Classified (if applicable) |
|---|----------------------------|--------------------------------|---------------------------------|
| Community Rating System (CRS)   | No                         | -                              | -                               |
| Building Code Effectiveness Grading Schedule (BCEGS)                      | No                         | -                              | -                               |
| Public Protection (ISO Fire Protection Classes 1 to 10)                   | No                         | -                              | -                               |
| NYSDEC Climate Smart Community  | No                         | -                              | -                               |
| Storm Ready Certification   | Yes                        | Storm Ready County             | 2015                            |
| Firewise Communities classification                                       | No                         | -                              | -                               |
| Natural disaster/safety programs in/for schools                           | No                         | -                              | -                               |
| Organizations with mitigation focus (advocacy group, non-government)      | No                         | -                              | -                               |
| Public education program/outreach (through website, social media)         | No                         | -                              | -                               |
| Public-private partnership initiatives addressing disaster-related issues | No                         | -                              | -                               |
| Other   | No                         | -                              | -                               |

Note:  
- Unavailable

The classifications listed above relate to the community’s ability to provide effective services to lessen its vulnerability to the hazards identified. These classifications can be viewed as a gauge of the community’s capabilities in all phases of emergency management (preparedness, response, recovery, and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance, while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10, with class 1 being the best possible classification and class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1,000 feet of a creditable fire hydrant and is within 5 road miles of a recognized fire station.

Criteria for classification credits are outlined in the following documents:





- The Community Rating System Coordinators Manual.
- The Building Code Effectiveness Grading Schedule (<https://www.isomitigation.com/bcegs/>).
- The ISO Mitigation online ISO’s Public Protection (<https://www.isomitigation.com/ppc/>).
- New York State Climate Smart Communities (<http://www.dec.ny.gov/energy/56876.html>).
- The National Weather Service Storm Ready (<https://www.weather.gov/stormready/communities>).
- The National Firewise Communities (<http://firewise.org/>).

### Self-Assessment of Capability

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

**Table 9.28-9. Self-Assessment Capability for the Municipality**

| Area   | Degree of Hazard Mitigation Capability            |          |      |
|--|---|----------|------|
|  | Limited<br>(If limited, what are your obstacles?) | Moderate | High |
| Planning and regulatory capability   |   | X        |      |
| Administrative and technical capability                                    |   | X        |      |
| Fiscal capability  |   | X        |      |
| Community political capability   |   | X        |      |
| Community resiliency capability  |   | X        |      |
| Capability to integrate mitigation into municipal processes and activities |   | X        |      |

### National Flood Insurance Program

#### NFIP Floodplain Administrator (FPA)

Otsego County is the FPA for the Town of Richfield.

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

The Town of Richfield does not maintain lists/inventories of properties damaged by floods, nor do they conduct substantial damage estimates for damaged properties. At the time of this plan update, there is no interest in the mitigation of properties. The following table summarizes the NFIP statistics for the Town of Richfield.

**Table 9.28-10. NFIP Summary**

| Municipality  | # Policies<br>(1) | # Claims<br>(Losses)<br>(1) | Total<br>Loss<br>Payments<br>(2) | # Rep.<br>Loss Prop.<br>(1) | # Severe Rep.<br>Loss Prop.<br>(1) | # Policies in the<br>1-Percent Flood<br>Boundary (3) |
|---------------|-------------------|-----------------------------|----------------------------------|-----------------------------|------------------------------------|--|
| Richfield (T) | 19                | 17                          | \$432,320                        | 4                           | 0                                  | 10   |

Source: FEMA 2018

Notes:

- (1) Policies, claims, RL, and SRL statistics provided by FEMA Region 2, and are current as of June 30, 2018. Total number of RL properties does not include SRL properties. Number of claims represents claims closed by July 31, 2018.
- (2) Total building and content losses from the claims file provided by FEMA Region 2.
- (3) Number of policies inside and outside of flood zones is based on latitude and longitude coordinates provided by FEMA Region 2 in the policy file. FEMA noted that for a property with more than one entry, more than one policy may have been in force or more than one Geographic Information System specification was possible. Number of policies and claims, and claims total, exclude properties outside Otsego County boundary, based on provided latitude and longitude coordinates.





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## Resources

Otsego County Codes performs the floodplain administration duties for the town. The Planning Board assists with the review of permits and inspections.

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## Compliance History

The town is currently in good standing with the NFIP. According to NYSDEC, the town has not had a recent compliance audit.

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## Regulatory

The town's flood damage prevention ordinance meets the minimum set by FEMA and New York State. It was adopted on January 29, 2017.

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

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

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## Planning

### Existing Integration

**Comprehensive Plan:** The town's comprehensive plan was adopted on January 15, 2018. It provides details regarding natural hazard risk areas, including floodplains and steep slopes. Additionally, the comprehensive plan discusses the Otsego County Hazard Mitigation Plan.

### Opportunities for Future Integration

The town could develop additional planning documents which contain information about hazards and refer to the county HMP.

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## Regulatory and Enforcement (Ordinances)

### Existing Integration

**Land Use and Zoning:** The town land use is guided by zoning and subdivision regulations and a permit system. Richfield's Land Use and Building Management Ordinance was adopted on September 10, 1992, and amended in 2004 and 2005. Currently, the town has 3 primary zoning districts. "RAC-R40: One Acre Residential Agriculture Commercial" is the predominant zoning category at 98.9 percent. RS Recreational and Seasonal Commercial covers a small portion of land around Canadarago Lake. As defined in the Ordinance, "the boundaries for Recreational and Seasonal District shall be 300 feet from the high water mark of Canadarago Lake. Canadarago Lake shall be the natural lake, which does not include the wetland at the North end of the Lake". The FPD – Flood Protection District is an overlay district around waterbodies. The FPD, as established in 1992 corresponded with Flood boundaries established by FEMA. The ordinance is in the process of being updated.

**Flood Damage Prevention Law:** Local Law #1 of 2011-titled "A local law for Flood Damage Prevention as authorized by the NYS Constitution, Article IX, Section 2, and Environmental Conservation Law, Article 36,"



outlines enhanced considerations for development in FEMA designated flood prone areas and supersedes the provisions of the FPD.

### Opportunities for Future Integration

The Zoning Law is in the process of being updated.

### Operational and Administration

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#### Existing Integration

**Planning Board:** The Planning Board uses wetland and floodplains when to guide their decisions with respect to natural hazard risk management. The Planning Board also does State Environmental Quality Review for the town.

**Zoning Board of Appeals:** The Zoning Board of Appeals meets on an as needed basis.

### Opportunities for Future Integration

Municipal staff could receive training on hazard mitigation topics.

### Funding

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#### Existing Integration

The municipal budget includes a line item for culvert replacement. By replacing culverts in the town, it helps reduce or eliminate road washouts, roadway flooding, erosion, and property damage.

### Opportunities for Future Integration

The town should consider applying for mitigation-related grant funding to fund projects that would help make the town more resilient to natural hazard events.

### Education and Outreach

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#### Existing Integration

Municipal staff is trained and attends professional education courses related to natural hazard risk reduction for the town.

The town maintains a website (<http://www.townofrichfieldny.com/page/page/8943785.htm>) that provides municipal news and alerts, local laws, calendar of events, and information on local officials and staff. The town provides handouts to residents at the town hall that include information on natural hazards and what to do in the event of an event.

### Opportunities for Future Integration

The town could include a section on their municipal website that includes information on natural hazard risk management.

### Sheltering, Evacuation, and Temporary Housing

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Temporary housing, evacuation routes, and sheltering measures must be in place and available for public awareness to protect residents, mitigate risk, and relocate residents, if necessary, to maintain post-disaster social and economic stability.



### Evacuation and Sheltering Needs

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The town identified the following as potential shelter locations for residents:

- Richfield Springs Central School located on Main Street. The capacity of the facility is 500 people and it is ADA compliant and has backup power.
- Richfield Town Hall located on James Street can accommodate up to 50 people. It is ADA compliant and has backup power.

The town did not identify any formal evacuation routes. The town follows evacuation orders issued by Otsego County.

### Temporary and Permanent Housing

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The town identified the Richfield Springs Central School property, located on Main Street, as a potential site for the placement of temporary housing. This location is approximately 10 acres in size and is vacant. The property would need electric, water, and sewer hook-ups to accommodate temporary housing.

The town indicated that they do not have any potential sites suitable for relocating houses out of the floodplain and/or building new homes once properties in the floodplain are acquired but would work with Otsego County to find appropriate locations.

### 9.28.6 Mitigation Strategy and Prioritization

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

#### Past Mitigation Initiative Status

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The following table indicates progress on the community's mitigation strategy identified in the 2013 Plan. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and also can be found under 'Capability Assessment' presented previously in this annex.



Table 9.28-11. Status of Previous Mitigation Actions

| Project # | Project  | Hazard(s) Addressed | Brief Summary of the Original Problem   | Responsible Party  | Status (In Progress, Ongoing Capability, No Progress, Complete) | Evaluation of Success (if project status is complete) |                                      | Next Steps<br>1. Project to be included in 2021 HMP or Discontinue<br>2. If including action in the 2021 HMP, revise/reword to be more specific (as appropriate).<br>3. If discontinue, explain why.  |
|-----------|--|---------------------|---|--|---|---|--------------------------------------|---|
|           |  |                     |   |  |   | Cost  | Damages Avoided; Evidence of Success |   |
| 1         | Upgrade existing storm drainage system to improve runoff.  | Flood               | With heavy rains, the rain water runoff is substantial causing damage to streets/sidewalk areas and property. | Public Works   | Ongoing Capability  |   |                                      | 1. Discontinue<br>2.<br>3. This is an ongoing capability for the town and a project they do on a day-to-day basis.  |
| 2         | Develop, coordinate, and implement a program to identify public or private land to place temporary short-term and long-term housing units for residents displaced by a disaster. | Flood               |   | Emergency Services, Public Works, Hazard Mitigation Committee Rep. | Ongoing Capability  |   |                                      | 1. Discontinue<br>2.<br>3. This is an ongoing capability for the town and a project they do on a day-to-day basis.  |
| 3         | Develop, coordinate, and implement a program to protect critical facilities to the 500-year flood before, during, and following a flood event.                                   | Flood               |   | Emergency Services, Public Works, Hazard Mitigation Committee Rep. | No Progress   |   |                                      | 1. Include in the 2021 HMP<br>Notify the facility owner of the wastewater treatment plan, informing them the facility is located in the 100-year floodplain and might be susceptible to flood damage. Provide a list of mitigation activities the facility owner can do to protect the facility to the 500-year flood event or worst-case scenario.<br>2.<br>3. - |



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

The Town of Richfield has performed ongoing maintenance projects to reduce the impact of flooding but has not identified specific mitigation projects/activities that were completed but not identified in the previous mitigation strategy in the 2013 Plan.

### **Proposed Hazard Mitigation Initiatives for the Plan Update**

Table 9.28-12 summarizes the comprehensive-range of specific mitigation initiatives the Town of Richfield would like to pursue in the future to reduce the effects of hazards. Some of these initiatives might be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and can be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the 4 FEMA mitigation action categories and the 6 CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

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

Table 9.28-13 provides a summary of the prioritization of all proposed mitigation initiatives for the plan update.



Table 9.28-12. Proposed Hazard Mitigation Initiatives

| Project Number | Project Name  | Goals Met | Hazard(s) to be Mitigated | Description of Problem   | Description of Solution | Critical Facility (Yes/No) | EHP Issues     | Estimated Timeline                                     | Lead Agency | Estimated Costs   | Estimated Benefits                           | Potential Funding Sources | Priority         | Mitigation Category/ CRS Category |
|----------------|---|-----------|---------------------------|--|-------------------------|----------------------------|----------------|--|-------------|---|--|---------------------------|------------------|-----------------------------------|
| T. Richfield-1 | Critical Facility in Floodplain – Wastewater Facility | 2         | Flood                     | <p><b>Problem:</b> The wastewater facility is an identified critical facility in the town and located within the 100-year floodplain. Due to its location, it is vulnerable to flood damage that can impact the services it provides to the community.</p> <p><b>Solution:</b> The town will work with the owner of the wastewater treatment plan, informing them the facility is located in the 100-year floodplain and could be susceptible to flood damage. The town will work with the facility owner to determine possible actions to protect the facility to the 500-year flood event or worst-case scenario. The town will then assist the facility owner with implementing the selected mitigation action.</p> | Yes                     | No                         | Within 5 years | Town Board, Floodplain Administrator, Facility manager | <\$10,000   | Educate property owner of benefits of mitigating property, protect facility from flooding | Municipal Budget, Facility budget, HMGP, PDM | Medium                    | EAP, SIP/ PI, PP |                                   |
| T. Richfield-2 | Repetitive Loss Properties                            | 2, 4      | Flood                     | <p><b>Problem:</b> There are four RL properties located in the town. These properties are susceptible to flood damages and have a history of damages. Without mitigation, they will continue to experience flood-related damages.</p> <p><b>Solution:</b> The town will provide property owners with mitigation options, including elevation and acquisition. If owners choose to mitigate, the town will work with them to apply for grant funding.</p>   | No                      | No                         | Within 1 year  | Town Board, Floodplain Administrator                   | <\$10,000   | Educate residents; protect property from flooding   | Municipal Budget                             | Medium                    | EAP/ PI          |                                   |
| T. Richfield-3 | Elevation of Residential Homes                        | 2, 4      | Flood                     | <p><b>Problem:</b> Homes around Canadarago Lake are susceptible to flooding during higher lake levels. Many homes experience water in their living space and damages every few years.</p>  | No                      | None                       | Within 1 year  | Town Planning Board working with County                | <\$10,000   | Educate residents, protect properties from future   | Municipal budget                             | Medium                    | EAP/ PI          |                                   |



| Project Number | Project Name   | Goals Met | Hazard(s) to be Mitigated | Description of Problem  | Description of Solution   | Critical Facility (Yes/No) | EHP Issues | Estimated Timeline | Lead Agency         | Estimated Costs | Estimated Benefits   | Potential Funding Sources | Priority | Mitigation Category/CRS Category |
|----------------|--|-----------|---------------------------|---|---|----------------------------|------------|--------------------|---------------------|-----------------|--|---------------------------|----------|----------------------------------|
|                |  |           |                           | <p><b>Solution:</b> The town will work with the individual homeowners to identify the best solutions to mitigate their properties. If homeowners chose to elevate, the town will seek grant funding.</p>  |   |                            |            |                    |                     |                 | flooding   |                           |          |                                  |
| T. Richfield-4 | Public Education and Outreach Program on Natural Hazards | 4         | All hazards               | <p><b>Problem:</b> Currently, the town’s website does not contain information regarding natural hazards or ways to reduce risk. Many residents use the town’s website to get updates on town activities, upcoming events, and who to contact for different needs.</p> | <p><b>Solution:</b> The town will develop a public education and outreach program to incorporate on their municipal website. This information will include what residents should do prior to, during, and after an event. Outreach materials the town could consider include: informing homeowners on the different types of hazard insurance available; providing information on how to prepare an emergency kit (food, water, supplies, etc.); teaching residents how to use generators correctly; and providing links to federal, state, and county websites for additional information.</p> | No                         | None       | Within 1 year      | Town Planning Board | <\$10,000       | Educate residents; increase awareness and preparedness for hazard events | Municipal budget          | Medium   | EAP/PI                           |



Notes:

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

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

Acronyms and Abbreviations:

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

Potential FEMA HMA Funding Sources:

|      |   |
|------|---|
| FMA  | Flood Mitigation Assistance Grant Program |
| HMGP | Hazard Mitigation Grant Program           |
| PDM  | Pre-Disaster Mitigation Grant Program     |

Timeline:

The time required for completion of the project upon implementation.

Cost:

The estimated cost for implementation.

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative.

Mitigation Category:

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

CRS Category:

- Preventative Measures (PR) - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- Property Protection (PP) - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- Public Information (PI) - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.
- Natural Resource Protection (NR) - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
- Structural Flood Control Projects (SP) - Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.
- Emergency Services (ES) - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities.

Critical Facility:


- Yes  - Critical Facility is located in the 1% floodplain.





Table 9.28-13. Summary of Prioritization of Actions

| Project Number | Project Name   | Life Safety | Property Protection | Cost-Effectiveness | Technical | Political | Legal | Fiscal | Environmental | Social | Administrative | Multi-Hazard | Timeline | Agency Champion | Other Community Objectives | Total | High / Medium / Low |
|----------------|--|-------------|---------------------|--------------------|-----------|-----------|-------|--------|---------------|--------|----------------|--------------|----------|-----------------|----------------------------|-------|---------------------|
| T. Richfield-1 | Critical Facility in Floodplain – Wastewater Facility    | 0           | 1                   | 1                  | 1         | 0         | 0     | 0      | 1             | 1      | 1              | 0            | 0        | 1               | 1                          | 8     | Medium              |
| T. Richfield-2 | Repetitive Loss Properties                               | 0           | 1                   | 1                  | 1         | 0         | 0     | 1      | 1             | 1      | 1              | 0            | 1        | 0               | 0                          | 8     | Medium              |
| T. Richfield-3 | Elevation of Residential Homes                           | 0           | 1                   | 1                  | 1         | 0         | 0     | 1      | 1             | 1      | 1              | 0            | 1        | 0               | 0                          | 8     | Medium              |
| T. Richfield-4 | Public Education and Outreach Program on Natural Hazards | 1           | 1                   | 1                  | 1         | 0         | 0     | 1      | 1             | 1      | 1              | 1            | 1        | 0               | 0                          | 10    | Medium              |

Note: Section 6 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions.



### **9.28.7 Future Needs To Better Understand Risk/Vulnerability**

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None at this time.

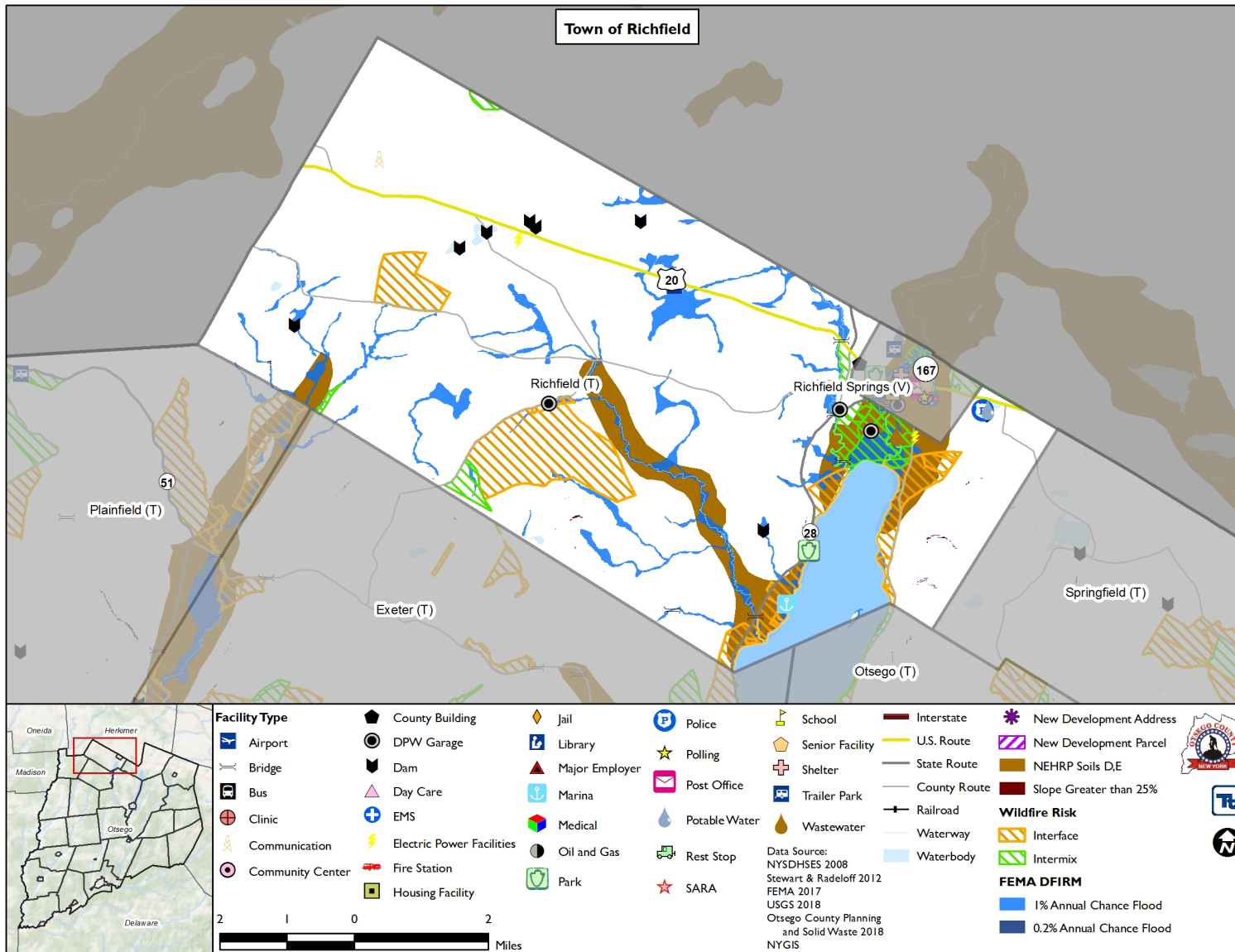
### **9.28.8 Hazard Area Extent and Location**

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A hazard area extent and location map has been generated for the Town of Richfield that illustrates the probable areas impacted within the municipality. The map is based on the best available data at the time of the preparation of this plan and is adequate for planning purposes. The map has been generated only for those hazards that can be clearly identified using mapping techniques and technologies and for which the Town of Richfield has significant exposure. The map is illustrated below.



Figure 9.28-1. Town of Richfield Hazard Area Extent and Location Map





### **9.28.9 Staff and Local Stakeholder Involvement in Annex Development**

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The Town of Richfield followed the planning process described in Section 3 (Planning Process). This annex was developed over the course of several months with input from many town departments, including the Supervisor and Highway Superintendent. The Supervisor represented the community on the Otsego County Hazard Mitigation Plan Planning Partnership and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization.

Additional documentation on the municipality’s planning process through Planning Partnership meetings is included in Section 3 (Planning Process) and Appendix C (Meeting Documentation).



| Town of Richfield Action Worksheet  |   |   |   |
|---|---|---|---|
| <b>Project Name:</b>  | Critical Facility in Floodplain – Wastewater Facility   |   |   |
| <b>Project Number:</b>  | T. Richfield-1  |   |   |
| <b>Risk / Vulnerability</b>   |   |   |   |
| <b>Hazard(s) of Concern:</b>  | Flood   |   |   |
| <b>Description of the Problem:</b>  | The wastewater facility is an identified critical facility in the town and located within the 100-year floodplain. Due to its location, it is vulnerable to flood damage and may impact the services it provides to the community.  |   |   |
| <b>Action or Project Intended for Implementation</b>  |   |   |   |
| <b>Description of the Solution:</b>   | The town will work with the owner of the wastewater treatment plan, informing them the facility is located in the 100-year floodplain and might be susceptible to flood damage. The town will work with the facility owner to determine possible actions to protect the facility to the 500-year flood event or worst-case scenario. The town will then assist the facility owner with implementing the selected mitigation action. |   |   |
| <b>Is this project related to a Critical Facility?</b>  | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>   |   |
| <b>Is this project related to a Critical Facility located within the 100-year floodplain?</b>   | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/>   |   |
| (If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater) |   |   |   |
| <b>Level of Protection:</b>   | 100-year  | <b>Estimated Benefits (losses avoided):</b>                           | Educate property owner of benefits of mitigating property, protect facility from flooding |
| <b>Useful Life:</b>   | 20 years  | <b>Goals Met:</b>   | 2, 4  |
| <b>Estimated Cost:</b>  | <\$10,000   | <b>Mitigation Action Type:</b>  | Education and Awareness Project, Structure and Infrastructure Project                     |
| <b>Plan for Implementation</b>  |   |   |   |
| <b>Prioritization:</b>  | Medium  | <b>Desired Timeframe for Implementation:</b>                          | 6 months  |
| <b>Estimated Time Required for Project Implementation:</b>  | Within 5 years  | <b>Potential Funding Sources:</b>                                     | Municipal budget  |
| <b>Responsible Organization:</b>  | Town Board, Floodplain Administrator, Facility manager  | <b>Local Planning Mechanisms to be Used in Implementation if any:</b> | Hazard Mitigation   |
| <b>Three Alternatives Considered (including No Action)</b>  |   |   |   |
| <b>Alternatives:</b>  | <b>Action</b>   | <b>Estimated Cost</b>   | <b>Evaluation</b>   |
|   | No Action   | \$0   | Problem continues.  |
|   | Relocate Wastewater Plant out of floodplain   | \$Millions  | Not cost effective  |
|   | Conduct outreach but do not support mitigation  | <\$100  | Protection project less likely to take place, critical facility remains vulnerable        |
| <b>Progress Report (for plan maintenance)</b>   |   |   |   |
| <b>Date of Status Report:</b>   |   |   |   |
| <b>Report of Progress:</b>  |   |   |   |
| <b>Update Evaluation of the Problem and/or Solution:</b>  |   |   |   |



| Action Worksheet               |   |   |
|--------------------------------|---|---|
| <b>Project Name:</b>           | Critical Facility in Floodplain – Wastewater Facility |   |
| <b>Project Number:</b>         | T. Richfield-1  |   |
| Criteria                       | Numeric Rank<br>(-1, 0, 1)                            | Provide brief rationale for numeric rank when appropriate   |
| Life Safety                    | 0   |   |
| Property Protection            | 1   | The project will protect the facility from future flood damages.                                    |
| Cost-Effectiveness             | 1   |   |
| Technical                      | 1   |   |
| Political                      | 0   |   |
| Legal                          | 0   | The town does not have jurisdiction.  |
| Fiscal                         | 0   | The town can use municipal budget to complete the outreach and grant funding to conduct mitigation. |
| Environmental                  | 1   |   |
| Social                         | 1   |   |
| Administrative                 | 1   |   |
| Multi-Hazard                   | 0   | Flood   |
| Timeline                       | 0   | Within 5 years  |
| Agency Champion                | 1   |   |
| Other Community Objectives     | 1   |   |
| <b>Total</b>                   | 8   |   |
| <b>Priority (High/Med/Low)</b> | Medium  |   |



| Town of Richfield Action Worksheet  |   |   |   |
|---|---|---|---|
| <b>Project Name:</b>  | Elevation of Residential Homes  |   |   |
| <b>Project Number:</b>  | T. Richfield-3  |   |   |
| <b>Risk / Vulnerability</b>   |   |   |   |
| <b>Hazard(s) of Concern:</b>  | Flood   |   |   |
| <b>Description of the Problem:</b>  | Homes around Canadarago Lake are susceptible to flooding during higher lake levels. Many homes experience water in their living space and experience damages every few years.       |   |   |
| <b>Action or Project Intended for Implementation</b>  |   |   |   |
| <b>Description of the Solution:</b>   | The Town will work with the individual homeowners in identifying the best solutions to mitigate their properties. If homeowners chose to elevate, the Town will seek grant funding. |   |   |
| <b>Is this project related to a Critical Facility?</b>  | Yes <input type="checkbox"/>  | No <input checked="" type="checkbox"/>                                |   |
| <b>Is this project related to a Critical Facility located within the 100-year floodplain?</b>   | Yes <input type="checkbox"/>  | No <input checked="" type="checkbox"/>                                |   |
| (If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater) |   |   |   |
| <b>Level of Protection:</b>   | 100-year  | <b>Estimated Benefits (losses avoided):</b>                           | Educate residents; protect property from flooding             |
| <b>Useful Life:</b>   | 20 years  | <b>Goals Met:</b>   | 2, 4  |
| <b>Estimated Cost:</b>  | <\$10,000   | <b>Mitigation Action Type:</b>  | Education and Awareness Programs (EAP)                        |
| <b>Plan for Implementation</b>  |   |   |   |
| <b>Prioritization:</b>  | Medium  | <b>Desired Timeframe for Implementation:</b>                          | 6 months  |
| <b>Estimated Time Required for Project Implementation:</b>  | Within 1 year   | <b>Potential Funding Sources:</b>                                     | Municipal budget  |
| <b>Responsible Organization:</b>  | Town Planning Board working with the County   | <b>Local Planning Mechanisms to be Used in Implementation if any:</b> | Hazard Mitigation   |
| <b>Three Alternatives Considered (including No Action)</b>  |   |   |   |
| <b>Alternatives:</b>  | <b>Action</b>   | <b>Estimated Cost</b>   | <b>Evaluation</b>   |
|   | No Action   | \$0   | Problem continues.  |
|   | Acquire properties as only option   | \$200,000   | Homeowners may not want to move; loss of tax base in the town |
|   | Relocate homes  | \$200,000+  | Might not have homes available in the town; costly            |
| <b>Progress Report (for plan maintenance)</b>   |   |   |   |
| <b>Date of Status Report:</b>   |   |   |   |
| <b>Report of Progress:</b>  |   |   |   |
| <b>Update Evaluation of the Problem and/or Solution:</b>  |   |   |   |



| Action Worksheet               |                                |  |
|--------------------------------|--------------------------------|--|
| <b>Project Name:</b>           | Elevation of Residential Homes |  |
| <b>Project Number:</b>         | T. Richfield-3                 |  |
| Criteria                       | Numeric Rank<br>(-1, 0, 1)     | Provide brief rationale for numeric rank when appropriate  |
| Life Safety                    | 1                              | Project will protect residents from future flood damages.  |
| Property Protection            | 1                              | Project will protect homes from future flood damages.  |
| Cost-Effectiveness             | 1                              | The benefits of elevating homes outweigh the costs because it reduces or eliminates flood-related damages. |
| Technical                      | 1                              |  |
| Political                      | 0                              |  |
| Legal                          | 0                              | The town does not have jurisdiction over the homes and would need to work with the homeowners.             |
| Fiscal                         | 1                              | The town can use municipal budget to complete the outreach and grant funding to complete the elevations.   |
| Environmental                  | 1                              |  |
| Social                         | 1                              |  |
| Administrative                 | 1                              |  |
| Multi-Hazard                   | 0                              | Flood  |
| Timeline                       | 1                              |  |
| Agency Champion                | 0                              |  |
| Other Community Objectives     | 0                              |  |
| <b>Total</b>                   | 9                              |  |
| <b>Priority (High/Med/Low)</b> | Medium                         |  |



| Town of Richfield Action Worksheet  |  |   |   |
|---|--|---|---|
| <b>Project Name:</b>  | Public Education and Outreach Program on Natural Hazards   |   |   |
| <b>Project Number:</b>  | T. Richfield-4   |   |   |
| <b>Risk / Vulnerability</b>   |  |   |   |
| <b>Hazard(s) of Concern:</b>  | All hazards  |   |   |
| <b>Description of the Problem:</b>  | Currently, the town's website does not contain information regarding natural hazards or ways to reduce risk. Many residents use the town's website to get updates on what is going on in the town, upcoming events, and who to contact for different needs.  |   |   |
| <b>Action or Project Intended for Implementation</b>  |  |   |   |
| <b>Description of the Solution:</b>   | The town will develop a public education and outreach program to incorporate on their municipal website. This information will include what residents should do prior to, during, and after an event. Outreach materials the town could consider include: informing homeowners on the different types of hazard insurance available; providing information on how to prepare an emergency kit (food, water, supplies, etc.); teaching residents how to use generators correctly; and providing links to federal, state and county websites for additional information. |   |   |
| <b>Is this project related to a Critical Facility?</b>  | Yes <input type="checkbox"/>   | No <input checked="" type="checkbox"/>                                |   |
| <b>Is this project related to a Critical Facility located within the 100-year floodplain?</b>   | Yes <input type="checkbox"/>   | No <input checked="" type="checkbox"/>                                |   |
| (If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater) |  |   |   |
| <b>Level of Protection:</b>   | N/A  | <b>Estimated Benefits (losses avoided):</b>                           | Educate residents; increase awareness and preparedness for hazard events                |
| <b>Useful Life:</b>   | N/A  | <b>Goals Met:</b>   | 4   |
| <b>Estimated Cost:</b>  | <\$10,000  | <b>Mitigation Action Type:</b>  | Education and Awareness Programs (EAP)  |
| <b>Plan for Implementation</b>  |  |   |   |
| <b>Prioritization:</b>  | Medium   | <b>Desired Timeframe for Implementation:</b>                          | 6 months  |
| <b>Estimated Time Required for Project Implementation:</b>  | Within 1 year  | <b>Potential Funding Sources:</b>                                     | Municipal budget  |
| <b>Responsible Organization:</b>  | Town Planning Board  | <b>Local Planning Mechanisms to be Used in Implementation if any:</b> | Hazard Mitigation   |
| <b>Three Alternatives Considered (including No Action)</b>  |  |   |   |
| <b>Alternatives:</b>  | <b>Action</b>  | <b>Estimated Cost</b>   | <b>Evaluation</b>   |
|   | No Action  | \$0   | Problem continues.  |
|   | Provide information door-to-door during a disaster   | <\$5,000  | Not feasible and not effective; does not tell residents how to prepare before an event  |
|   | Purchase portable sign boards  | \$15,000  | While they provide a way to send out information, not everyone will see the sign boards |
| <b>Progress Report (for plan maintenance)</b>   |  |   |   |
| <b>Date of Status Report:</b>   |  |   |   |
| <b>Report of Progress:</b>  |  |   |   |
| <b>Update Evaluation of the Problem and/or Solution:</b>  |  |   |   |



| Action Worksheet               |  |   |
|--------------------------------|--|---|
| <b>Project Name:</b>           | Public Education and Outreach Program on Natural Hazards |   |
| <b>Project Number:</b>         | T. Richfield-4   |   |
| Criteria                       | Numeric Rank (-1, 0, 1)                                  | Provide brief rationale for numeric rank when appropriate   |
| Life Safety                    | 1  | This project will be effective at educating residents on protecting themselves during a hazard event.     |
| Property Protection            | 1  | This project will be effective at educating residents on protecting their property during a hazard event. |
| Cost-Effectiveness             | 1  |   |
| Technical                      | 1  | The town has the capabilities to complete this project.   |
| Political                      | 0  |   |
| Legal                          | 0  |   |
| Fiscal                         | 1  | Municipal budget  |
| Environmental                  | 1  |   |
| Social                         | 1  |   |
| Administrative                 | 1  |   |
| Multi-Hazard                   | 1  | All hazards   |
| Timeline                       | 1  | To be completed within 5 years  |
| Agency Champion                | 0  |   |
| Other Community Objectives     | 0  |   |
| <b>Total</b>                   | 10   |   |
| <b>Priority (High/Med/Low)</b> | Medium   |   |