

**Business of the Village Board
Village of Saranac Lake**

SUBJECT: Franklin County Multi-Jurisdictional Hazard Mitigation Plan

DATE: 6-27-2022

DEPT OF ORIGIN: Mayor Williams

BILL # 98-2022

DATE SUBMITTED: 6-14-2022

EXHIBITS: _____

APPROVED AS TO FORM:

Village Attorney

Village Administration

EXPENDITURE
REQUIRED

AMOUNT
BUDGETED

APPROPRIATION
REQUIRED:

Resolution to adopt the Franklin County Multi-Jurisdictional Hazard Mitigation Plan as this jurisdictions natural hazard mitigation plan

MOVED BY: _____ SECONDED BY: _____

VOTE ON ROLL CALL:

MAYOR WILLIAMS _____

TRUSTEE BRUNETTE _____

TRUSTEE CATILLAZ _____

TRUSTEE SCOLLIN _____

TRUSTEE SHAPIRO _____

Village of Saranac Lake

Village Board

39 Main Street, Saranac Lake, NY

RESOLUTION

WHEREAS, the Village of Saranac Lake, with the assistance from Friends of the North Country, has gathered information and prepared the Franklin County Multi-Jurisdictional Hazard Mitigation Plan and

WHEREAS, the Franklin County Multi-Jurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS, the Village of Saranac Lake is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan; and

WHEREAS, the Village of Saranac Lake has reviewed the Plan and affirms that the Plan will be updated no less than every five years;

NOW THEREFORE, BE IT RESOLVED by the Village Board that the Village of Saranac Lake, adopts the Franklin County Multi-Jurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan and resolves to execute the actions in the Plan.

ADOPTED this _____ day of _____ 2022, at the meeting of the Village Board.

Mayor

Clerk

**Franklin County Multi-Jurisdictional
Hazard Mitigation Plan Update 2020**



**Town of Harrietstown
Village of Saranac Lake**

The Town of Harrietstown is in the southeastern region of Franklin County. The town has Essex County on the eastern boundary and Essex and Hamilton County on its southern border. The towns of Brighton and Santa Clara are the northern border of the town, with the Town of Tupper Lake on the west. The Town of Harrietstown is in the Adirondack Park. The Village of Saranac Lake is in the east, divided between Franklin and Essex County.

Town/Village	Town of Harrietstown
Land Area	213.7 square miles (136,768 acres) - 196.9 square miles (126,016 acres) land & 16.8 square miles (10,752 acres) water
Incorporated Villages	Village of Saranac Lake
Hamlets	Axon Landing, Harrietstown, Lake Clear, Lake Clear Junction, Lake Colby, McMasters Crossing, Wawbeek
Population (ACS 2018)	5,507
Population Density	26.72 people/square mile
Governance	Supervisor and Town Board
Total Assessed Value	736,275,174
Elevation	1,568 feet
Largest Lakes	Kiawassa Lake, Lower Saranac Lake
Bridges	5
State Routes	3, 30, 86, 186
Fire & Rescue	Harrietstown Fire Dept.
Schools	Saranac Lake Central Schools
Law Enforcement	Franklin County Sheriff's Department, NYS Police
Power Utility Provider	National Grid
Water Supply Sources	Private Wells
Population Median Income	\$31,536
Unemployment	3.3%
% Below Poverty	12.6%

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Town/Village	Village of Saranac Lake
Land Area	3.0 square miles (1,920 acres) - 2.8 square miles (1,792 acres) land & 0.23 square miles (147.2 acres) water
Population (ACS 2018)	5,242
Population Density	1,802 people/square mile
Governance	Mayor and Village Board of Trustees
Total Assessed Value	277,406,451
Elevation	1,545 feet
Bridges	7
State Routes	3, 86
Fire & Rescue	Harrietstown Fire Department
Schools	Saranac Lake Central School District
Law Enforcement	Franklin County Sheriff's Department, NYS Police
Power Utility Provider	National Grid
Water Supply Sources	Community/Public
Population Median Income	\$30,170
Unemployment	4.6%
% Below Poverty	22.1%

Water Shed Data

A watershed is the land that drains, or sheds, its water to a defined receiving water, such as a wetland, river, lake, coastal embayment, or ocean.

St. Lawrence River Watershed

River	Town (S)	Sq. Miles
Raquette River	Tupper Lake; Harrietstown	1259.6
St. Regis River	Santa Clara; Waverly; Brandon; Brighton; Duane; Dickinson; Moira; St. Regis Mohawk	863.2
Salmon River	Franklin; Malone; Brighton; Bombay; Moira; Ft. Covington; Westville; Dickinson; Belmont; Constable	405.6
Chateaugay-English River	Chateaugay; Burke; Belmont; Constable	411.6

Lake Champlain Watershed

River	Town (S)	Sq. Miles
Saranac River	Brighton; Belmont; Duane; Santa Clara; Harrietstown; Tupper Lake; Franklin	608.1

Town of Harrietstown/Saranac Lake officials consider the following hazards to be a high-risk level; severe winter storm, extreme cold and flood/flash floods often resulting from spring thaw and heavy rains.

The Town of Harrietstown elects a supervisor and four councilors to manage town developments including hazard mitigation, budget decisions and expansion. The town Highway Department maintains the town roads and a Code Enforcement Officer enforces the NYS Building Codes within the town. The local fire

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department is a volunteer organization. The Village of Saranac Lake elects a mayor and four trustees and employs a Village Manager to oversee operations. Harrietstown has a Zoning Plan, and the village of Saranac Lake has a Zoning Plan, as well as a Comprehensive Plan, Waterfront Revitalization Plan, and a Smart Growth Plan. Located within the Adirondack Park, land use in the town of Harrietstown and Village of Saranac Lake is determined by Park regulations.

Critical Facilities with assessed values.

Town of Harrietstown

Adirondack Regional Airport	Rte. 186 Lake Clear, NY	\$4,000,000
Adirondack Medical Center	Rte. 86 Saranac Lake, NY	\$25,000,000
Franklin County highway Garage	Rte. 186 Lake Clear, NY	\$500,000
Adirondack ARC	Trudeau Rd. Saranac Lake, NY	\$417,000

Village of Saranac Lake

Wastewater Treatment Plant	690 Bloomingdale Ave. Saranac Lake, NY	\$75,000,000
Water Treatment Plant	690 Bloomingdale Ave. Saranac Lake, NY	\$4,500,000
Pisgah Water Tank	Pisgah Dr. Saranac Lake, NY	\$2,000,000
View St. Water Tank	View St. Saranac Lake, NY	\$4,000,000
Bloomingdale Lift Station	Bloomingdale Ave. Saranac Lake, NY	\$3,000,000
Turtle Pond Lift Station	Turtle Pond Saranac Lake, NY	\$150,000
Lake Flower Lift Station	Lake Flower, NY	\$2,500,000
NiMo Lift Station	Rte. 86 Saranac Lake, NY	\$2,000,000
Pisgah Communication Tower	Mt. Pisgah Saranac Lake, NY	\$300,000

Future Development

The Town and the Village anticipate future development will include the refurbishing of the Children’s Museum and of the Auditorium.

NFIP

According to the Community Status Book, the Town of Harrietstown and the Village of Saranac Lake participate in NFIP. Participation in NFIP requires a community to adopt and enforce a floodplain management ordinance to regulate development in floodplains and designate a local floodplain coordinator/administrator. The floodplain administrator for the town and the village is the Code Enforcement Officer. The town continues to regulate development, including within floodplain areas.

Repetitive Loss Data – According to the NYS Hazard-Mitigation Plan, both the Town and Village, have no repetitive loss properties.

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The chart below represents parcels located in the Town of Harrietstown and the Village of Saranac Lake substantially within the 100-year floodplain.

Municipality	Number of Parcels	Value
HARRIETSTOWN	214	\$53,464,400
Recreation & Entertainment	1	\$63,800
Residential	204	\$53,256,400
Vacant	7	\$144,200
Wild, Forested, Conservation Land & Public Parks	2	\$0
SARANAC LAKE (HARRIETSTOWN)	65	\$12,493,700
Commercial	29	\$6,761,500
Community Services	1	\$230,000
Industrial	1	\$259,200
Residential	28	\$5,229,000
Vacant	6	\$14,000

Past Events

The chart below indicates property damage events specific to the Town of Harrietstown/Village of Saranac Lake occurring since the 2015 plan. However countywide events must also be considered.

Date	Type	Property Damage	Details
6/9/2015	Thunderstorm/Wind/Hail	5K	Saranac Lake Area
6/28/2016	Flash Flood Heavy rain	50K	Rte. 86 Washout Saranac Lake to Lake Colby
3/13/2018-3/14/2018	Winter Storm	N/A	12" of Snow
5/4/2018	Thunderstorm/High Winds	20K	Lake Clear Area - Power Outages/Trees Downed 50 Knots
11/15/2018	Winter Storm	15K	Countywide - Saranac Lake Received 12" of Snow
7/30/2020	Thunderstorm/High Winds	5K	Lake Clear/Saranac Lake 52 Knots

In case of a natural hazard emergency a list of Emergency Shelters for the town is in Appendix D (also found in the Franklin County CEMP). Harrietstown/Saranac Lake will utilize the Town Hall and the Auditorium as emergency shelters. Franklin County Emergency Services has identified major roadways to serve as evacuation routes. In the Town of Harrietstown major roadways are State Routes 3, 186 and 86. At the present time FEMA is upgrading FIRM maps within Franklin County. No properties have been identified as located in floodplain areas. (SFHA) The jurisdiction and County will endeavor to develop a plan for relocating houses out of the floodplain or building new homes once properties in the floodplain are razed. Temporary housing sites may be located on the County Fairgrounds in Malone for residents displaced by a disaster.

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The Town of Harrietstown and the Village of Saranac Lake approved the original Plan in 2008 and the update in 2015. The Town and Village will endeavor to incorporate the Mitigation Goals in the updated plan into future. Town leaders including Supervisor, Highway, and Code Enforcement/Floodplain Administrator along with volunteer fire/emergency personnel will incorporate the Franklin County Mitigation Plan, including specific town mitigation actions into their budget planning, training, and building/construction practices. Located within the Adirondack Park, land use in the town of Harrietstown and Village of Saranac Lake is determined by Park regulations. The town will continue to incorporate their mitigation activities into land use plans in accordance with Adirondack Park Agency regulations. Harrietstown and Saranac Lake will post the Franklin County Hazard Mitigation Plan 2020 on their websites. <https://www.harrietstown.org> and <https://www.saranaclakeny.gov>.

Specific Mitigation Actions: Following pages

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Franklin County Multi-Jurisdictional Hazard Mitigation Plan

Town of Harrietstown			
Action Worksheet			
Project Name:	Donaldson Road		
Project Number:	Town of Harrietstown #1		
Risk / Vulnerability			
Hazard of Concern:	Flooding		
Description of the Problem:	Culvert on Donaldson Road is a deteriorating forty year old cement culvert. This culvert does not handle the flow and as a result flooding occurs due to the size of the culvert and condition of the culvert. The flooding means residents and emergency vehicles have problems getting to the area.		
Description of the Solution:	The Town intends to replace deteriorating, cement culvert with open bottom box culvert. Included will be substrate similar to upstream and downstream, with natural vegetation on the streambanks to slow erosion. DEC will be consulted and their recommendations followed.		
Is this project related to a Critical Facility?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<small>(If yes, this project must extend to protect the Critical Facility to the 500-year flood event or the actual worst damage scenario, whichever is greater.)</small>			
Level of Protection:	High	Estimated Benefits (losses avoided):	Residents and emergency vehicles will have safe access. With DEC consult, fisheries will be protected.
Useful Life:	50 Years		
Estimated Cost:	Medium		
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	2021 -2022
Estimated Time Required for Project Implementation:	1 Year	Potential Funding Sources:	Town Budget, HMGP, Franklin County
Responsible Organization:	Town of Harrietstown	Local Planning Mechanisms to be Used in Implementation, if any:	DEC
Three Alternatives Considered (Including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Deterioration will continue and flooding will limit access for residents and emergency vehicles.
	Detention Pond	High	Town does not own enough property along the stream to provide for this option.
	Elevate road bed	High	Elevating the road bed requires additional funding, and time before the problem is solved. Extensive stretch of road would require elevation.
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			

11. Summarize the evaluation of potential actions and the action selected for implementation. Always consider the benefits and costs. Other criterion might include: Technical Feasibility, Political Support, Legal Authority, Environmental Impacts, positive and negative Social Impacts, and whether the jurisdiction has a person willing to be the Local Champion for implementation and if this person with the full support of the jurisdiction Administratively Capable of implementing the action selected for implementation.

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Franklin County Multi-Jurisdictional Hazard Mitigation Plan

Town of Harrietstown			
Action Worksheet			
Project Name:	Ampersand Road		
Project Number:	Town of Harrietstown #2		
Risk / Vulnerability			
Hazard of Concern:	Flooding		
Description of the Problem:	Culvert on Ampersand Road is a deteriorating sixty year old cement box culvert. This size culvert is unable to handle the flow, and as a result, flooding occurs. After sixty years, the cement of the culvert is deteriorating. The flooding leaves residents and emergency vehicles having problems getting to the area.		
Description of the Solution:	The Town intends to replace deteriorating, cement culvert with open bottom box culvert. Included will be substrate similar to upstream and downstream, with natural vegetation on the streambanks to slow erosion. DEC will be consulted and their recommendations followed.		
Is this project related to a Critical Facility?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<small>(If yes, this project must instead to protect the Critical Facility to the 500-year flood event or the actual worst damage scenario, whichever is greater.)</small>			
Level of Protection:	High	Estimated Benefits (losses avoided):	Residents and emergency vehicles will have safe access.
Useful Life:	50 Years		
Estimated Cost:	Medium		
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	2021 -2022
Estimated Time Required for Project Implementation:	1 Year	Potential Funding Sources:	Town Budget, HMGP, Franklin County
Responsible Organization:	Town of Harrietstown	Local Planning Mechanisms to be Used in Implementation, if any:	DEC
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Deterioration will continue and flooding will limit access for residents and emergency vehicles.
	Detention Pond	High	Town does not own enough property along the stream to provide for this option.
	Elevate road bed	High	Elevating the road bed requires additional funding, and time before the problem is solved. Extensive stretch of road would require elevation.
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			

11. Summarize the evaluation of potential actions and the action selected for implementation. Always consider the benefits and costs. Other criteria might include: Technical Feasibility, Political Support, Local Authority, Environmental Impacts, positive and negative social impacts, and whether the jurisdiction has a person willing to be the Local Champion for implementation and is this person with the full support of the jurisdiction Administratively Capable of implementing the action selected for implementation.

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Franklin County Multi-Jurisdictional Hazard Mitigation Plan

Village of Saranac Lake Action Worksheet			
Project Name:	Waste Water Treatment Plant Upgrade		
Project Number:	V. Saranac Lake #1		
Risk / Vulnerability			
Hazard of Concern:	Village Waste Water Treatment Plant is located at 690 Bloomdale Ave., Village of Saranac Lake.		
Description of the Problem:	<p>In 2011, during a 500-year flood occurrence, severe flooding occurred at Saranac Lake Village Wastewater and Water Treatment Plants. Since the 2011 flooding event, the Village has made improvements to the Wastewater and Water Treatment Plants, in-phases, based on the results of the following studies: 2016 Engineering and Planning Study, 2017 Inflow and Infiltration Study, and 2018 Pollution Water Control Study.</p> <p>While the Village has made phased improvements to the Plants since the 2011 flooding, additional mitigation actions are required to ensure safe operations in times of flooding. The need for additional mitigation actions was further confirmed by FEMA during their 2019 Risk Mapping of the area where they recommended "additional riverine</p>		
Action or Project Intended for Implementation			
Description of the Solution:	<p>To reduce the on-going risk and vulnerabilities to the Plants and based on FEMA recommendations, the Village is currently conducting a Collection Systems Evaluation. (2021 funding) The information obtained from the Collection Systems Evaluation will be utilized for designing and completing the next phase of improvements and for funding options. The mitigation actions to be taken will be determined upon completion of the Collection Systems Evaluation.</p> <p>The Village is making every effort to safeguard the Plants and mitigate risk; to protect people and property from similar events (2011 flood occurrence) and to break the cycle of disaster damage and reconstruction.</p>		
Is this project related to a Critical Facility?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
(If yes, this project must intend to protect the Critical Facility to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	High	Estimated Benefits (losses avoided):	Wastewater Treatment Plant and Water Treatment Plant will continue safe operations even in times of flooding or other natural hazards.
Useful Life:	50 years		
Estimated Cost:	\$30,000,000		
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	Immediate
Estimated Time Required for Project Implementation:	Time frame is dependent on funding and project will be done in stages.	Potential Funding Sources:	EFC funding and potential grants
Responsible Organization:	Village of Saranac Lake	Local Planning Mechanisms to be Used in Implementation, if any:	DEC, Army Corps of Engineers
Three Alternatives Considered (Including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Waste water will continue to contaminate the Saranac River
	Apply for funding to cover total cost	\$30,000,000 estimate	Project upgrades will be complete providing flood protection
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			

[1] Summarize the evaluation of potential actions and the action selected for implementation. Always consider the benefits and costs. Other criterion might include: Technical Feasibility, Political Support, Legal Authority, Environmental Impacts, positive and negative Social Impacts, and whether the jurisdiction has a person willing to be the Local Champion for implementation and is this person with the full support of the jurisdiction Administratively Capable of implementing the action selected for implementation.

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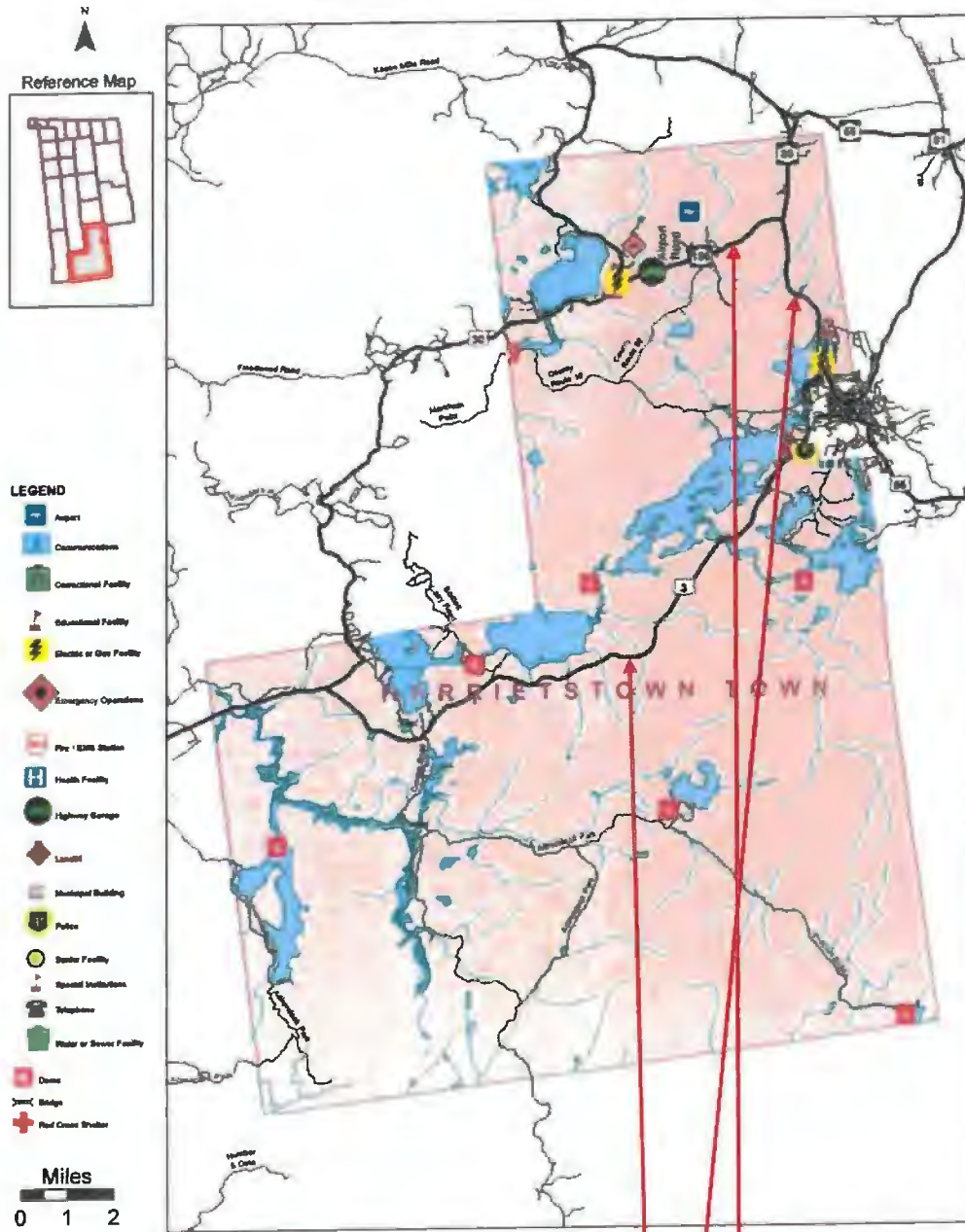
Franklin County Multi-Jurisdictional Hazard Mitigation Plan

Village of Saranac Lake Action Worksheet			
Project Name:	Emergency Generator		
Project Number:	Village of Saranac Lake #2		
Risk / Vulnerability			
Hazard of Concern:	Multi-Hazards		
Description of the Problem:	The Village has a generator for use as needed in various village locations (offices, pump stations) however it is approximately 50 years old and the Village needs to upgrade this equipment in order to be prepared for emergency situations.		
Description of the Solution:	The Village would like to purchase one 30KW standby generator, for use as needed, replacing a generator approximately 50 years old.		
Is this project related to a Critical Facility?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
(If yes, this project must intend to protect the Critical Facility to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	50 years	Estimated Benefits (losses avoided):	Residents will remain safe, secure and healthy in case of a disaster.
Useful Life:	20 years		
Estimated Cost:	High		
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	2021-2022
Estimated Time Required for Project Implementation:	6 months	Potential Funding Sources:	Town funds, HMGP
Responsible Organization:	Village of Saranac Lake	Local Planning Mechanisms to be Used in Implementation, if any:	N/A
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	In the event of a power outage, the Village will not have generator back-up.
	Purchase power packs for use	Medium	Life of "power pack" is limited. Ineffective.
	Solar panel installed to power areas in time of need	High	Impractical. Expensive
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			

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HARRIETSTOWN TOWN CRITICAL FACILITIES



Evacuation Routes – State Route 3, 86, 186

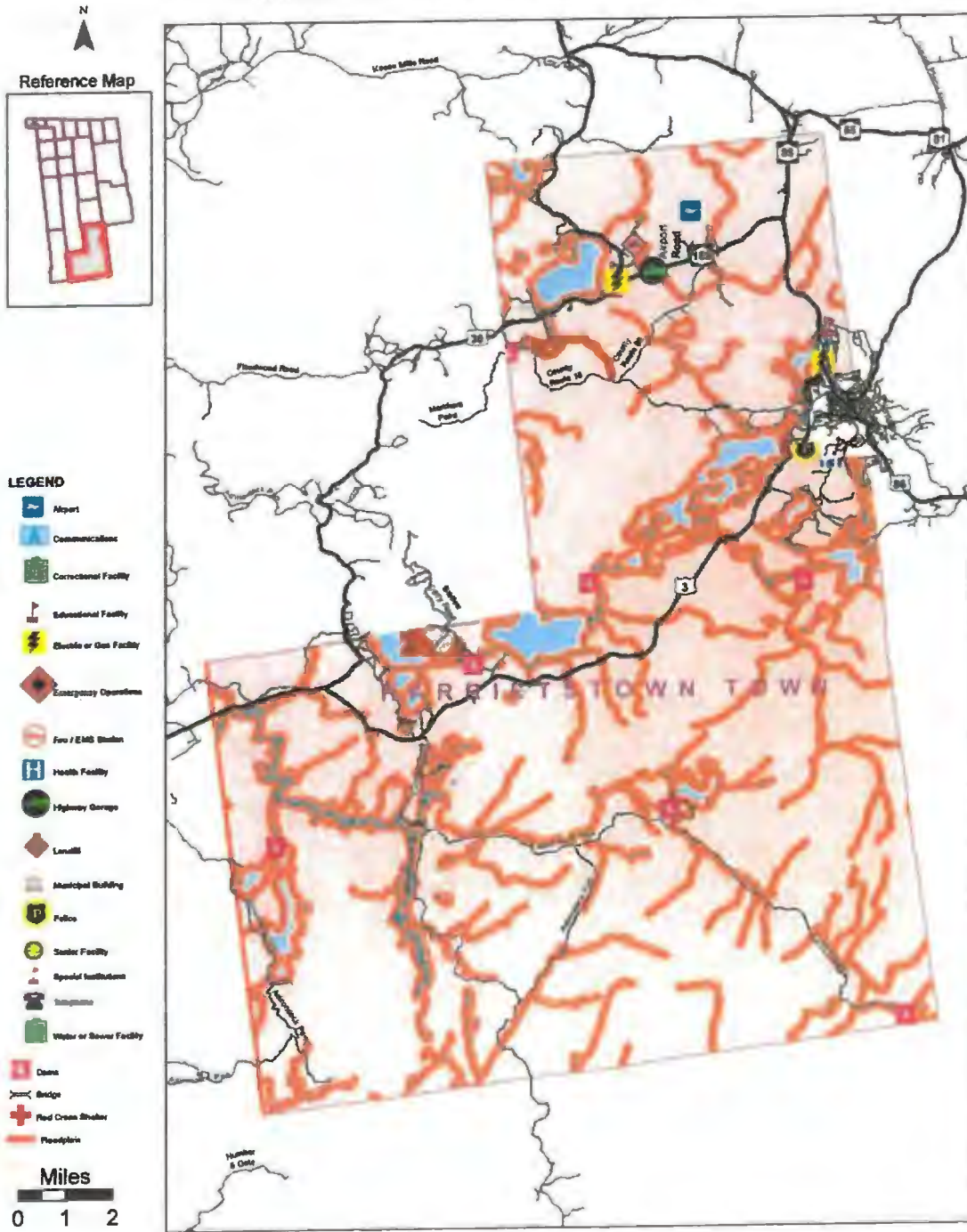
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SARANAC LAKE VILLAGE CRITICAL FACILITIES



Evacuation Routes – State Route 3, 86

HARRIETSTOWN TOWN FLOODPLAINS (FEMA MAPPED)

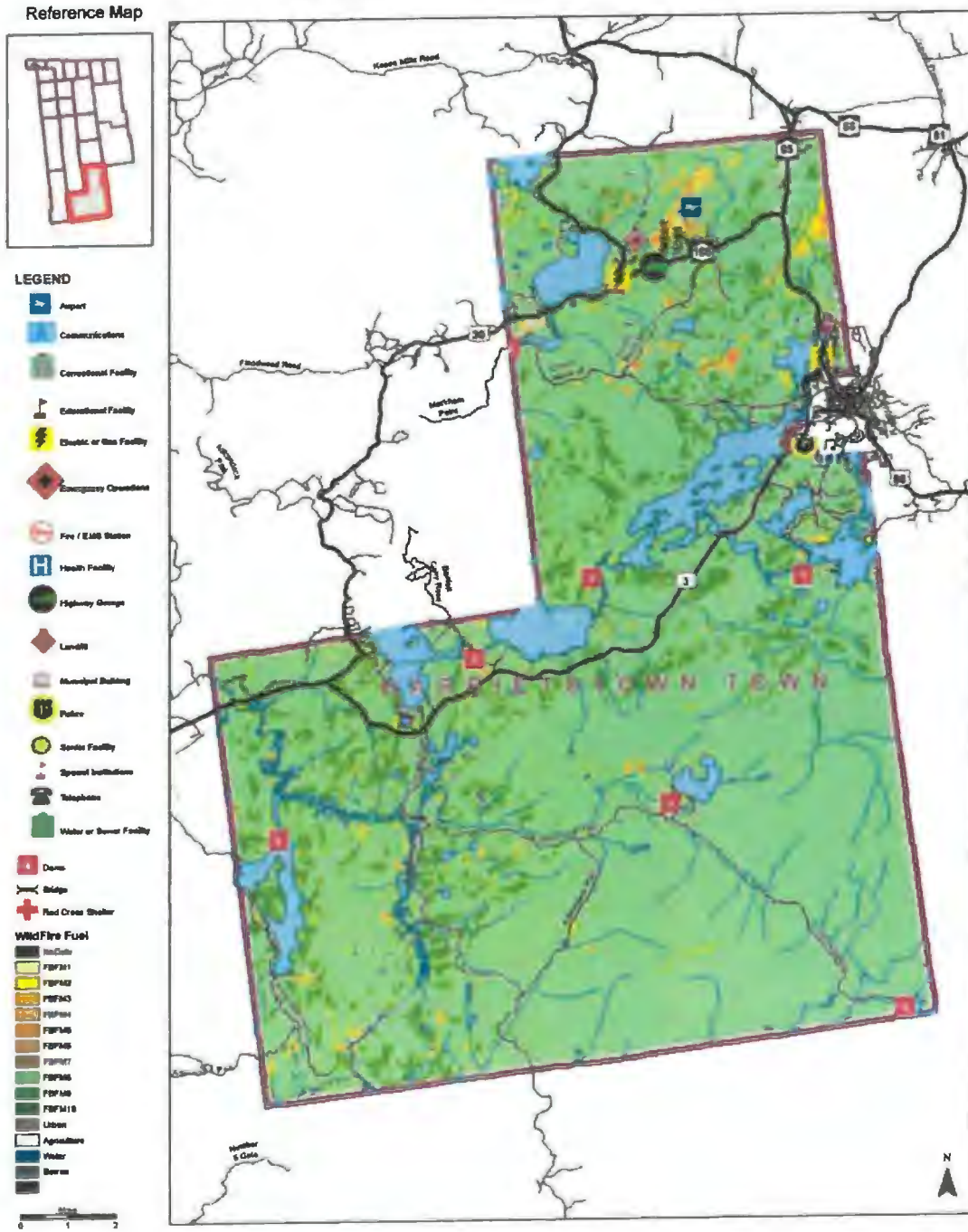


SARANAC LAKE VILLAGE FLOODPLAINS (FEMA MAPPED)



Franklin County Multi-Jurisdictional
Hazard Mitigation Plan Update 2020

HARRIETSTOWN TOWN WILDFIRE FUEL MAP



SARANAC LAKE VILLAGE WILDFIRE FUEL MAP

