Town of Turner

Location: The Town of Turner, incorporated in 1786. With a land area of 62.72 square miles, Turner is the second largest jurisdiction in Androscoggin County and shares borders Leeds to the Northwest, Livermore to the North, Greene to the Southeast, Auburn to the South, Minot to the southwest and Buckfield to the west.

Population: According to the U.S. Census Bureau, the Town of Turner's population is 5,817, as of 2020. The Town of Turner has steadily increased a total 1.4% in population between 2010-2020. The Maine State Economist projects that Androscoggin County will continue to gradually increase in population over the coming years. Projections show a 2030 population of 113,477, which is an increase of 2,438 or 2.2%.¹

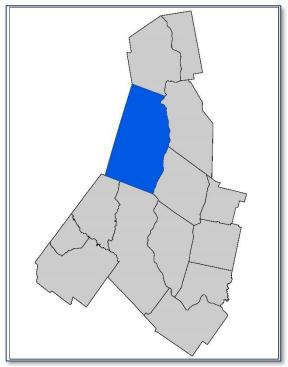


Table A47: Population of Turner and Androscoggin County 1930 - 2020				
Year	Turner	Androscoggin County		
1930	1,362	71,214		
1940	1,415	76,679		
1950	1,712	83,594		
1960	1,890	86,312		
1970	2,246	91,279		
1980	3,539	99,657		
1990	4,315	105,259		
2000	4,972	103,793		
2010	5,734	107,702		
2020	5,817	111,139		
1930-40 Change	3.8%	7.7%		
1940-50 Change	20.9%	9.0%		
1950-60 Change	10.3%	3.3%		
1960-70 Change	18.8%	5.8%		
1970-80 Change	57.5%	9.2%		
1980-90 Change	21.9%	5.6%		
1990-00 Change	15.2%	-1.4%		
2000-10 Change	15.3%	3.8%		
2010-20 Change	1.4%	3.2%		

¹Maine State Economist Population Outlook

Source: US Census

Demographics: The following table shows key demographic characteristics for Androscoggin County, as well as the State of Maine and the United States as a whole. Androscoggin County's population is older than the United States as a whole, but is younger than the State of Maine average, as reflected in the "Population under 18" statistic.

Measure	Turner	Androscoggin County	Maine
Population			
Total Population	5,817	111,147	1,362,359
Population Under 5 Years	3.4%	5.8%	4.7%
Population Under 18 Years	19.4%	21.0%	18.4%
Population 65 and Over	26.2%	17.1%	20.3%
Race - White Alone	94.1%	86.9%	90.8%
Race - Black or African American Alone	0.0%	5.9%	1.9%
Race - American Indian & Alaska Native Alone	0.0%	0.4%	0.6%
Race - Asian Alone	0.8%	0.8%	1.2%
Race - Native Hawaiian & Other Pacific Islander Alone	0.0%	0.1%	0.0%
Race - Some Other Race Alone	1.6%	0.7%	0.7%
Race - Two or More Races	4.3%	5.2%	4.7%
Housing			
Median Value of Owner-Occupied Units 2017-2021	\$197,800	\$175,100	\$212,500
Total Households 2017-2021	2,420	45,770	571,064
Persons per Household 2017-2021	2.39	2.34	2.31
Education			
High school graduate or higher, persons 25 and over 2017-	69.5%	91.8%	93.7%
Bachelor's degree or higher, persons 25 and over 2017-2021	13.4%	22.9%	33.6%
Economy			
In civilian labor force, population 16+, 2017-2021	51.8%	64.6%	62.7%
Mean travel time to work, minutes, workers 16+, 2017-2021	26.6	24.3	24.3
Income and Poverty			
Median household income, in 2021, dollars, 2017-2021	\$78,848	\$59,287	\$63,182
Per capita income in past 12, months, in 2021 dollars, 2017-	\$34,249	\$31,688	\$36,171
Persons in poverty, percent	4.1%	14.0%	11.5%
Geography			
Population Density (persons/sq. mi. 2020)	98	237.5	44.2

Source: US Census 2020

Changes in Development: There has been no significant change in vulnerability in Town of Turner over the past five years. Land use within Town of Turner is rural, including farm and forest land. A detailed breakdown of changes in development is included in Element E – Plan Update, including the Sentinel 2 Satellite Data map, shown here. Satellite data used to assess changes in development pursued in this plan was the use of remote sensing data to estimate trends in land use changes and identify where these changes may intersect with hazard prone areas. Sentinel satellite imagery used to categorize land cover/land use type provide for change detection in global development at a 30-meter resolution over multiple years. This analysis can be replicated for any location on earth from 2017-2021.

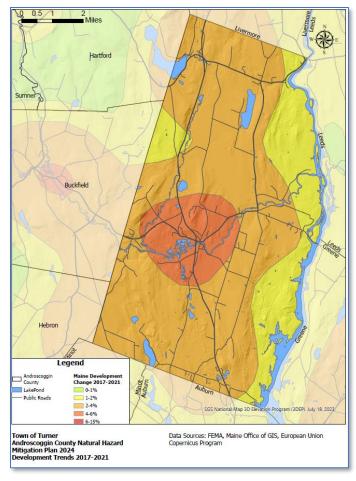
Figure A14: Town of Turner Changes in Development 2017-2021 using Sentinel 2 satellite data.

Employers: Turner has no major employers, but serves as a bedroom community for larger jurisdictions such as Lewiston and Auburn.

Transportation: Large volumes of traffic pass through

Androscoggin County either to locations within or beyond the county's borders. Interstate 95 is the primary route of travel for motor vehicle traffic in Maine. Highway exits are located in Auburn, Lewiston and Sabattus, allowing for significant amounts of traffic to be brought into Androscoggin County. Androscoggin County has a bus-based mass transit system served by Western Maine Transportation, Greyhound Bus Lines and Concord Bus Lines. All 8 school districts in Androscoggin County have buses used to transport students.

- Highways. Androscoggin County is served by the Maine Turnpike (part of Interstate 95), with exits in Auburn, Lewiston and Sabattus. US Route 202 serves to connect the western and eastern portions of the county. Major state routes in the area include Routes 26 and 121 serving the western part of the county, Route 196 providing connections south to the Brunswick/Topsham area, Routes 126 serving the eastern towns and Route 4 serving the north. Route 4 also provides access from Franklin County to the Maine Turnpike.
- Rail. Androscoggin County does not currently have regular passenger rail service but does have a freight
 rail network with 57 grade crossings across the county. The St. Lawrence & Atlantic connects to Canada
 via New Hampshire, and CSX Transportation (formerly Pan Am Railways) provides connections to the
 southern and eastern portions of Maine.
- Airports. The Auburn-Lewiston Municipal Airport supports local and regional general aviation, flight training, cargo, and a large volume of corporate activity. The airport has two runways: one 5,001 feet in length and one 2,750 feet in length. The airport is owned and operated jointly by the cities of Auburn and Lewiston. The only other paved runway in Androscoggin County was the former Twitchell Airport in Turner, which closed in 2023. There are also several privately owned grass field airports that receive limited traffic in the towns of Durham, Leeds, Livermore Falls and Wales.



Hazardous Material Routes. Hazardous materials are shipped throughout Androscoggin County. Routes
are monitored by the State, County, and towns and will not be discussed further in this plan.

Jurisdictional Planning Team: The Town of Turner followed the processed as described in Element A. This data set was developed over the course of several months with input from many jurisdiction representatives. 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. The following table summarizes who participated and in what capacity. Additional documentation on the municipality's planning process through Project Planning workshop is included in Element A - Planning Process and Appendix D (Meeting Documentation).

Table A49: Jurisdiction Planning Team - Turner

Primary Point of Contact

Name: Ross Gagne

Title: Code Enforcement Officer/EMA Director Address: 11 Turner Center Road, Turner, ME, 04282

Phone Number: 207-225-3414

Email: Ross.Gagne@turnermaine.com

NFIP Floodplain Administrator

Name: Ross Gagne

Title: Code Enforcement Officer/EMA Director Address: 11 Turner Center Road, Turner, ME, 04282

Phone Number: 207-225-3414

Email: Ross.Gagne@turnermaine.com

Name	Title and Department	Kickoff	Seminar	Workshop	Survey
Ross Gagne	Code Enforcement Officer/EMA Director	Χ	Χ	Х	Χ
Kurt Schaub	Town Manager				

Project Worksheet - Codes & Regulations - Turner

Building Code	Building Codes					
Adopted, if ye	es when?		Have aspects of the HMP been incorporated into the codes/ordinances/requirements?	e jurisdiction's		
YES	NO	DATE	If yes, describe how in comments.			
Х		5/22/2021	If no, add Mitigation project # if applicable.			

Comments

- Maine Uniform Building and Energy Code (MUBEC) was established in 2010 for all municipalities with more than 4,000 residents
- Building Codes are specified in the town **Zoning Ordinance**

Town Zoning Ordinances

Adopted, if ye	Adopted, if yes when?		Have aspects of the HMP been incorporated into the jurisdiction's codes/ordinances/requirements?	
YES	NO	DATE	If yes, describe how in comments.	
Х		5/22/2021	If no, add Mitigation project # if applicable.	

Comments

- Maine municipalities can adopt ordinances under MSRA 30-A Chapter 141
- Land Use codes are included in the town <u>Zoning Ordinance</u>

Local Subdivision Regulations

Adopted, if ye	es when?		Have aspects of the HMP been incorporated into the jurisdiction's codes/ordinances/requirements?	
YES	NO	DATE	If yes, describe how in comments.	
Х		5/22/2021	If no, add Mitigation project # if applicable.	

Comments

- Maine Subdivision law is described in MSRA 30-A Chapter 187 Subchapter 4
- Subdivision regulations are included in the town Subdivision Ordinance

Storm water Management

Adopted, if ye	Adopted, if yes when?		Have aspects of the HMP been incorporated into the jurisdiction's codes/ordinances/requirements?	
YES	NO	DATE	If yes, describe how in comments.	
X		5/22/2021	If no, add Mitigation project # if applicable.	

Comments

- Stormwater Management is required under <u>MSRA 30-A Chapter 161</u> for sewers and <u>MSRA 38 Section</u>
 420-D for certain construction projects.
- Stormwater Management is required under the town **Zoning Ordinance**

Project Worksheet - Codes & Regulations - Turner

Comprehen	Comprehensive Plan/Master Plan					
Adopted, if	yes when?		Have aspects if the HMP been incorporated into the jurisdiction's codes/ordinances/requirements?			
YES	NO	DATE	If yes, describe how in comments.			
Х		4/8/2006*	If no, add Mitigation project # if applicable.			

Comments

- Comprehensive plans are developed by the municipality and reviewed by the state <u>Department of Agriculture</u>, <u>Conservation and Forestry</u>
- *Turner has developed a comprehensive plan update that is pending adoption by residents

Shoreland N	Shoreland Management Plan					
Adopted, if	yes when?		Have aspects if the HMP been incorporated into the codes/ordinances/requirements?	jurisdiction's		
YES	NO	DATE	If yes, describe how in comments.			
Х		5/22/2021	If no, add Mitigation project # if applicable.			

Comments

- Shoreland Zoning Plans are required in all municipalities under MSRA 3 Article 2-B
- Shoreland management regulations are included in the town **Zoning Ordinance Section 4**

Floodplain Management Plan

Adopted, if	yes when?		Have aspects if the HMP been incorporated into the codes/ordinances/requirements?	jurisdiction's
YES	NO	DATE	If yes, describe how in comments.	
Х		4/5/2014	If no, add Mitigation project # if applicable.	

Comments

- Turner' Floodplain Management Plan is part of the town Floodplain Management Ordinance
- Turner joined the National Flood Insurance Program (NFIP) on June 19, 1985.
- This program is administered by the town Code Enforcement Officer

Business/Economic Development Plan

Adopted, if	yes when?		Have aspects if the HMP been incorporated into the codes/ordinances/requirements?	jurisdiction's
YES	NO	DATE	If yes, describe how in comments.	
	Х	N/A	If no, add Mitigation project # if applicable.	

Comments

• Turner does not have a specific Economic Development plan, however economic development is discussed in the town Comprehensive Plan.

Project Worksheet - Codes & Regulations – Turner Comprehensive Emergency Management Plan/Emergency Operations Plan Adopted, if yes when? Have aspects if the HMP been incorporated into the jurisdiction's codes/ordinances/requirements? YES NO DATE If yes, describe how in comments. X 6/22/2012 If no, add Mitigation project # if applicable. Comments

Municipalities are required to have an Emergency Operations Plan under MSRA 37-B Section 783

Continuity of	Continuity of Operations Plan					
Adopted, if	yes when?		Have aspects if the HMP been incorporated into the jurisdiction's codes/ordinances/requirements?			
YES	NO	DATE	If yes, describe how in comments.			
	Х		If no, add Mitigation project # if applicable.			
	Comments					

Municipal Continuity of Operations plans are encouraged, but not required under state law

Debris Management Plan					
Adopted, if yes when?			Have aspects if the HMP been incorporated into the jurisdiction's codes/ordinances/requirements?		
YES	YES NO DATE		If yes, describe how in comments.		
X 2/14/2014 If r			If no, add Mitigation project # if applicable.		
Comments					

- Municipal Debris Management Plans must be approved by the state Department of Environmental Protection
- Turner uses its town transfer station located at 57 Dump Road (DEP License # S-021216-WH-B-N) as its debris management site

Public Health Plan						
Adopted, if yes when?			Have aspects if the HMP been incorporated into the jurisdiction's codes/ordinances/requirements?			
YES	YES NO DATE		If yes, describe how in comments.			
	Х	N/A	If no, add Mitigation project # if applicable.			
Comm						

Turner has a local Public Health officer as required under MSRA 22 Chapter 153.

Project Worksheet - P	Project Development					
Project Name:	School House Hill Road Elevation					
Project Number:	2024-Turner-001	2024-Turner-001				
	<u> </u>	Vulnerability				
Hazard(s) of Concern:	Flooding					
Description of the Problem:	Water floods road during traffic detours.	Water floods road during heavy rains, which isolates homes in the area and causes traffic detours.				
	Action or Project Int	ended for Imple	mentation			
Description of the Solution: Elevate road at least above the 100-year flood plain (at least 50 year depending on cost).						
Is this project related to	a Critical Facility?	Yes	Х	No		
Level of Protection:	100 Year Flood	Estimated Ben (losses avoided		No Isolation,	no detours	
Useful Life:	30 Years	Goal(s) Met:				
Estimated Cost:	\$175,000	Mitigation Action Type: Infrastructure Project		e Project		
	Plan for I	mplementation				
Prioritization:	High	Desired Timefr Implementation		Within 5 Yea	rs	
Est. Time Required for Project Implementation:	2 Years	Potential Fund Sources:	ing	HMGP, BRIC		
Responsible Organization:	Turner Public Works	Local Planning Mechanisms to be Used in Implementation: Planning Board		rd		
	Three Alternatives Con	sidered (includi	ng No Action)			
	Action	Estimated Cost		Evaluation		
	No Action	\$0		No Solution		
Alternatives:	Reroute Road	High		Excessive cost		
	Remove Road	Low		Not feasible, traffic issues		

Project Worksheet - N	laintenance
	Status Report (for plan maintenance) Year 1
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	
	Status Report (for plan maintenance) Year 2
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	
	Status Report (for plan maintenance) Year 3
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	
	Status Report (for plan maintenance) Year 4
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	
	Status Report (for plan maintenance) Year 5
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	

Project Prioritization Worksheet - Prioritization						
Project Name:	School House Hill Road Elevation					
Project Number:	2024-Turner-001	24-Turner-001				
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate				
Life Safety	1					
Property Protection	1					
Cost-Effectiveness	1					
Technical	1					
Political	1					
Legal	1	Town has the authority				
Fiscal	0	Would require grant funds				
Environmental	1					
Social	1					
Administrative	1					
Multi-Hazard	0					
Timeline	1					
Agency Champion	1	Turner Public Works				
Community Objectives	1					
Total	12	Priority (High/Med/Low)	High			

Project Worksheet - F	Project Development					
Project Name:	Nezinscot Dam Repairs					
Project Number:	2024-Turner-002					
	Risk /	Vulnerability				
Hazard(s) of Concern:	Flooding, Dam Breach					
Description of the Problem:	Due to the age and erosio breach.	Due to the age and erosion of the dam, there is an increased potential for the dam to breach.				
	Action or Project Int	ended for Imple	ementation			
Description of to age/erosion. Have engineer develop a plan to repair dam gate and identify/plan for repairs due to age/erosion.					repairs due	
Is this project related to	a Critical Facility?	Yes	х	No		
Level of Protection:	Designed per site	Estimated Ben (losses avoided		Losses from Breach	Dam	
Useful Life:	100 Years	Goal(s) Met:				
Estimated Cost:	\$400,000	Mitigation Action Type: Infrastructure Project		re Project		
	Plan for I	mplementation				
Prioritization:	High	Desired Timeform		Within 3 Yea	nrs	
Est. Time Required for Project Implementation:	3 Years	Potential Fund Sources:	ling	HMGP, BRIC		
Responsible Organization:	Town of Turner, Contractor	Local Planning Mechanisms to be Used in Implementation:				
	Three Alternatives Con	sidered (includi	ng No Action)			
	Action	Estimated Cost		Evaluation		
	No Action	\$0		Problem wor	sens	
Alternatives:	Remove Dam	Low		Water level changes, habitat impacts		
	Repair dam	High		Feasible if bo		

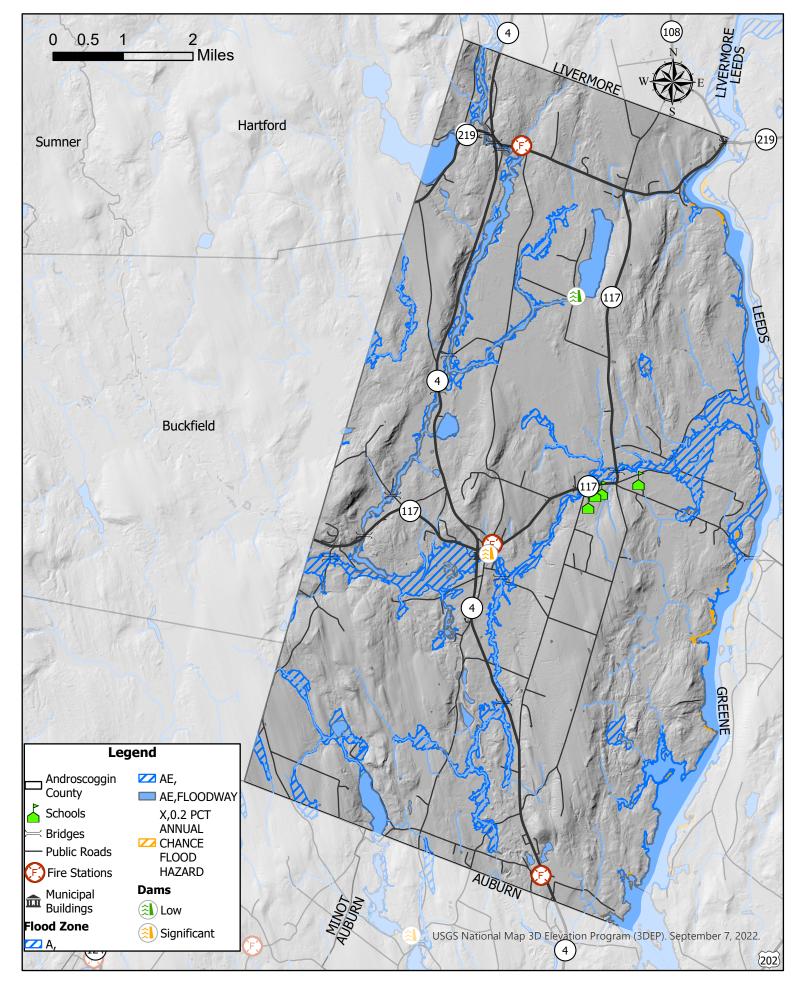
Project Worksheet - N	Naintenance Taintenance
	Status Report (for plan maintenance) Year 1
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	
	Status Report (for plan maintenance) Year 2
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	
	Status Report (for plan maintenance) Year 3
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	
	Status Report (for plan maintenance) Year 4
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	
	Status Report (for plan maintenance) Year 5
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	

Project Prioritization Workington Name:		Nezinscot Dam Repairs				
<u>`</u>	·					
Project Number:	2024-Turner-002					
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate				
Life Safety	1	Protection from potential breach				
Property Protection	1					
Cost-Effectiveness	1					
Technical	1					
Political	1					
Legal	1	Town has the authority				
Fiscal	0	Would require grant funds				
Environmental	1					
Social	1					
Administrative	1					
Multi-Hazard	1	Flooding, Dam Breach				
Timeline	1					
Agency Champion	1	Turner Public Works				
Community Objectives	1					
Total	13	Priority (High/Med/Low) High				

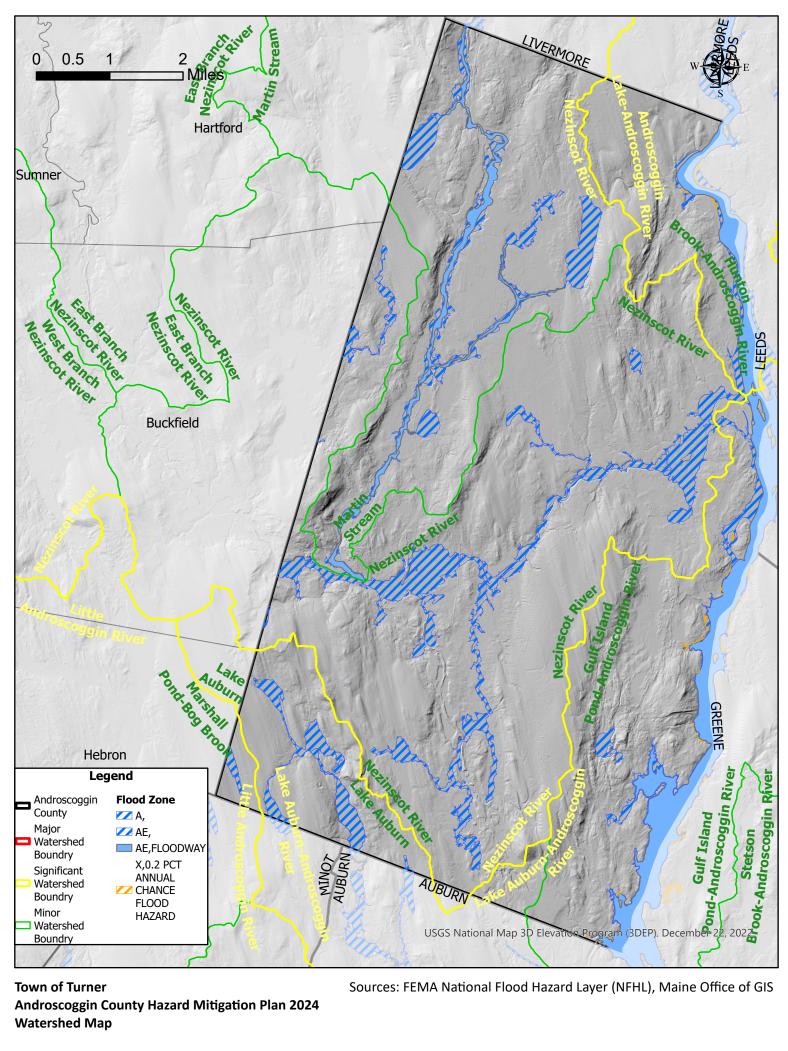
Project Worksheet - Project Development						
Project Name:	Additional Dry Hydrants					
Project Number:	2024-Turner-003	2024-Turner-003				
		Vulnerability				
Hazard(s) of Concern:	Wildfire					
Description of the Problem:	Current dry hydrant syste	Current dry hydrant system is insufficient for town needs.				
	Action or Project Int	ended for Imple	ementation			
Description of the Solution: Increase number of dry hydrants in strategic locations, so water doesn't have to be hauled long distances in the event of a fire.						
Is this project related to	a Critical Facility?	Yes		No	X	
Level of Protection:	High	Estimated Ben (losses avoide		Improve Fire	e Protection	
Useful Life:	30 Years	Goal(s) Met: 1,3,5				
Estimated Cost:	\$40,000	Mitigation Action Type: Infrastructure Project		re Project		
	Plan for I	mplementation				
Prioritization:	High	Desired Timef Implementation		Within 5 Yea	ars	
Est. Time Required for Project Implementation:	1 Year	Potential Funding Sources:				
Responsible Organization:	Turner Fire Department	Local Planning Mechanisms to be Used in Implementation:				
	Three Alternatives Con	sidered (includi	ng No Action)			
	Action	Estimated Cost		Evaluation		
	No Action	\$0		Problem remains		
Alternatives:	Prioritize areas of greatest need	Medium High		Spread over a period of years		
	Extend hydrant system now			Depends on benefit/cost analysis		

Project Worksheet - N	laintenance
	Status Report (for plan maintenance) Year 1
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	
	Status Report (for plan maintenance) Year 2
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	
	Status Report (for plan maintenance) Year 3
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	
	Status Report (for plan maintenance) Year 4
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	
	Status Report (for plan maintenance) Year 5
Date of Status Report:	
Project Status:	
Update Evaluation of the Problem:	
Update Evaluation of the Solution:	

Project Prioritization Worksheet - Prioritization					
Project Name:	Additional Dry Hydrants				
Project Number:	2024-Turner-003				
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate			
Life Safety	1	Project will protect life from wildfires			
Property Protection	1	Project will protect properties from wild	fires		
Cost-Effectiveness	1	Costs associated with wildfires are signif	ficantly higher		
Technical	0				
Political	1	Project is supported by local fire department			
Legal	1	Town has the authority			
Fiscal	1	Losses from wildfire are greater than cost of project			
Environmental	0				
Social	1				
Administrative	1				
Multi-Hazard	0				
Timeline	1	Would like to accomplish within 2 Years			
Agency Champion	1	Turner Fire Department			
Community Objectives	1				
Total	11	Priority (High/Med/Low)	High		

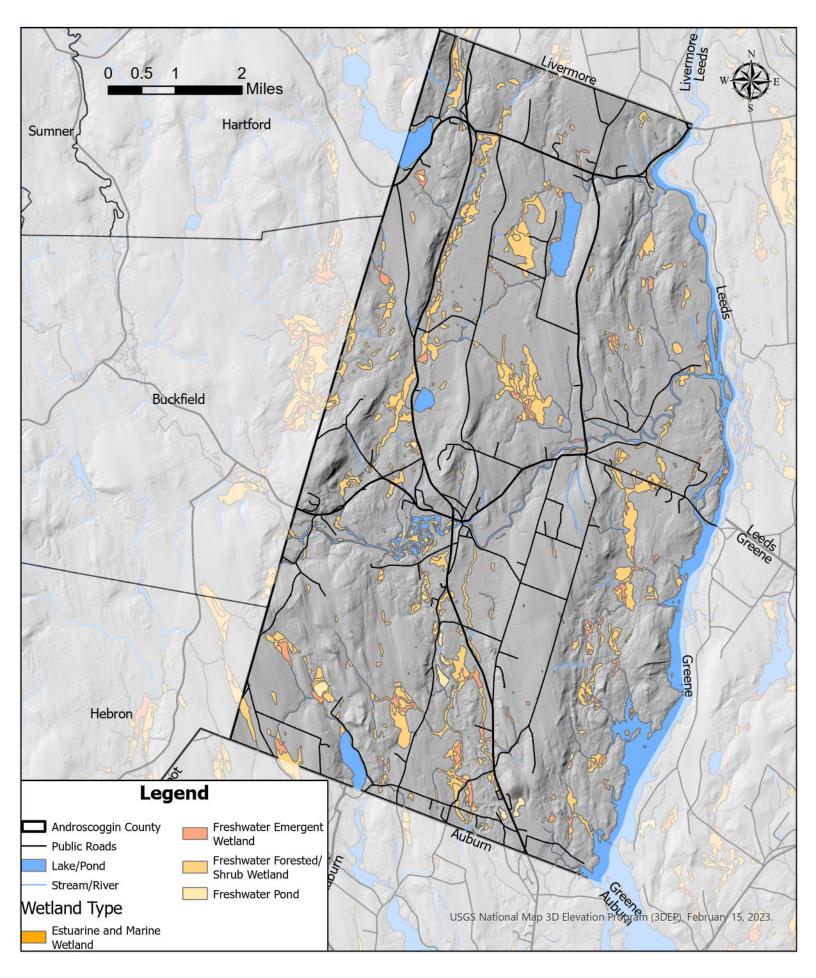


Town of Turner Androscoggin County Hazard Mitigation Plan 2024 Data Sources: U.S. Geological Survey, FEMA, Homeland Infrastructure Foundation Level Database, Maine Office of GIS, Androscoggin County Emergency Management Agency



Town of Turner Androscoggin County Hazard Mitigation Plan 2024 Watershed Map

Sources: FEMA National Flood Hazard Layer (NFHL), Maine Office of GIS



Town of Turner

Androscoggin County Hazard Mitigation Plan 2024

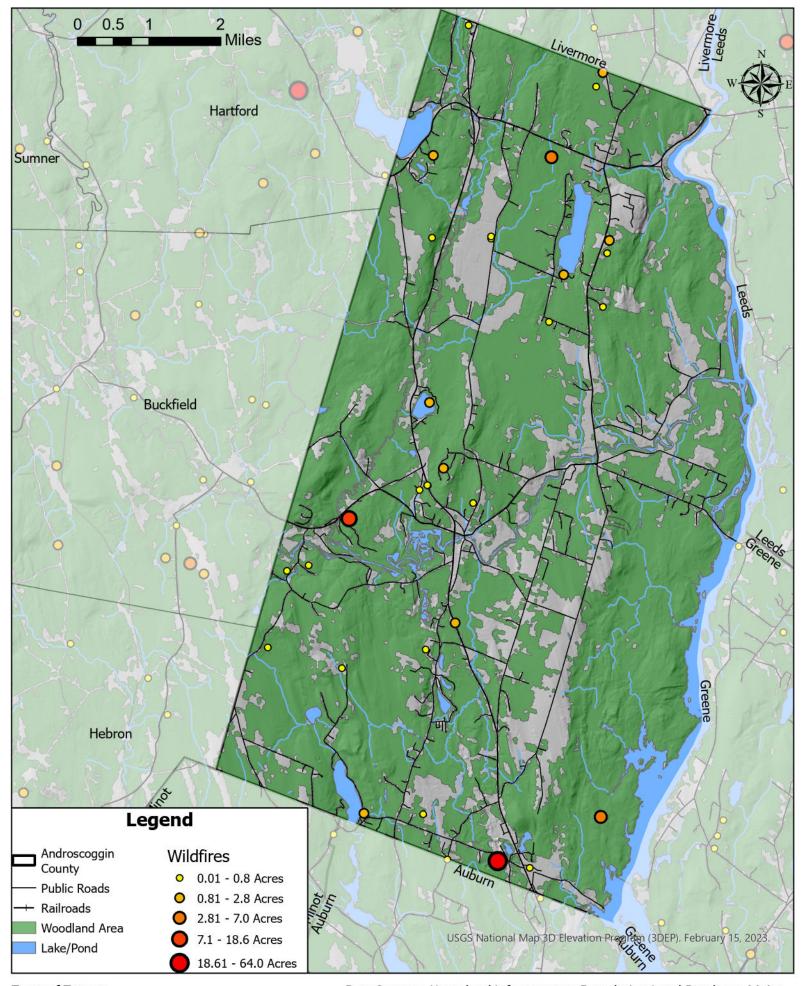
Geological Survey

Wetland Areas

Data Sources: Mai

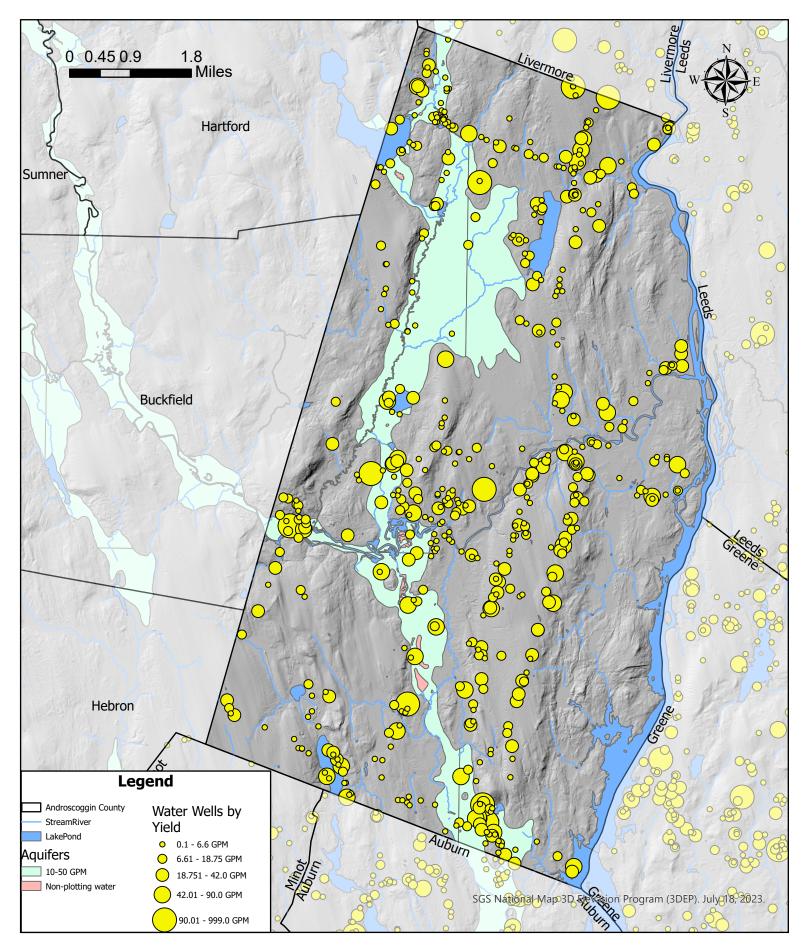
Geological Survey

Data Sources: Maine Office of GIS, US Fish and Wildlife Service, US Geological Survey

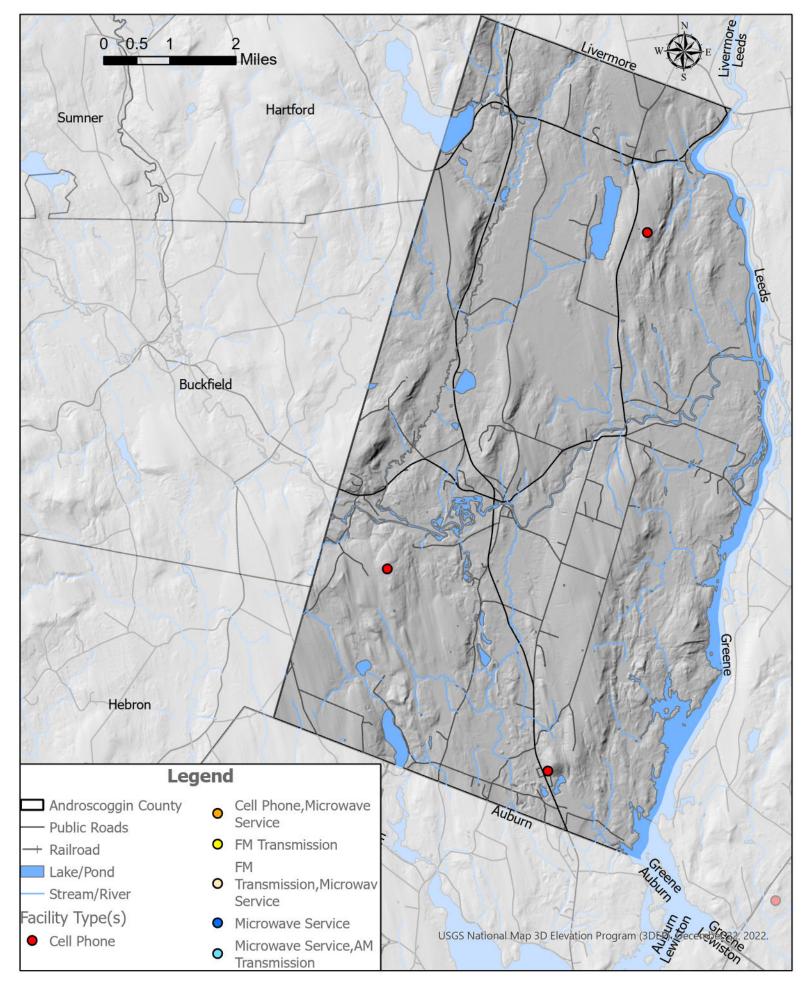


Town of Turner Androscoggin County Hazard Mitigation Plan 2024 Wildfires from 1992-2020

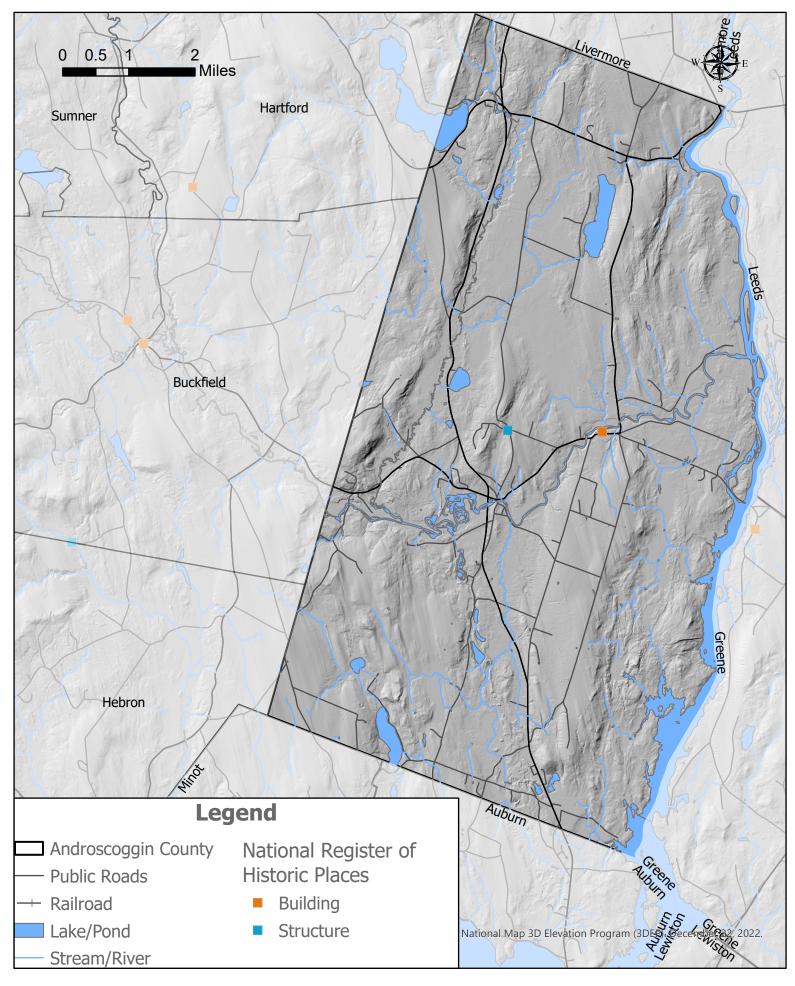
Data Sources: Homeland Infrastructure Foundation Level Database, Maine Office of GIS, US Forest Service, Maine Forest Service

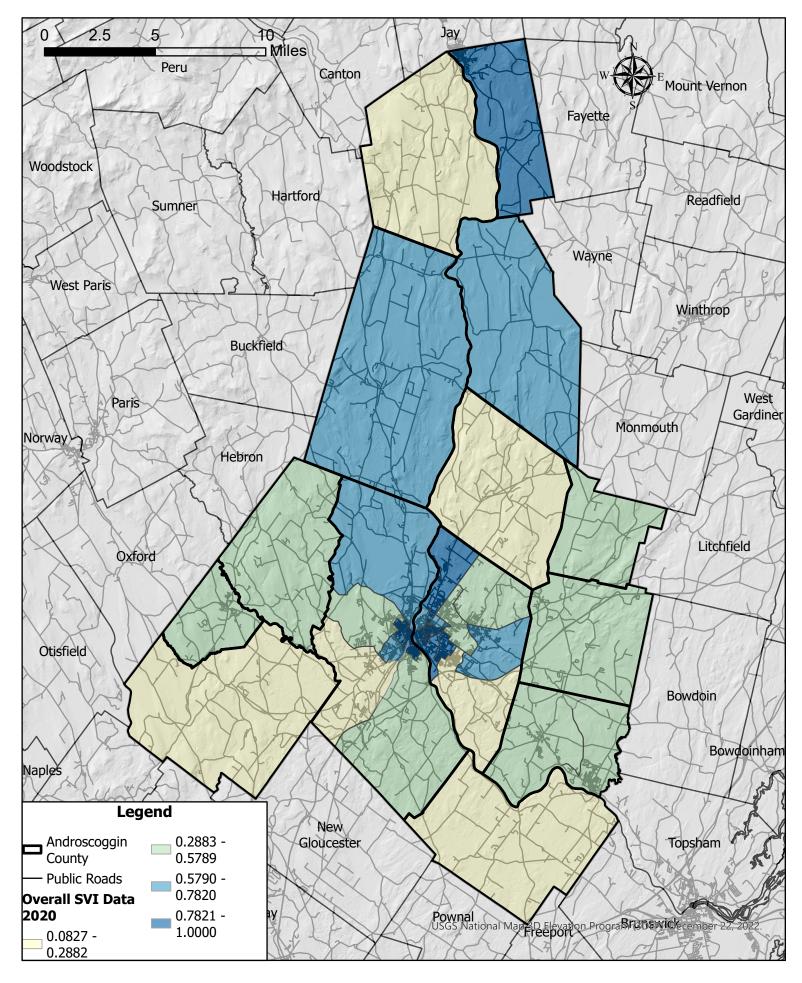


Town of Turner Androscoggin County Hazard Mitigation Plan 2024 Water Sources Map Data Sources: Maine Geological Survey: Homeland Infrastructure Foundation Level Database, Maine Office of GIS, Maine Drinking Water Program, Androscoggin County Emergency Management Agency



Town of Turner Androscoggin County Hazard Mitigation Plan 2024 Communication Towers Data Sources: U.S. Geological Survey, Homeland Infrastructure Foundation Level Database, Maine Office of GIS, Androscoggin County Emergency Management Agency





Androscoggin County Social Vulnerability Index Data 2020 By Census Tract Note: Social Vulnerability is based on 16 variables selected by the CDC, SVI values closer to 1 are considered more Socially Vulnerable

Data Sources: CDC/ATSDR Social Vulnerability Index, Maine Office of GIS

