

Emmet County Hazard Mitigation Plan Update

October 5, 2022



**Networks
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Welcome

- Thank you for joining us!
- We will be discussing the following:
 - Introduction to the project
 - Project Requirements by Mike Sobocinski, MSP
 - Community Profile of Emmet County and local jurisdictions
 - Draft Community Survey questions

Introductions

- Networks Northwest Staff
 - Jennifer Neal, AICP
 - Stephanie Marchbanks
- Community Partners

Purpose

Natural Hazard

A natural hazard is the threat of an event that will likely have a negative impact.

Hazard Mitigation Planning

“The effort to reduce loss of life and property by lessening the impact of disasters”

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Billion-Dollar Disasters Shattered U.S. Record in 2020

The 22 events that each caused at least \$1 billion in damage show the increasing costs of climate change

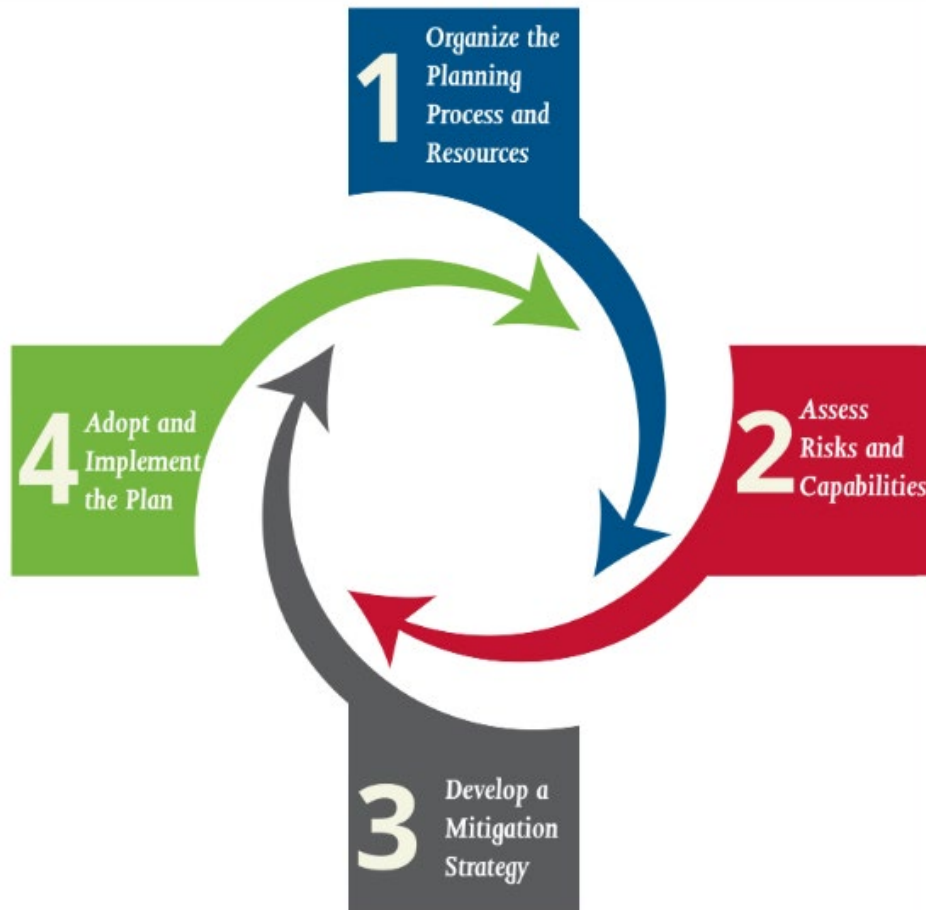
By Thomas Frank, E&E News on January 11, 2021



An aerial view of flood waters from Hurricane Delta surrounding structures destroyed by Hurricane Laura on October 10, 2020 in Creole, Louisiana. Credit: Mario Tama Getty Images

Project Timeline

- Now through May 2025



Emmet County LEPC/LPT “Task Force” and Partners:

Local Units of Government
County Staff

Emmet County Road Commission

Emmet Conservation District

Tip of the Mitt Watershed Council

E.M. Staff of Adjoining Counties (CHX, Otsego, Cheboygan)

Little Traverse Bay Bands of Ottawa Indians

Other partners...

Project Requirements and Approval

- Mike Sobocinski - *Hazard Mitigation Planning Analyst with Michigan State Police Emergency Management and Homeland Security Division*
- SobocinskiM@michigan.gov
- 517-881-2512

Community Profile*

- Demographics
- Housing
- Income
- Economy
- Agriculture

*2020 ACS 5-year data unless otherwise specified

Reference Documents

- Emmet County Master Plan, 2021-2025
- Emmet County Recreation Plan, 2018-2022
- Little Traverse Bay Watershed Protection Plan, 2007
- Other local and regional reports

EMMET COUNTY MASTER PLAN 2021-2025



Financial assistance for this project was provided, in part, by the Michigan Coastal Management Program, Water Resources Division, Michigan Department of Environment, Great Lakes, and Energy under the National Coastal Zone Management Program, through a grant from the National Oceanic and Atmospheric Administration, U.S. Department of Commerce.



2020 Comprehensive Economic Development Strategy (CEDS)
for the Michigan 10-County Region of Antrim, Benzie, Charlevoix, Emmet, Grand Traverse, Kalkaska, Leelanau, Manistee, Missaukee, and Wexford Counties



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April 2020

County Profile Snapshot

County

Emmet County, Michigan

Emmet County, Michigan has 467.5 square miles of land area and is the 77th largest county in Michigan by total area. Emmet County, Michigan is bordered by Cheboygan County, Michigan, Mackinac County, Michigan, and Charlevoix County, Michigan.



// [United States](#) / [Michigan](#) / [Emmet County, Michigan](#)



Populations and People

Total Population

34,112

P1 | 2020 Decennial Census



Employment

Employment Rate

59.5%

DP03 | 2020 American Community Survey 5-Year Estimates



Business and Economy

Total Employer Establishments

1,534

CB2000CBP | 2020 Economic Surveys Business Patterns



Income and Poverty

Median Household Income

\$55,947

S1901 | 2020 American Community Survey 5-Year Estimates



Housing

Total Housing Units

21,771

H1 | 2020 Decennial Census



Families and Living Arrangements

Total Households

14,197

DP02 | 2020 American Community Survey 5-Year Estimates



Education

Bachelor's Degree or Higher

34.7%

S1501 | 2020 American Community Survey 5-Year Estimates



Health

Without Health Care Coverage

6.6%

S2701 | 2020 American Community Survey 5-Year Estimates



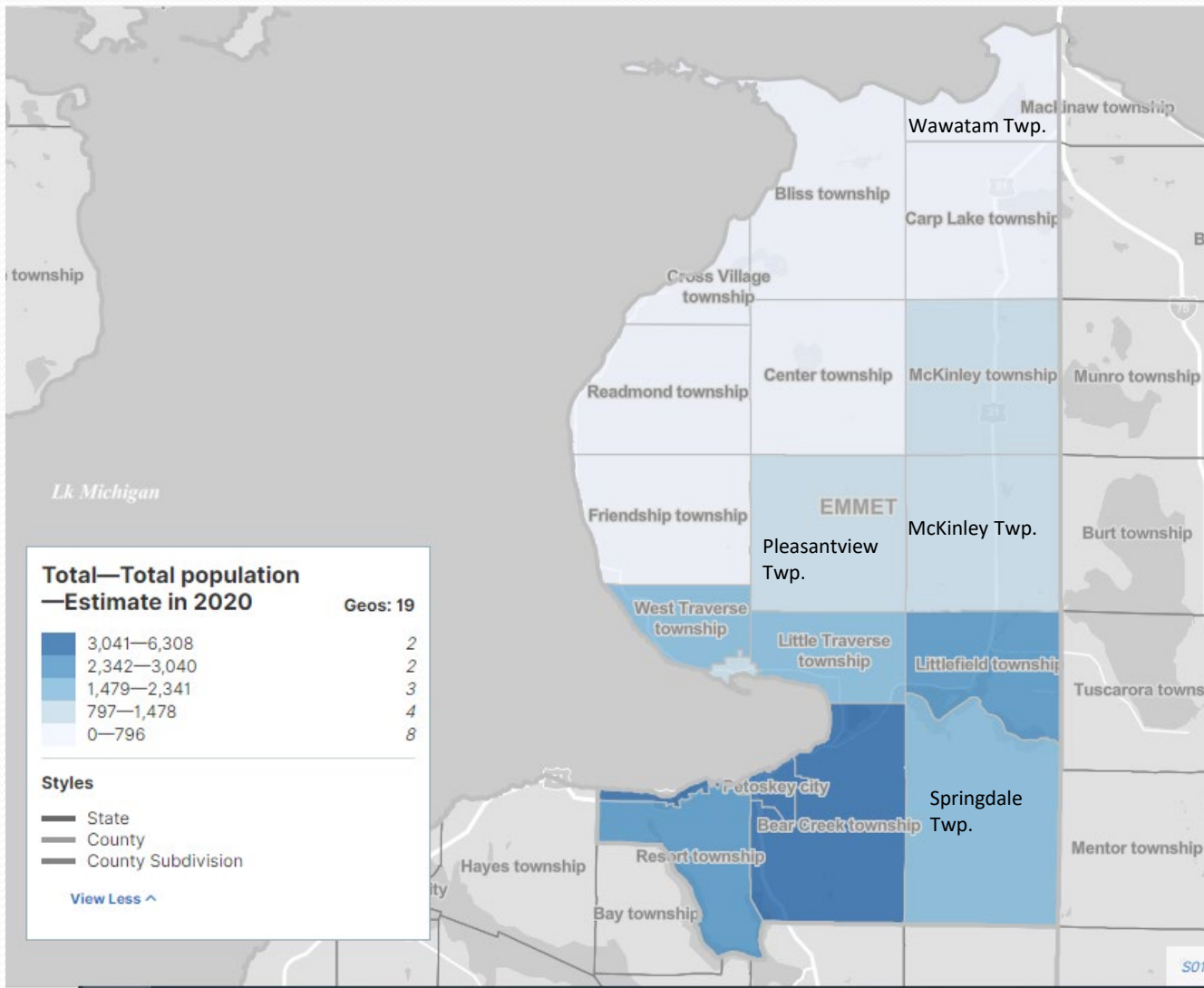
Race and Ethnicity

Hispanic or Latino (of any race)

592

P2 | 2020 Decennial Census

County Profile Snapshot

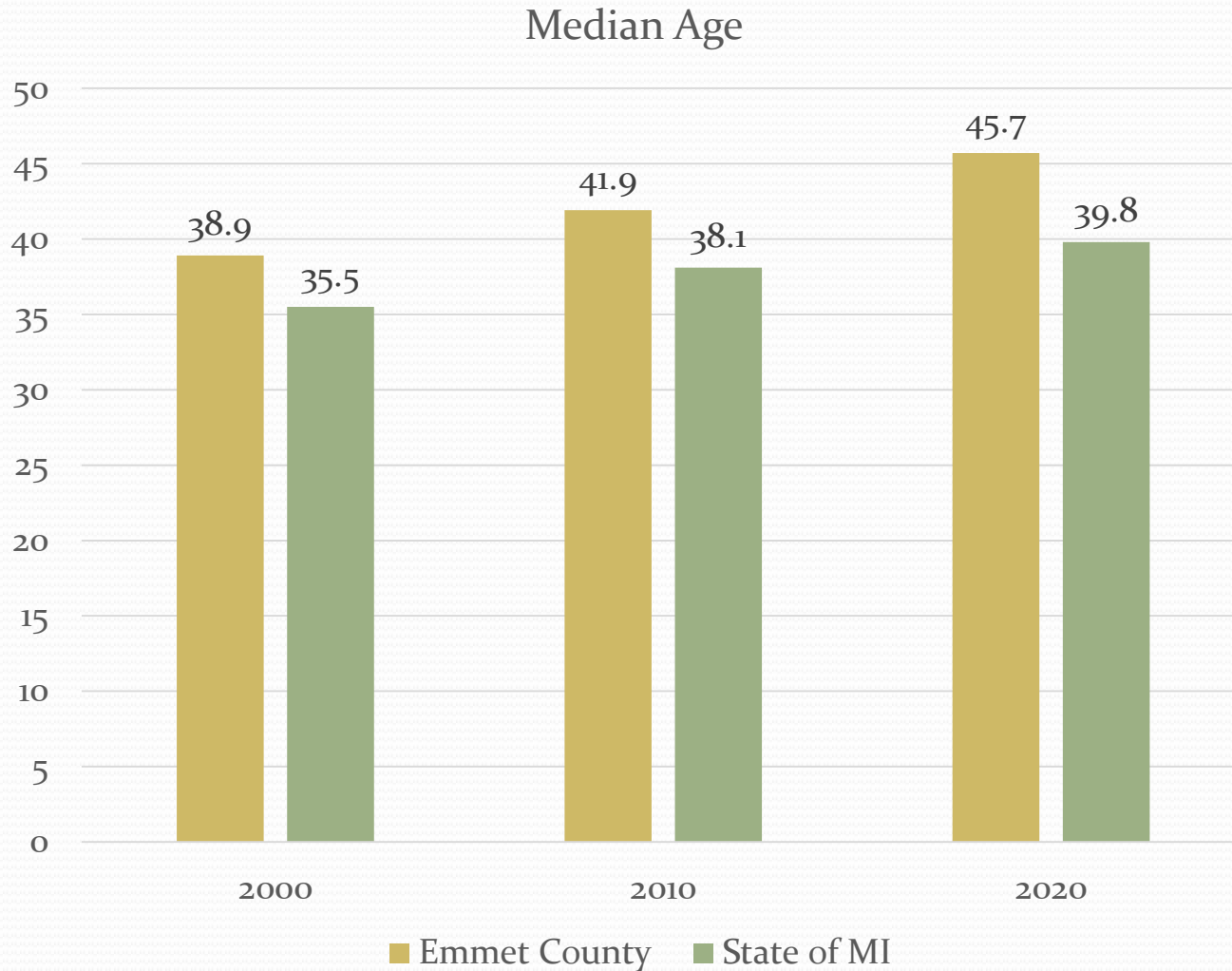


Demographics – Population Change

Municipality	2010	2020	Numeric Change	% Change
Emmet County	32,806	33,175	369	1.1%
Bear Creek Township	6,085	6,308	223	3.7%
Petoskey City	5,795	5,701	-94	-1.6%
Littlefield Township	2,973	3,040	67	2.3%
Resort Township	2,680	2,750	70	2.6%
Little Traverse Township	2,348	2,341	-7	-0.3%
Springvale Township	2,396	2,226	-170	-7.1%
West Traverse Township	1,707	1,836	129	7.6%
Maple River Township	1,442	1,478	36	2.5%
McKinley Township	1,142	1,302	160	14.0%
Harbor Springs City	1,194	1,107	-87	-7.3%
Pleasantview Township	917	1,107	190	20.7%
Friendship Township	683	796	113	16.5%
Carp Lake Township	774	770	-4	-0.5%
Bliss Township	661	610	-51	-7.7%
Readmond Township	505	567	62	12.3%
Center Township	598	545	-53	-8.9%
Wawatam Township	704	488	-216	-30.7%
Cross Village Township	202	203	1	0.5%

Source: US Census Bureau,
ACS 5-year Estimates for
2010 and 2020

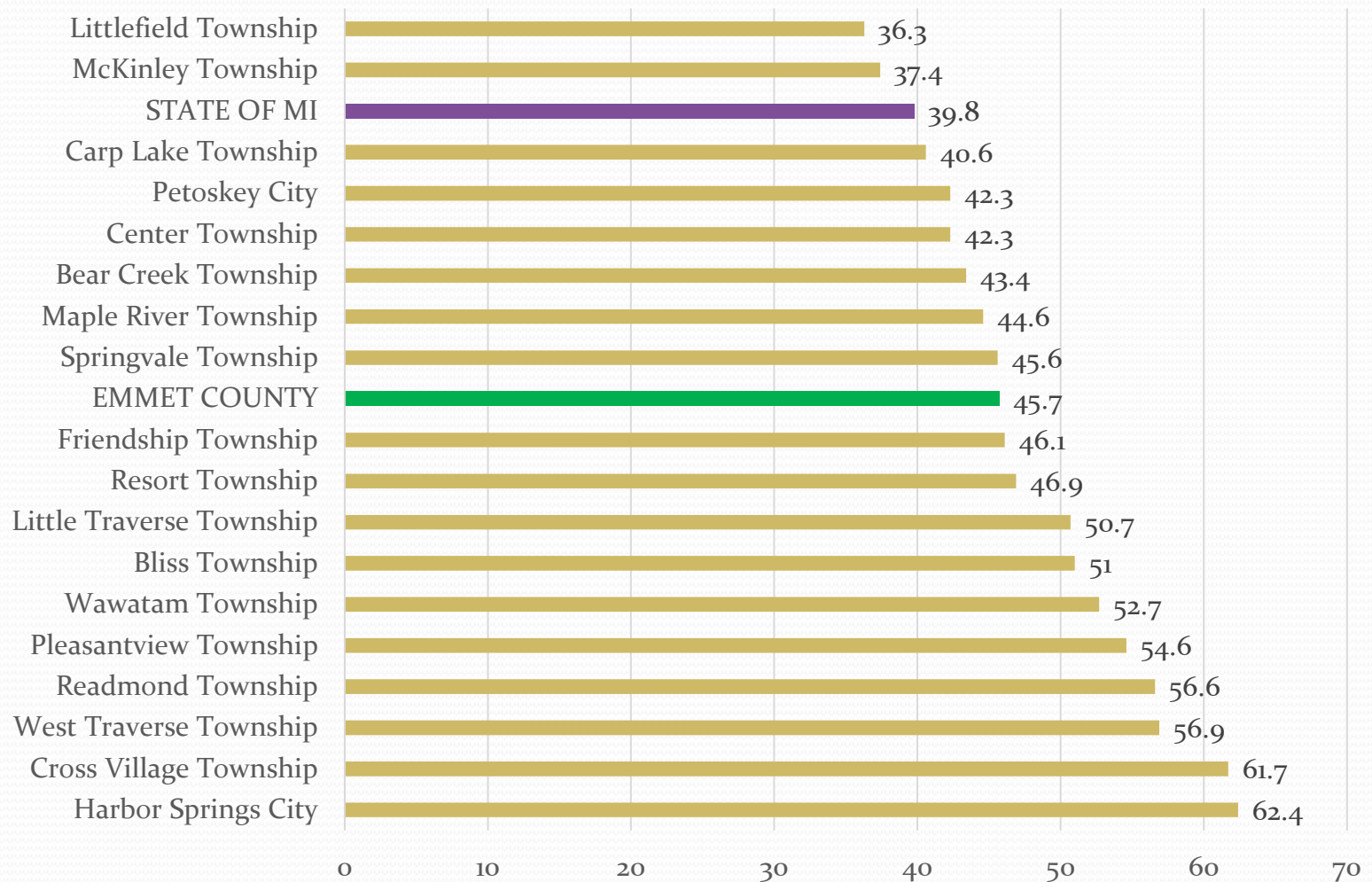
Demographics - Median Age



Source: US Census Bureau, ACS 5-year Estimates for 2010 and 2020; 2000 Decennial Census

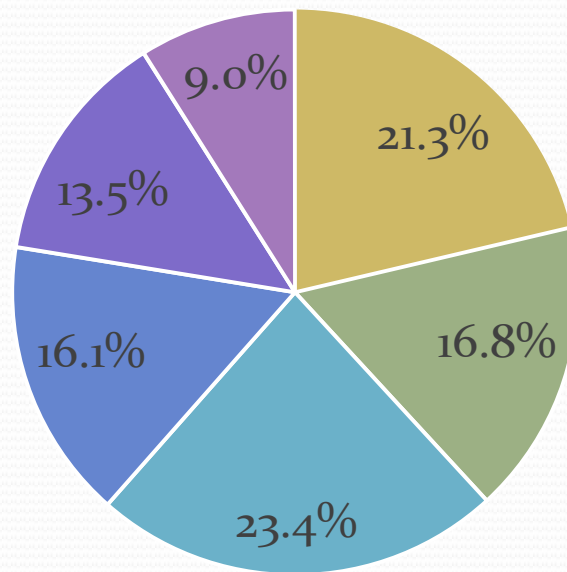
Demographics – Median Age

Median Age, 2020 ACS 5-Yr Estimates



Demographics – Age Distribution

Emmet County Population by Age,
2020 5-Yr ACS data



■ 0 to 19 years ■ 20 to 34 years ■ 35 to 54 years
■ 55 to 64 years ■ 65 to 74 years ■ 75+ years

Demographics – Disability and Race

Label	Estimate	%
Total Population:	33,175	100.0%
Not Hispanic or Latino:	32,573	98.2%
White alone	29,651	89.4%
Two or more races:	1,316	4.0%
American Indian and Alaska Native alone	849	2.6%
Some other race alone	339	1.0%
Black or African American alone	232	0.7%
Asian alone	159	0.5%
Native Hawaiian and Other Pacific Islander alone	27	0.1%
Hispanic or Latino:	602	1.8%

	Total	With a disability	% with a disability
Total civilian noninstitutionalized population	32,817	4,446	13.50%
AGE			
Under 5 years	1,604	5	0.30%
5 to 17 years	4,762	310	6.50%
18 to 34 years	6,192	490	7.90%
35 to 64 years	13,030	1,593	12.20%
65 to 74 years	4,434	1,013	22.80%
75 years and over	2,795	1,035	37.00%

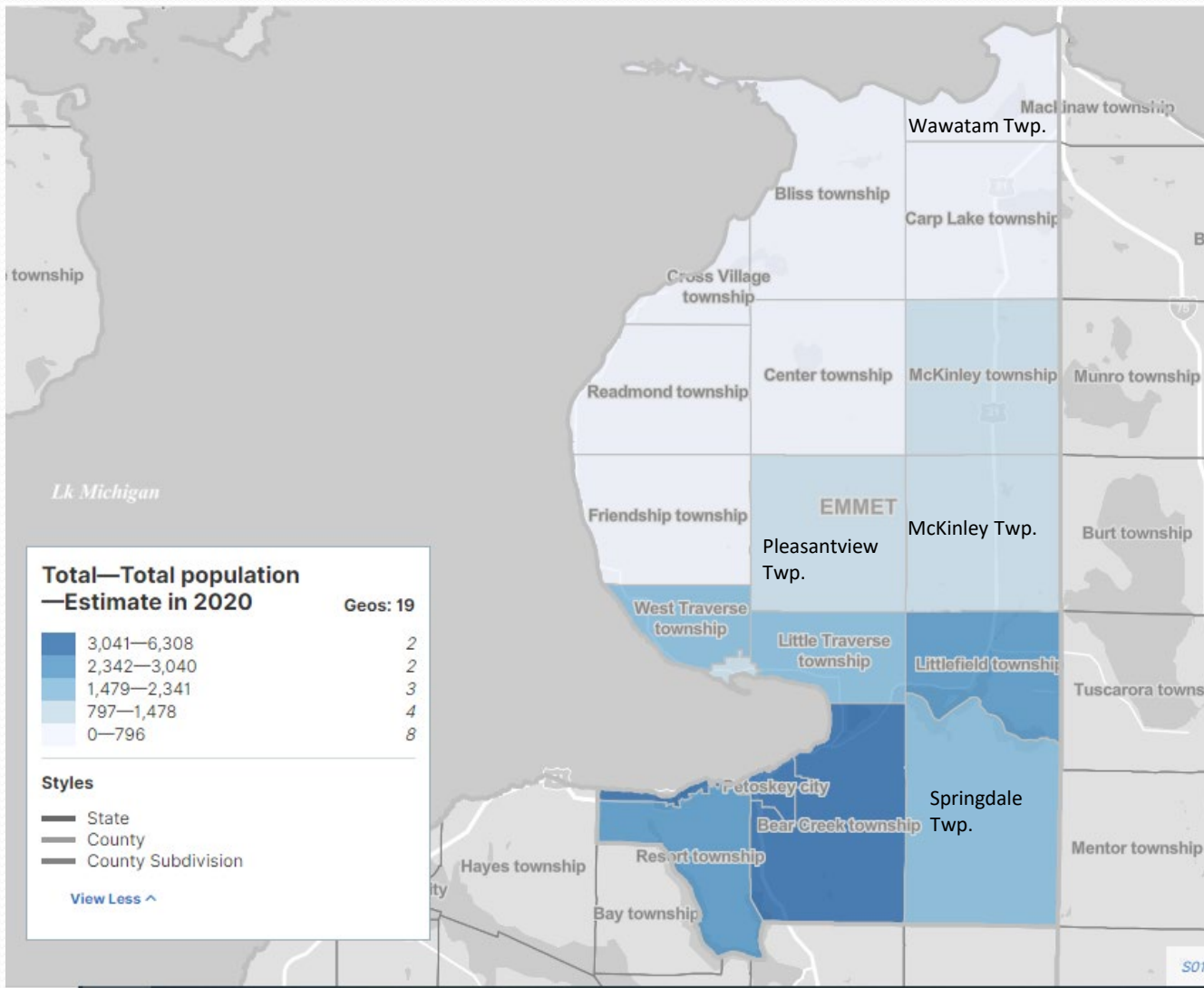
Disability by Type	With Disability	% of Total Pop.
With a hearing difficulty	1,503	4.60%
With a vision difficulty	785	2.40%
With a cognitive difficulty	1,430	4.60%
With an ambulatory difficulty	2,073	6.60%
With a self-care difficulty	721	2.30%
With an independent living difficulty	1,406	5.30%

Housing

- Units by local jurisdiction

	Estimated Housing Units, ACS 2020 5-Yr Estimates
Emmet County	21,753
Bear Creek Township	3,931
Petoskey City	3,383
Littlefield Township	1,836
Little Traverse Township	1,778
West Traverse Township	1,445
Resort Township	1,409
Pleasantview Township	1,127
Harbor Springs City	1,115
Springvale Township	1,079
Maple River Township	755
Carp Lake Township	685
McKinley Township	629
Wawatam Township	560
Readmond Township	475
Friendship Township	469
Bliss Township	440
Center Township	332
Cross Village Township	305
Village of Mackinaw City	694
Village of Alanson	468
Village of Pellston	353

Comparison to Population Density



Housing

- County Occupancy Status

	Total	%
Total Housing Units	21,753	
Occupied Housing Units	14,197	65.3%
Owner Occupied	10,534	74.2%
Renter Occupied	3,663	25.8%
Vacant Housing Units	7,556	34.7%
Homeowner Vacancy Rate		2.6%
Renter Vacancy Rate		4.5%

- The 2014 NW MI Seasonal Population Study: Emmet County's population increases by 34% in June and 38% in July and August.

Housing

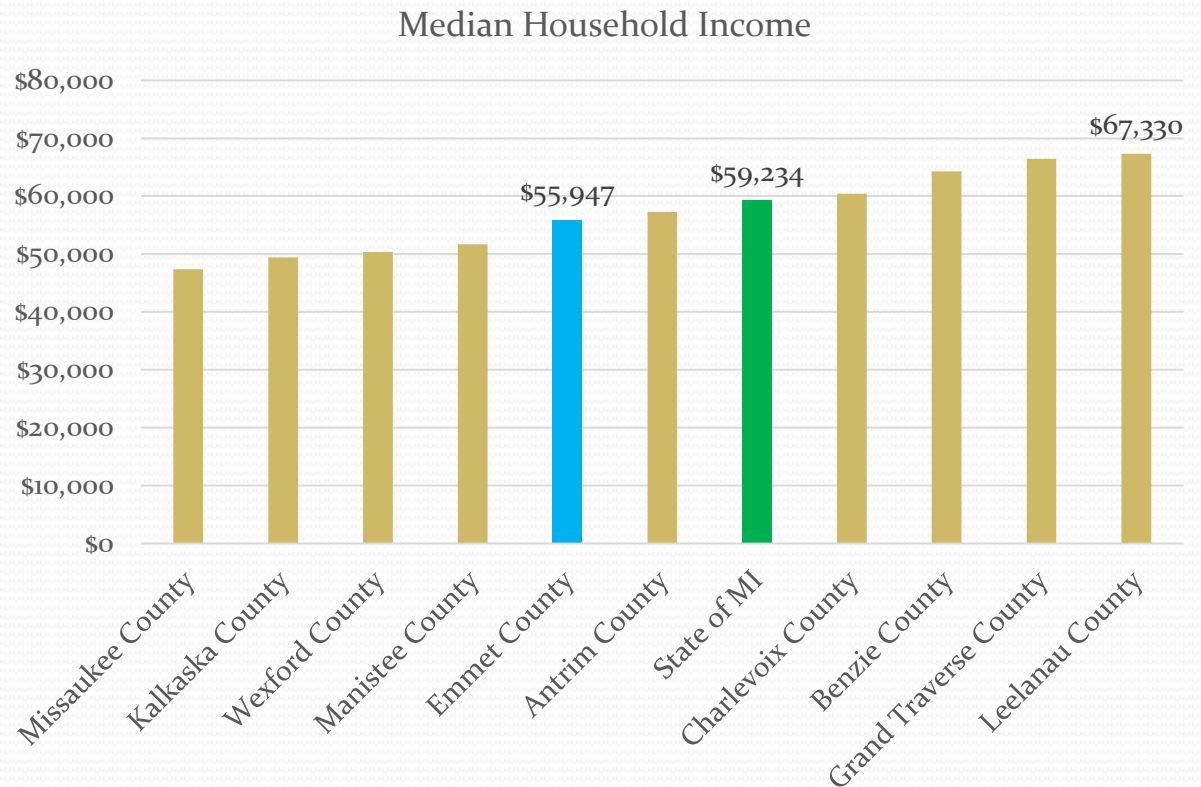
- Units by Year Structure Built

Year Structure Built	% of Housing Units	
Built 2014 or later	1.9	
Built 2010 to 2013	1.4	
Built 2000 to 2009	14.5	
Built 1990 to 1999	20.3	
Built 1980 to 1989	15.1	
Built 1970 to 1979	16.1	46.6% of housing stock is 40 + years old
Built 1960 to 1969	7	
Built 1950 to 1959	5.9	
Built 1940 to 1949	4.6	
Built 1939 or earlier	13	

Income

- Median Household Income by County

Location	2020 Est. Median Household Income
Missaukee County	\$47,370
Kalkaska County	\$49,402
Wexford County	\$50,335
Manistee County	\$51,658
Emmet County	\$55,947
Antrim County	\$57,256
State of MI	\$59,234
Charlevoix County	\$60,433
Benzie County	\$64,257
Grand Traverse County	\$66,457
Leelanau County	\$67,330



Income

- ALICE” profile for Emmet County, provided by United Way, 2019 <https://www.unitedforalice.org/county-profiles/michigan>

How Has the Number of ALICE Households Changed Over Time?

ALICE is an acronym for **A**sset **L**imited, **I**ncome **C**onstrained, **E**mloyed – households that earn more than the Federal Poverty Level, but less than the basic cost of living for the county (the ALICE Threshold). While conditions have improved for some households, many continue to struggle, especially as wages fail to keep pace with the cost of household essentials (housing, child care, food, transportation, health care, and a basic smartphone plan).

Income

- ALICE” profile for Emmet County, provided by the United Way, 2019

ALICE IN EMMET COUNTY

2019 Point-in-Time-Data

Population:	33,104	Number of Households:	14,463
Median Household Income:	\$55,829 (state average: \$59,584)		
Unemployment Rate:	4.9% (state average: 5.0%)		
ALICE Households:	26% (state average: 25%)		
Households in Poverty:	10% (state average: 13%)		

Economic Sectors

Industry	Establishments	Jobs	Percent Distributed in the County	Average Annual Wage
Total Covered Employment	1,385	18,111	100.00%	\$40,258
Agri., forestry, hunting	12	D	D	D
Mining	1	D	D	D
Construction	229	1,280	7.10%	\$43,198
Manufacturing	59	1,416	7.80%	\$61,695
Wholesale trade	40	287	1.60%	\$45,639
Retail trade	211	2,683	14.80%	\$32,091
Transportation, warehousing	29	297	1.60%	\$43,070
Utilities	4	43	0.20%	\$104,862
Information	20	180	1.00%	\$50,786
Finance and Insurance	52	286	1.60%	\$66,065
Real Estate, rental, leasing	40	215	1.20%	\$36,966
Professional, technical services	101	D	D	D
Administrative, waste services	100	1,485	8.20%	\$30,833
Educational services	20	594	3.30%	\$57,913
Health care, social assistance	139	3,206	17.70%	\$51,458
Arts, entertainment, recreation	42	549	3.00%	\$30,010
Accommodation and food services	116	3,031	16.70%	\$21,684
Other services, exc. Public admin.	136	656	3.60%	\$31,598
Public administration	27	777	4.30%	\$43,503
Other Includes (private, management of business, and unallocated)	3	1,126	6.30%	N/A

*D means limited industries of a sector that would disclose confidential information

Data Source: 2020 NW Lower MI Comprehensive Economic Development Strategy (2018 data represented)

Agriculture



“WE ARE IN A WAR ZONE AGAINST THIS DISEASE.”

CLIMATE CHANGE IS FUELING FIRE BLIGHT, AND NORTHERN MICHIGAN’S APPLE ORCHARDS ARE AT RISK.

BY TODD VANSICKLE | OCT. 5, 2019

What is this contagion? What does it mean for the future of our fruit and orchards? And what — if any? — can we do about it?

The USDA Ag Census defines a “farm” as a property where \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year.

Emmet County Profile, 2017 USDA Census of Agriculture

Total	2017	% Change since 2012	Rank out of counties in MI producing item(s)	Rank out of counties in U.S. producing item(s)
Number of farms	324	+13%		
Land in farms (acres)	39,256	-1%		
Average size of farm (acres)	121	-13%		
Percent of state agricultural sales				
Market value of products sold	\$8,714,000	+30%	63 out of 83	2,716 out of 3,077
Crops (70% of sales)	\$6,124,000		58 out of 83	2,274 out of 3,073
Livestock, poultry and other animal products (30% of sales)	\$2,590,000		66 out of 82	2,665 out of 3,073
Government payments	\$97,000	-17%		
Farm-related income	\$990,000	+211%		
Farm production expenses	\$12,087,000	+43%		
Net cash farm income	-\$2,285,000	-74%		
Per Farm Average	2017	% Change since 2012		
Market value of products sold	\$26,895	+15%		
Government payments (avg per farm receiving)	\$2,371	-27%		
Farm-related income	\$12,375	+234%		
Total farm production expenses	\$37,304	+26%		
Net cash farm income	-\$7,053	-54%		

https://www.nass.usda.gov/Publications/AgCensus/2017/Online_Resources/County_Profiles/Michigan/

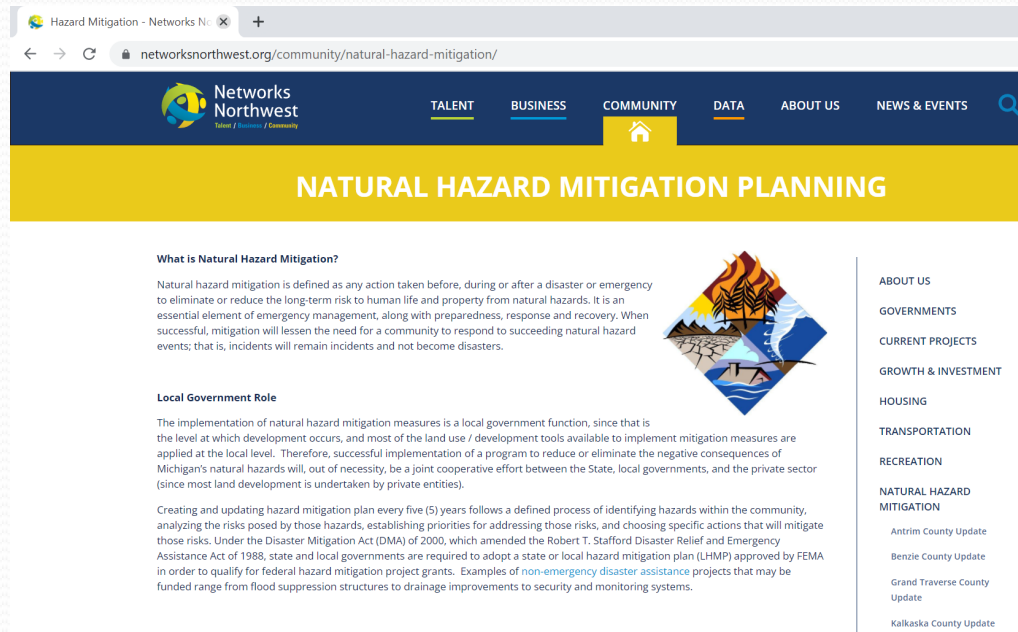
Hazard Mitigation Online Community Survey

Review Draft Questions

- To be distributed throughout the community
- Used to gather information on hazard concerns

Next Steps


- Identify potential Advisory Team members
- Invite stakeholders to take the online survey
- Update project information at: nwm.org/HazardPlan
- Prepare hazard analysis
- Next group meeting



The screenshot shows a web browser window with the URL networksnorthwest.org/community/natural-hazard-mitigation/. The website header includes the Networks Northwest logo and navigation links for TALENT, BUSINESS, COMMUNITY, DATA, ABOUT US, and NEWS & EVENTS. The main heading is "NATURAL HAZARD MITIGATION PLANNING".

What is Natural Hazard Mitigation?

Natural hazard mitigation is defined as any action taken before, during or after a disaster or emergency to eliminate or reduce the long-term risk to human life and property from natural hazards. It is an essential element of emergency management, along with preparedness, response and recovery. When successful, mitigation will lessen the need for a community to respond to succeeding natural hazard events; that is, incidents will remain incidents and not become disasters.



Local Government Role

The implementation of natural hazard mitigation measures is a local government function, since that is the level at which development occurs, and most of the land use / development tools available to implement mitigation measures are applied at the local level. Therefore, successful implementation of a program to reduce or eliminate the negative consequences of Michigan's natural hazards will, out of necessity, be a joint cooperative effort between the State, local governments, and the private sector (since most land development is undertaken by private entities).

Creating and updating hazard mitigation plan every five (5) years follows a defined process of identifying hazards within the community, analyzing the risks posed by those hazards, establishing priorities for addressing those risks, and choosing specific actions that will mitigate those risks. Under the Disaster Mitigation Act (DMA) of 2000, which amended the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988, state and local governments are required to adopt a state or local hazard mitigation plan (LHMP) approved by FEMA in order to qualify for federal hazard mitigation project grants. Examples of non-emergency disaster assistance projects that may be funded range from flood suppression structures to drainage improvements to security and monitoring systems.

ABOUT US

- GOVERNMENTS
- CURRENT PROJECTS
- GROWTH & INVESTMENT
- HOUSING
- TRANSPORTATION
- RECREATION
- NATURAL HAZARD MITIGATION

- Antrim County Update
- Benzie County Update
- Grand Traverse County Update
- Kalkaska County Update



Thank you!

- Any questions??