# Charlevoix County Hazard Mitigation Plan Update August 15, 2022



### Welcome

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

### Introductions

- Networks Northwest Staff
  - Jennifer Neal, AICP
  - Stephanie Loria
- 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"

	Subscribe	Latest Issues	SCIENTIFIC	Cart 0 Sid
_			AMERICAN.	
_	]	Billion-D	ollar Disasters S	Shattered
		U	S. Record in 209	20
		The 22 events that each	h caused at least \$1 billion in damage show climate change	w the increasing costs of

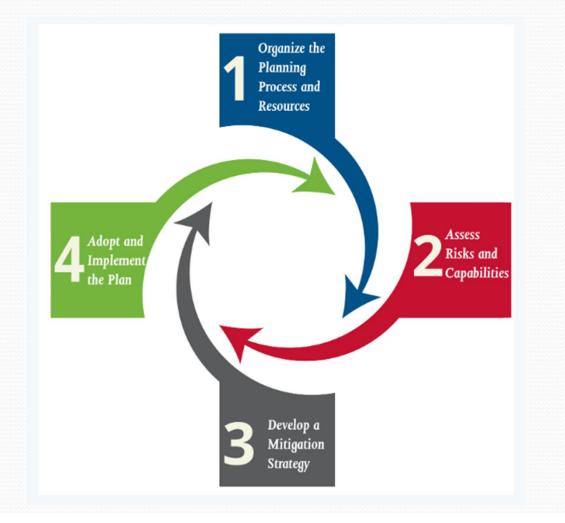


An aerial view of flood waters from Hurricane Delta surrounding structures destroyed by Hurrican Laura on October 10, 2020 in Creole, Louisiana. Credit: Mario Tama *Getty Images* 

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

# **Project Timeline**

#### Now through May 2025



#### Charlevoix County LEPC/LPT Participation

Local Units of Government County Staff Charlevoix County Conservation District Tip of the Mitt Watershed Center Surrounding County's Emergency Management Staff Tribal Governments Other partners...

#### **Project Requirements and Approval**

• Mike Sobocinski, Michigan State Police

# **Community Profile\*** Demographics Housing Income Economy Agriculture

\*2020 ACS 5-year data unless otherwise specified

#### **Reference Documents**

- Charlevoix County Future Land Use Plan
- Charlevoix County Recreation Plan
- Other local and regional reports



Charlevoix County Future Land Use Plan Adopted 01-10-2018







County

#### Charlevoix County, Michigan

Charlevoix County, Michigan has 416.3 square miles of land area and is the 80th largest county in Michigan by total area. Charlevoix County, Michigan is bordered by Otsego County, Michigan, Leelanau County, Michigan, Cheboygan County, Michigan, Mackinac County, Michigan, Schoolcraft County, ... Read More

// United States / Michigan / Charlevoix County, Michigan



Populations and People

Total Population 26,054

Employment

P1 | 2020 Decennial Census



Employment Rate
57.0%
DP03 | 2020 American Community Survey 5-Year Estimates



Business and Economy Total Employer Establishments 802 CB2000CBP | 2020 Economic Surveys Business Patterns



Income and Poverty Median Household Income \$60,433 \$1901 | 2020 American Community Survey 5-Year Estimates



Housing Total Housing Units 17,451 H1 2020 Decennial Census

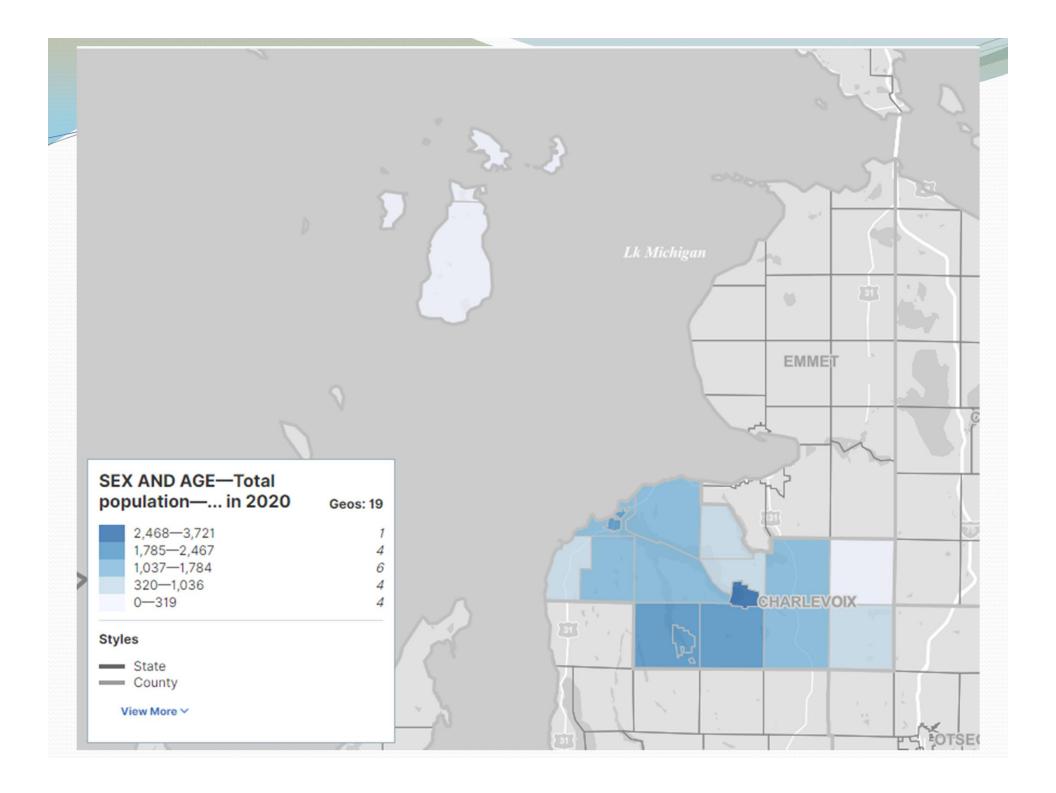


 Families and Living Arrangements

 Total Households

 11,725

 DP02 | 2020 American Community Survey 5-Year Estimates

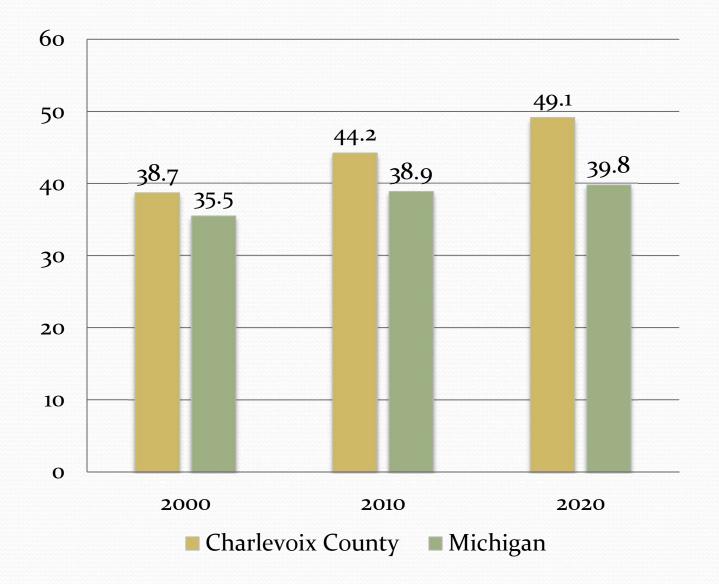


# **Demographics** – Population Change

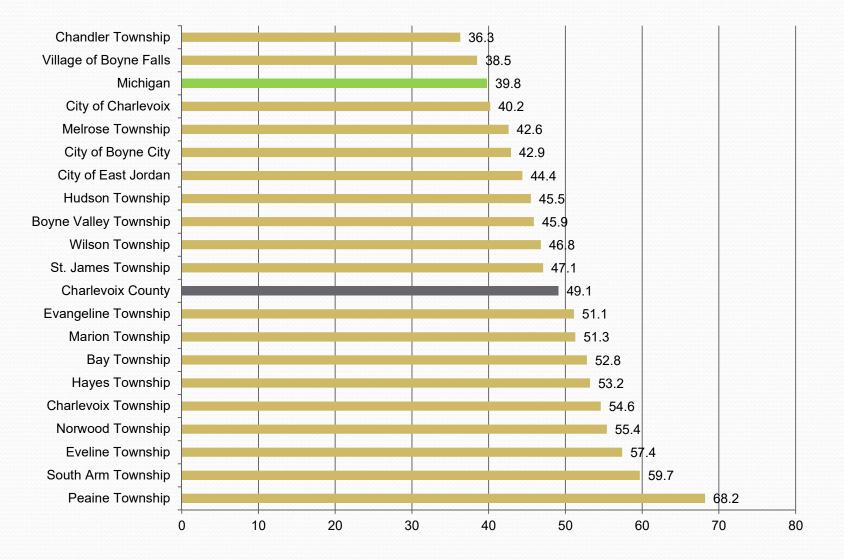
Municipality	2010 Estimated Population	2020 Estimated Population	Numeric Change	Percent Change
Charlevoix County	26,228	26,197	-31	-0.1%
Village of Boyne Falls	299	343	44	14.7%
Bay Township	1,497	1,036	-461	-30.8%
Boyne Valley Township	1,244	1,356	112	9.0%
Chandler Township	228	255	27	11.8%
Charlevoix Township	1,892	1,780	-112	-5.9%
Evangeline Township	600	776	176	29.3%
Eveline Township	1,682	1,560	-122	-7.3%
Hayes Township	1,902	1,784	-118	-6.2%
Hudson Township	681	730	49	7.2%
Marion Township	1,682	1,774	92	5.5%
Melrose Township	1,281	1,405	124	9.7%
Norwood Township	639	737	98	15.3%
Peaine Township	268	259	-9	-3.4%
South Arm Township	2,151	2,014	-137	-6.4%
St. James Township	258	319	61	23.6%
Wilson Township	1,916	2,091	175	9.1%
City of Boyne City	3,760	3,721	-39	-1.0%
City of Charlevoix	2,620	2,467	-153	-5.8%
City of East Jordan	1,927	2,133	206	10.7%

Source: U.S. Census Bureau, ACS 5-Year Estimates

#### Demographics - Median age

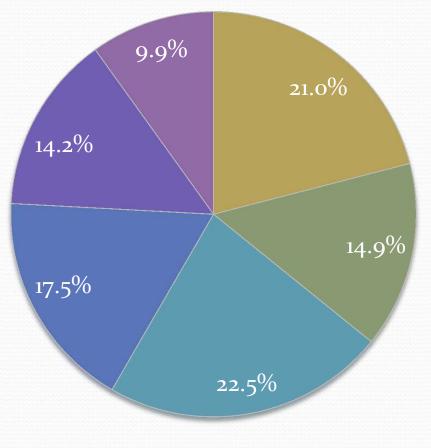


#### Demographics – Median Age



### Demographics

#### Age Distribution





#### Demographics – Disability and Race

	Charlevoix County	Race	Charlevoix County
Under 18 Years	5,058	White	24,951
		Black or African	
With a Disability	272	American	122
		American Indian and	
Percent	5.4%	Alaskan Native	410
18 to 64 Years	14,841	Asian	129
		Native Hawaiian and	
With a Disability	1,755	Other Pacific Islander	16
Percent	11.8%	Some Other Race	23
65 Years and Over	6,036	Two or More Races	537
With a Disbility	1,801	Hispanic Origin	523
Percent	29.8%	TOTAL	26,188

## Housing

#### Units by local jurisdiction

Municipality	2020 Housing Units (ACS)
Charlevoix County	17,753
Village of Boyne Falls	217
Bay Township	880
Boyne Valley Township	881
Chandler Township	167
Charlevoix Township	1,155
Evangeline Township	472
Eveline Township	1,421
Hayes Township	1,150
Hudson Township	605
Marion Township	913
Melrose Township	910
Norwood Township	479
Peaine Township	549
South Arm Township	1,073
St. James Township	478
Wilson Township	1,046
City of Boyne City	2,293
City of Charlevoix	2,085
City of East Jordan	1,196

# Housing

#### County Occupancy Status

Charlevoix County	
	/
Total Housing Units	17,753
Occupied Housing Units	11,725
	0.570
Owner Occupied	9,579
Renter Occupied	2,146
Vacant Housing Units	6,028
Vacant Housing Units (%)	34.0%

### Housing

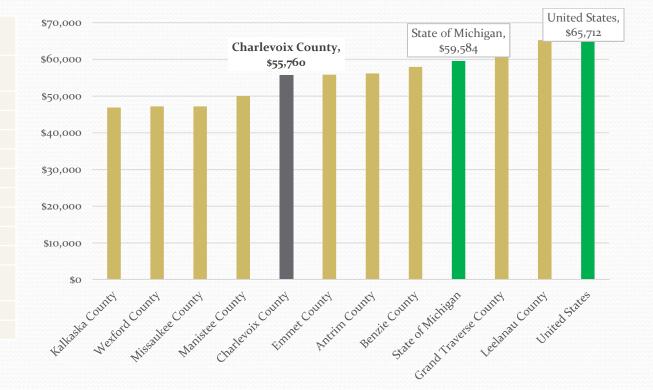
#### • Units by Year Structure Built

Year Built	Percentage of Units
Built 2000 or later	14.0%
Built 1990 to 1999	15.6%
Built 1980 to 1989	14.8%
Built 1970 to 1979	16.7%
Built 1960 to 1969	11.8%
Built 1950 to 1959	7.4%
Built 1940 to 1949	7.8%
Built 1939 or earlier	11.9%

#### Income

#### Median Household Income by County

2019 Median Household				
Income				
	Median			
Location	Income			
Kalkaska County	\$46,898			
Wexford County	\$47,193			
Missaukee County	\$47,194			
Manistee County	\$50,055			
<b>Charlevoix County</b>	\$55,760			
Emmet County	\$55,829			
Antrim County	\$56,165			
Benzie County	\$57,974			
State of Michigan	\$59,584			
Grand Traverse				
County	\$63,575			
Leelanau County	\$65,249			
United States	\$65,712			



# Economic Sectors

Industry	Establishments	Jobs	Percent Distribution	Average Annual	
			in County	Wage	
Total Covered	782	10,527	100.00%	\$44,558	
Employment					
Agri., forestry,	5	D	D	D	
hunting		_	_	_	
Mining	1	D	D	D	
Construction	120	646	6.10%	\$43,806	
Manufacturing	45	2,451	23.30%	\$60,866	
Wholesale trade	16	53	0.50%	\$53,155	
Retail trade	114	876	8.30%	\$29,009	
Transportation,	17	129	1.20%	\$42,443	
warehousing					
Utilities	4	147	1.40%	\$107,000	
Information	13	72	0.70%	\$27,706	
Finance and	29	160	1.50%	\$47,784	
Insurance					
Real Estate, rental,	29	184	1.70%	\$27,435	
leasing					
Professional,	44	D	D	D	
technical services					
Administrative, waste	53	253	2.40%	\$33,625	
services					
Educational services	11	648	6.20%	\$51,753	
Health care, social	59	1,687	16.00%	\$46,962	
assistance					
Arts, entertainment,	37	266	2.50%	\$31,888	
recreation					
Accommodation and	79	1,826	17.30%	\$27,051	
food services	_				
Other services, exc.	76	305	2.90%	\$44,314	
public admin.		0.10	<b>- - - - - - - - - -</b>		
Public administration	22	618	5.90%	\$41,886	
Other: Includes (privet	o management of	hucinose	and unallocated)		
Other: Includes (private, management of business, and unallocated)					

#### Charlevoix County Profile, 2017 USDA Census of Agriculture

# 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 anyt. — can we do about it?

	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	271	-9%		
	Land in farms (acres)	29,940	-20%		
	Average size of farm (acres)	110	-13%		
	Percent of state agricultural sales				
	Market value of products sold	\$8,415,000		64 out of 83	2,722 out of 3,077
	Crops	\$4,991,000		61 out of 83	2,377 out of 3,073
	Livestock, poultry and other animal products	\$3,424,000		61 out of 82	2,590 out of 3,073
	Government payments (avg per farm receiving)	\$104,000	-43%		
	Farm-related income	\$1,082,000	194%		
	Farm production expenses	\$7,005,000	-22%		
	Net cash farm income	\$2,596,000	72%		
nytł					
	Per Farm Average	2017	% Change since 2012		
	Market value of products sold	\$31,050	-7%		
	Government payments (avg per farm receiving)	\$3,251	-23%		
	Farm-related income	\$12,583	194%		
	Total farm production expenses	\$25,850	-14%		
	Net cash farm income	\$9,578	88%		
	https://www.nass.usda.gov/Publica an/	ations/AgCer	nsus/2017/Online F	Resources/Coun	ty Profiles/Michig

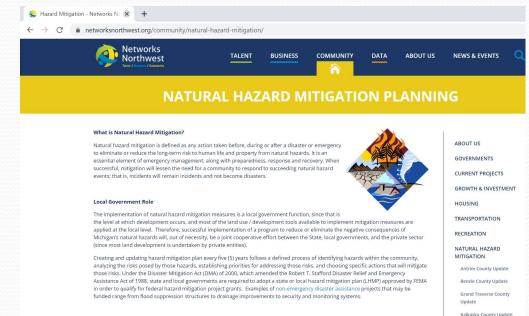
#### Hazard Mitigation Community Survey

#### Coming soon!

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

### Next Steps

- Identify potential Advisory Team members
- Solicit additional Community Survey responses
- Update project information at: <u>nwm.org/HazardPlan</u>
- Prepare hazard analysis
- Next group meeting



### Thank you!

• Any questions??