

**Charlevoix County
Local Emergency Planning Committee**

**August 15th, 2022
12:00pm**

**Charlevoix County
Shirley Roloff Center-Committee Room
13513 Division St.
Charlevoix, MI 49720**

- I. Call Meeting to Order: 12:03PM
 - a. PRESENT: Andrea Seese; Grandvue, Chloe Capaldi; HDNW, Gerard Doan; CXPDP, Julia Drost; County Clerk, Chuck Vondra; Sheriff, John McDonald; Munson Chx, Kevin Shepard; County Administrator, Sienna Wenz; County EM
 - b. GUESTS: Jennifer Neal; Networks Northwest, Kiersten Stark; County Planning, Matt Blythe; Emmet EM, Sandi Whiteford; Eveline Twp Clerk, Becki King; County Finance
- II. Approve agenda
 - a. Motioned By: Andrea Seese; Seconded By: Kevin Shepard
 - b. Passed: unanimously
- III. Approve minutes: April 11th, 2022
 - a. Motioned By: Julia Drost; Seconded By: Andrea Seese
 - b. Passed: unanimously
- IV. Old Business
 - a. COVID update:
 - i. HDNW- currently still have 1 testing site (Krist gas station North of town) in the county once a week. Brainstorming other ideas to see if able to increase testing within the next couple months. Will keep posted
 - ii. Munson Charlevoix Hospital- Currently still testing patients. Current Pandemic Level Status- **Blue**. Almost back to **Green** status.
- V. New Business
 - a. Hazard Mitigation Planning
 - i. Networks Northwest- Jennifer Neal
 - 1. Presentation on beginning planning process
 - 2. Community Survey will be sent out and encourage all (Residents, Stakeholders, etc) to complete. Pending responses, could have overall survey results for next meeting (November 2022).
 - 3. If there is anyone that should be attending these meetings and unsure if they were invited, please let Sienna know.
 - 4. All that participate in these meetings need to fill out the "In-Kind Local Match Supporting Document"- Sienna has copies.
 - ii. MSP- Mike Sobocinski (via ZOOM)
 - 1. Discussed what his role in the planning process and the Steps

2. Mentioned what FEMA approves and does not approve
- iii. FEMA's Planning Implementation & Grant Development Webinar 8/18/22 2p-4p

VI. Public Comments
N/A

VII. Member Comments

N/A

VIII. Adjourn at 1:07pm
Motioned By: Kevin Shepard; Seconded By: Julia Drost
Passed: Unanimously

DRAFT

Charlevoix County Hazard Mitigation Plan Update

August 15, 2022



**Networks
Northwest**

Talent / Business / Community



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”

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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





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



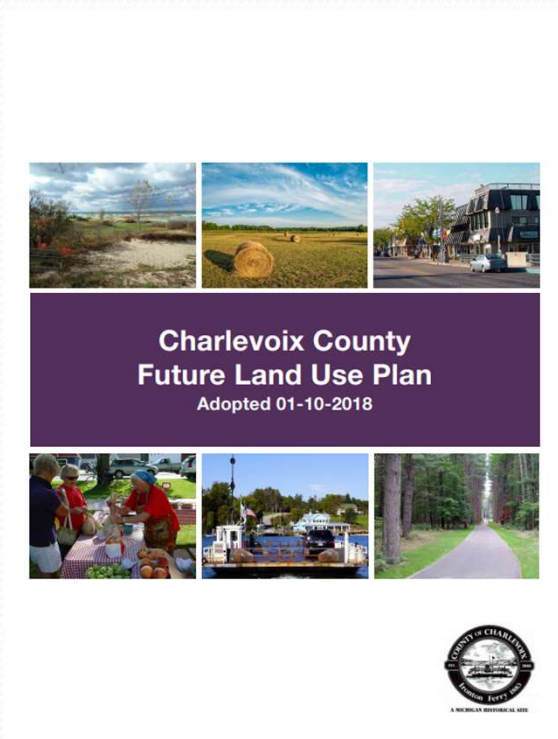
Community Profile*

- 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



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

[P1](#) | 2020 Decennial Census



Employment

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

[S1901](#) | 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

**SEX AND AGE—Total
population—... in 2020**

Geos: 19



Styles

- State
- County

[View More](#) ▾

Lk Michigan

EMMET

CHARLEVOIX

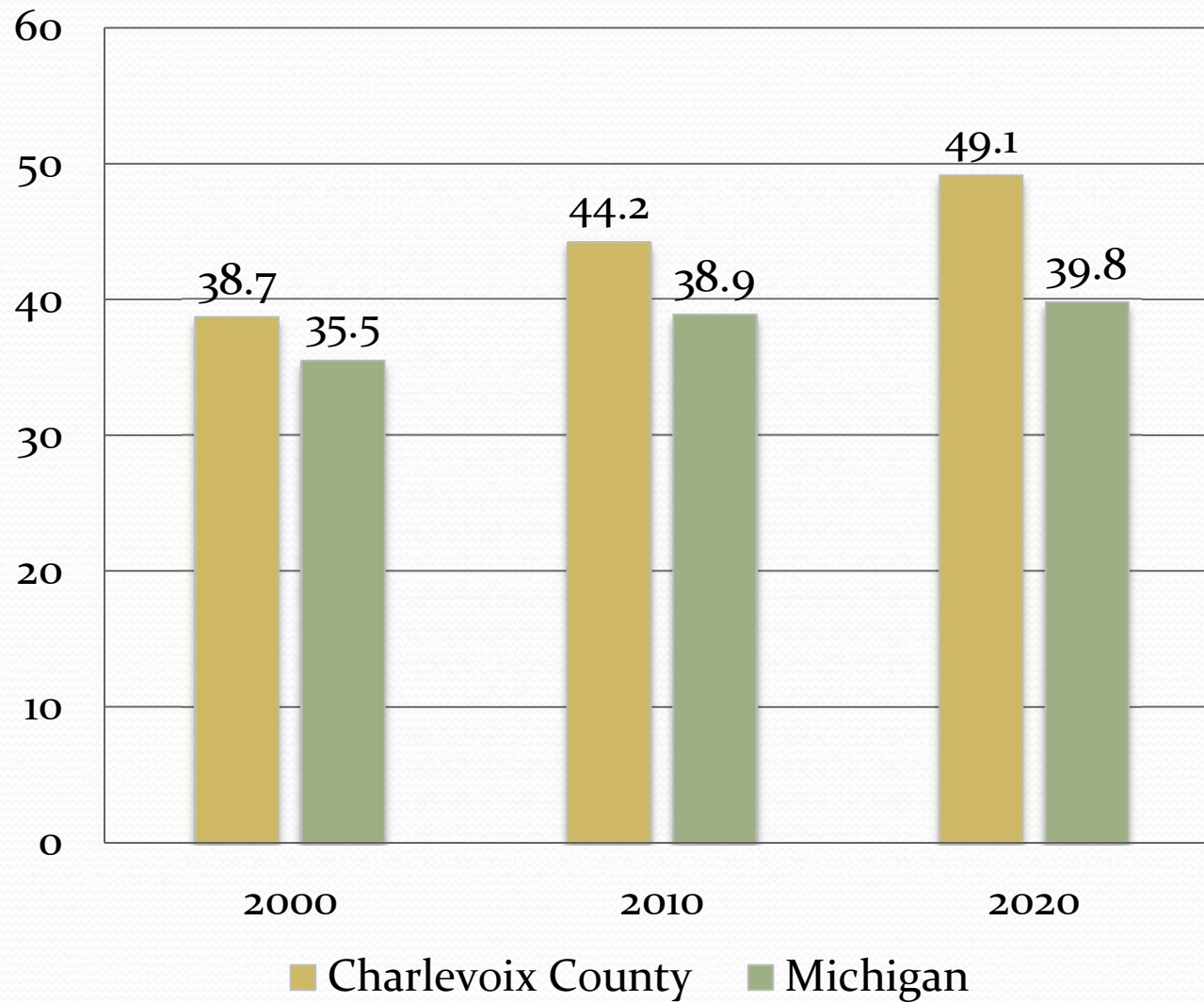
DOTSE

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

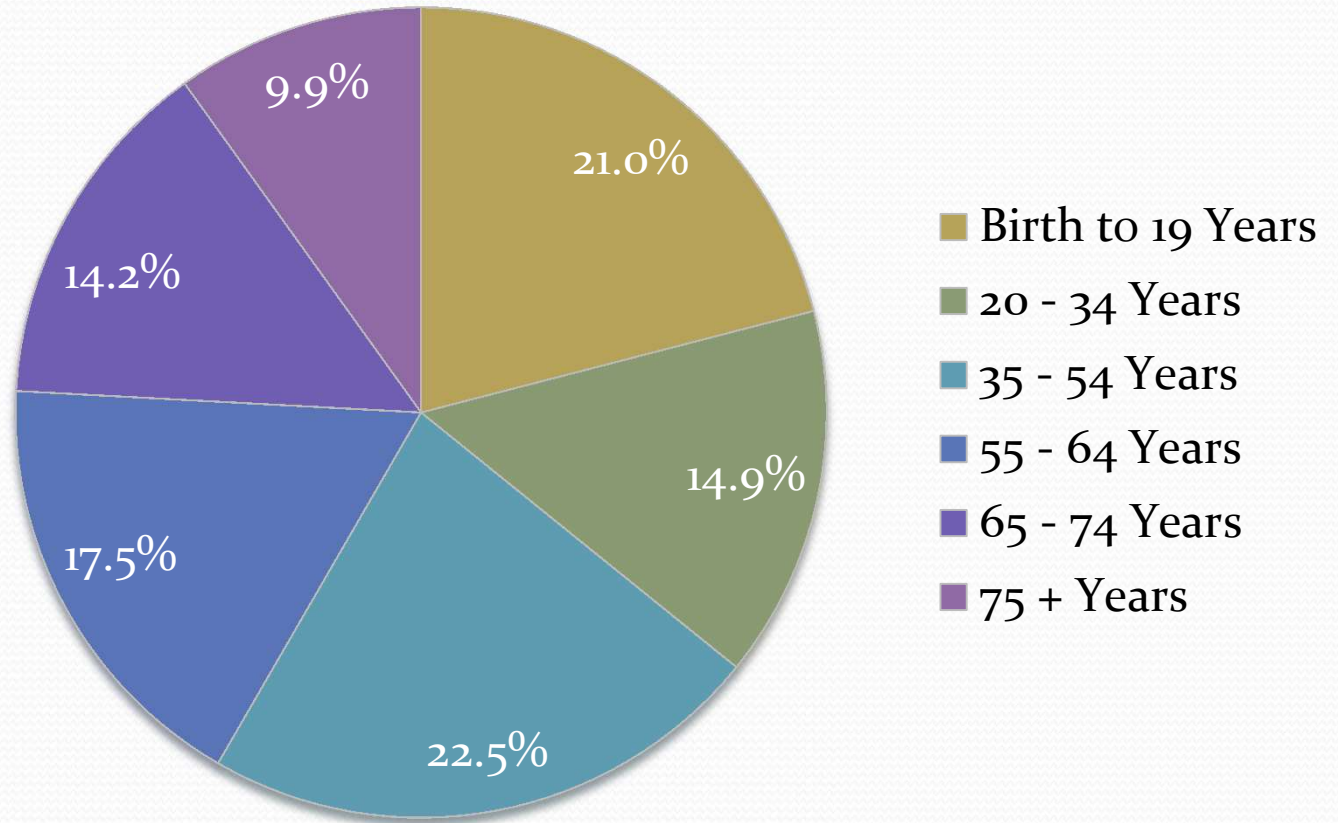


Demographics – Median Age



Demographics

- Age Distribution



Demographics – Disability and Race

	Charlevoix County		Race	Charlevoix County
Under 18 Years	5,058		White	24,951
With a Disability	272		Black or African American	122
Percent	5.4%		American Indian and Alaskan Native	410
18 to 64 Years	14,841		Asian	129
With a Disability	1,755		Native Hawaiian and Other Pacific Islander	16
Percent	11.8%		Some Other Race	23
65 Years and Over	6,036		Two or More Races	537
With a Disability	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
Owner Occupied	9,579
Renter Occupied	2,146
Vacant Housing Units	6,028
Vacant Housing Units (%)	34.0%



Housing

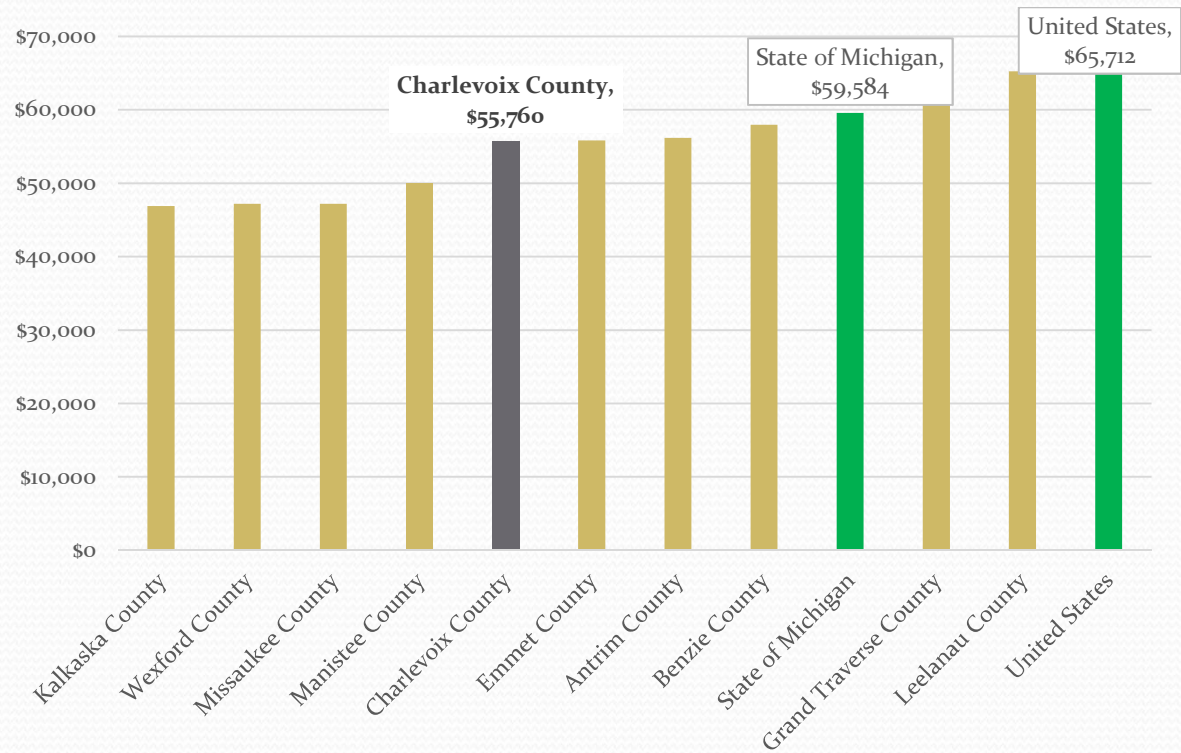
- Units by Year Structure Built

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	
Location	Median Income
Kalkaska County	\$46,898
Wexford County	\$47,193
Missaukee County	\$47,194
Manistee County	\$50,055
Charlevoix County	\$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 in County	Average Annual Wage
Total Covered Employment	782	10,527	100.00%	\$44,558
Agri., forestry, hunting	5	D	D	D
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, warehousing	17	129	1.20%	\$42,443
Utilities	4	147	1.40%	\$107,000
Information	13	72	0.70%	\$27,706
Finance and Insurance	29	160	1.50%	\$47,784
Real Estate, rental, leasing	29	184	1.70%	\$27,435
Professional, technical services	44	D	D	D
Administrative, waste services	53	253	2.40%	\$33,625
Educational services	11	648	6.20%	\$51,753
Health care, social assistance	59	1,687	16.00%	\$46,962
Arts, entertainment, recreation	37	266	2.50%	\$31,888
Accommodation and food services	79	1,826	17.30%	\$27,051
Other services, exc. public admin.	76	305	2.90%	\$44,314
Public administration	22	618	5.90%	\$41,886
Other: Includes (private, management of business, and unallocated)				

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?

Charlevoix 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	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%		
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/Publications/AgCensus/2017/Online_Resources/County_Profiles/Michigan/



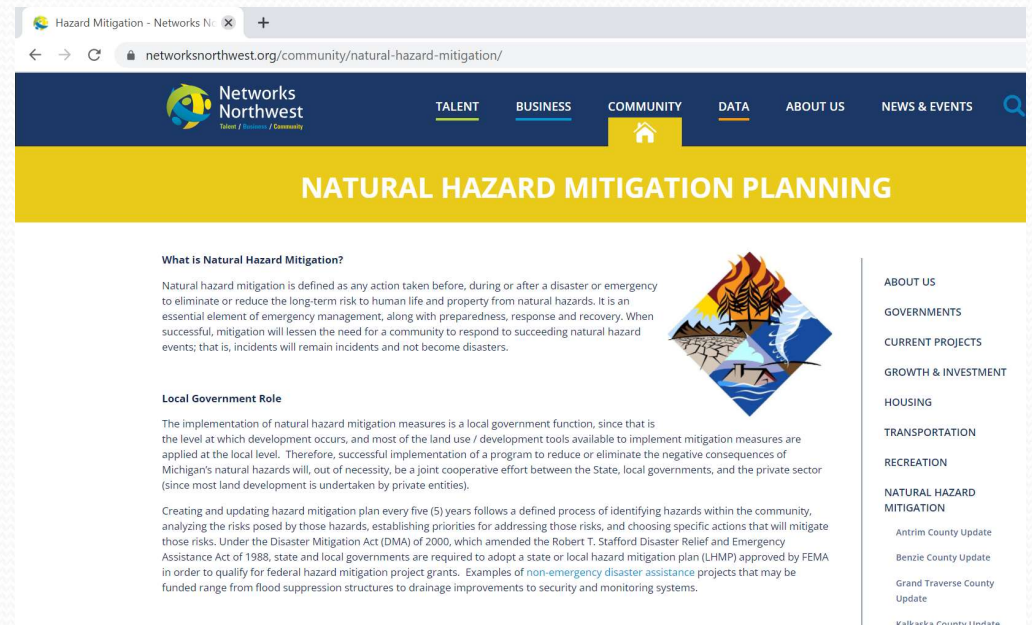
Hazard Mitigation Community Survey

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: nwm.org/HazardPlan
- Prepare hazard analysis
- Next group meeting





Thank you!

- Any questions??