What % of Montana's seniors live in high flood risk areas?

2500

1 in 4 Montana seniors (65+ years old) live in high flood risk areas



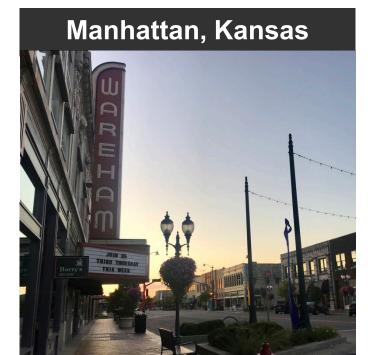


FLOOD WISTANCE

Free technical assistance to decrease flood risk & strengthen communities

Three Forks, Montana





Williston, North Dakota



Glendive, Montana



Today's agenda









3



About Our Tools

Live Demo

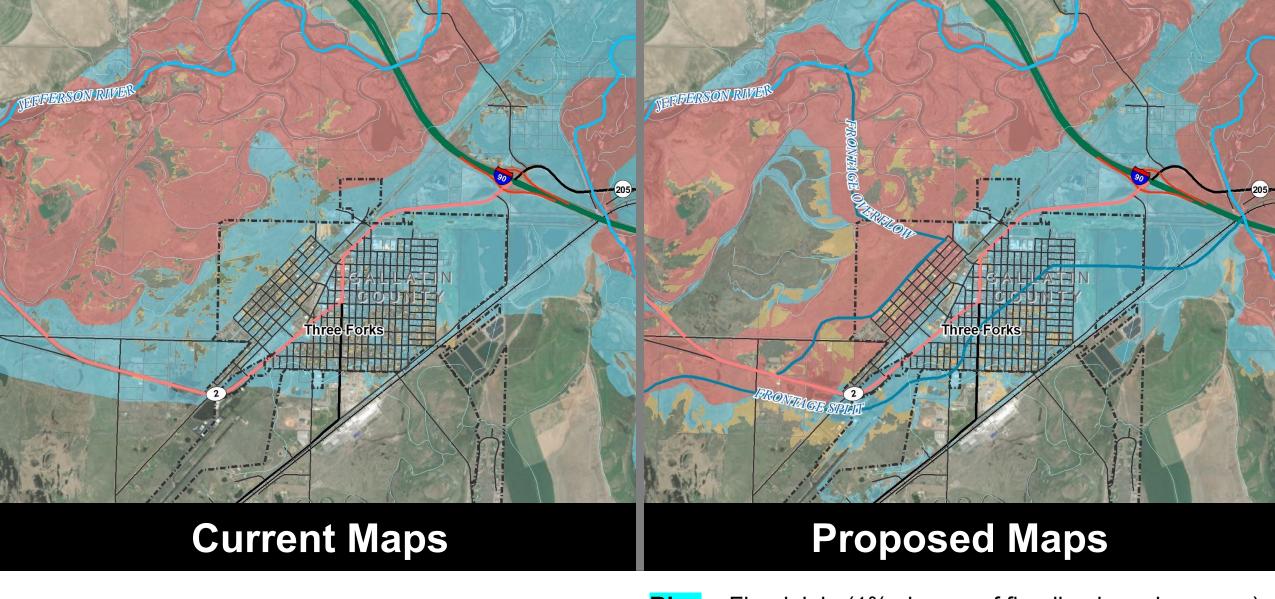
Rural Considerations











Need for the Project

Blue = Floodplain (1% chance of flooding in a given year)

Red = Floodway (most severe risk, deepest water)

FEMA Grant Application Project Benefits

- Protects region's key source of affordable housing (Zillow data)
- Benefits disadvantaged populations (Neighborhoods at Risk data)
- Addresses future climate risk (Neighborhoods at Risk data)



Our Family of Data Tools



Neighborhoods at Risk











Data from dozens of sources:































Maps reveal:

Exposure to flooding and heat

Potentially vulnerable populations

Temperature and precipitation projections



Live Demo





Neighborhoods at Risk

Selected Tracts

Selected Location(s): Grand Rapids, MI

Comparison Location: U.S.

Produced by Headwaters Economics Economic Profile System (EPS) December 2, 2022

Neighborhoods at Risk

Selected Tracts

Families in Poverty

Total families for whom poverty status is

Families in poverty Families with children in poverty Single mother families in poverty

Percent of Total, 2020*

Families with children in poverty Single mother families in poverty Change in Percentage Points, 2010*-

For example, if the value is 3% in 2010* and 4.5% is Families in poverty

Families with children in poverty Single mother families in poverty

High Reliability: Data with coefficients of variation (lium Reliability: Data with CVs between 12 & 40% Low Reliability: Data with CVs > 40% are displayed

35% 30% 25% 20% 15% 10% 5% 0% · Combined Tracts has the largest share of single mother families in poverty (16.5%).

 The largest change in the share of single mother familes in poverty occurred in Grand Rapids, Ml. which -2.0 went from 11.5% to 7.1%. -4.0 -

* ACS 5-year estimates used. 2020 represents ave CITATION: U.S. Department of Commerce, 2022. Census I reported by Headwaters Economics' Neighborhoods at Ri

Neighborhoods at Risk

Selected Tracts

"not well" (7.0%).

Language Proficiency

Population 5 years or older, 2020 Speak English "not well"***, percent Speak English "not well"***, change in percentage points**, 2010*-2020*

**For example, if the value is 3% in 2010* and 4.5% in 2015

High Reliability: Data with coefficients of variation (CVs) < 1 Medium Reliability: Data with CVs between 12 & 40% are in o Low Reliability: Data with CVs > 40% are displayed in red to

Combined Tracts has the largest share of people who speak English 3% -2% -1% -0% -

 The largest change in the share of people who speak English "not well" occurred in Combined Tracts, which went from 9.7% to 7.0%.

-0.5 --1.0 -1.5 -2.0 --2.5 --3.0

* ACS 5-year estimates used. 2020 represents average cha CITATION: U.S. Department of Commerce, 2022, Census Bureau, A reported by Headwaters Economics' Neighborhoods at Risk, head

Neighborhoods at Risk

Selected Tracts

People of Color and Hispanics

otal Population, 2020*	199,
White alone	130,
Black or African American alone	36
American Indian alone	
Asian alone	5
Native Hawaii & Other Pacific Is. alone	
Some other race alone	10,
Two or more races	15
Hispanic or Latino (of any race)	32,
Not Hispanic or Latino	166
Not Hispanic & White alone	115
People of Color and Hispanics	83,
Percent of Total, 2020*	
White alone	65
Black or African American alone	
	18
American Indian alone	.0
American Indian alone Asian alone	.0
	.0
Asian alone	.0
Asian alone Native Hawaii & Other Pacific Is. alone	18
Asian alone Native Hawaii & Other Pacific Is. alone Some other race alone	200
Asian alone Native Hawaii & Other Pacific Is. alone Some other race alone Two or more races	.0
Asian alone Native Hawaii & Other Pacific Is, alone Some other race alone Two or more races Hispanic or Latino (of any race)	2 2 5 7

People of Color and Hispanics

High Reliability: Data with coefficients of variation (CVs) < 12% are in I Medium Reliability: Data with CVs between 12 & 40% are in orange to Low Reliability: Data with CVs > 40% are displayed in red to indicate the



* ACS 5-year estimates used. 2020 represents average characteris CITATION: U.S. Department of Commerce. 2022. Census Bureau, Americal reported by Headwaters Economics' Neighborhoods at Risk, headwaterset Find more reports like this at headwaterseconomics.org/apps/neighborh

Neighborhoods at Risk

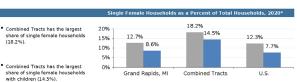
Selected Tracts

Potentially Vulnerable Households

Total Occupied Households, 2020*	76,360	11,364	122,354,219
People > 65 years & living alone	4,447	540	4,651,248
Single female households	9,690	2,065	15,086,810
with children < 18 years	6,596	1,645	9,385,686
Households with no car	9,557	1,908	10,344,521
Percent of Total, 2020*			
People > 65 years & living alone	5.8%	4.8%	3.8%
Single female households	12.7%	18.2%	12.3%
with children < 18 years	8.6%	14.5%	7.7%
Households with no car	12.5%	16.8%	8.5%
Change in Percentage Points, 2010*	·-2020*		
For example, if the value is 3% in 2010* and 4.5%	in 2020*, the reported change	in percentage points is 1.	5.
People > 65 years & living alone	1.8	2.1	-0.9
Single female households	-4.8	-2.6	-0.4
with children < 18 years	-4.6	-1.7	0.0
Households with no car	0.8	0.4	-90.9

High Reliability: Data with coefficients of variation (CVs) < 12% are in black to indicate that the sampling error is relatively small. Medium Reliability: Data with CVs between 12 & 40% are in orange to indicate that the values should be interpreted with caution. Low Reliability: Data with CVs > 40% are displayed in red to indicate that the estimate is considered very unreliable.

olds with No Car as a Percent of Total House 16.8% Grand Rapids, MI has the largest 15% share of households with no car 8.5% 10% -(5.8%). 5% -Grand Rapids, MI Combined Tracts U.S.



■ Single female households ■ with children < 18 years

* ACS 5-year estimates used. 2020 represents average characteristics from 2016-2020; 2010 represents 2006-2010.

CITATION: U.S. Department of Commerce. 2022. Census Bureau, American Community Survey Office, Washington, D.C., reported by Headwaters Economics' Neighborhoods at Risk, headwaterseconomics.org/apps/neighborhoods-at-risl

Find more reports like this at headwaterseconomics.org/apps/neighborhoods-at-risk Data and Graphics | Page 18







Maps highlight:

Where communities need help the most

Root causes of capacity barriers

Where staffing & expertise are needed to support climate resilience

HEADWATERS ECONOMICS

Indicators of rural capacity

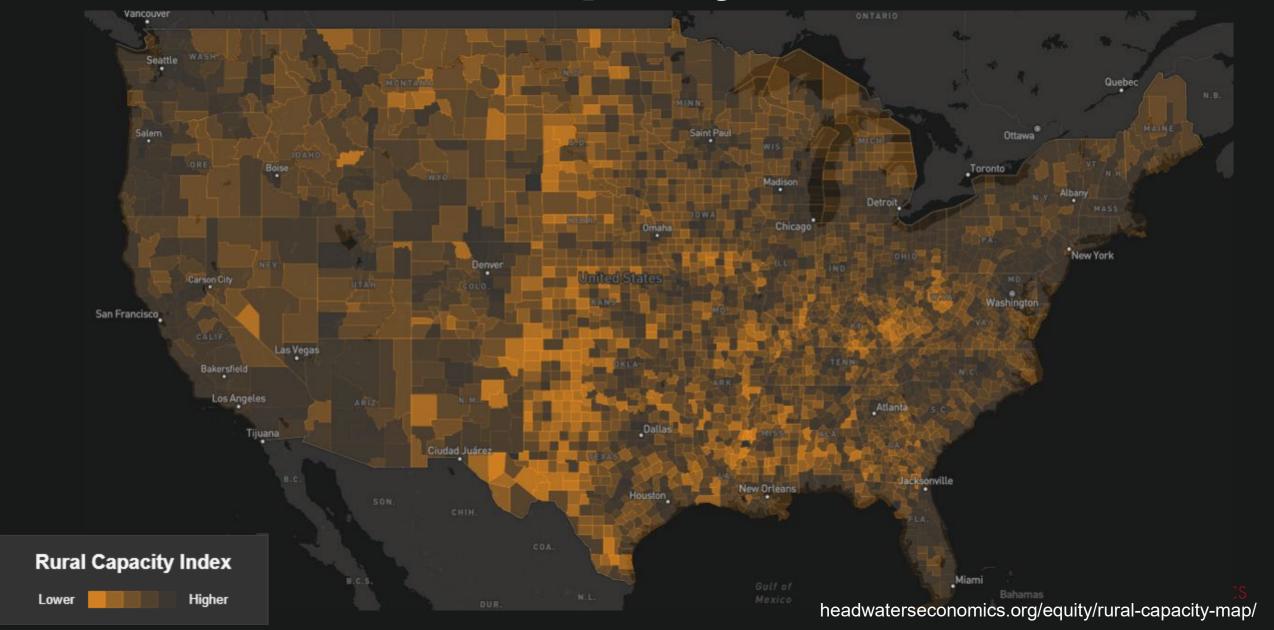


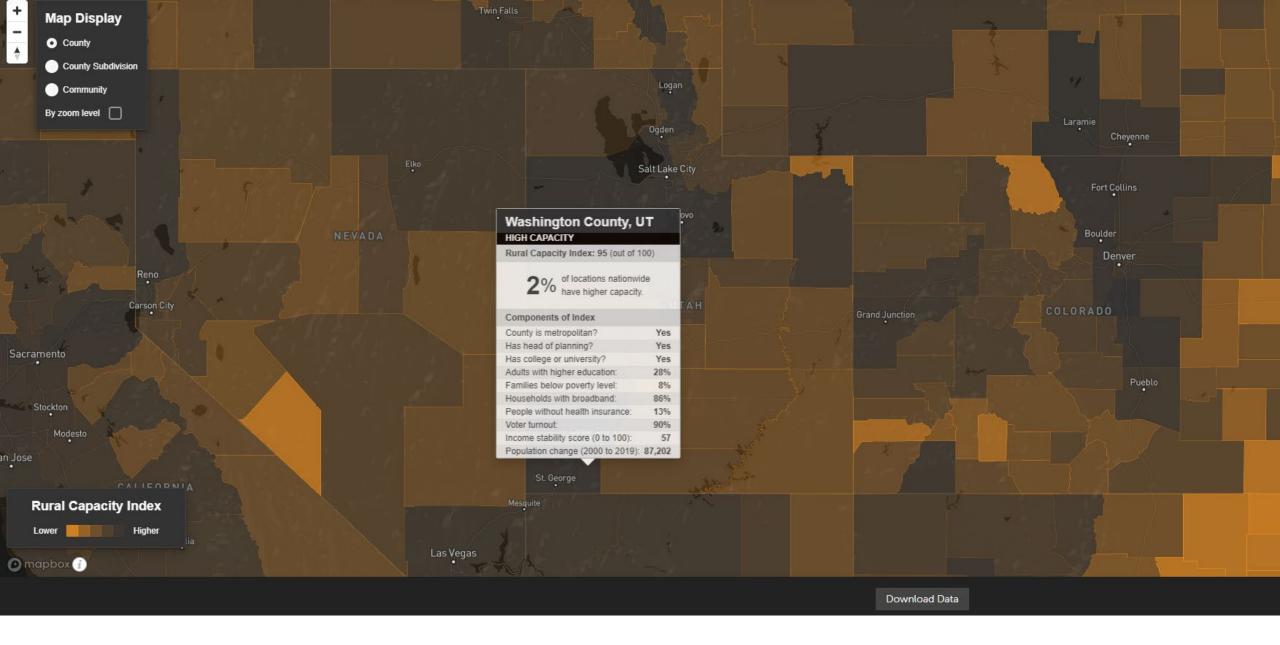


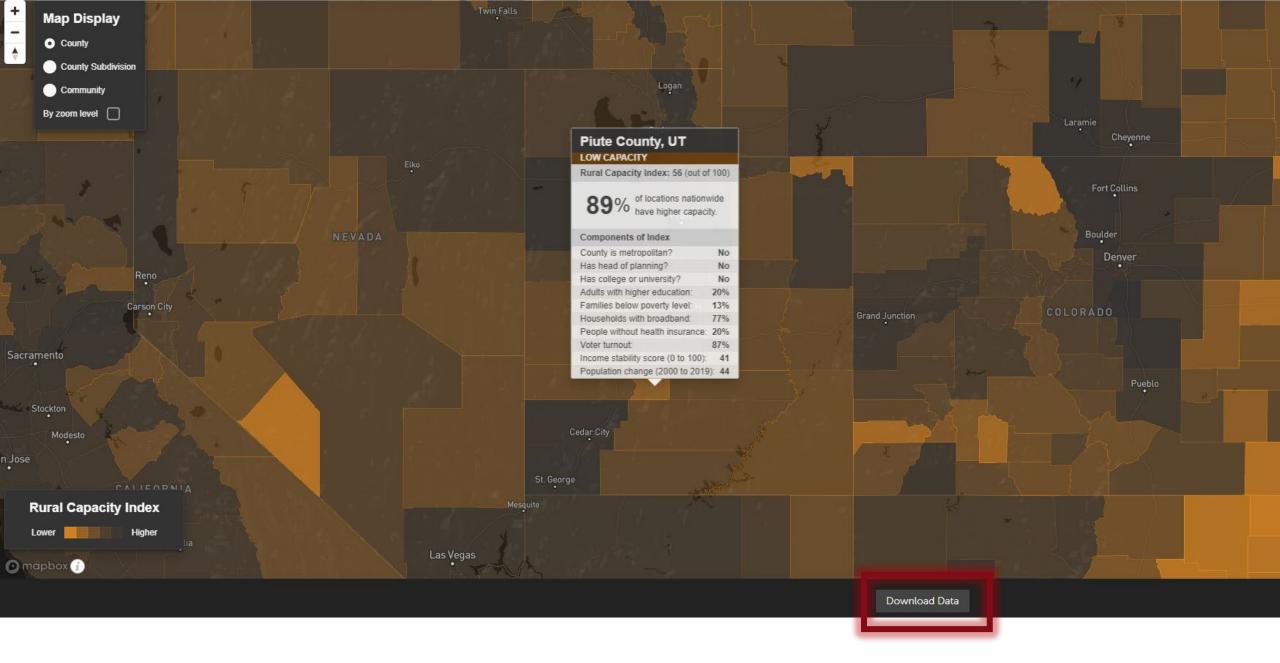




Rural Capacity Index







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Rural Capacity Map



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