

# Appendix B: Public Meeting Materials and Worksheets

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**Example Round 1 Community Profile with Questions**

**Community Profile**

**Village of Culbertson**

**Hayes, Hitchcock, and Frontier Counties  
Hazard Mitigation Plan**

**2023**

Name(s): \_\_\_\_\_

Date: \_\_\_\_\_

**Worksheets Due By:** \_\_\_\_\_

*Please answer the questions in red italics. Your responses are critical for completing this Community Profile. If you do not know an answer, think of who could supply the information and please provide their name and position in the community.*

*Completed Community Profiles and other worksheets can be returned to JEO Consulting Group, Attn: Karl Dietrich, 2000 Q Street Ste 500, Lincoln, NE 68503 or kdietrich@jeo.com. If you have any questions, please call 402-742-7213.*

Section Seven | Village of Culbertson Community Profile

**Local Planning Team**

The Village of Culbertson’s local planning team for the hazard mitigation plan are listed in the table below along with the meetings attended. All planning worksheets were filled out and returned by the community.

**Table CLB.1: Culbertson Local Planning Team**

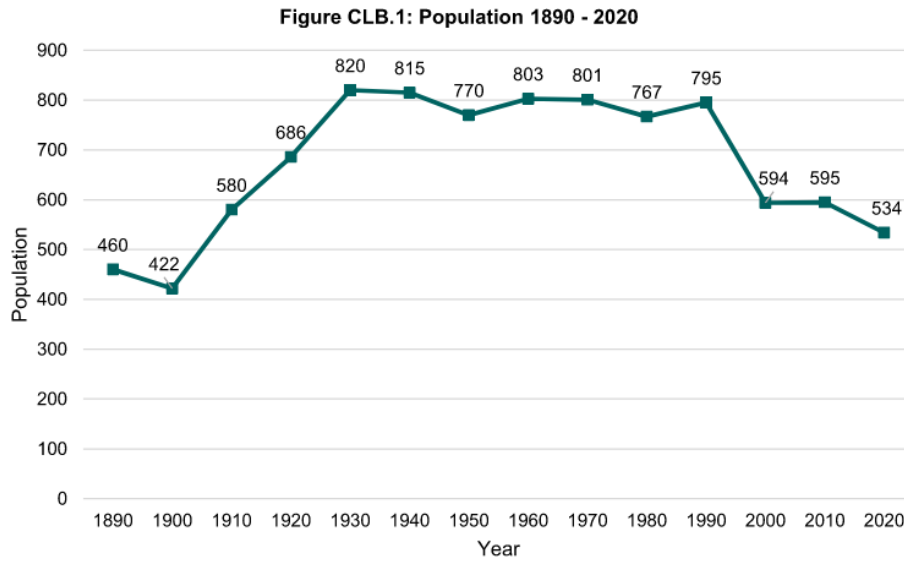
Name	Title	Jurisdiction	R1 Meeting	R2 Meeting

**Location and Geography**

The Village of Culbertson is in northeastern Hitchcock County and covers an area of 0.84 square miles. It is the largest community by population in Hitchcock County. Frenchman Creek and the Republican River run through the southern portion of the village.

**Demographics**

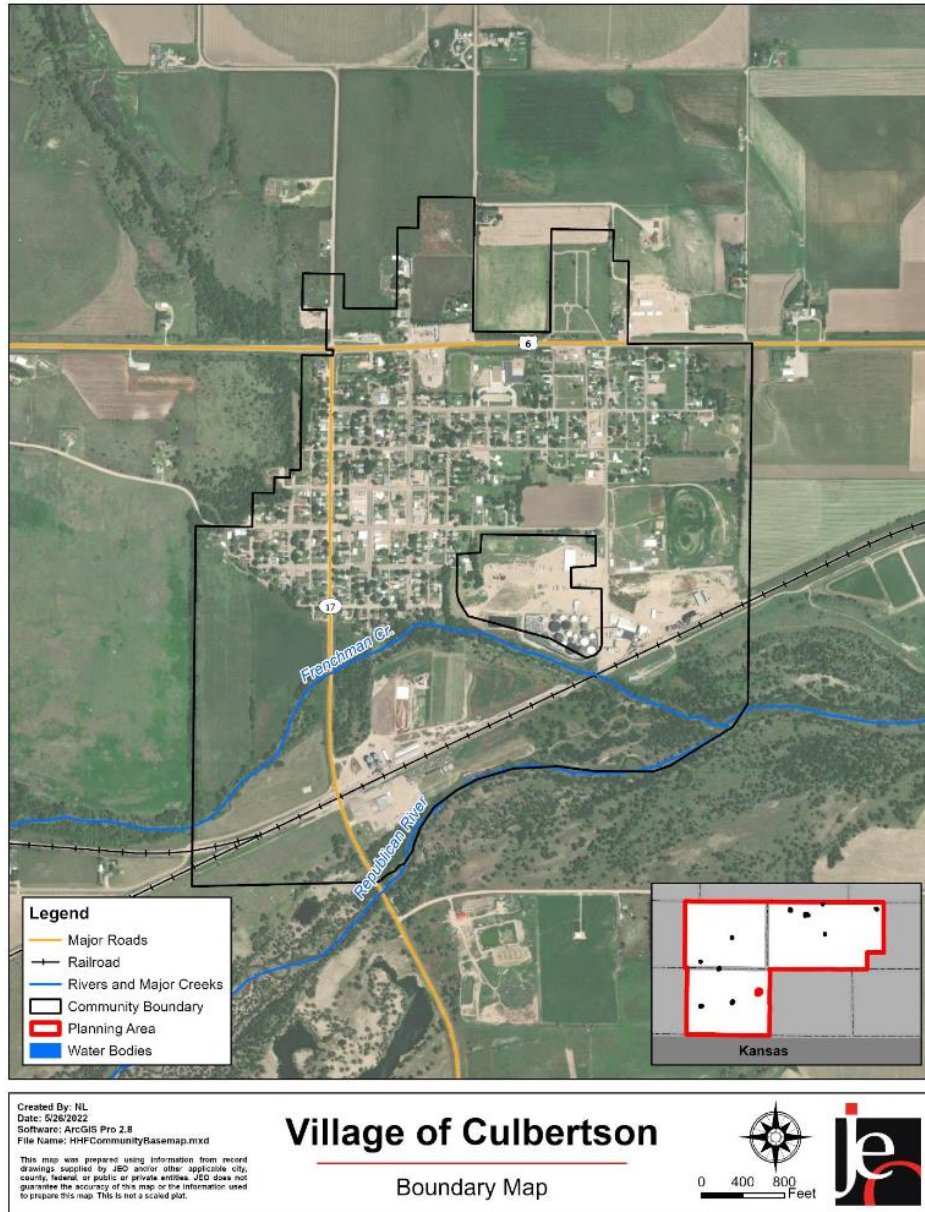
The following figure displays the historical population trend for the Village of Culbertson. This figure indicates that the population of Culbertson has been declining since 2010 to 534 people in 2020. A declining population can lead to more unoccupied and unmaintained housing that is then at risk to high winds and other hazards. Unoccupied housing may also be an economic indicator that future development is unlikely to occur. Furthermore, with fewer residents, tax revenue decreases for the community, which could make implementing mitigation projects more fiscally challenging. Culbertson’s population accounted for 20.4% of Hitchcock County’s population in 2020.<sup>1</sup>



<sup>1</sup> United States Census Bureau. "2020 Census Bureau Decennial Census: P1: Race." <https://data.census.gov/>.

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Figure CLB.2: Village of Culbertson

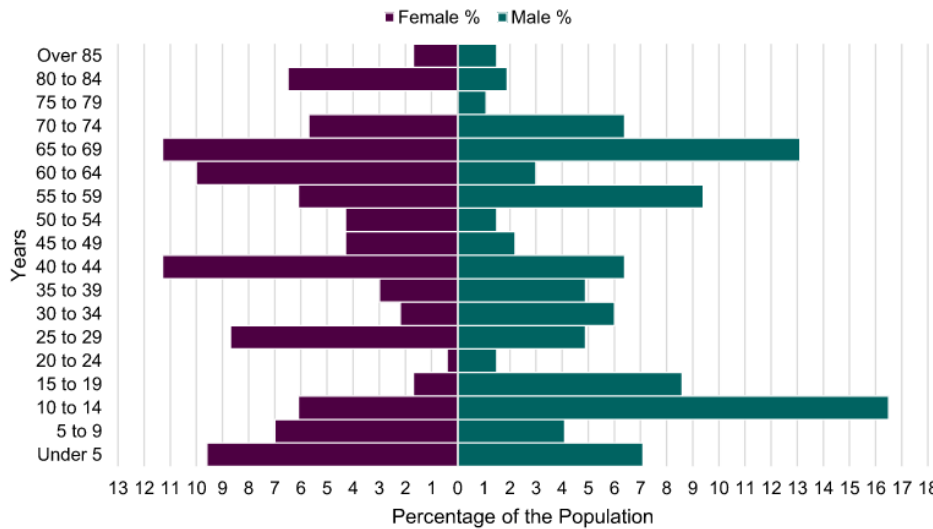


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The young, elderly, and minority populations may be more vulnerable to hazards than other groups. Looking at Culbertson’s population:

- **4.5% is non-white.** Since 2010, Culbertson became more ethnically diverse. In 2010, 2.5% of the Culbertson’s population was non-white. By 2020, 4.5% was non-white.<sup>2</sup>
- **Median age of 40.7.** The median age of Culbertson was 40.7 years old in 2020. The population became younger since 2010, when the median age was 43.2.<sup>3</sup>

Figure CLB.3: Culbertson’s Population Pyramid



The figure above shows Culbertson’s population percentage broken down by sex and five-year age groups. Culbertson’s population is equally spread out between different age groups. This indicates that the population is likely to remain stable in the future.

**Employment and Economics**

Low-income populations, long distance commuters, and the unemployed may be more vulnerable to certain hazards like extreme heat and flooding than other groups. Culbertson’s population has:

- **12.1% of people living below the poverty line.** The poverty rate (12.1%) in the Village of Culbertson was higher than the state’s poverty rate (10.4%) in 2020.<sup>4</sup>
- **\$51,250 median household income.** Culbertson’s median household income in 2020 (\$51,250) was \$11,765 lower than the state (\$63,015).<sup>4</sup>
- **1.2% unemployment rate.** In 2020 Culbertson has a lower unemployment rate (1.2%) when compared to the state (3.4%).<sup>4</sup>

2 United States Census Bureau. “2020 Census Bureau American Community Survey: DP05: ACS Demographic and Housing Estimates.” <https://data.census.gov/>.

3 United States Census Bureau. “2020 Census Bureau American Community Survey: S0101: Age and Sex.” <https://data.census.gov/>.

4 United States Census Bureau. “2020 Census Bureau American Community Survey: DP03: Selected Economic Characteristics.” <https://data.census.gov/>.

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- **11.2% of workers commuted 30 minutes or more to work.** Fewer workers in Culbertson commuted 30 minutes or more to work than compared to workers commuting less than 15 minutes (11.2% compared to 39.3%).<sup>5</sup>

**Major Employers**

*Who are the major employers in the community?*

*Do a lot of people travel to other communities for employment? If yes, where?*

**Housing**

Multiple factors inform the vulnerability of housing units to hazard events. Housing age, for example, may indicate which housing units were built prior to the development of state building codes. Older houses and vacant housing generally more vulnerable to hazards if poorly maintained. Additionally, communities with a substantial number of mobile homes may be more vulnerable to the impacts of high winds, tornadoes, and severe thunderstorms if those homes are not anchored correctly. Renters are particularly vulnerable, as renter-occupied housing depends on the initiative of landlords for proper maintenance and retrofitting to be resilient to disasters. Renters are less likely than homeowners to have flood insurance, have ready access to financial resources to evacuate, or to know their risks to flooding and other hazards. Culbertson's housing stock has:

- **74.1% of housing built prior to 1970.** Culbertson has a larger share of housing built prior to 1970 than the state (74.1% compared to 45.5%).<sup>6</sup>
- **24.9% of housing units vacant.** Culbertson has a higher vacancy rate 24.9% compared to the rest of the state (9.2%).<sup>6</sup>
- **4.2% mobile and manufacture housing.** The Village of Culbertson has a larger share of mobile and manufactured housing (4.2%) compared to the state (3.3%).<sup>6</sup>
- **20.3% renter-occupied.** The rental rate of Culbertson was 20.3% in 2020. This is lower than the state's rate of 33.8%.<sup>6</sup>

*Does the community have a large number of mobile homes? If yes, where are they located?*

**Broadband Access**

Internet or broadband access – through Wi-Fi or cellphone coverage – is a critical means of sharing and receiving information regarding hazardous events, including storm warnings,

<sup>5</sup> United States Census Bureau. "2020 Census Bureau American Community Survey: S0802: Means of Transportation to Work by Selected Characteristics." <https://data.census.gov/>.

<sup>6</sup> United States Census Bureau. "2020 Census Bureau American Community Survey: DP04: Selected Housing Characteristics." <https://data.census.gov/>.



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evacuation orders, or weather updates. Rural communities often lack adequate internet or broadband access. However, internet access is as vital a utility as electricity, as seen through the COVID-19 pandemic when many people worked or attended school from home.

- **75.1% of households have a broadband internet subscription.** Culbertson has a smaller share of households with broadband (75.1%) compared to the state (85.6%).<sup>7</sup>

**Governance**

A community's governance indicates the number of boards or offices that may be available to help implement hazard mitigation actions. The Village of Culbertson is governed by a village board; other governmental offices and departments that may be involved in implementing hazard mitigation initiatives are listed below.

*Please verify the following and provide any additional offices, departments, or committees:*

- **Clerk/Treasurer**
- **Attorney**
- **Utility Superintendent**
- **Village Marshal**
- **Fire Department**
- **Sewer/Street/Water Commissioner**
- **Planning Commission**
- **Parks Department**
- **Floodplain Administrator**
- **Other:** \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Capability Assessment**

The planning team assessed the Village of Culbertson's hazard mitigation capabilities by reviewing local existing policies, regulations, plans, and programs related to hazard mitigation. The following tables summarize the community's planning and regulatory capability; administrative and technical capability; fiscal capability; educational and outreach capability; and overall capability to implement mitigation projects.

*Are municipal funds sufficient to pursue new capital projects or are they limited to maintaining current facilities and systems?*

*Are a large portion of funds already dedicated to a specific project? If yes, which project?*

<sup>7</sup> United States Census Bureau. "2020 Census Bureau American Community Survey: DP02: Selected Social Characteristics in the United States." <https://data.census.gov/>.

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**Has the amount of municipal funds increased, decreased, or stayed the same over recent years?**

**Please check the right column in the following table for your community. The table includes responses from the 2018 HMP. If there have been changes or updates, please cross out the answer and provide the updated answer and date.**

**Table CLB.2: Capability Assessment**

Capability/Planning Mechanism		Yes/No
<b>Planning &amp; Regulatory Capability</b>	Comprehensive Plan	
	Capital Improvements Plan	
	Economic Development Plan	
	Local Emergency Operations Plan	
	Floodplain Management Plan	
	Storm Water Management Plan	
	Zoning Ordinance	
	Subdivision Regulation/Ordinance	
	Floodplain Ordinance	Yes
	Building Codes	
	National Flood Insurance Program	Yes
	Community Rating System	No
	Regional Community Wildfire Protection Plan	Yes
	Other (if any)	
<b>Administrative &amp; Technical Capability</b>	Planning Commission	
	Floodplain Administration	Yes
	GIS Capabilities	
	Chief Building Official	
	Civil Engineering	
	Local staff who can assess community's vulnerability to hazards	
	Grant Manager	
	Mutual Aid Agreement	
Other (if any)		
<b>Fiscal Capability</b>	1- & 6-Year plan	
	Applied for grants in the past	
	Awarded a grant in the past	
	Authority to levy taxes for specific purposes such as mitigation projects	
	Gas/Electric Service Fees	
	Storm Water Service Fees	
Water/Sewer Service Fees		



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Capability/Planning Mechanism	Yes/No	
Development Impact Fees		
General Obligation Revenue or Special Tax Bonds		
Other (if any)		
<b>Education &amp; Outreach Capability</b>	Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc. Ex. CERT Teams, Red Cross, etc.	
	Ongoing public education or information program (e.g., responsible water use, fire safety, household preparedness, environmental education)	
	Natural disaster or safety related school programs	
	StormReady Certification	No
	Firewise Communities Certification	No
	Tree City USA	No
	Other (if any)	

*Does the community plan to add or improve on existing capabilities or plans? If no, why not? If yes, which capabilities or plans?*

*How is your community maintaining compliance with the National Flood Insurance Program (NFIP)?*

*Please rate your jurisdiction's overall capability in the following ways (Limited, Moderate, or High)*

**Table CLB.3: Overall Capability**

Overall Capability	Limited/Moderate/High
Financial resources to implement mitigation projects	
Staff/expertise to implement projects	
Public support to implement projects	
Time to devote to hazard mitigation	

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**Social Vulnerability**

FEMA's National Risk Index is a new mapping tool that analyzes a community's risk to natural hazards on a scale of 0 (lowest possible value) to 100 (highest possible value). The overall risk for Hitchcock County, which includes Culbertson, is Very Low (6.26). The average for the State of Nebraska is 9.43.<sup>8</sup>

- **Social Vulnerability:** Social groups in Hitchcock County have a Relatively Moderate (43.40) susceptibility to adverse impacts of natural hazards when compared to the rest of the U.S.
- **Community Resilience:** Communities in Hitchcock County have a Relatively Low (51.99) ability to prepare for anticipated natural hazards, adapt to changing conditions, and withstand and recover rapidly from disruptions when compared to the rest of the U.S.

An additional tool developed by Headwaters Economics, the Rural Capacity Index, evaluates rural communities and counties across the country for local capacity. Capacity includes the staffing, resources, and expertise to both apply for funding and fulfill reporting requirements, as well as design, build, and maintain infrastructure products over the long term. Communities lacking local capacity often have the greatest need for infrastructure investments particularly, rural communities and communities of color. The Rural Capacity Index helps identify communities with limited capacity on a scale of 0 (no capacity) to 100 (high capacity). This index is based on 10 variables that can function as proxies for community capacity. The following table lists the components and scores for the Village of Culbertson compared to the county.

Table CLB.4: Rural Capacity Index

Components of Index	Village of Culbertson	Hitchcock County
County is Metropolitan?	No	No
Has a Head of Planning?	No	Yes
Has a College or University?	No	No
Adults with Higher Education:	17%	18%
Families Below Poverty Level:	8%	7%
Households with Broadband:	77%	69%
People without Health Insurance:	9%	10%
Voter Turnout:	77%	77%
Income Stability Score (0 to 100):	47	47
Population Change (2000 to 2019):	-7	-349
<b>Overall Rural Capacity Index Score</b>	<b>46</b>	<b>65</b>

Source: Headwaters Economics<sup>9</sup>

**Plans and Studies**

*Please fill out the plan integration worksheet to add this information.*

**Future Development Trends**

*What has changed over the past five years? (For example: new housing or businesses? Demolished buildings? New roads or areas of improvement?)*

<sup>8</sup> Federal Emergency Management Agency. "National Risk Index". Accessed July 2022. <https://hazards.fema.gov/nri/map>.  
<sup>9</sup> Headwaters Economics. January 2022. "Rural Capacity Map". Accessed July 2022. <https://headwaterseconomics.org/equity/rural-capacity-map/>.

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*Were any new structures developed in the floodplain or other hazardous areas? (For example, near chemical sites, the Wildland-Urban Interface, dam or levee inundation areas?) If so, what types of structures and where were they developed?*

*How is development in the floodplain regulated?*

*Are any new housing developments or new businesses/industry planned for the next five years? Where?*

*Does your community have a future land use map? If yes, please provide a copy.*

**Community Lifelines**

Each participating jurisdiction identified community lifelines that are vital for disaster response and essential for returning the jurisdiction’s functions to normal during and after a disaster per the FEMA Community Lifelines guidance. The following subsections list those community lifelines by type, as identified by the local planning team.

**Safety and Security**

The Safety and Security Lifeline includes law enforcement, security, fire services, search and rescue, government services, and community safety. The table below lists Safety and Security Lifelines for Culbertson.

*Please provide a list of Safety and Security facilities for your community in the table below. Indicate their approximate location and which facilities have a backup generator.*

*Examples of Safety and Security include police stations, city/village offices, fire departments, etc.*

Table CLB.5: Safety and Security Lifelines

Name	Address or Intersection	Generator (Y/N)

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**Food, Water, Shelter**

Components of this lifeline include food, water, shelter, and agriculture. Food, Water, and Shelter Lifelines for the Village of Culbertson are included in the table below.

*Please provide a list of Food, Water, and Shelter facilities for your community in the table below. Indicate their approximate location and which facilities have a backup generator.*

*Examples of Food, Water, and Shelter include grocery stores, wells, water towers, water treatment plants, mass shelter locations, etc.*

**Table CLB.6: Food, Water, and Shelter Lifelines**

Name	Address or Intersection	Generator (Y/N)

**Health and Medical**

Health and Medical Lifeline components can include medical care, patient transport, public health, fatality management, and the medical supply chain. The following medical and health facilities are located within the community.

*Please provide a list of Health and Medical facilities for your community in the table below. Indicate their approximate location and which facilities have a backup generator.*

*Examples of Health and Medical include hospitals, health clinics, public health departments, EMS, etc.*

**Table CLB.7: Health and Medical Lifelines**

Name	Type of Facility	Number of Beds	Generator (Y/N)

Source: Nebraska Department of Health and Human Services<sup>10,11,12,13</sup>

**Energy**

Energy Lifeline components include power, the power grid, and fuel. The table below lists Energy Lifelines for Culbertson.

*Please provide a list of Energy facilities for your community in the table below. Indicate their approximate location and which facilities have a backup generator.*

*Examples of Energy include vital gas stations, fuel tanks, electrical substations, etc.*

10 Department of Health and Human Services. 2022. "State of Nebraska: Assisted Living Facilities." <https://dhhs.ne.gov/licensure/Documents/ALF%20Roster.pdf>.  
 11 Department of Health and Human Services. 2022. "State of Nebraska Roster: Hospitals." <https://dhhs.ne.gov/licensure/Documents/Hospital%20Roster.pdf>.  
 12 Department of Health and Human Services. 2022. "State of Nebraska Roster: Long Term Care Facilities." <https://dhhs.ne.gov/licensure/Documents/LTCRoster.pdf>.  
 13 Department of Health and Human Services. 2022. "State of Nebraska Roster: Rural Health Clinic." [https://dhhs.ne.gov/licensure/Documents/RHC\\_Roster.pdf](https://dhhs.ne.gov/licensure/Documents/RHC_Roster.pdf).

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**Table CLB.8: Energy Lifelines**

Name	Address or Intersection	Generator (Y/N)

**Communications**

Components of the Communications Lifeline include communication infrastructure, alerts, 911 dispatch, responder communications, and finance. Communication Lifelines for the Village of Culbertson are included in the table below.

*Please provide a list of Communications facilities for your community in the table below. Indicate their approximate location and which facilities have a backup generator.*

*Examples of Communications include alert sirens, cell towers, dispatch centers, etc.*

**Table CLB.9: Communications Lifelines**

Name	Address or Intersection	Generator (Y/N)

**Transportation**

Transportation Lifeline components include interstates, highways, major roadways, mass transit, railway, and aviation. Culbertson’s major transportation corridors include U.S. Highway 6 and State Highway 17. The most traveled route is Highway 6 with an average of 3,280 vehicles daily, 525 of which are trucks.<sup>14</sup> Culbertson has three rail lines (Burlington Northern Santa Fe, Amtrack, and Nebraska, Kansas Colorado Railway) traveling through the southern portion of the community. Two private airports are located near the village. The Hoyt Airport is 10 miles southwest and Hock Airport is five miles northeast. Transportation information is important to hazard mitigation plans because it suggests possible evacuation corridors in the community, as well as areas more at risk of transportation incidents.

*What other routes are a concern?*

*Have any significant transportation events occurred locally? Please describe.*

<sup>14</sup> Nebraska Department of Transportation. 2021. "Annual Average Daily Traffic Flow." Accessed July 2022. <https://gis.ne.gov/portal/apps/webappviewer/index.html?id=bb00781d6653474d945d51f49e1e7c34>.

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**Hazardous Materials**

The Hazardous Materials Lifeline includes chemical storage facilities, pipelines, and transported chemical tanks. There are no gas transmission or hazardous liquid pipelines in or near the community.<sup>15</sup> According to the Tier II System reports submitted to the Nebraska Department of Environment and Energy, there are seven chemical sites within or near Culbertson which house hazardous materials (listed below).

*Do the facilities listed below have a generator?*

**Table CLB.10: Chemical Storage Lifelines**

Name	Generator (G)	Floodplain (Y/N)
CenturyLink		
Eagle Unit		
Farmers Co-op Grain & Supply		
Kugler Oil Co Fertilizer Plant		
Mentzer Oil Co Bulk Plant		
Rippen Oil		
Upton Unit		

Source: Nebraska Department of Environment and Energy<sup>16</sup>

*Are chemicals regularly transported along local routes? If yes, which chemicals and which routes?*

**Other Community Lifelines**

The Village of Culbertson identified lifelines that did not fit into the previous seven FEMA lifeline categories but are considered lifelines by the community. These other community lifelines are listed in the table below.

*Please provide a list of Other Community Lifelines for your community in the table below. Indicate their approximate location and which facilities have a backup generator.*

*Examples of Other Community Lifelines include schools, large employers, wastewater treatment, etc.*

**Table CLB.11: Other Community Lifelines**

Name	Address or Intersection	Generator (Y/N)

*Map will be added before the Round 2 Meetings*  
**Figure CLB.4: Community Lifelines**

<sup>15</sup> National Pipeline Mapping System. 2022. "Public Viewer." Accessed July 2022. <https://pvnpm.phmsa.dot.gov/PublicViewer/>.  
<sup>16</sup> Nebraska Department of Environment and Energy. "Search Tier II Data." Accessed May 2022.



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**Parcel Improvements and Valuation**

The planning team acquired GIS parcel data from the County Assessor to analyze the location, number, and value of property improvements (e.g. buildings, garages, sheds etc.) at the parcel level. The data did not contain the number of structures on each parcel. A summary of the results of this analysis is provided in the following table.

**Table CLB.12: Parcel Improvements and Value in the Floodplain**

Number of Improvements	Total Improvement Value	Number of Improvements in Floodplain	Value of Improvements in Floodplain	Percentage of Improvements in Floodplain
2	\$130,110	1	\$91,640	50%

Source: County Assessor, 2021

**Historical Occurrences**

See the Hitchcock County profile for historical hazard events, including the number of events, damage estimates, and any fatalities or injuries.

**Hazard Prioritization**

The Hayes, Hitchcock, and Frontier Counties Hazard Mitigation Plan evaluates a range of natural and human-caused hazards which pose a risk to the counties, communities, and other participants. However, during the planning process, the local planning team identified specific hazards of top concern for Culbertson which required a more nuanced and in-depth discussion of past local events, potential impacts, capabilities, and vulnerabilities. The following section expands on the hazards of top concern identified by the Village of Culbertson. Based on this analysis, the local planning team determined their vulnerability to all other hazards to be of low concern. For a review and analysis of other regional hazards, please see *Section Four: Risk Assessment*.

***The following hazards are evaluated in the regional Hazard Mitigation Plan. From this list, please circle the top 3 to 5 hazards of greatest concern for your jurisdiction.***

- Animal and Plant Disease*
- Dam Failure*
- Drought*
- Extreme Heat*
- Flooding*
- Grass/Wildfires*
- Hazardous Materials Release*
- Public Health Emergency*
- Severe Thunderstorms*
- Severe Winter Storms*
- Terrorism and Cyber Security*
- Tornadoes and High Winds*

***As part of the hazard prioritization, please provide some detail for each of the hazards you identified as to why they are of top concern, including past event descriptions, impacts to vulnerable populations, injuries, fatalities, property/crop damages, and current or future mitigation efforts.***

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**Hazard #1:** \_\_\_\_\_

**Describe past events which have impacted your community. Please include the date of event, any property damages, or repairs that were required.**

**Why was this hazard selected as a top concern for the community? What specific vulnerabilities does the community have to this hazard?**

**Have you completed any projects to reduce your risk to this hazard?**

**What projects are needed in the future to reduce risk to your community?**

**Hazard #2:** \_\_\_\_\_

**Describe past events which have impacted your community. Please include the date of event, any property damages, or repairs that were required.**

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*Why was this hazard selected as a top concern for the community? What specific vulnerabilities does the community have to this hazard?*

*Have you completed any projects to reduce your risk to this hazard?*

*What projects are needed in the future to reduce risk to your community?*

*Hazard #3: \_\_\_\_\_*

*Describe past events which have impacted your community. Please include the date of event, any property damages, or repairs that were required.*

*Why was this hazard selected as a top concern for the community? What specific vulnerabilities does the community have to this hazard?*

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*Have you completed any projects to reduce your risk to this hazard?*

*What projects are needed in the future to reduce risk to your community?*

*Hazard #4: \_\_\_\_\_*

*Describe past events which have impacted your community. Please include the date of event, any property damages, or repairs that were required.*

*Why was this hazard selected as a top concern for the community? What specific vulnerabilities does the community have to this hazard?*

*Have you completed any projects to reduce your risk to this hazard?*

*What projects are needed in the future to reduce risk to your community?*

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**Hazard #5:** \_\_\_\_\_

*Describe past events which have impacted your community. Please include the date of event, any property damages, or repairs that were required.*

*Why was this hazard selected as a top concern for the community? What specific vulnerabilities does the community have to this hazard?*

*Have you completed any projects to reduce your risk to this hazard?*

*What projects are needed in the future to reduce risk to your community?*

**Mitigation Strategy**

*Information will be added for the Round 2 meeting.*

**Plan Maintenance**

*Information will be added for the Round 2 meeting.*

## Plan Integration Worksheet



# Hayes, Hitchcock, and Frontier Counties

## HAZARD MITIGATION PLAN PLAN INTEGRATION WORKSHEET

JEO CONSULTING GROUP  
AUGUST 2022

Name(s): \_\_\_\_\_

Jurisdiction: \_\_\_\_\_



## INTRODUCTION

Thank you for participating in the Hayes, Hitchcock, and Frontier Counties Hazard Mitigation Plan.

The Hazard Mitigation Plan determines vulnerabilities to natural and human-caused hazards in your jurisdiction, then identifies mitigation projects to reduce or eliminate those vulnerabilities. An approved HMP is a requirement of the Federal Emergency Management Agency (FEMA) for jurisdictions to become eligible for Hazard Mitigation Assistance grants.

FEMA encourages jurisdictions to integrate their hazard mitigation plan with other planning mechanisms, such as their building codes, comprehensive plans, zoning ordinances, etc. to ensure that plans across a jurisdiction are consistent and reflect overall goals.

This worksheet will identify the ways that other plans in your jurisdiction are, or could be, aligned with hazard mitigation principles. The information you provide will be used to develop the plan integration section of your jurisdictional profile.

**Please complete these worksheets and return them to JEO Consulting Group by Friday September 30, 2022.**

Email: [kdietrich@jeo.com](mailto:kdietrich@jeo.com)

Phone: 402-742-7213

Fax: 402-435-4110

Mail: JEO Consulting Group  
Attn: Karl Dietrich  
2000 Q Street Suite 500  
Lincoln, NE 68503

### STEP 1

Please complete the following table.

Which of these plans/ordinances does your jurisdiction have?

Plan/Ordinance	Yes/No	Year of most recent update
Comprehensive Plan		
Zoning Ordinance		
Subdivision Regulations		
Floodplain Regulations/Ordinance		
Building Code		
Capital Improvements Plan		
Wellhead Protection Plan		
Water System Emergency Response Plan		
Community Wildfire Protection Plan		
Other:		
Other:		
Other:		

For any additional plans your community has, e.g. Drought Management Plan, Evacuation Plan, Stormwater Management Plan, etc., please send JEO a copy.

### STEP 2

For the plans/ordinances which your community has, please complete the relevant pages in this worksheet. **You do not have to complete the sections for plans/ordinances which your community does not have.**

### COMPREHENSIVE PLAN

Does the comprehensive plan discuss natural hazards?  Yes  No

If yes, which hazards are discussed?

**Does your comprehensive plan:**

Contain goals/objectives aimed at Safe Growth:  Yes  No  In future update

Direct development away from the floodplain:  Yes  No  In future update

Direct housing away from chemical storage facilities:  Yes  No  In future update

Direct housing and vulnerable populations away from major transportation routes:  Yes  No  In future update

Encourage infill development:  Yes  No  In future update

Encourage elevation of structures located in the floodplain:  Yes  No  In future update

Identify areas that need emergency shelters:  Yes  No  In future update

Has the hazard mitigation plan been integrated with the comprehensive plan? If yes, how?

Is there a plan or timeline to update your comprehensive plan?  Yes  No

If yes, explain the plan or timeline.

### BUILDING CODE

If the building codes are based on the International Building Codes, what year/version is in effect?

Have you made any amendments to the Code? If yes, please describe.

Has the hazard mitigation plan been integrated with the building code? If yes, how?

**ZONING ORDINANCE / FLOODPLAIN ORDINANCE / SUBDIVISION REGULATIONS**

Is there a plan or timeline to update your Zoning Ordinance / Floodplain Ordinance / Subdivision Regulations?

Yes  No

If yes, explain the plan or timeline.

**Do the Zoning Ordinance / Floodplain Regulations / Subdivision Regulations:**

Restrict Development in hazard prone areas?  Yes  No  In future update

Prohibit development within the floodplain?  Yes  No  In future update

Discourage development in the floodplain?  Yes  No  In future update

Limit population density in the floodplain?  Yes  No  In future update

Require more than one foot of elevation above Base Flood Elevation in the floodplain?  Yes  No  In future update

Discourage housing and vulnerable populations near chemical storage sites?  Yes  No  In future update

Consider wildfire and the wildland urban interface?  Yes  No  In future update

Do the subdivision regulations restrict subdivision of land within or adjacent to the floodplain?  Yes  No  In future update

Include well setback requirements?  Yes  No  In future update

Include the ability to implement water restrictions?  Yes  No  In future update

Has the hazard mitigation plan been integrated into these planning documents? If yes, how?

**WELLHEAD PROTECTION PLAN / WATER SYSTEM EMERGENCY RESPONSE PLAN**

Please provide an electronic copy or a link of the plan(s) to JEO.

Has the hazard mitigation plan been integrated with either of these plans? If yes, how?

**CAPITAL IMPROVEMENT PLAN**

Is there a plan or timeline to update your Capital Improvement Plan?  Yes  No

If yes, explain the plan or timeline.

**Does the Capital Improvement Plan include:**

- Stormwater projects?  Yes  No  In future update
- Upsizing of culverts and drainage structures?  Yes  No  In future update
- Upgrading storm sewer systems?  Yes  No  In future update
- Improving transportation routes for drainage?  Yes  No  In future update
- Widening roadways that would improve evacuations?  Yes  No  In future update
- Bridge improvements?  Yes  No  In future update
- Installing new municipal wells?  Yes  No  In future update
- Upsizing water distribution pipes?  Yes  No  In future update
- Installing water meters for residential structures?  Yes  No  In future update
- Updating electrical distribution system?  Yes  No  In future update
- Burying powerlines?  Yes  No  In future update
- Installing emergency generators in critical facilities?  Yes  No  In future update
- Constructing a new fire hall?  Yes  No  In future update
- Constructing a new police headquarters?  Yes  No  In future update
- Constructing a new public works facility?  Yes  No  In future update
- Constructing a new community center?  Yes  No  In future update
- Constructing a community storm shelter?  Yes  No  In future update
- Constructing a new water treatment facility?  Yes  No  In future update

Has the hazard mitigation plan been integrated with the capital improvement plan? If yes, how?

**Example Round 2 Community Profile with Questions**

**Community Profile**

**Village of Culbertson**

**Hayes, Hitchcock, and Frontier Counties  
Hazard Mitigation Plan**

**2023**

Name(s): \_\_\_\_\_

Date: \_\_\_\_\_

**Worksheets Due By:** \_\_\_\_\_

*Please answer the questions in red italics. Your responses are critical for completing this Community Profile. If you do not know an answer, think of who could supply the information and please provide their name and position in the community.*

*Completed Community Profiles and other worksheets can be returned to JEO Consulting Group, Attn: Karl Dietrich, 2000 Q Street Ste 500, Lincoln, NE 68503 or kdietrich@jeo.com. If you have any questions, please call 402-742-7213.*



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**Local Planning Team**

The Village of Culbertson’s local planning team for the hazard mitigation plan are listed in the table below along with the meetings attended. All planning worksheets were filled out and returned by members of the local planning team.

**Table CLB.1: Culbertson Local Planning Team**

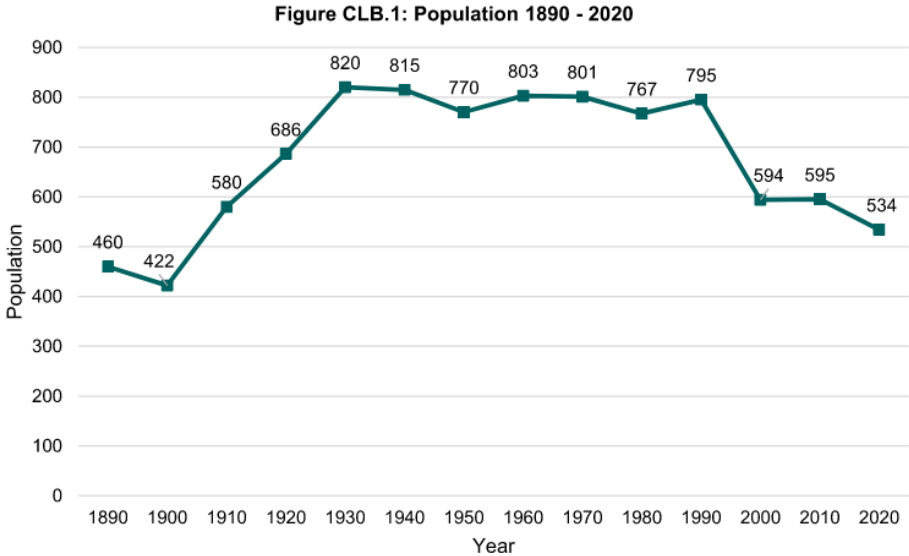
Name	Title	Jurisdiction	R1 Meeting	R2 Meeting
JoLyn Hare	Clerk / Treasurer	Village of Culbertson	Curtis	

**Location and Geography**

The Village of Culbertson is in northeastern Hitchcock County and covers an area of 0.84 square miles. It is the largest community by population in Hitchcock County. Frenchman Creek and the Republican River run through the southern portion of the village.

**Demographics**

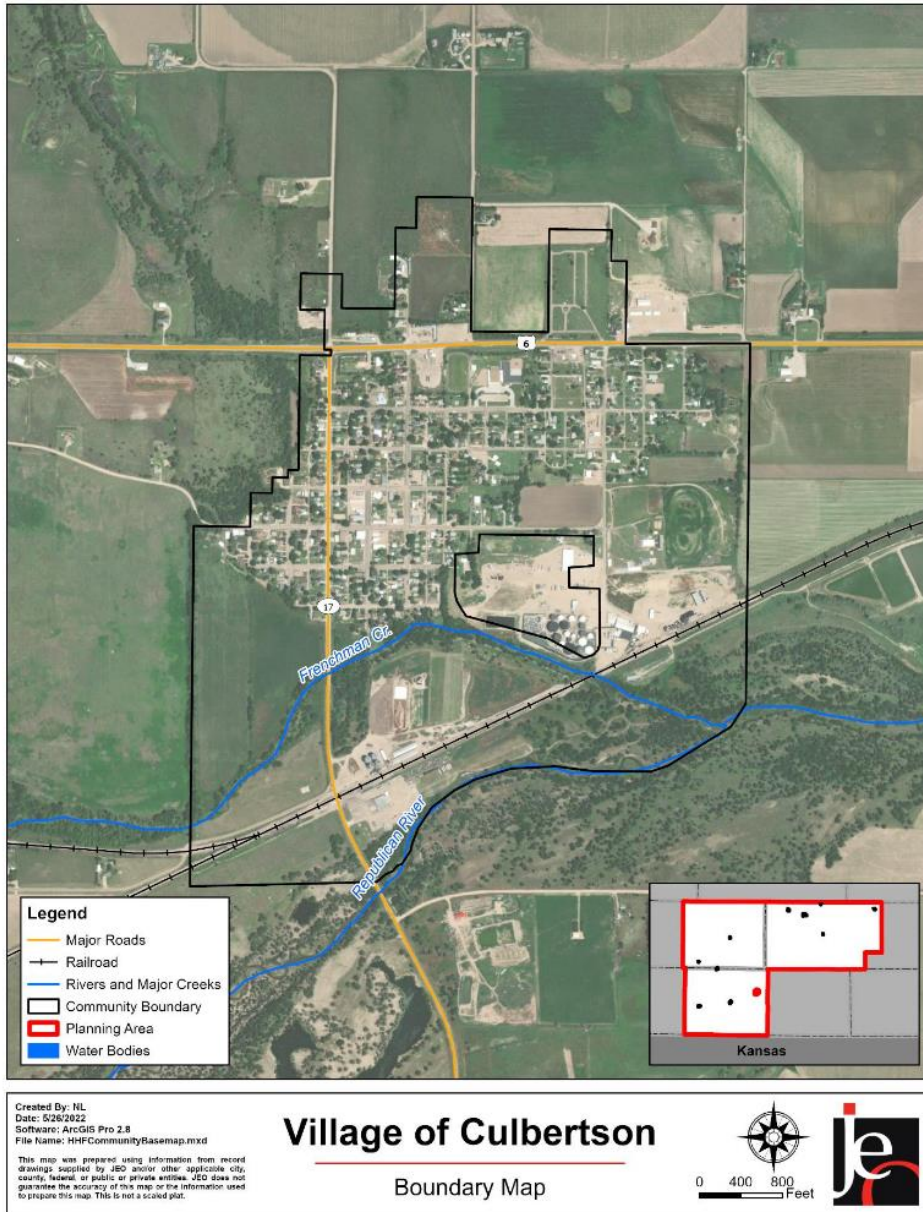
The following figure displays the historical population trend for the Village of Culbertson. This figure indicates that the population of Culbertson has been declining since 2010 to 534 people in 2020. A declining population can lead to more unoccupied and unmaintained housing that is then at risk to high winds and other hazards. Unoccupied housing may also be an economic indicator that future development is unlikely to occur. Furthermore, with fewer residents, tax revenue decreases for the community, which could make implementing mitigation projects more fiscally challenging. Culbertson’s population accounted for 20.4% of Hitchcock County’s population in 2020.<sup>1</sup>



<sup>1</sup> United States Census Bureau. "2020 Census Bureau Decennial Census: P1: Race." <https://data.census.gov/>.

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Figure CLB.2: Village of Culbertson

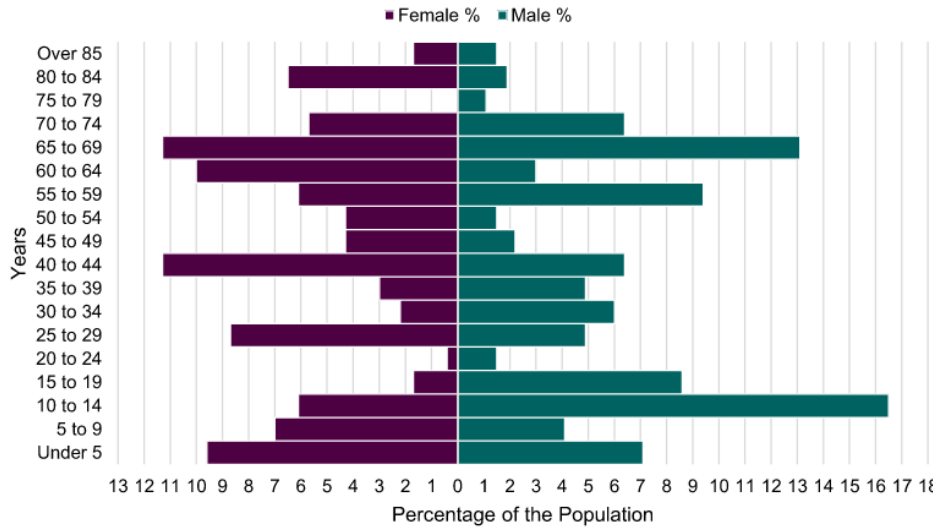


Section Seven | Village of Culbertson Community Profile

The young, elderly, and minority populations may be more vulnerable to hazards than other groups. Looking at Culbertson’s population:

- **4.5% is non-white.** Since 2010, Culbertson became more ethnically diverse. In 2010, 2.5% of the Culbertson’s population was non-white. By 2020, 4.5% was non-white.<sup>2</sup>
- **Median age of 40.7.** The median age of Culbertson was 40.7 years old in 2020. The population became younger since 2010, when the median age was 43.2.<sup>3</sup>

Figure CLB.3: Culbertson’s Population Pyramid



The figure above shows Culbertson’s population percentage broken down by sex and five-year age groups. Culbertson’s population is equally spread out between different age groups. This indicates that the population is likely to remain stable in the future.

**Employment and Economics**

Low-income populations, long distance commuters, and the unemployed may be more vulnerable to certain hazards like extreme heat and flooding than other groups. Culbertson’s population has:

- **12.1% of people living below the poverty line.** The poverty rate (12.1%) in the Village of Culbertson was higher than the state’s poverty rate (10.4%) in 2020.<sup>4</sup>
- **\$51,250 median household income.** Culbertson’s median household income in 2020 (\$51,250) was \$11,765 lower than the state (\$63,015).<sup>4</sup>
- **1.2% unemployment rate.** In 2020 Culbertson has a lower unemployment rate (1.2%) when compared to the state (3.4%).<sup>4</sup>

2 United States Census Bureau. “2020 Census Bureau American Community Survey: DP05: ACS Demographic and Housing Estimates.” <https://data.census.gov/>.

3 United States Census Bureau. “2020 Census Bureau American Community Survey: S0101: Age and Sex.” <https://data.census.gov/>.

4 United States Census Bureau. “2020 Census Bureau American Community Survey: DP03: Selected Economic Characteristics.” <https://data.census.gov/>.

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- **11.2% of workers commuted 30 minutes or more to work.** Fewer workers in Culbertson commuted 30 minutes or more to work than compared to workers commuting less than 15 minutes (11.2% compared to 39.3%).<sup>5</sup>

**Major Employers**

Major employers in Culbertson include Kugler’s, Frenchman Valley Co-op, Go Light, and Hillside Perk. A lot of residents commute to McCook for employment.

**Housing**

Multiple factors inform the vulnerability of housing units to hazard events. Housing age, for example, may indicate which housing units were built prior to the development of state building codes. Older houses and vacant housing generally more vulnerable to hazards if poorly maintained. Additionally, communities with a substantial number of mobile homes may be more vulnerable to the impacts of high winds, tornadoes, and severe thunderstorms if those homes are not anchored correctly. Renters are particularly vulnerable, as renter-occupied housing depends on the initiative of landlords for proper maintenance and retrofitting to be resilient to disasters. Renters are less likely than homeowners to have flood insurance, have ready access to financial resources to evacuate, or to know their risks to flooding and other hazards. Culbertson’s housing stock has:

- **74.1% of housing built prior to 1970.** Culbertson has a larger share of housing built prior to 1970 than the state (74.1% compared to 45.5%).<sup>6</sup>
- **24.9% of housing units vacant.** Culbertson has a higher vacancy rate 24.9% compared to the rest of the state (9.2%).<sup>6</sup>
- **4.2% mobile and manufacture housing.** The Village of Culbertson has a larger share of mobile and manufactured housing (4.2%) compared to the state (3.3%).<sup>6</sup> The village has an ordinance that mobile homes cannot be placed west of Railroad Street.
- **20.3% renter-occupied.** The rental rate of Culbertson was 20.3% in 2020. This is lower than the state’s rate of 33.8%.<sup>6</sup>

**Broadband Access**

Internet or broadband access – through Wi-Fi or cellphone coverage – is a critical means of sharing and receiving information regarding hazardous events, including storm warnings, evacuation orders, or weather updates. Rural communities often lack adequate internet or broadband access. However, internet access is as vital a utility as electricity, as seen through the COVID-19 pandemic when many people worked or attended school from home.

- **75.1% of households have a broadband internet subscription.** Culbertson has a smaller share of households with broadband (75.1%) compared to the state (85.6%).<sup>7</sup>

<sup>5</sup> United States Census Bureau. “2020 Census Bureau American Community Survey: S0802: Means of Transportation to Work by Selected Characteristics.” <https://data.census.gov/>.

<sup>6</sup> United States Census Bureau. “2020 Census Bureau American Community Survey: DP04: Selected Housing Characteristics.” <https://data.census.gov/>.

<sup>7</sup> United States Census Bureau. “2020 Census Bureau American Community Survey: DP02: Selected Social Characteristics in the United States.” <https://data.census.gov/>.



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**Governance**

A community's governance indicates the number of boards or offices that may be available to help implement hazard mitigation actions. The Village of Culbertson is governed by a village board; other governmental offices and departments that may be involved in implementing hazard mitigation initiatives are listed below.

- Clerk/Treasurer
- Attorney
- Utility Superintendent
- Village Marshal
- Fire Department
- Sewer/Street/Water Commissioner
- Planning Commission
- Parks Department
- Floodplain Administrator

**Capability Assessment**

The planning team assessed the Village of Culbertson's hazard mitigation capabilities by reviewing local existing policies, regulations, plans, and programs related to hazard mitigation. The following tables summarize the community's planning and regulatory capability; administrative and technical capability; fiscal capability; educational and outreach capability; and overall capability to implement mitigation projects. Culbertson does not anticipate improving or adding to existing capabilities due a lack of funding and personnel.

Village funds are limited to maintaining current facilities and systems, but a large portion of funds have not already been dedicated to a specific project. Funds have stayed the same in recent years.

**Table CLB.2: Capability Assessment**

Capability/Planning Mechanism		Yes/No
<b>Planning &amp; Regulatory Capability</b>	Comprehensive Plan	No
	Capital Improvements Plan	No
	Economic Development Plan	No
	Local Emergency Operations Plan	Yes
	Floodplain Management Plan	No
	Storm Water Management Plan	No
	Zoning Ordinance	Yes
	Subdivision Regulation/Ordinance	No
	Floodplain Ordinance	Yes
	Building Codes	Yes
	National Flood Insurance Program	Yes
	Community Rating System	No
	Regional Community Wildfire Protection Plan	Yes
	Other (if any)	Water System Emergency Response Plan, Wellhead Protection Ordinance
	Planning Commission	Yes

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Capability/Planning Mechanism		Yes/No
<b>Administrative &amp; Technical Capability</b>	Floodplain Administration	Yes
	GIS Capabilities	Yes
	Chief Building Official	No
	Civil Engineering	No
	Local staff who can assess community's vulnerability to hazards	Yes
	Grant Manager	No
	Mutual Aid Agreement	No
	Other (if any)	-
<b>Fiscal Capability</b>	1- & 6-Year plan	Yes
	Applied for grants in the past	Yes
	Awarded a grant in the past	Yes
	Authority to levy taxes for specific purposes such as mitigation projects	No
	Gas/Electric Service Fees	No
	Storm Water Service Fees	No
	Water/Sewer Service Fees	Yes
	Development Impact Fees	No
	General Obligation Revenue or Special Tax Bonds	No
Other (if any)	-	
<b>Education &amp; Outreach Capability</b>	Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc. Ex. CERT Teams, Red Cross, etc.	No
	Ongoing public education or information program (e.g., responsible water use, fire safety, household preparedness, environmental education)	No
	Natural disaster or safety related school programs	No
	StormReady Certification	No
	Firewise Communities Certification	No
	Tree City USA	No
	Other (if any)	



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**Please rate your jurisdiction's overall capability in the following ways (Limited, Moderate, or High)**

**Table CLB.3: Overall Capability**

Overall Capability	Limited/Moderate/High
Financial resources to implement mitigation projects	
Staff/expertise to implement projects	
Public support to implement projects	
Time to devote to hazard mitigation	

**Social Vulnerability**

FEMA's National Risk Index is a new mapping tool that analyzes a community's risk to natural hazards on a scale of 0 (lowest possible value) to 100 (highest possible value). The overall risk for Hitchcock County, which includes Culbertson, is Very Low (6.26). The average for the State of Nebraska is 9.43.<sup>8</sup>

- **Social Vulnerability:** Social groups in Hitchcock County have a Relatively Moderate (43.40) susceptibility to adverse impacts of natural hazards when compared to the rest of the U.S.
- **Community Resilience:** Communities in Hitchcock County have a Relatively Low (51.99) ability to prepare for anticipated natural hazards, adapt to changing conditions, and withstand and recover rapidly from disruptions when compared to the rest of the U.S.

An additional tool developed by Headwaters Economics, the Rural Capacity Index, evaluates rural communities and counties across the country for local capacity. Capacity includes the staffing, resources, and expertise to both apply for funding and fulfill reporting requirements, as well as design, build, and maintain infrastructure products over the long term. Communities lacking local capacity often have the greatest need for infrastructure investments particularly, rural communities and communities of color. The Rural Capacity Index helps identify communities with limited capacity on a scale of 0 (no capacity) to 100 (high capacity). This index is based on 10 variables that can function as proxies for community capacity. The following table lists the components and scores for the Village of Culbertson compared to the county.

**Table CLB.4: Rural Capacity Index**

Components of Index	Village of Culbertson	Hitchcock County
County is Metropolitan?	No	No
Has a Head of Planning?	No	Yes
Has a College or University?	No	No
Adults with Higher Education:	17%	18%
Families Below Poverty Level:	8%	7%
Households with Broadband:	77%	69%
People without Health Insurance:	9%	10%
Voter Turnout:	77%	77%
Income Stability Score (0 to 100):	47	47
Population Change (2000 to 2019):	-7	-349
<b>Overall Rural Capacity Index Score</b>	<b>46</b>	<b>65</b>

Source: Headwaters Economics<sup>9</sup>

<sup>8</sup> Federal Emergency Management Agency. "National Risk Index". Accessed July 2022. <https://hazards.fema.gov/nri/map>.  
<sup>9</sup> Headwaters Economics. January 2022. "Rural Capacity Map". Accessed July 2022. <https://headwaterseconomics.org/equity/rural-capacity-map/>.

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**National Flood Insurance Program (NFIP)**

Culbertson is a member of the NFIP having joined on 9/1/1986, and the village's Floodplain Administrator (Chad Dixon) oversees the commitments and requirements of the NFIP including enforcement of the local floodplain management regulations. The initial FIRM for the village was delineated in 5/10/1974 and the current effective map date is 3/18/2008, which has been adopted and incorporated into the local floodplain management regulations. As of August 31, 2021, there are no NFIP policies in-force for the village. Culbertson does not currently have any repetitive loss or severe repetitive loss structures.

*When did the village adopt the current effective flood map and floodplain ordinance?*

*Does Culbertson require permits for developments in the floodplain?*

*How does the village enforce the ordinance or address floodplain management violations?*

*Does Culbertson have challenges with floodplain management and need assistance from NeDNR for management and enforcement?*

*Will your community remain in good standing and continue involvement with the NFIP in the future?*

**Plans and Studies**

Culbertson has several planning documents that discuss or relate to hazard mitigation. Each plan is listed below along with a short description of how it is integrated with the hazard mitigation plan or how it contains hazard mitigation principles. When the village updates these planning mechanisms, the local planning team will review the hazard mitigation plan for opportunities to incorporate the goals and objectives, risk and vulnerability data, and mitigation actions into the plan update.

**Building Code (1976)**

The building code sets standards for constructed buildings and structures. Due to the age of the document, it has not been integrated with hazard mitigation principles. During the code's next update, the hazard mitigation plan will be reviewed for inclusion.

*How is enforcement of the building code handled?*

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**Floodplain Regulations (2012) and Zoning Ordinance (1979)**

The village’s floodplain regulations, zoning ordinance, and subdivision regulations outline where and how development should occur in the future. Since this is the village’s first time participating in the hazard mitigation plan, these documents have not been integrated. However, the documents discourage development in the floodplain and discourage housing and vulnerable populations near chemical storage sites.

**Hitchcock County Local Emergency Operations Plan (2019)**

Trenton is an annex in the Hitchcock County Local Emergency Operations Plan (LEOP). The hazard mitigation plan has not been integrated with this plan; however, the LEOP establishes standardized policies, plans, guidelines, and procedures for emergency resources and governmental entities to respond and recover when a disaster event occurs. It contains information regarding direction and control, communications and warning, damage assessment, emergency public information, evacuation, fire services, health and human services, law enforcement, mass care, protective shelters, and resource management. This plan is updated every five years. Flooding, dam failure, and mass shelter information from the LEOP was used to inform hazard prioritization and community lifelines.

**Water System Emergency Response Plan (2022)**

A water system emergency response plan serves as a guideline for water operators and village administration to minimize the disruption of normal services to consumers and to provide public health protection during an emergency event. The document identifies several natural and human-caused events and discusses the water system’s response during those events. The hazard mitigation plan has not been integrated with this plan, because this is the village’s first time participating.

**Future Development Trends**

There has been little to no development in the community over the last five years. This likely made the village more vulnerable to hazards as the existing building stock ages. In the next five years, there are plans for new housing or commercial developments.

**Community Lifelines**

Each participating jurisdiction identified community lifelines that are vital for disaster response and essential for returning the jurisdiction’s functions to normal during and after a disaster per the FEMA Community Lifelines guidance. The following subsections list those community lifelines by type, as identified by the local planning team.

**Safety and Security**

The Safety and Security Lifeline includes law enforcement, security, fire services, search and rescue, government services, and community safety. The table below lists Safety and Security Lifelines for Culbertson.

Table CLB.5: Safety and Security Lifelines

CL Number	Name	Generator (G) Shelter (S)	Floodplain (Y/N)
1	Ambulance Barn	G	N
2	Fire Department	-	N
3	Library	-	N
4	Village Office	-	

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**Food, Water, Shelter**

Components of this lifeline include food, water, shelter, and agriculture. Food, Water, and Shelter Lifelines for the Village of Culbertson are included in the table below.

**Table CLB.6: Food, Water, and Shelter Lifelines**

CL Number	Name	Generator (G) Shelter (S)	Floodplain (Y/N)
5	Hitchcock County Elementary	S	N
6	Water Tower	G	N

**Health and Medical**

Health and Medical Lifeline components can include medical care, patient transport, public health, fatality management, and the medical supply chain. The following medical and health facilities are located within the community. All identified medical lifelines are identified in other lifeline categories.

**Energy**

Energy Lifeline components include power, the power grid, and fuel. The table below lists Energy Lifelines for Culbertson. Culbertson did not identify any energy lifelines for the community.

**Communications**

Components of the Communications Lifeline include communication infrastructure, alerts, 911 dispatch, responder communications, and finance. Communication Lifelines for the Village of Culbertson are included in the table below.

**Table CLB.9: Communications Lifelines**

CL Number	Name	Generator (G) Shelter (S)	Floodplain (Y/N)
7	Siren Tower #1	-	N
8	Siren Tower #2	-	N

**Transportation**

Transportation Lifeline components include interstates, highways, major roadways, mass transit, railway, and aviation. Culbertson’s major transportation corridors include U.S. Highway 6 and State Highway 17. The most traveled route is Highway 6 with an average of 3,280 vehicles daily, 525 of which are trucks.<sup>10</sup> The local planning team also identified Wyoming Street, Railroad Street and Kleven Avenue as having heavy truck traffic and chemical transportation. Culbertson has three rail lines (Burlington Northern Santa Fe, Amtrack, and Nebraska, Kansas Colorado Railway) traveling through the southern portion of the community. Two private airports are located near the village. The Hoyt Airport is 10 miles southwest and Hock Airport is five miles northeast. Transportation information is important to hazard mitigation plans because it suggests possible evacuation corridors in the community, as well as areas more at risk of transportation incidents. No significant transportation events have occurred in the village.

**Hazardous Materials**

The Hazardous Materials Lifeline includes chemical storage facilities, pipelines, and transported chemical tanks. There are no gas transmission or hazardous liquid pipelines in or near the community.<sup>11</sup> According to the Tier II System reports submitted to the Nebraska Department of

<sup>10</sup> Nebraska Department of Transportation. 2021. "Annual Average Daily Traffic Flow." Accessed July 2022. <https://gis.ne.gov/portal/apps/webappviewer/index.html?id=bb00781d6653474d945d51f49e1e7c34>.  
<sup>11</sup> National Pipeline Mapping System. 2022. "Public Viewer." Accessed July 2022. <https://pvnpm.phmsa.dot.gov/PublicViewer/>.

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Environment and Energy, there are seven chemical sites within or near Culbertson which house hazardous materials (listed below).

**Table CLB.10: Chemical Storage Lifelines**

CL Number	Name	Generator (G)	Floodplain (Y/N)
9	CenturyLink	G	N
10	Farmers Co-op Grain & Supply	-	N
11	Kugler Oil Co Fertilizer Plant	-	Y
12	Mentzer Oil Co Bulk Plant	-	N
13	Rippen Oil	-	N

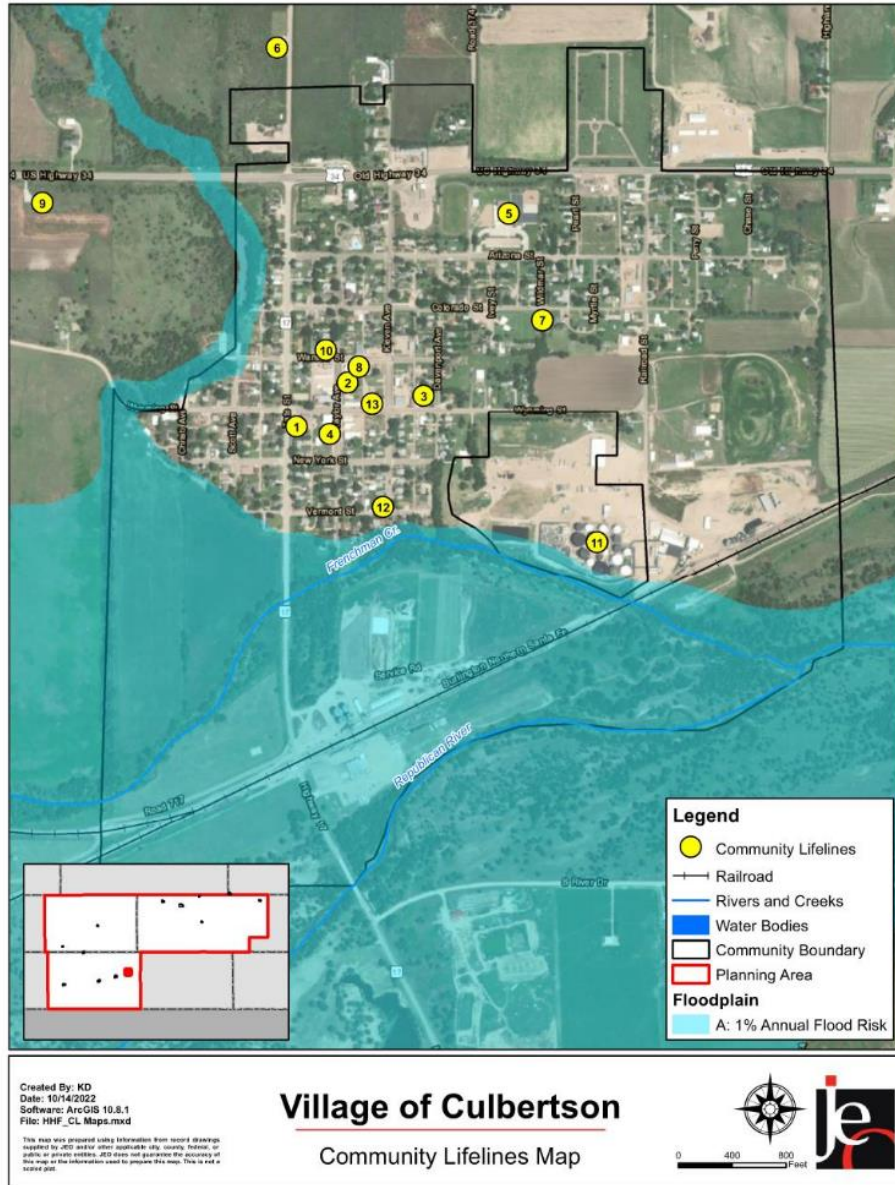
Source: Nebraska Department of Environment and Energy<sup>12</sup>

<sup>12</sup> Nebraska Department of Environment and Energy. "Search Tier II Data." Accessed May 2022.



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Figure CLB.4: Community Lifelines



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**Parcel Improvements and Valuation**

The planning team acquired GIS parcel data from the County Assessor to analyze the location, number, and value of property improvements (e.g. buildings, garages, sheds etc.) at the parcel level. The data did not contain the number of structures on each parcel. A summary of the results of this analysis is provided in the following table.

**Table CLB.12: Parcel Improvements and Value in the Floodplain**

Number of Improvements	Total Improvement Value	Number of Improvements in Floodplain	Value of Improvements in Floodplain	Percentage of Improvements in Floodplain
2	\$130,110	1	\$91,640	50%

Source: County Assessor, 2021

**Historical Occurrences**

See the Hitchcock County profile for historical hazard events, including the number of events, damage estimates, and any fatalities or injuries.

**Hazard Prioritization**

The Hayes, Hitchcock, and Frontier Counties Hazard Mitigation Plan evaluates a range of natural and human-caused hazards which pose a risk to the counties, communities, and other participants. However, during the planning process, the local planning team identified specific hazards of top concern for Culbertson which required a more nuanced and in-depth discussion of past local events, potential impacts, capabilities, and vulnerabilities. The following section expands on the hazards of top concern identified by the Village of Culbertson. Based on this analysis, the local planning team determined their vulnerability to all other hazards to be of low concern. For a review and analysis of other regional hazards, please see *Section Four: Risk Assessment*.

**Drought**

The village and region are currently experiencing a prolonged drought event. The primary concern for the village is wells running dry and not having any water for residents.

*How many wells does the village have?*

*Have the village wells been impacted during past or the current drought event? If yes, what were the impacts?*

*Is the village able to implement water restrictions if necessary? If yes, have they been implemented in the past and what do they say?*

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***Does the village need additional wells/alternative source of water? What about water storage?***

**Flooding**

The Village of Culbertson is located right along Frenchman Creek and the Republican River. This creates a large area of floodplain in the southern portion of the community. Fortunately, the area is mostly farmland and there are very few homes or businesses located in the floodplain. There have been three reported flood events in the community totaling \$475,000 in damages. The most recent and most damaging event occurred in 2008 and caused \$250,000 in damages. According to the Risk Factor website, Culbertson has a minor risk of flooding with 14 properties and two miles of roads having a greater than 26% chance of being affected by flooding over the next 30 years. That risk is unlikely to change in the next 30 years.<sup>13</sup>

***Are there areas of the community that flood more often? If yes, where?***

***What has the village done to reduce the impacts of flooding?***

**Grass/Wildfires**

Due to the ongoing drought, grass/wildfires have become a concern. Vegetation in the region is very dry which increases the risk of wildfires. Culbertson Rural Fire District provides fire coverage for the village. It typically has 20-25 volunteer firefighters. Areas of concern include where agricultural land is located next to residential areas. According to the Nebraska Forest Service's *Wildfire Risk Explorer*, the area surrounding the northern portion of the community has moderate risk of wildfires and the area surrounding the southern portion of the community has low risk of wildfires.<sup>14</sup> This is likely because of Frenchman Creek and the Republican River being located on the southern portion of the village. The fire department indicated that fire breaks are needed in these areas and could be very beneficial in the wildland-urban interface.

***Have any wildfires impacted or threatened the community? If yes, when and what were the impacts?***

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<sup>13</sup> Risk Factor. "Flood Factor: Culbertson, Nebraska". Accessed October 2022. [https://riskfactor.com/city/culbertson/3111615\\_fsid/flood](https://riskfactor.com/city/culbertson/3111615_fsid/flood).

<sup>14</sup> Nebraska Forest Service. "Nebraska Wildfire Risk Explorer". Accessed October 2022. <https://nebraskawildfirerisk.com/>.



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**Hazardous Materials Release**

There are five Tier II chemical storage facilities located in or near the community. Because of this, chemicals are also regularly transported on local routes through the village. Five chemical spills have occurred in the village. The largest event occurred in 1995 when a chemical transportation truck was overfilled and spilled 700 gallons of fuel. No injuries were reported from any of the events. The largest and most concerning site for the local planning team is Kugler Oil. This site is partially located in the floodplain, which increases the risk of a spill and contamination. If a spill were to occur in the village, the local fire department would likely be the first to respond. However, they do not have the proper equipment or training to deal with a hazardous materials event. Assistance would be needed from the Hazmat Team located in McCook, which is 15 minutes away.

*Has the village done anything to reduce the risk of a chemical spill?*

**Tornadoes and High Winds**

While no reported tornado events have impacted the village, tornadoes are still a concern for the local planning team because of the potential destruction if one were to go through the community.

*Does the community have any safe rooms?*

*Do a lot of homes have basements? Where can people go if they are seeking safe shelter?*

*Is power loss a concern for the community? If yes, approximately how many times a year is power lost and typically for how long?*

*What percentage of power lines in the community are buried?*

*Are there trees that need to be removed or trimmed? If yes, where are they generally located?*

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**Mitigation Strategy**

**New Mitigation Actions**

*Please identify at least one mitigation action that your jurisdiction is interested in pursuing or interested in applying for grant funding. Please fill out all rows.*

*Note: FEMA now requires that every hazard identified in your Hazard Prioritization section must have at least one mitigation action that addresses it.*

*For examples of mitigation actions, review the provided FEMA Handbook ([https://www.fema.gov/sites/default/files/2020-06/fema-mitigation-ideas\\_02-13-2013.pdf](https://www.fema.gov/sites/default/files/2020-06/fema-mitigation-ideas_02-13-2013.pdf)) or reach out to a JEO Project Contact.*

Mitigation Action Name	Backup Generators		
Description	Identify locations that are in need of backup generators. Purchase and install backup generators at each identified location.		
Hazard(s) Addressed			
Estimated Cost			
Local Funding			
Timeline	1 Year	2-5 Years	5+ Years
Priority	High	Medium	Low
Do you have the capability to implement this project at this time?	Yes	No	If not, why?
Lead Agency			
Status			

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<b>Mitigation Action Name</b>			
<b>Description</b>			
<b>Hazard(s) Addressed</b>			
<b>Estimated Cost</b>			
<b>Local Funding</b>			
<b>Timeline</b>	1 Year	2-5 Years	5+ Years
<b>Priority</b>	High	Medium	Low
<b>Do you have the capability to implement this project at this time?</b>	Yes	No	If not, why?
<b>Lead Agency</b>			
<b>Status</b>			

<b>Mitigation Action Name</b>			
<b>Description</b>			
<b>Hazard(s) Addressed</b>			
<b>Estimated Cost</b>			
<b>Local Funding</b>			
<b>Timeline</b>	1 Year	2-5 Years	5+ Years
<b>Priority</b>	High	Medium	Low
<b>Do you have the capability to implement this project at this time?</b>	Yes	No	If not, why?
<b>Lead Agency</b>			
<b>Status</b>			

Section Seven | Village of Culbertson Community Profile

<b>Mitigation Action Name</b>			
<b>Description</b>			
<b>Hazard(s) Addressed</b>			
<b>Estimated Cost</b>			
<b>Local Funding</b>			
<b>Timeline</b>	1 Year	2-5 Years	5+ Years
<b>Priority</b>	High	Medium	Low
<b>Do you have the capability to implement this project at this time?</b>	Yes	No	If not, why?
<b>Lead Agency</b>			
<b>Status</b>			

**Plan Maintenance**

Hazard Mitigation Plans should be living documents and updated regularly to reflect changes in hazard events, priorities, and mitigation actions. These updates are encouraged to occur after every major disaster event, alongside community planning documents (e.g., annual budgets and Capital Improvement Plans), during the fall before the HMA grant cycle begins, and/or prior to other funding opportunity cycles begin including CDBG, Water Sustainability Fund, Revolving State Fund, or other identified funding mechanisms.

*For your jurisdiction, what positions are responsible for reviewing and updating the community profile outside of the five-year update?*

*Position: \_\_\_\_\_*

*Position: \_\_\_\_\_*

*Please indicate how frequently your jurisdiction intends to review/revise the profile. (circle one)*

*Every 6 months                      Annually                      Bi-annually*

*How will your jurisdiction notify and involve the public in the plan review and revision? (For example, social media, website updates, letters to all residents, board/council meetings, etc.)*