

26 – Village of Whiting

26.1 Local Hazard Mitigation Planning Team

Primary Point of Contact

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This annex was developed by the local hazard mitigation planning team, whose members are listed in Table 26-1.

Table 26-1. Local Mitigation Planning Team Members			
Name	Title	Name	Title
Dean Curtis	President	Jacob Wilcox	DPW & Utilities

26.2 Jurisdiction Profile

26.2.1 Location and Features

Whiting is a village in Portage County, Wisconsin, United States and is a suburb of Stevens Point. It is included in the Stevens Point Micropolitan Statistical Area. The population was 1,601 at the 2020 census. According to the United States Census Bureau, the village has a total area of 2.16 square miles (5.59 km²), of which, 1.78 square miles (4.61 km²) of it is land, and 0.38 square miles (0.98 km²) is water

26.2.2 History

Whiting is a village in Portage County, Wisconsin, United States and is a suburb of Stevens Point. It is included in the Stevens Point Micropolitan Statistical Area. Whiting became incorporated in 1947.

26.2.3 Governing Body Format

The Village of Whiting is governed by a village board. The Village Board is comprised of a President and Trustees.

26.3 Current Trends

26.3.1 Population

The Village of Whiting, Wisconsin, exhibits a demographic profile characterized by a slight population decline and a median age that is significantly higher than the surrounding Portage County. As of 2020, the population stood at 1,601 residents, representing a decrease from the 2010 census. The community's racial makeup is predominantly white (89.38%), with a median age of 46.5, that is significantly higher than the county average of 38.3. A small percentage of the population (11.3%) speaks a language other than English at home.

Economically, the Village of Whiting demonstrates mixed performance. The median household income (\$69,821) falls below the county average (\$70,061) but the poverty rate (8.1%) is comparable to the county's 9.1%. The homeownership rate in Whiting (74.5%) is significantly higher than the county average (66.9%).

The percentage of residents with a bachelor's degree or higher (31.5%) is comparable to the county average (31.1%). The employment rate in Whiting (53.5%) is lower than the county rate (63.8%). It's important to note that a higher-than-average portion of the population (12.9%) lives with disabilities. The percentage of residents lacking health insurance coverage (2.7%) is slightly lower than the county average (5.1%). According to The HHS emPOWER Program, the 54481-zip code has 5,374 Medicare beneficiaries, 53 of them receive oxygen services, 11 of them receive dialysis services, 17 of them receive home health services, 11 of them receive at-home hospice, and 203 of them use electricity dependent devices or durable medical equipment.

26.3.2 Climate

Whiting, Wisconsin gets 32 inches of rain, on average, per year. The US average is 38 inches of rain per year. Whiting averages 45 inches of snow per year. The US average is 28 inches of snow per year. On average, there are 187 sunny days per year in Whiting. The US average is 205 sunny days. Whiting gets some kind of precipitation, on average, 118 days per year. Precipitation is rain, snow, sleet, or hail that falls to the ground. For precipitation to be counted, you have to get at least .01 inches on the ground to measure.

The National Environmental Modeling and Analysis Center (NEMAC) predicts potential changes in Portage County's climate due to rising emissions. By 2050, average daily highs could increase by up to 3 degrees Fahrenheit, with lows potentially rising by 3 degrees. While total precipitation might stay relatively stable, its distribution could change, leading to more intense rainfall events.

26.3.3 Development

Table 26-2 summarizes development trends in the performance period since the preparation of the previous hazard mitigation plan, as well as expected future development trends.

Criterion	Response
Has your jurisdiction annexed any land since the preparation of the previous hazard mitigation plan? <i>If yes, give the estimated area annexed and estimated number of parcels or structures.</i>	No
Is your jurisdiction expected to annex any areas during the performance period of this plan? <i>If yes, describe land areas and dominant uses.</i> <i>If yes, who currently has permitting authority over these areas?</i>	No
Are any areas targeted for development or major redevelopment in the next five years? <i>If yes, briefly describe, including whether any of the areas are in known hazard risk areas</i>	No No specific areas are targeted for development at this time but there are several areas within the village that could be developed within the next 5 years.
How many permits for new construction were issued in your jurisdiction since the preparation of the previous hazard mitigation plan?	
	2019 2020 2021 2022 2023
	Single Family 3 4 3 6 8
	Accessory Dwelling Unit 0 0 0 0 0
	Multi-Family 0 0 0 0 0
Other (commercial, mixed use, etc.) 1 0 1 0 2	
Total 4 4 4 6 10	
Provide the number of new construction permits for each hazard area or provide a qualitative description of where development has occurred.	Whiting has observed single family development as well as limited commercial development.
Describe the level of buildout in the jurisdiction, based on your jurisdiction's buildable lands inventory. If no such inventory exists, provide a qualitative description.	Whiting is land-locked and has limited area capable of development. However, there are many areas and lots that are currently undeveloped that have the potential to be developed in the future for residential, commercial and industrial uses.

26.4 Capability Assessment

This section describes an assessment of existing capabilities for implementing hazard mitigation strategies. The base plan of the hazard mitigation plan describes the components included in the capability assessment and their significance for hazard mitigation planning. This section summarizes the following findings of the assessment:

- An assessment of planning and regulatory capabilities is presented in Table 26-3.
- Development and permitting capabilities are presented in Table 26-4.
- An assessment of fiscal capabilities is presented in Table 26-5.
- An assessment of administrative and technical capabilities is presented in Table 26-6.
- An assessment of education and outreach capabilities is presented in Table 26-7.
- Information on National Flood Insurance Program (NFIP) compliance is presented in Table 26-8.
- Classifications under various community mitigation programs are presented in Table 26-9.
- The community's adaptive capacity for the impacts of climate change is presented in Table 26-10.

Findings of the capability assessment were reviewed to identify opportunities to expand, initiate or integrate capabilities to further hazard mitigation goals and objectives.

Table 26-3. Planning and Regulatory Capability				
	Local Authority	Other Jurisdiction Authority	State Mandated	Integration Opportunity?
Codes, Ordinances, & Requirements				
Building Code	Yes	Yes	Yes	Yes
<i>Comment: Village of Whiting municipal code Chapter 27/state statutes.</i>				
Zoning Code	Yes	Yes	Yes	Yes
<i>Comment: Village of Whiting municipal code Chapter 18/state statutes.</i>				
Subdivisions	Yes	Yes	No	No
<i>Comment: Village of Whiting Municipal code Chapter 26/state statutes.</i>				
Stormwater Management	No	Yes	No	Yes
<i>Comment: Portage County/State Statutes</i>				
Post-Disaster Management	No	No	No	Yes
<i>Comment: Hazard Mitigation Plan</i>				
Real Estate Disclosure	No	Yes	Yes	Yes
<i>Comment: Wisconsin Statute Chapter 709</i>				
Growth Management	Yes	No	No	Yes
<i>Comment: Village of Whiting Comprehensive Plan</i>				
Site Plan Review	Yes	Yes	No	Yes
<i>Comment: Plan Commission</i>				
Environmental Protection	Yes	Yes	Yes	Yes
<i>Comment: Village of Whiting Wellhead Protection Ordinance Chapter 31/Portage County/State statutes & federal regulations.</i>				
Flood Damage Prevention	Yes	Yes	Yes	Yes
<i>Comment: Village of Whiting municipal code Chapter 20/Portage County/state statutes.</i>				
Emergency Management	Yes	Yes	Yes	Yes
<i>Comment: Wisconsin Statute 323.14</i>				
Climate Change	No	No	No	Yes
<i>Comment: NA</i>				
Other	No	No	No	No
<i>Comment: NA</i>				

	Local Authority	Other Jurisdiction Authority	State Mandated	Integration Opportunity?
Planning Documents				
Comprehensive Plan	Yes	No	Yes	Yes
<i>Is the plan compliant with the Comprehensive Planning Law (s. 66.1001)? Yes</i> <i>Comment: Village of Whiting Comprehensive Plan</i>				
Capital Improvement Plan	Yes	No	No	No
<i>How often is the plan updated? Annually – Biannually.</i> <i>Comment: Water & Sewer utility capital improvement plan and Streets improvement plan.</i>				
Disaster Debris Management Plan	No	No	No	Yes
<i>Comment: NA</i>				
Floodplain or Watershed Plan	Yes	Yes	No	Yes
<i>Comment: Village of Whiting Municipal code Chapter 20/Portage County Planning and Zoning</i>				
Stormwater Plan	Yes	Yes	No	Yes
<i>Comment: Village of Whiting municipal code Chapter 30/state statutes.</i>				
Urban Water Management Plan	Yes	No	No	Yes
<i>Comment: Village of Whiting municipal code Chapter 30/state statutes</i>				
Habitat Conservation Plan	No	No	No	No
<i>Comment: NA</i>				
Economic Development Plan	Yes	No	Yes	No
<i>Comment: Village of Whiting Comprehensive Plan</i>				
Shoreline Management Plan	Yes	Yes	No	Yes
<i>Comment: Village of Whiting municipal code Chapter 29/state statutes.</i>				
Community Wildfire Protection Plan	No	No	No	Yes
<i>Comment: NA</i>				
Forest Management Plan	Yes	No	No	No
<i>Comment: Village of Whiting Urban Forest Stewardship Management Plan</i>				
Climate Action Plan	No	No	No	Yes
<i>Comment: NA</i>				
Emergency Management Plan	Yes	Yes	Yes	Yes
<i>Comment: Water Utility Emergency Response Plan and Sewer CMOM Program</i>				

Threat & Hazard Identification & Risk Assessment (THIRA)	Yes	No	No	Yes
<i>Comment: 26.6.2 of this Document</i>				
Post-Disaster Recovery Plan	No	No	No	Yes
<i>Comment: NA</i>				
Continuity of Operations Plan	No	No	No	Yes
<i>Comment: NA</i>				
Public Health Plan	No	Yes	No	Yes
<i>Comment: Portage County Health and Human Services</i>				
Other	No	No	No	No
<i>Comment: NA</i>				

Table 26-4. Development and Permitting Capability

Criterion	Response
Does your jurisdiction issue development permits? <i>If no, who does? If yes, which department?</i>	Yes. Building Inspector & Village Board.
Does your jurisdiction have the ability to track permits by hazard area?	No
Does your jurisdiction have a buildable lands inventory?	No

Table 26-5. Fiscal Capability

Financial Resource	Accessible or Eligible to Use?
Community Development Block Grants	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	No
User Fees for Water, Sewer, Gas or Electric Service	Yes
Incur Debt through General Obligation Bonds	Yes
Incur Debt through Special Tax Bonds	No
Incur Debt through Private Activity Bonds	No
Withhold Public Expenditures in Hazard-Prone Areas	No
State-Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	No
Other	NA

Table 26-6. Administrative and Technical Capability

Staff/Personnel Resource	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	No	

Engineers or professionals trained in building or infrastructure construction practices	No	
Planners or engineers with an understanding of natural hazards	No	
Staff with training in benefit/cost analysis	Yes	Village Clerk and DPW have experience with cost/benefit analysis.
Surveyors	No	
Personnel skilled or trained in GIS applications	Yes	Utility staff have experience with GIS applications.
Scientist familiar with natural hazards in local area	No	
Emergency manager	Yes	Village President
Grant writers	No	
Other	NA	

Table 26-7. Education and Outreach Capability

Criterion	Response
Do you have a public information officer or communications office? <i>If yes, briefly describe.</i>	No
Do you have personnel skilled or trained in website development?	No
Do you have hazard mitigation information available on your website? <i>If yes, briefly describe.</i>	No
Do you use social media for hazard mitigation education and outreach? <i>If yes, briefly describe.</i>	No
Do you have any citizen boards or commissions that address issues related to hazard mitigation? <i>If yes, briefly describe.</i>	Yes Public Safety Committee
Do you have any other programs already in place that could be used to communicate hazard-related information? <i>If yes, briefly describe.</i>	No
Do you have any established warning systems for hazard events? <i>If yes, briefly describe.</i>	Yes Village-owned warning siren.

Table 26-8. National Flood Insurance Program Compliance

Criterion	Response
What is your participation status in the National Flood Insurance Program?	Participating
What local department is responsible for floodplain management?	Plan Commission
Who is your floodplain administrator? (department/position)	Plan Commission
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date that your flood damage prevention ordinance was last amended?	August 10, 2021
Does your floodplain management program meet or exceed minimum requirements set by NFIP? The DNR's model floodplain ordinance meets NFIP's minimum standards. <i>If exceeds, in what ways?</i>	Meets
When was the most recent Community Assistance Visit or Community Assistance Contact?	NA
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? <i>If so, state what they are.</i>	No
What date was your latest Flood Insurance Rate Map adopted?	7/20/2009
Are any RiskMAP projects currently underway in your jurisdiction? <i>If so, state what they are.</i>	No
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <i>If no, state why.</i>	NA
Does your floodplain management staff need any assistance or training to support its floodplain management program? <i>If so, what type of assistance/training is needed? It would be helpful to have a certified floodplain manager on staff,</i>	NA
Does your jurisdiction participate in the Community Rating System (CRS)? <i>If yes, is your jurisdiction interested in improving its CRS Classification? If no, is your jurisdiction interested in joining the CRS program?</i>	No
How many flood insurance policies are in force in your jurisdiction? ^a <i>What is the insurance in force? What is the premium in force?</i>	Unknown
How many total loss claims have been filed in your jurisdiction? <i>What were the total payments for losses?</i>	Unknown
Please describe the implementation and enforcement of floodplain management regulations to regulate and permit development in Special Flood Hazard Areas.	Plan Commission reviews all site and construction plans. Village Board then takes action on the Plan Commission's recommendation based on their findings.
Please describe the floodplain management programs and activities that contribute to continued compliance with NFIP.	Continued enforcement, control and protection of floodplains as described in Chapter 20 of our

	Municipal Ordinances which was last updated August 10, 2021
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Table 26-9. Community Classifications			
	Participating?	Classification	Date Classified
FIPS Code	Yes	55-86975	N/A
DUNS #	Yes	011531204	N/A
Community Rating System	No		N/A
Building Code Effectiveness Grading Schedule	No	N/A	N/A
Public Protection	Yes	3	11/14/2024
Storm Ready	No	N/A	
Firewise	No	N/A	

Table 26-10. Adaptive Capacity for Climate Change

Criterion	Jurisdiction Rating ^a
Technical Capacity	
Jurisdiction-level understanding of potential climate change impacts. <i>Comment: DPW monitors and assesses potential climate change impacts.</i>	Medium
Jurisdiction-level monitoring of climate change impacts <i>Comment:</i>	Medium
Technical resources to assess proposed strategies for feasibility and externalities. <i>Comment:</i>	Low
Jurisdiction-level capacity for development of greenhouse gas emissions inventory <i>Comment:</i>	Unsure
Capital planning and land use decisions informed by potential climate impacts. <i>Comment:</i>	Medium
Participation in regional groups addressing climate risks. <i>Comment:</i>	Low
Implementation Capability	
Clear authority/mandate to consider climate change impacts during public decision-making processes. <i>Comment:</i>	High
Identified strategies for greenhouse gas mitigation efforts. <i>Comment:</i>	Unsure
Identified strategies for adaptation to impacts. <i>Comment:</i>	Low
Champions for climate action in local government departments <i>Comment:</i>	Low
Political support for implementing climate change adaptation strategies. <i>Comment: Local support for maintaining and increasing green space.</i>	Medium
Financial resources devoted to climate change adaptation. <i>Comment:</i>	Unsure
Local authority over sectors likely to be negative impacted. <i>Comment:</i>	High
Public Capability	
Local residents' knowledge of and understanding of climate risk. <i>Comment:</i>	Medium
Local residents support of adaptation efforts <i>Comment:</i>	Medium
Local residents' capacity to adapt to climate impacts. <i>Comment:</i>	Medium
Local economy's current capacity to adapt to climate impacts. <i>Comment:</i>	Medium
Local ecosystems' capacity to adapt to climate impacts. <i>Comment:</i>	Medium

a. High = Capacity exists and is in use; Medium = Capacity may exist but is not used or could use some improvement; Low = Capacity does not exist or could use substantial improvement; Unsure= Not enough information is known to assign a rating.

26.5 Integration Review

For hazard mitigation planning, “integration” means that hazard mitigation information is used in other relevant planning mechanisms, such as general planning and capital facilities planning, and that relevant information from those sources is used in hazard mitigation. This section identifies where such integration is already in place, and where there are opportunities for further integration in the future. The resources listed at the end of this annex were used to provide information on integration.

26.5.1 Existing Integration

Some level of integration has already been established between local hazard mitigation planning and the following other local plans and programs:

Whiting has begun to integrate with the Portage County Hazard Mitigation plan, where applicable.

26.5.2 Opportunities for Future Integration

The capability assessment presented in this annex identified the following plans and programs that do not currently integrate hazard mitigation information but provide opportunities to do so in the future:

Flood risk and remediation, disaster, climate change, stormwater management and risk identification and management.

26.6 Risk Assessment

26.6.1 Jurisdiction-Specific Hazard Event History

Table 26-11 lists past occurrences of hazards for which specific damage was recorded in The Village of Whiting. Other hazard events that broadly affected the entire planning area, including Portage County, are listed in the risk assessments in the base plan of this hazard mitigation plan.

Type of Event	FEMA Disaster #	Date	Assessed Damage (monetary, fatalities, injuries, structures destroyed or damaged)
Severe Storm	4459	7/20/2019	Approximately \$45,000 in remediation/clean-up & repairs. Damage to several utility structures including a lift station, wastewater treatment facility and water treatment facility.

26.6.2 Hazard Risk and Vulnerability Summary

Table 26-12 presents a summary of all hazards of concern for this jurisdiction including their location, extent, and probability.

Table 5-12. Hazard Risk Ranking			
Hazard	Risk Summary	Vulnerability Summary	Impact Summary
Severe Weather – including tornadoes, high winds, hail, and lightning	<p>Tornadoes, lightning, hail, strong winds.</p> <p>Extended power outages or damage to utility infrastructure could affect the ability to provide water and sewer services. Electrical issues associated with lightning could damage electrical components at various water/sewer utility sites. Debris could block roadways resulting in decreased response time for emergency and utility personnel.</p>	<p>Utility infrastructure and roadways/bridges are the most critical components of our community. River Pines lift station, which provides sewer service to a large senior living facility, apartment complex and several single-family homes is highly vulnerable due to the location of the site.</p>	<p>Major.</p> <p>A severe weather event could limit the ability to provide water/sewer service to our community. Large amounts of tree damage would negatively impact travel within our community.</p>
Flooding – including Dam Failure	<p>Severe flooding or dam failure in Whiting or other upstream community.</p> <p>Severe flooding could damage several bridges, including a railroad bridge in Whiting and effect several homes in areas where drainage may be of concern. Lower Whiting Park and our wastewater treatment facility could be affected due to their location on the Plover River.</p>	<p>Wastewater treatment facility, Lower Whiting Park, Whiting Road Bridge and all lift stations.</p> <p>Vulnerable due to close proximity to Plover River and Wisconsin River.</p>	<p>Major.</p> <p>Severe flooding or dam failure could overtake our wastewater treatment facility eliminating our ability to handle and treat wastewater until water levels decrease. This would include lift stations as well.</p> <p>Whiting Road Bridge would likely be affected resulting in potential increased response time for emergency personnel.</p>
Wildfire	<p>Whiting is home to over 210 forested acres which largely consists of various types of coniferous trees with a mix of hardwoods.</p>	<p>Much of Whiting's population is located in close proximity to these wooded areas. A large percentage of Whiting's homes could</p>	<p>Major.</p> <p>Significant loss of life and property, damage to utility infrastructure and economic</p>

	<p>All of these wood areas are either located directly within or immediately adjacent to single-family neighborhoods.</p> <p>Most utility facilities are also located within or directly adjacent to these wooded areas.</p>	<p>be potentially impacted by wildfire.</p> <p>All of our wooded areas are highly seasonally vulnerable to wildfire based on environmental conditions. Neighborhoods in Stevens Point and Plover could also be affected.</p>	<p>disruption are possible.</p>
Drought	<p>Severe drought resulting in high fire danger potential.</p>	<p>See above.</p>	<p>See above.</p>
Extreme Temperatures (Cold, Heat)	<p>Severe cold resulting in potable water infrastructure issues.</p>	<p>The potable water distribution system and water tower are vulnerable during extreme cold events.</p> <p>Elevated water tank could freeze along with underground distribution pipes resulting in decreased ability to provide potable water to our residents.</p>	<p>Major.</p> <p>If the water system were severely impacted by extreme cold temperatures providing potable water may become difficult to impossible.</p> <p>Property damage and economic disruption would be possible.</p>
Severe Winter Weather – including blizzards	<p>Severe winter weather event resulting in power outages, transportation and accessibility issues.</p>	<p>Power outages would affect water treatment, wastewater treatment and wastewater pumping abilities.</p> <p>Hazardous roadways and poor visibility would affect the response time of Fire/EMS personnel.</p>	<p>Minor.</p> <p>All water and wastewater utility facilities have emergency backup power or bypass pumping capabilities.</p> <p>Roadways would be difficult to navigate until cleared.</p> <p>Damage to property is possible due to unsafe driving conditions resulting in vehicle collisions.</p>

Pest Infestation	NA	NA	NA
Power Outage	Power outage due to severe weather or electrical grid issue. Impact severity would be dependent upon the length of the power outage and the size of the impacted area.	Power outages would affect water treatment, wastewater treatment and wastewater pumping abilities if extended beyond approximately 72 hours. Winter power outages may affect home/business heating systems.	Minor. All water and wastewater utility facilities have emergency backup power or bypass pumping capabilities. Local economic impacts are possible.
Solar Weather – including solar flares and coronal mass ejections	Solar flare or other similar event could disrupt communication, monitoring and control systems associated with water and wastewater facilities. Cellphone disruption and interference with 911 services is possible.	Communication, control and monitoring systems at the water treatment facility and wastewater treatment facility are vulnerable. Cellular devices are also vulnerable.	Minor. Water and wastewater treatment could be impacted as well as the ability of utility staff to communicate with each other for remediation. Cellular communications could be disrupted affecting Fire/EMS services. Economic impacts are possible.
Electromagnetic Pulse	Electromagnetic Pulse or other similar event could damage water and wastewater treatment equipment as well as necessary home/business electronics.	Water and wastewater treatment equipment are all electrical and would be vulnerable.	Major. Significant damage to water and wastewater treatment equipment is possible. Economic impacts would be prevalent.
Terrorism/Sabotage/Weapon of Mass Destruction	Act of Terrorism or other event targeting the potable water system or other critical infrastructure.	Intentional contamination of the potable water system would be the most plausible event. Water and wastewater control systems could	Major. Intentional targeting of the potable water system could result in substantial impacts to public health. An attack on utility

		also be targeted or impacted.	control systems could also impact public health and/or cause economic disruption.
Cyber Incident	Cyber-attack on Village offices or utility control systems resulting in crippled utility control systems or release of sensitive employee information.	Village Hall computer interface systems, employee records and personal information could be released or impacted. Utility control systems for potable water and wastewater treatment could be impacted as well.	Minor. Village Hall computer systems and employee records could be accessed resulting in a release of sensitive information potentially causing identity theft or other issues. Economic disruptions or other village operational issues are possible. Utility control systems could become crippled resulting water or wastewater treatment difficulties or loss of treatment efficiency.
Internet & Communications Failure	Internet or communications failure at Village Hall, EMS services or utilities caused by environmental factors, excavation accidents or damage to underground infrastructure or other provider-related issues.	In the event of loss of internet or communication Village offices would be unable to operate. Fire/Police/EMS services could be impacted resulting in decreased response times. Water and wastewater treatment facilities communication issues resulting in treatment deficiencies or operational issues.	Minor. Systems at Village Hall would be offline resulting in inconveniences for our residents. Ability to contact Fire/Police/EMS and/or response times could be impacted. Utility systems could experience treatment difficulties or other system operational issues resulting in economic or quality of life impacts.
Water Failure (Water/Wastewater)	Events such as potable water system pressure loss due to an excavation accident or wastewater treatment facility failure resulting in an overflow.	Water system failure could result in a loss of system pressure requiring a boil water order. Ability to distribute water to residents could be impacted. Wastewater treatment	Major. Water system failure could cause economic impact, fire flow deficiencies and/or quality of life issues. Damage to personal property is also possible.

		facility failure could result in the inability to take in and treat wastewater from the collection system.	Wastewater treatment or wastewater collection system failure could result in economic or environmental impacts. Damage to personal property is also possible.
Infrastructure Failure (bridges, roads, etc.)	Infrastructure failure such as a failure of Whiting Road bridge.	Potentially vulnerable assets include Whiting Road Bridge, Post Road Bridge or the Whiting Dam.	<p>Major.</p> <p>Infrastructure failure at either of our bridges would result in transportation issues and could potentially Fire/EMS response times.</p> <p>Whiting Dam failure could result in transportation issues similar to bridge failures. Dam failure would also cause major downstream impacts on the Plover River potentially affecting the wastewater treatment facility.</p> <p>Economic, transportation environmental impacts are possible as well as damage to property.</p>
Hazardous Materials	Release of hazardous materials such as a train derailment.	<p>Whiting contains a Canadian national railway that transects the village. The railway also crosses the Plover River.</p> <p>Many homes, businesses and utility infrastructure are present in these areas and could be affected.</p>	<p>Major.</p> <p>Release of hazardous materials could affect public health and evacuations may be required. Damage to personal property and impact to Village utilities is also possible.</p> <p>Environmental impacts are also possible.</p>
Public Health Emergency (emerging diseases, etc.)	Infectious disease outbreak.	Village of Whiting staff responsible for operation of the municipal center, water and wastewater	<p>Minor.</p> <p>Emergence of an</p>

		<p>utilities could be impacted.</p> <p>Reduced staff could result in service outages, increased utility incident response times or loss/impact to Village services, operations and activities.</p>	<p>infectious disease could result in economic impacts and disrupt critical village infrastructure improvement projects that may be occurring. Village meetings could also be impacted disrupting the critical village operational and decision-making process.</p>
Food Related/Agricultural Threats (food contamination, etc.)	N/A	N/A	N/A

26.6.3 Jurisdiction-Specific Vulnerabilities

The base plan of this hazard mitigation plan provides complete risk assessments for each identified hazard of concern. This section provides information on a few key vulnerabilities for the jurisdiction. Available jurisdiction-specific risk maps of the hazards are provided at the end of this annex.

The Village of Whiting’s Hazard Mitigation Planning Team identified the following jurisdiction-specific vulnerabilities:

Each of these vulnerabilities is described in greater detail below.

Repetitive Loss Properties

Repetitive loss records are as follows:

- N/A

Other Noted Vulnerabilities

26.7 Status of Previous Plan Actions

Table 26-13 summarizes the actions that were recommended in the previous version of the hazard mitigation plan (Portage County Hazard Mitigation Plan) and their implementation status at the time this update was prepared.

Action Item	Completed	Removed; No longer Feasible	Carried Over to Plan Update	
			Check if Yes	Action # in Update
Develop a Stormwater Management Plan and integrate with Community Plans, Zones, and Ordinances <i>Comment: This has not been completed.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCHEPIRH1
Purchase a trailer-mounted generator to service sewage				VWHP2

lift stations and/or other remote sites to avoid potential basement backups and/or sanitary sewer overflows during a power outage Comment: Completed in 2021.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continued Compliance in NFIP Comment: Ongoing.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VWHP3
Develop a Community Wildfire Protection Plan (CWPPs) Comment: This has not been completed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VWMHP4
Purchase a trailer higher capacity water pump and associated hoses to remove localized flooding in areas by pumping to areas with storm sewer and/or bodies of water Comment: Completed in 2021.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VWMP5

26.8 Hazard Mitigation Action Plan and Evaluation of Recommended Actions

VWHH1 Mitigation Action: Village of Whiting	
Category:	Health and Safety
Goal:	Develop a Stormwater Management Plan and integrate with Community Plans, Zones, and Ordinances
Additional Goals:	
Action Item Description:	Given the high risk and probability ranking and widespread impact of stormwater impact (flooding), the County will work with the municipalities to identify funding sources to develop a Stormwater Management Plan. Once the funding is identified, the County will work with at least one representative from each jurisdiction to develop a municipality specific annex on stormwater management.
Hazard(s):	Flood (Riverine), Flood (Urban/Flash Flooding)
Lead Party Responsible:	Village of Whiting
Supporting Parties:	Floodplain Manager.
Estimated Cost:	Medium
Funding Method:	Grants - HMA, Public Assistance, other federal and state grants
Benefits:	High

Benefits New or Existing Assets:	New and Existing
Implementation Schedule:	Short Term (1-5 years)
Year Initiated:	2019
Priority:	High

VWHP1 Mitigation Action: Village of Whiting

Category:	Property and Environment
Goal:	Continued Compliance in NFIP
Action Item Summary:	Continued Compliance in NFIP
Action Item Description:	
Hazard(s):	All Hazards
Lead Party Responsible:	Local EM, Floodplain Specialist & Village President
Supporting Parties:	
Estimated Cost:	Low
Funding Method:	Grants - HMA, Public Assistance, other federal and state grants
Benefits:	High
Benefits New or Existing Assets:	New and Existing
Implementation Schedule:	Ongoing
Year Initiated:	2012
Priority:	High

VWMH2 Mitigation Action: Village of Whiting

Category:	Health and Safety
Goal:	Develop a Community Wildfire Protection Plan (CWPPs)
Action Item Summary:	Property and Environment
Action Item Description:	Once funding is identified, the Village and DNR will organize plan development with the jurisdictions given a "high" to "very high" risk ranking for wildfires
Hazard(s):	Wildfire
Lead Party Responsible:	Municipal EM and Local Fire Department (support - Wisconsin Department of Natural Resources)
Supporting Parties:	Local Fire Department, WI DNR
Estimated Cost:	Medium

Funding Method:	Seek funding advice from the Wisconsin Department of Natural Resources
Benefits:	Medium
Benefits New or Existing Assets:	New and Existing
Implementation Schedule:	Short Term (1-5 Years)
Year Initiated:	2019
Priority:	Medium

VWMH2 Mitigation Action: Village of Whiting

Goal:	Health and Safety
Additional Goals:	Property and Environment
Action Item Summary:	Purchase and Installation of Emergency Back-up Generator at Village Hall.
Action Item Description:	Purchase, install and integrate emergency back-up generator at Village Hall to create back-up power during electrical service outages. Fire and EMS equipment is housed at this location and electrical service outages increase response time of these services in the event of an emergency.
Hazard(s):	All Hazards.
Lead Party Responsible:	Village of Whiting
Supporting Parties:	Plover Fire Department
Estimated Cost:	Medium
Funding Method:	Local Funds, External Grants
Benefits:	Medium
Benefits New or Existing Assets:	New and Existing
Implementation Schedule:	Long-term
Year Initiated:	2025

Priority:

Medium

26.9 Public Outreach

26.9.1 Public Outreach Events/Activities

Event	Date	Summary	Attendees
Monthly Village Board Meeting	2 nd Tuesday of every month.	Opportunity to provide public comment on safety, vulnerabilities, concerns or other issues.	Varies.

26.9.2 Continued Public Participation

Village Board meetings are held on the second Tuesday of every month. Every Village Board agenda has an agenda item allowing for public comments pertaining to anything that is not already included on the meeting agenda. At that time, Village residents are encouraged to voice their concerns about a variety of issues including vulnerabilities, hazards or other concerns that could affect public health, safety or personal property.

26.10 Plan Monitoring, Implementation, and Future Updates

As a participant in the 2025 update to the Portage County Mitigation Plan, the Village of Whiting agrees to convene their internal planning team at least annually to review their progress on hazard mitigation strategies and to update the plan based on new data or recent disasters.

When Portage County sends federal notices of funding opportunity for the Hazard Mitigation Assistance Grant Program, the jurisdiction will evaluate the viability of projects eligible for such grants and submit grant applications if appropriate to align with the priorities of the Hazard Mitigation Plan. This will be a key strategy to implement the plan.

26.11 Information Sources Used for This Annex

The following technical reports, plans, and regulatory mechanisms were reviewed for this annex.

Village of Whiting Water System Emergency Response Plan and Wastewater Utility Capacity, Management, Operation and Maintenance (CMOM) program.

The following outside resources and references were reviewed:

Previous Portage County Hazard Mitigation Plan and the action items included within.

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MITIGATION ACTION GUIDE

Please note that mitigation actions should focus on vulnerabilities identified in the risk summary. These actions should address weaknesses in order to reduce future impacts. These actions should be tailored to specific hazards. These actions should also address projects that can benefit potentially underserved or socially vulnerable populations.

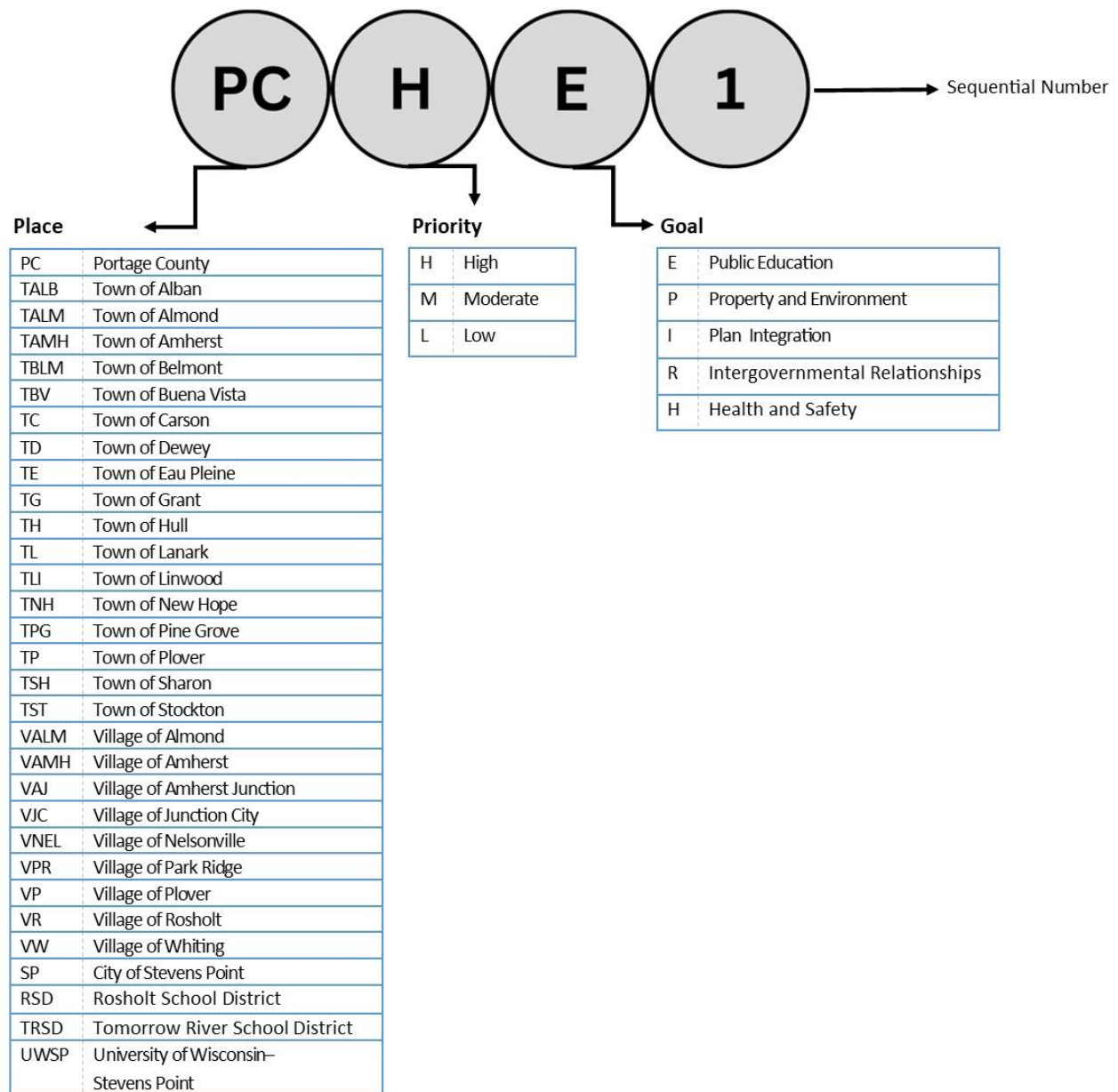
[Activity Code] Mitigation Action: [Jurisdiction]	
Category:	<p>Choose one of the following goal categories:</p> <ul style="list-style-type: none"> • Public Education (E): To continue and to enhance public education and awareness for disaster preparedness and expand public awareness of both natural and technological hazards. • Property and Environment (P): To lessen the impacts natural and technological hazards have on property and the environment. • Plan Integration (I): To encourage hazard mitigation planning and incorporation of mitigation strategies into local comprehensive plans and other planning related documents and policies. • Intergovernmental Relationships (R): To continue and to encourage additional intergovernmental relationships regarding hazard mitigation and preparedness activities. • Health and Safety (H): To protect the health and safety of Portage County residents and visitors by lessening the negative impacts of natural and technological hazards.
Additional Goals:	<p>Please describe any additional goals your project aims to achieve that might fall under a different category or are not listed above (e.g., cultural preservation, economic recovery, or social equity, etc. or a health and safety action that would also involve public education).</p>
Action Item Summary:	<p>One sentence describing the project.</p>
Action Item Description:	<p>Provide a detailed description of the project, including:</p> <ul style="list-style-type: none"> • Project goals and timeline for completion. • How the project reduces hazard risk (e.g., flood mitigation project reducing flood risk). • Details on any previous damage or repairs in the project area (year, estimated cost, and brief description). • Specific location (county, city, subdivision, street, or building) and the number of people benefiting from the project. • If applicable, how the project protects a critical facility. • Outline of all tasks necessary to implement the project, including their duration and who will be responsible for completing them (e.g., engineering firm, construction crew).

Hazard(s):	Identify the specific hazard(s) the project mitigates (e.g., flood, earthquake, tornado)
Lead Agency/Department Responsible:	Identify the local agency, department, or organization that is best suited to accomplish the action.
Supporting Parties:	local agency, department, or organization that is best suited to support the action
Estimated Cost:	<p>Select the cost category that best represents the project's financial needs:</p> <ul style="list-style-type: none"> • Low (under \$10,000): Minimal financial investment. • Medium (\$10,000-\$100,000): Moderate funding level, may require grants or partnerships. • High (over \$100,000): Significant financial investment, likely requiring substantial funding strategies.
Funding Method:	<p>Identify potential funding sources:</p> <ul style="list-style-type: none"> • Local Funds: <ul style="list-style-type: none"> ○ <i>General Revenue:</i> Local government funds allocated for various projects. ○ <i>Contingency Funds:</i> Funds set aside for unexpected needs, potentially usable for mitigation projects. ○ <i>Bonds:</i> Issuing debt to raise capital for larger mitigation projects. • External Grants: <ul style="list-style-type: none"> ○ <i>Building Resilient Infrastructure and Communities (BRIC):</i> FEMA grant program for infrastructure improvements that reduce hazard risk. ○ <i>Flood Mitigation Assistance (FMA):</i> FEMA grant program specifically for flood mitigation projects. ○ <i>Hazard Mitigation Grant Program (HMGP):</i> FEMA grant program for various hazard mitigation activities. • Other Potential Sources: <ul style="list-style-type: none"> ○ <i>LPDM Congressional Earmark (if applicable):</i> Federal funding designated for a specific project by a congressional representative (use with caution, as earmarks are uncommon). ○ <i>Wisconsin Department of Natural Resources (WDNR) Grants:</i> The WDNR offers various grant programs that support mitigation projects related to natural hazards, such as flooding and erosion control. ○ <i>Community Development Block Grant (CDBG) Mitigation:</i> This federal program from the Department of Housing and Urban Development (HUD) can be used for eligible mitigation activities in low- to moderate-income communities. ○ <i>National Institute of Standards and Technology</i>

	<p><i>(NIST) Grants:</i> NIST offers grants for building codes and standards development, which can indirectly support mitigation efforts through improved building resilience.</p> <ul style="list-style-type: none"> ○ <i>Foundations:</i> Certain foundations might offer grants for hazard mitigation projects that align with their mission (e.g., environmental protection, community safety). ○ <i>Corporations:</i> Some corporations have corporate social responsibility programs that support disaster preparedness and mitigation efforts in communities where they operate.
Benefits:	<p>Choose the category that best reflects the project's impact on reducing risk:</p> <ul style="list-style-type: none"> • High: Significant and immediate impact on reducing risk to life and property. • Medium: Positive impact on reducing risk, either in the long term or by providing immediate benefits to property protection. • Low: Long-term benefits may be difficult to quantify but contribute to overall risk reduction.
Benefits New or Existing Assets:	<p>Choose the category that best reflects the projects benefits:</p> <ul style="list-style-type: none"> • New: The project will benefit new assets such as people, structures, systems, natural historical or cultural resources, or activities that hac value to the community. • Existing: The project will benefit existing assets such as people, structures, systems, natural historical or cultural resources, or activities that hac value to the community. • New & Existing: The project will benefit both new and existing assets such as people, structures, systems, natural historical or cultural resources, or activities that hac value to the community
Implementation Schedule:	<p>Choose the timeframe for project completion:</p> <ul style="list-style-type: none"> • Short-term (1-5 years): Relatively quick completion addressing immediate needs. • Long-term (over 5 years): Larger projects, complex planning, or substantial funding required. • Ongoing: Continuous efforts like maintenance, preparedness programs, or policy implementation.
Priority:	<p>Consider benefits, costs, funding status, and availability when assigning priority:</p> <ul style="list-style-type: none"> • High Priority: Meets multiple objectives, benefits outweigh costs, has secured funding, and can be completed within 1-5 years. • Medium Priority: Meets goals, benefits outweigh costs,

	<p>but funding not secured (eligible for grants).</p> <ul style="list-style-type: none"> • Low Priority: Mitigates hazard risk, but benefits don't outweigh costs or are difficult to quantify. Funding is not secured and has a long-term completion timeline. May be eligible for grants.
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Activity Code



MITIGATION ACTION EXAMPLES

PCLR2 Mitigation Action: County	
Goal:	Intergovernmental Relationships
Supporting Goals:	Plan Integration
Action Item Summary:	Conduct mandatory baseline training for all EOC staff, with re-training required every [Number] years to ensure continued knowledge and skill development.
Action Item Description:	To ensure a well-prepared and efficient Emergency Operations Center (EOC) staff, this action plan establishes a program for mandatory baseline training. All EOC personnel will be required to participate in FEMA's Incident Command System (ICS) courses 100 and 200, along with the National Incident Management System (NIMS) courses 700 and 800. These courses provide a standardized approach to emergency response, fostering effective communication, coordination, and resource management during disasters. A recurring training schedule will be established, requiring all EOC staff to complete these courses again every [Number] years to maintain proficiency. This comprehensive approach ensures EOC staff possess the necessary knowledge and skills to handle various emergencies effectively over time. In addition to this baseline, further position-specific training may still be required depending on individual roles and responsibilities within the EOC.
Hazard(s):	All Hazards
Lead Party Responsible:	Portage County Emergency Management
Supporting Parties:	County Staff and Staff from Participating Agencies with EOC Duties
Estimated Cost:	Low (under \$10,000)
Funding Method:	Grants – EMPG
Benefits	Low
Benefits New or Existing Assets:	New and Existing
Implementation Schedule:	Ongoing
Year Initiated:	2007, revised 2025
Priority:	Low

[Action Code] Mitigation Action: [Municipality]	
Goal:	Health and Safety
Supporting Goals:	Public Education, Property and Environment, Plan Integration, Intergovernmental Relationships
Action Item Summary:	Develop Municipal Stormwater Management Plans (SWMPs) integrated with Community Plans, Zones, and Ordinances, with support from Portage County.
Action Item Description:	To demonstrably address potential flooding from stormwater runoff, [municipality] will complete a comprehensive Stormwater Management Plan (SWMP). This plan will involve a professional assessment of critical areas and existing infrastructure, followed by the development of a strategy that incorporates Best Management Practices (BMPs) like rain gardens and permeable pavement. The number and location of each BMP type will be clearly defined. A phased implementation timeline will prioritize high-risk areas and ensure long-term success through a dedicated maintenance plan. Public engagement will be central, with multiple meetings to gather feedback and ensure alignment with existing community plans. Upon finalization and approval, the SWMP will be implemented through secured funding and a designated team. Measurable progress will be tracked through performance monitoring of BMP effectiveness and reported publicly to demonstrate the plan's impact on mitigating future flood risks.
Hazard(s):	Flood (Riverine), Flood (Urban/Flash Flooding), Severe Thunderstorms
Lead Party Responsible:	Municipal Emergency Manager
Supporting Parties:	Portage County Emergency Management, Portage County Planning and Zoning, Floodplain Manager
Estimated Cost:	Medium (\$10,000 - \$100,000)
Funding Method:	Grants – HMA; PA; Other Local, State, and Federal Grants
Benefits	High
Benefits New or Existing Assets:	New and Existing
Implementation Schedule:	Short Term (1-5 years)
Year Initiated:	2019
Priority:	High