

Table 32. Wabasha County Master Mitigation Action Chart (2017-2021)

#	Hazard	Mitigation Strategy	Mitigation Action	Status	Priority Ranking	Time-frame	Jurisdictions	Responsibility	County Comments on Planning Mechanisms for Implementation	Possible Funding
1	All-Hazards	Education & Awareness Programs	Work to ensure that all Wabasha County residents are aware of and sign-up for the CodeRed emergency notification system.	Ongoing	High	2017-2021	Wabasha County Bellechester, Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls	WC Emergency Management and all City Emergency Managers	Wabasha County uses CodeRED as its emergency notification system to alert residents of severe weather and other hazards via phone call, text and email. City Emergency Managers promote local residents to sign up for CodeRED on a regular basis.	County Budget
2	All-Hazards	Mitigation Preparedness & Response Support	Increase coordination and communication with HAM radio operators to support emergency communications capabilities within the County.	Ongoing	High	2017-2021	Wabasha County	WC Emergency Management	Wabasha County Emergency Management includes HAM radio operators as part of its emergency network of communications capabilities.	County Budget
3	All-Hazards	Mitigation Preparedness & Response Support	Ensure plans are in place for temporary mass care sheltering, evacuation, and relay of information to the public in the event of a major storm, power outage, or other event that requires temporary relocation to protect life safety.	Ongoing	High	2017-2021	Wabasha County	WC Emergency Management and all City Emergency Managers, and WC Social Services	Wabasha County updates its Emergency Operations Plan on an annual basis, which includes sheltering plans for residents & pets, and identification and mapping off evacuation routes. Critical information would be provided to the public through CodeRED and other channels such as Facebook, TV, and radio.	County/City Budgets

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4	All-Hazards	Mitigation Preparedness & Response Support	Ensure facilities are designated throughout the County to serve as mass-care shelters through agreements with the American Red Cross. Ensure facilities are accessible for special populations.	Ongoing	High	2017-2021	Wabasha County	WC Emergency Management and WC Social Services in collaboration with city Emergency Managers	The following facilities are designated mass care shelters and have agreements with Red Cross: Elgin – PEM 4-6 th and Jr High schools; Lake City – Assembly of God Church, Lincoln High School, and Lake City Marina; Plainview – PEM K-3 rd and High schools; Wabasha – W-K School and St. Felix School.	County/City budgets
5	All-Hazards	Mitigation Preparedness & Response Support	Ensure there is access to real-time weather data such as temperature, wind speed, direction and storm conditions for emergency personnel.	Ongoing	High	2017-2021	Wabasha County	WC Emergency Management in collaboration with City Emergency Managers	This is a standing part of all-hazards response planning by the County and local fire departments. It is especially important for hazardous materials response.	County/City budgets
6	Severe Winter Storms / Summer Storms	Education & Awareness Programs	Promote the use of NOAA weather radios as a key communications resource for residents, businesses, and facilities that house vulnerable populations (i.e., nursing homes, group homes, senior centers, and day care facilities).	Ongoing	High	2017-2021	Wabasha County Bellechester, Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls	WC Emergency Management and local city emergency managers	This is an Ongoing effort of emergency management programs at the county and local city level.	County/City budgets

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7	Severe Winter Storms / Summer Storms	Education & Awareness Programs	Purchase additional NOAA weather radios and make them available for distribution to facilities that house vulnerable populations.	Ongoing	Low	2017-2021	Wabasha County	Wabasha County Emergency Management, in collaboration with city EM's	Wabasha County Emergency Management shall work to obtain NOAA weather radios that can be distributed during severe weather awareness weeks in spring and fall.	County/City Budgets, other grants
8	Severe Winter Storms / Summer Storms	Mitigation Preparedness & Response Support	Identify critical facilities or infrastructure that do not have backup power in the event of a major power outage resulting from severe winter or summer storms. <i>(Critical facilities may include: police/fire departments, EOC, health care facilities, water & sewer treatment facilities, and other facilities deemed as critical, i.e. public schools and sheltering facilities).</i>	New	High	2017-2021	Wabasha County Bellechester, Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls	Wabasha County Emergency Management, City Admin & Public Works	Wabasha County and numerous jurisdictions have identified a need for backup power for government buildings or other critical facilities such as mass care shelters.	County/City budgets
9	Severe Winter Storms / Summer Storms	Mitigation Preparedness & Response Support	Purchase and install generators or related equipment (e.g., generator hook-ups) for identified critical facilities that require backup power.	New	High	2017-2021	Wabasha County Bellechester, Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls	Wabasha County Emergency Management, City Admin & Public Works	Wabasha County, local city governments, and schools will evaluate feasibility to purchase and install generators for key facilities.	County/City Budgets, Possible FEMA HMA funding for Generators

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10	Severe Winter Storms / Summer Storms	Structure and Infrastructure Projects	Work with public utilities to evaluate/implement mitigation projects such as hardening or burying of powerlines that are vulnerable to failure from severe ice storms or wind storms.	New	High	2017-2021	Wabasha County, Bellechester, Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls	Wabasha County Highway Department, local city Public Works in collaboration with People's Energy Cooperative, Xcel Energy, and Lake City Municipal Utilities	Wabasha County Highway Department and local city public works/roads departments regularly work with the power utilities to address power line areas of concern.	Energy Coop Funding, Possible FEMA HMA funding for Infrastructure Retrofit
11	Severe Summer Storms	Mitigation Preparedness & Response Support	Identify cities and rural areas within the County where there are gaps in warning siren coverage, and work to obtain funding to install new sirens.	New	High		Wabasha County, City of Millville, City of Minneiska, City of Wabasha	Wabasha County Emergency Management in collaboration with local city Emergency Managers.	Wabasha County Emergency Management uses warning sirens as an emergency communication tool for the public during extreme wind events (58 mph and higher) and is working address gaps in warning siren coverage. Currently the cities of Millville and Minneiska do not have outdoor warning sirens. A warning siren is also needed on Sand Prairie near Wabasha. In addition, most rural areas are not covered by outdoor warning sirens due to their distance from cities that do have them.	County/City Budgets, Possible FEMA HMA funding for 5% Initiative

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12	Severe Summer Storms	Local Planning & Regulations	<p>Work to ensure that manufactured home parks (MHPs) meet Minnesota Department of Health Evacuation Plan & Storm Shelter Requirements.</p> <p><i>(MDH requires that MHP shelter or evacuation plans are approved by the municipality where the MHP is located.)</i></p>	Ongoing	High	2017-2021	Wabasha County, City of Lake City, City of Plainview, City of Mazeppa, City of Wabasha	Wabasha County Emergency Management in collaboration with local cities with MHPs.	Wabasha County Emergency Management and local cities are working to help operators of MHPs to address state statutes. Of the 11 manufactured home parks in Wabasha County, there are 8 that have no shelters. They are Mobile Village in Lake City; Bluffside MHP, rural Lake City; Edgewood Acres and Hillcrest Terrace in Plainview; Valleyview in Mazeppa; Hiawatha and West Tah Town in Wabasha; and Sand Prairie MHP in rural Wabasha.	County/City budgets
13	Severe Summer Storms	Structure and Infrastructure Projects	Identify areas where vulnerable populations are susceptible to tornadoes or extreme wind events (i.e. schools, campgrounds, or mobile home parks) and evaluate for construction or retrofit of safe rooms or storm shelters.	New	High	2017-2021	Wabasha County, Bellechester, Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls	Wabasha County Emergency Management	This is a standing effort of the Wabasha County Emergency Management program.	County/City/School budgets

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14	Severe Summer Storms	Structure and Infrastructure Projects	Implement construction or retrofit projects for safe rooms or storm shelters in identified vulnerable locations.	New	High	2017-2021	Wabasha County Bellechester, Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls	Wabasha County Emergency Management in coordination with participating city or school	Any community safe room projects that the County is involved in will be part of the Wabasha County Emergency Management program.	Possible FEMA HMA funding for Safe Room Construction
15	Severe Summer Storms	Education & Awareness Programs	Post information in local campgrounds on safety precautions and protective measures for campers to take in the event of severe summer storms.	Ongoing	High	2017-2021	Wabasha County City of Hammond City of Lake City City of Wabasha	WC Emergency Management, City Emergency Managers and Campground operators	City Emergency Managers work with their respective campground operators to post storm information and provide critical information on where to take shelter.	City budgets
16	Extreme Temps (Heat / Cold)	Education & Awareness Programs	Provide outreach & education to vulnerable populations in the community (i.e., senior citizens, young adults) on personal safety measures to take during periods of extreme heat / cold.	Ongoing	High	2017-2021	Wabasha County School Districts	Wabasha County Emergency Management / Public Health in collaboration with local cities and schools.	This is done as part of the NWS annual spring and winter severe weather awareness weeks. It is also done during actual periods of extreme temperatures. Information on staying safe during periods of extreme heat or cold is relayed to the public through channels such as Facebook, radio, and local newspapers.	County/City/ School budgets

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17	Extreme Temps (Heat & Cold)	Local Planning & Regulations	Evaluate and address community capabilities to provide temporary warming or cooling centers to the public during periods of extreme hot or cold temperatures.	Ongoing	High	2017-2021	Wabasha County Bellechester, Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls	Wabasha County Emergency Management in collaboration with city Emergency Managers	Wabasha County Emergency Management and local city emergency managers will work to meet needs at the local level, such as use of local churches or community centers with heating/cooling capacity to accommodate those who need assistance (i.e., elderly).	County/City budgets
18	Severe Winter Storms / Summer Storms	Education & Awareness Programs	Work with MNDOT and local public safety to limit travel by the public during hazardous driving conditions that result from severe winter/summer storms.	Ongoing	High	2017-2021	Wabasha County	Wabasha County Emergency Management, local city EM's and law enforcement	Wabasha County Emergency Management and local city Emergency Managers / law enforcement work to disseminate information to the public on hazardous driving conditions to help protect life-safety. (i.e. Use of social media (Facebook, Twitter) and local radio/TV).	County/City Budgets

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19	Severe Winter Storms	Natural Systems Protection	Evaluate and implement the planting of windbreaks to serve as a “living snow fence” to help prevent blowing and drifting snow onto key transportation routes.	Ongoing	Low	2017-2021	Wabasha County	Wabasha County Highway Department, SWCD	Wabasha County Soil & Water Conservation District (SWCD) is housed with a federal partner, Natural Resource Conservation Service (NRCS) and can provide assistance to receive federal funding for windbreak installation. The SWCD also acts as an intermediary connection between MNDOT and landowners in MNDOT targeted areas to plant windbreaks, leave standing cornrows or hay bales. If County funding was available for a similar cost share program on County roads the SWCD could offer similar assistance.	NRCS (Federal funds), MNDOT (State funds)
20	Flooding	Education & Awareness Programs	Promote “Turn Around, Don’t Drown” campaign materials in advance of and during periods of flooding.	New	High	2017-2021	Wabasha County	Wabasha County Emergency Management in collaboration with city Emergency Managers and public safety	Wabasha County Emergency Management is always working to improve and expand its public awareness and education programs. A campaign for driving safety during flood events will be included as part of the Severe Weather Awareness Week in the spring.	Possible FEMA HMA 5% Initiative Program

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21	Flooding	Structure and Infrastructure Projects	Identify and implement local flood-reduction measures to reduce flood impacts to transportation infrastructure, (i.e., armoring with riprap along streams adjacent to roads & bridges and at culvert outlets, and upsizing of culverts where repeated over-topping occurs or debris potential).	New	High	2017-2021	Wabasha County Bellechester, Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls	Wabasha County Highway Department	The Highway Department is planning improvements at culvert locations in need of riprap, grouting riprap, and for some locations increases in the size of culverts or performance of ditch work to help during large events. Removal of sediment and clearing around existing culverts is also planned. Planning is based on risk (condition, culvert size). Additional (and perhaps upsized) riprap at bridges over larger streams is being considered.	Possible FEMA HMA funding for Local Flood Reduction Projects
22	Flooding	Structure and Infrastructure Projects	Identify and implement necessary improvements to the Zumbro River existing levee to reduce risk for 50-year designed levee.	New	High	2017-2021	Wabasha County	Wabasha County Highway Department	Currently, the levee is inspected by the USACE with recommendations for maintenance. At this time, maintenance actions are planned in accordance with USACE recommendations with improvements being cost or politically prohibitive.	County budget, Possible FEMA HMA funding for Local Flood Reduction Projects

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23	Flooding	Structure and Infrastructure Projects	Reduce downstream flooding by creating upland stormwater storage in multiple watersheds (mostly Zumbro River).	New	High	2017-2021	Wabasha County	Wabasha County Highway Department, WC SWCD	The County is supportive of using upland storage that would reduce peak flows and potential for damage to infrastructure. Wabasha SWCD currently and has historically prioritized upland storage to reduce peak flow in Wabasha County. Current planning includes goals include installing water retention structures on private lands that would protect public structure and infrastructure projects.	Possible FEMA HMA funding for Climate Resilient Mitigation Activities, State and Federal funds
24	Flooding	Local Planning & Regulations	Continue participation in the National Flood Insurance Program (NFIP). (Jurisdictions with FEMA-mapped high risk areas.)	New	High	2017-2021	Wabasha County City of Mazeppa, City of Wabasha, City of Minneiska City of Zumbro Falls	Wabasha County Planning/Land Use and Local City Admin	Wabasha County and cities of Mazeppa, Wabasha, Zumbro Falls, and Minneiska all participate in the NFIP and have FEMA mapped high risk areas.	County/City Budgets
25	Flooding	Local Planning & Regulations	Ensure all cities within Wabasha County have Shoreland and/or Floodplain Ordinances that meet state and federal regulations.	New	High	2017-2021	Wabasha County Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Wabasha, Zumbro Falls	County / local city Planning and Zoning departments	This is a required piece of participation in the NFIP program as well as standard local-level city ordinance development.	County/City budget

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26	Flooding	Local Planning & Regulations	Encourage city and county participation in FEMA Community Rating System program.	Ongoing	Moderate	2017-2021	Wabasha County	Wabasha County Planning & Zoning	Once new floodplain maps are adopted, Wabasha County will review participation in CRS.	County budget
27	Flooding	Local Planning & Regulations	Complete a countywide flood mitigation plan that includes the identification of flood prone and repetitive loss structures and identification of flood mitigation projects.	Ongoing	High	2017-2021	Wabasha County	WC Planning & Zoning, Highway Department, and SWCD in coordination with City Emergency Managers	Floodplain rules require floodproofing of substantially damaged structures. Wabasha SWCD works with private landowners to install water retention and/or other water treatment structures in targeted and prioritized areas. Examples would include contour strip cropping, planting trees and permanent vegetation, grassed waterways and grade stabilization structures.	County budget
28	Flooding	Local Planning & Regulations	Adopt new DFIRM floodplain maps (Digital Floodplain Insurance Maps) once available and inform cities and the public of new flood plain boundaries.	Ongoing	High	2017-2021	Wabasha County	Wabasha County Planning & Zoning	Wabasha County is awaiting new DFIRM maps to be released from FEMA. The MN DNR is currently working on modeling in Wabasha County.	County budget

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29	Flooding	Education & Awareness Programs	Provide information to property owners on ways to reduce local flood damage to properties, such as grading and landscaping, and green infrastructure.	New	High	2017-2021	Wabasha County	Wabasha County SWCD	The Wabasha SWCD does public outreach in the community for various programs. Currently a GreenCorps staff person is working on urban forestry initiatives. Technicians can provide assistance on grading. Developing rain garden and green infrastructure cost share and educational programs in the future is planned.	County Budgets, Possible FEMA HMA funding for 5% Initiative Projects , State and federal cost share State Funds
30	Flooding	Natural Systems Protection	Evaluate the locations and numbers of stream monitoring stations throughout the County, and coordinate and/or purchase additional monitoring equipment if necessary.	Ongoing	Moderate	2017-2021	Wabasha County	Wabasha County SWCD	Wabasha County SWCD works in collaboration with the MN DNR to regularly collect data on stream flow. Data is used to prioritize sub-watershed project areas for protection.	County budget, MN DNR
31	Flooding	Local Planning & Regulations	Ensure that storm water management plans and improvement projects are identified and prioritized to address flood management for future high-impact rain events throughout the County. (i.e., conduct hydro-modeling, GIS map of where culverts must be re-sized).	Ongoing	New	2017-2021	Wabasha County Bellechester, Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls	WC Planning & Zoning, WC Highway Dept., WC SWCD and local city public works depts.	Wabasha County will work to ensure we identify needed storm water management plans and improvement projects for future high-impact rain events. Wabasha SWCD will work with County agencies to provide upland water retention structures on private land to protect down-slope infrastructure whenever possible.	County / SWCD / Watershed District Budgets and outside grant funding

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32	Flooding	Structure and Infrastructure Projects	Implement storm water management structure and infrastructure projects to assist with flood management throughout the County.	Ongoing	New	2017-2021	Wabasha County Bellechester, Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls	WC Highway Dept., Public Works, and local city public works depts., Wabasha SWCD	Wabasha County will work toward implementing a storm water management structure. Wabasha SWCD will provide technical and financial assistance to private landowners to implement water retention and control when possible to mitigate flooding hazards.	County/City Budgets Possible FEMA HMA funding for Localized Flood Reduction Projects, State and Federal funds
33	Flooding	Local Planning & Regulations	Ensure that wellhead protection plans are in place to address flooding that may lead to contaminated drinking water.	New	High	2017-2021	Wabasha County Bellechester, Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls	WC Planning & Zoning, WC SWCD and local city public works depts.	Cities work with the Minnesota Department of Health on the development or update of wellhead protection plans to ensure they meet State requirements. MDH tailors source water protection requirements and recommendations for public water suppliers (PWS). The Wabasha County SWCD has worked with municipalities to develop strategies to protect drinking water supply management areas and implement practices with landowners in those areas that will protect and improve water quality.	County/City Budgets, Federal and State funding sources

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34	Drought	Natural Systems Protection	Establish/identify monitoring in each of the county's major aquifers at appropriate locations and establish an ongoing program to monitor aquifer levels and water quality. Coordinate data with SWCD test wells.	Ongoing	High	2017-2021	Wabasha County	Wabasha County SWCD	Wabasha County SWCD works in collaboration with the MN DNR to regularly collect data on water table levels in key locations. SWCD regularly tests wells throughout the county for water quality. SWCD implements soil health initiatives and perennial vegetation establishment to improve water holding capacity of soil.	County budget, State and Federal Funding for Cost Share
35	Drought	Education & Awareness Programs	Educate the public on water conservation measures and fire safety awareness during periods of drought.	Ongoing	High	2017-2021	Wabasha County Bellechester, Elgin, Hammond, Kellogg, Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls	Wabasha County Emergency Management in collaboration with SWCD, local cities, and MN DNR	Promoting water conservation during periods of drought is a standing effort of the County, local governments, and MN DNR. Wabasha SWCD provides education on water conservation through annual events and promotes practices that benefit water quality.	County/City Budgets, Federal and State funding sources
36	Drought	Local Planning & Regulations	Evaluate and implement the objectives and strategies outlined in the Wabasha County Comprehensive Water Management Plan.	Ongoing	Moderate	2017-2021	Wabasha County	Wabasha County Planning & Zoning, SWCD	This is a standing effort of Wabasha County Planning and Zoning and SWCD.	County budgets State NRBG funding

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37	Wildfire	Education & Awareness Programs	Coordinate with MN DNR on providing wildfire information and seasonal risk to the public.	Ongoing	High	2017-2021	Wabasha County	WCEM and MN DNR forestry dept	This is a standing communication effort between Wabasha County Emergency Management and the MN DNR forestry dept. SWCD collaborates with DNR on Forest Health and provides education at jointly held annual Forestry Day.	County budget State Funds
38	Wildfire	Education & Awareness Programs	Increase Firewise education and training for property owners that have properties at-risk for wildfire (i.e., Provide Level-I Assessments for Defensible Space around structures.)	Ongoing	High	2017-2021	Wabasha County	Wabasha County Emergency Management in cooperation with local fire departments and MN DNR Forestry	MN DNR works with local fire departments to provide training and assistance for homeowner Firewise assessments.	County Budget
39	Wildfire	Mitigation Preparedness & Response Support	Assess the need for dry hydrants in areas not served by a city water source and construct dry hydrants as needed.	Ongoing	Moderate	2017-2021	Wabasha County	Wabasha County Emergency Management in cooperation with local fire departments	MN DNR will work with local fire departments to determine needs. As needed, the MN DNR will submit a proposal for appropriate dry hydrant or similar system to optimize fire response. The DNR will also provide training for dry hydrant use for any that are installed.	County/City Budgets, Possible FEMA HMA funding for 5% Initiative Projects

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40	Wildfire	Natural Systems Protection	Work with the Minnesota DNR to update countywide wildfire assessment of areas with significant wildfire potential, particularly high-risk areas with proximity to urban areas.	New	High	2017-2021	Wabasha County	Wabasha County in collaboration with MN DNR and local fire departments.	The MN DNR will work in cooperation with local fire departments to identify potential high-risk wildfire hazard areas and wildland/urban interface areas in the County.	County/MN DNR budgets
41	Wildfire	Natural Resource Protection	Reduce the risk of wildfire to existing buildings and infrastructure in high risk wildfire areas such as through fuel reduction measures and creating defensible space. This may include working with public or private property owners (such as residents, land owners, parks or campgrounds).	New	High	2017-2021	Wabasha County	Wabasha County Emergency Management in cooperation with MN DNR and local fire departments	Wabasha County and local fire departments will work with the MN DNR forestry department to identify potential areas in the county that would benefit from fuels-reduction projects.	Possible FEMA HMA funding for Defensible Space or Fuels Reduction
42	Karst & Land Subsidence	Local Planning & Regulations	Create overlay districts, land use regulations, or Karst-related ordinances to protect the area's groundwater.	Ongoing	Moderate	2017-2021	Wabasha County	Wabasha County SWCD, Planning & Zoning	Wabasha SWCD provides technical and financial assistance to private landowners to implement practices that will address compliance to local land use regulation whenever possible.	County budget, State and Federal funding sources

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43	Karst & Land Subsidence	Local Planning & Regulations	Continue to update mapping of sinkholes, springsheds and other Karst features.	Ongoing	Moderate	2017-2021	Wabasha County	Wabasha County SWCD, Planning & Zoning	Wabasha SWCD works with NRCS on practices to address sinkholes and with other agencies to monitor and assess related affects. NRCS maintains map of sinkholes repaired. U of M also maintains map of karst features.	County budget, Federal and state funds
44	Karst & Land Subsidence	Education & Awareness Programs	Provide awareness and education to the public on the hazard of karst and sinkholes.	Ongoing	Moderate	2017-2021	Wabasha County	Wabasha County SWCD	Wabasha County is in the Driftless Area. The SWCD and NRCS educate the public on karst and sinkholes. Driftless Area education is ongoing with various partners.	County budget State funds, Private Interest Groups
45	Landslides & Soil Erosion	Natural Systems Protection	Identify and implement projects to reduce risk to structures or infrastructure from erosion and landslides (i.e., installing buffer strips, preserving mature vegetation, decreasing slope angles, stabilizing with riprap or other means of slope anchoring.)	New	High	2017-2021	Wabasha County	Wabasha County SWCD, Planning & Zoning	Wabasha County prohibits the placement of structures in all bluff areas and requires permits for grading activities in bluffs. Wabasha SWCD provides technical, financial and educational assistance to private landowners to restore bluff areas, establish perennial vegetation and buffer zones, and other erosion control measures that improve water quality.	Possible FEMA HMA funding for Soil Stabilization, State and Federal funds
46	Dam Failure	Mitigation Preparedness & Response Support	Update data for residents living downstream of dam to support emergency notification in the event of dam failure.	New	Moderate	2017-2021	Wabasha County	Wabasha County Emergency Management	Wabasha County Emergency Management will incorporate this effort into additional data collection efforts for areas of concern in the County.	County budget