

Objective 3: Maximize the benefits of the scientific watershed analysis by encouraging location and practice prioritization that is outcome oriented.

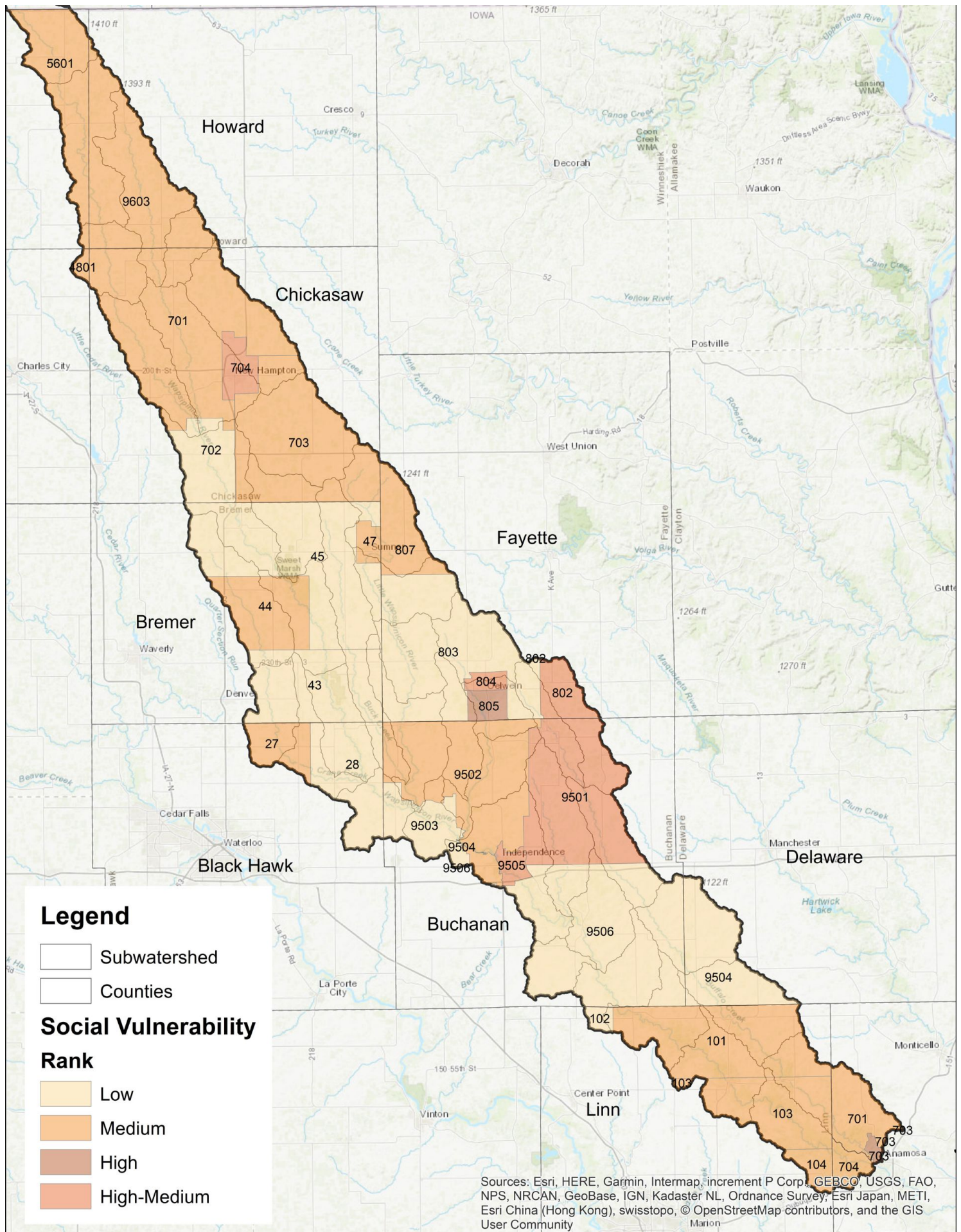
*This story was made with [Esri's Story Map Journal](#).
Read the interactive version on the web at <https://arcg.is/1nn0rj>.*



- Strategy 1: Support projects that target priority landscape positions
 - Support upland projects that protect downstream at-risk community members from economic, emotional, health and social impacts of flooding
 - Support flood mitigation projects that implement best management practices in the upland areas of the watershed
 - Support projects and practices that protect transportation infrastructure and other private and public infrastructure

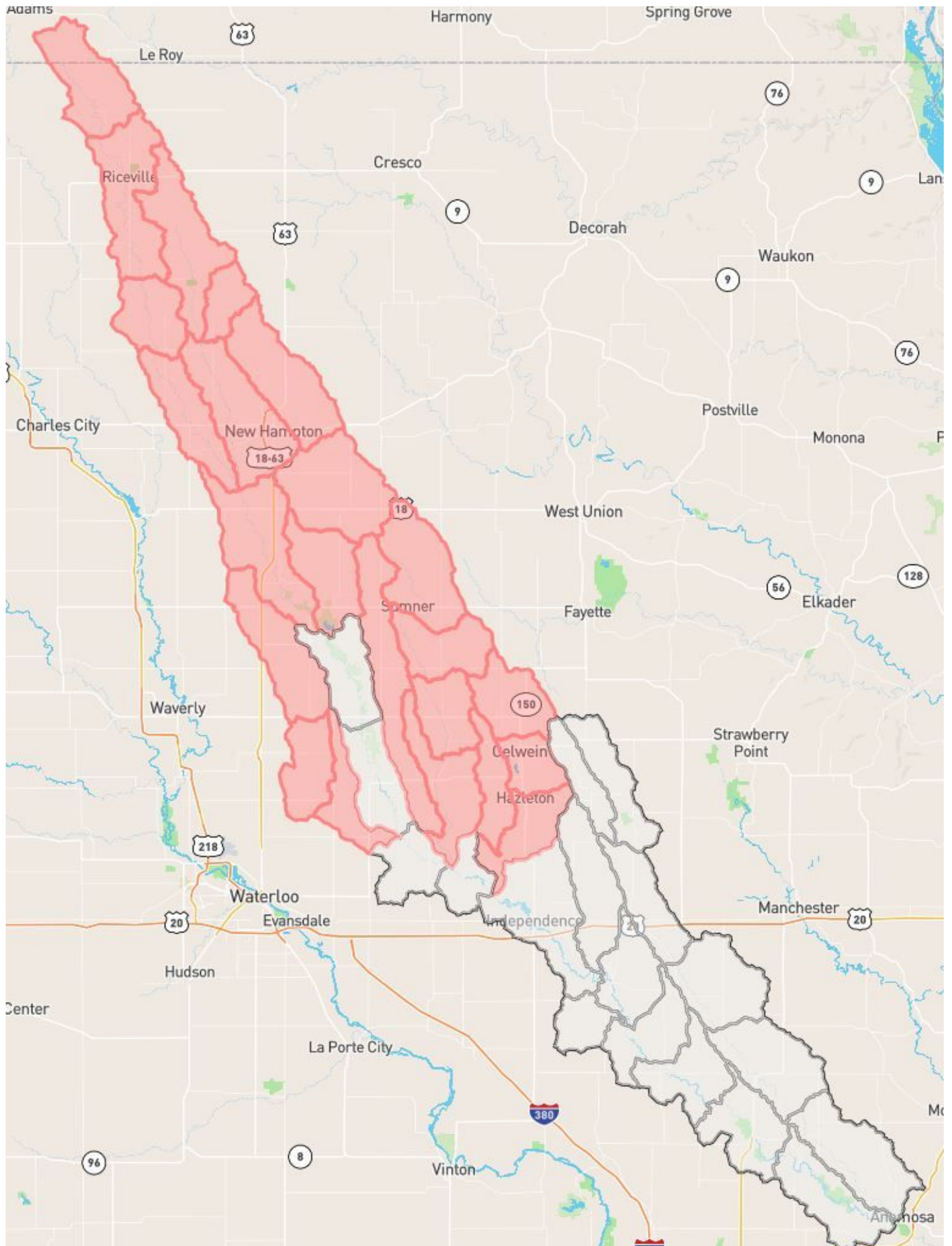
- Support projects that demonstrate, educate, or implement practices that infiltrate and store excess water, and/or improve water quality
- Support projects in priority HUC 12s
- Support projects that protect and/or restore stream and river corridor and floodplains

Action 1.1 Support upland projects that protect downstream at-risk community members from economic, emotional, health and social impacts of flooding



Projects that have a direct benefit for areas of the UWR Watershed have higher social vulnerability are a priority for the UWRWMA. These areas are identified within the IWA Information System to help emergency managers and other entities focus flood mitigation projects in areas that will have the most benefit to priority areas. Socially vulnerable populations include the elderly, minorities, or lower income households. These populations are less likely to have the means to recover from a flood event so the UWRWMA emphasizes mitigation practices to minimize the impact of floods.

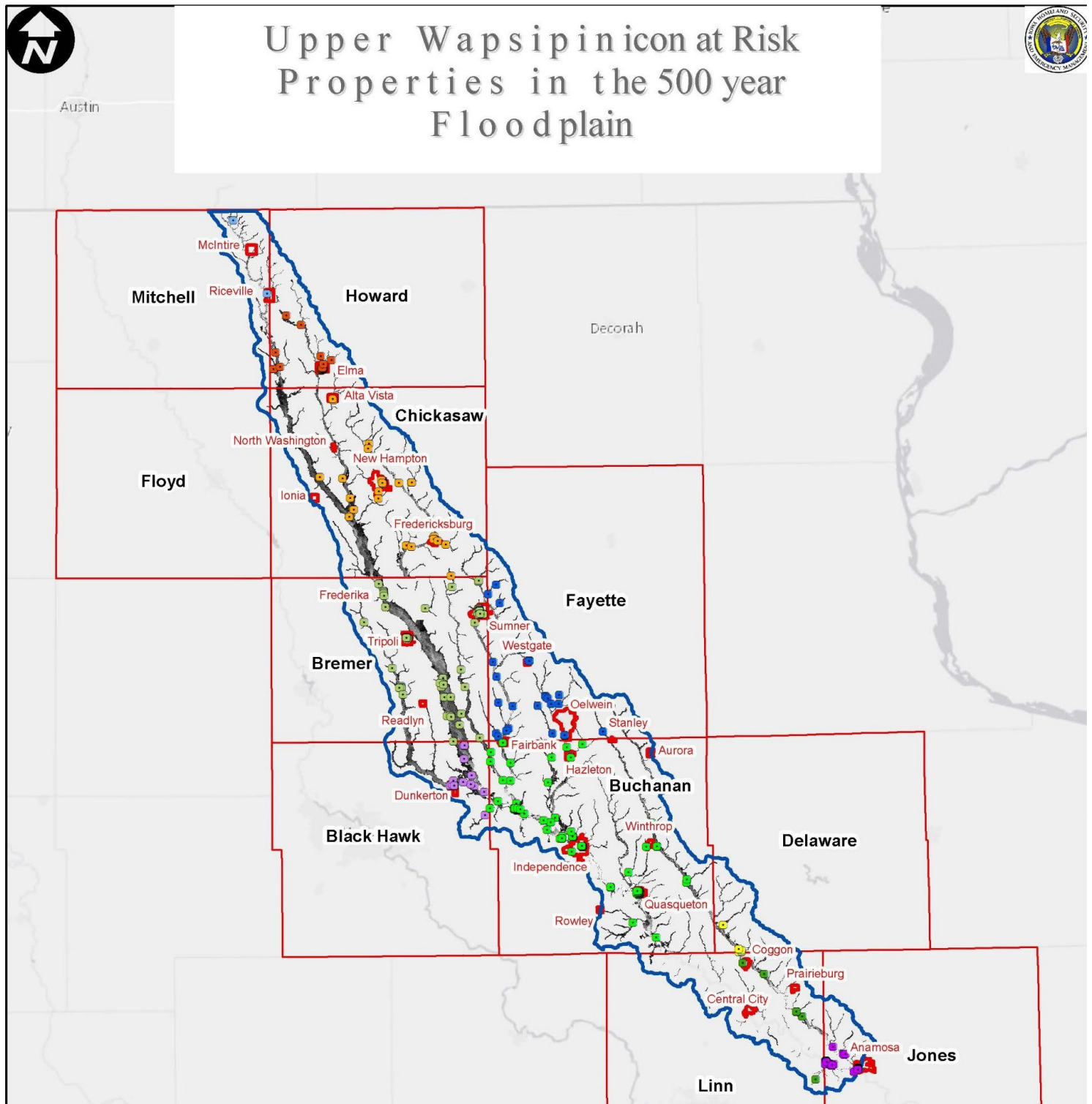
Action 1.2 Support flood mitigation projects that implement best management practices in the upland areas of the watershed





Upland areas of the UWR Watershed are shown in the map at right. The UWRWMA recognizes that implementation of practices highlighted in Objective 2, within the pink shaded area may have more impact than those in lower parts of the watershed. However, it is NOT to say that the Pink shaded area is the only area where practices should be implemented and best management practices implemented in any part of the watershed will have some benefit and are supported by the UWRWMA.

Action 1.3 Support projects and practices that protect transportation infrastructure and other private and public infrastructure



The UWR WMA supports projects that will directly benefit at risk infrastructure. The image on the right shows at risk infrastructure in the Upper Wapsipinicon River Watershed.

Legend	County	500yr Loss Vulnerability					
		Structures	Estimated Building Cost	Estimated Content Cost	Estimated Building Damage	Estimated Content Damage	Combined Estimated Loss
● BuchananCo Prospective Damages	Mitchell	2	\$ 81,780.00	\$ 40,890.00	\$ 11,746.94	\$ 4,951.37	\$ 16,698.31
● MitchellCo Prospective Damages	Howard	49	\$ 2,423,130.00	\$ 1,211,565.00	\$ 558,689.08	\$ 257,411.07	\$ 816,100.15
● LinnCo Prospective Damages	Chickasaw	49	\$ 3,506,461.79	\$ 1,803,700.00	\$ 570,293.62	\$ 255,758.72	\$ 826,052.34
● JonesCo Prospective Damages	Bremer	93	\$ 6,622,410.00	\$ 3,590,410.00	\$ 1,323,838.75	\$ 726,775.97	\$ 2,050,614.72
● HowardCo Prospective Damages	Fayette	26	\$ 3,158,670.00	\$ 1,658,495.00	\$ 980,351.96	\$ 508,154.90	\$ 1,488,506.85
● FayetteCo Prospective Damages	Black Hawk	115	\$ 9,144,750.00	\$ 5,064,005.00	\$ 2,263,658.33	\$ 1,454,168.71	\$ 3,717,827.04
● DelawareCo Prospective Damages	Buchanan	144	\$ 11,471,731.00	\$ 6,322,685.50	\$ 2,937,871.23	\$ 1,727,026.75	\$ 4,664,897.97
● ChickasawCo Prospective Damages	Delaware	5	\$ 794,800.00	\$ 397,400.00	\$ 208,465.19	\$ 91,183.46	\$ 299,648.65
● BremerCo Prospective Damages	Linn	6	\$ 627,507.00	\$ 313,753.50	\$ 154,219.28	\$ 68,009.65	\$ 222,228.93
● BlackHawkCo Prospective Damages	Jones	60	\$ 4,297,120.00	\$ 2,567,445.00	\$ 1,090,108.25	\$ 683,437.69	\$ 1,773,545.94
UpperWapsi_HUC8	Total	549	\$ 42,128,359.79	\$ 22,970,349.00	\$ 10,099,242.61	\$ 5,776,878.28	\$ 15,876,120.89
UpperWapsi_Counties							

Action 1.4 Support projects that demonstrate, educate, or implement practices that infiltrate and store excess water, and/or improve water quality



Demonstration sites and education and outreach efforts to go along with project implementation are supported by the UWR WMA. These efforts will help raise awareness and build support from the

public, visitors to the UWR Watershed, and from project partners. Demonstration of implemented practices along with education and outreach efforts about water quality and flooding will help to build and strengthen the sense of watershed community within the UWR Watershed. Further information about potential education and outreach efforts are detailed in Objective 4 of this plan.

Action 1.5 Support projects in priority HUC 12s



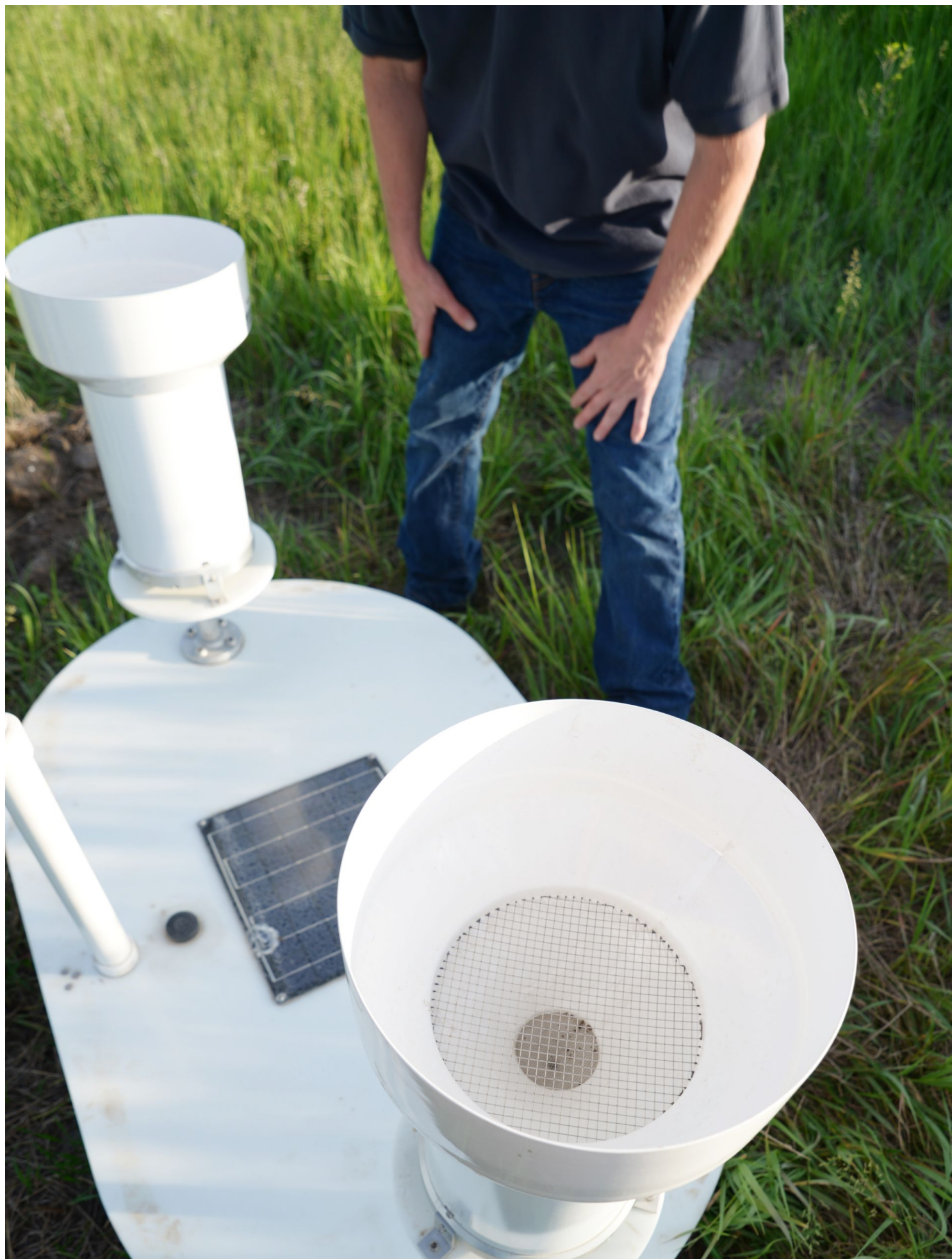
The UWR WMA will continue to rely on the SWCDs, NRCS, and other partners to help prioritize HUC 12 subwatersheds for targeted implementation projects. Information found in the [Upper Wapsipinicon Subwatersheds](#) page can be used to help guide prioritization.

Action 1.6 Support projects that protect and/or restore stream and river corridor and floodplains



The UWR WMA supports projects that protect stream and river corridors. Streambank restoration, in-stream habitat, increasing riparian vegetation, and other in and near-stream projects that enhance river and stream corridors that will also improve water quality and reduce the impact of flooding are prioritized. The UWR WMA also supports permanent protection of land adjacent to waterways by public and private organizations through conservation easements.

Strategy 2: Provide research, content, and recommendations that encourage location and practice prioritization in local plans, projects, and programs





The UWR WMA recognizes the value in supporting partner projects and plans that support the UWR Resiliency Plan. Examples may include:

1. Hazard Mitigation Plans and Projects
2. SWCD watershed plans, projects, and programs
3. City Stormwater Management Plans
4. Planning and Zoning ordinances, rules, and regulations
5. County Comprehensive Plans
6. Other plans as identified

Strategy 3: Assure the plan is a working document that meets the criteria outlined by the Iowa DNR, has local buy-in, provides expert guidance for the partners and provide regular updates and reports to that others may learn from our efforts.



The UWR WMA supports the Upper Wapsipinicon Watershed Resiliency plan as a working document that needs to be updated regularly to support partner projects, include continued research, and includes information needed to apply for future watershed projects. To reach this strategy the UWR WMA plans to carry out the following actions:

Action 1: Support continued research and analysis as new tools and funding become available to help us better understand the watershed.

Action 2: Apply for funding that becomes available to WMAs

Action 3: Support partner organization projects and applications