

**Upper Wapsipinicon River Watershed Management Authority
Buchanan County Courthouse Assembly Room
210 5th Ave NE, Independence, Iowa
Tuesday, July 16, 2019
1:30 p.m.**

AGENDA

The meeting was called to order by Chairman Don Shonka at 1:34 p.m.

Motion to approve the agenda was made and seconded. Motion passed.

Members present: Don Shonka, Buchanan County Supervisor; Brian Moore, Chickasaw County Conservation Board; Duane Meihost, City of Frederika; Jerry Steven, Howard County; John Kurtz, City of Independence; Dennis Goemaat, Linn County; Steven Smolik, Mitchell County; Gregg Eschweiler, City of Tripoli; Angie Auel, Project Coordinator; Ross Evelsizer, NE Iowa RC&D; Reuben Vyn and Valerie Decker, UI CEA; Mary Beth Stevenson, Iowa DNR; Rick Wulfekuhle, Buchanan County EMA; Sean Dolan; Larry Gioffredi, Iowa HSEMD; Brian Keierleber, Buchanan County Engineer; Breanna Shea and Craig Just, University of Iowa; Dan Trelka, Black Hawk County Supervisor

Minutes of the May 28, 2019 meeting were approved as read.

New Business

- **Community Flood Resilience Action Plan for City of Quasky– Craig Just**

Craig Just, associate professor at the University of Iowa and IWA Flood Resilience Team lead, shared an update on the Community Flood Resilience Action Plan (FRAP) for the city of Quasqueton. The Flood Resilience Team has partnered with the Northeast Iowa RC&D on an 18-month contract to complete a FRAP that will determine social vulnerability challenges, flooding and water quality issues, and will focus on community engagement activities and partnership building strategies to increase resiliency. Quasqueton was selected based location within the IWA project implementation area, flooding history and impact, community interest, and other contributing factors. The contract is still being processed through the UI systems, but work is expected to begin soon.

- **Watershed Planning Updates – Ross Evelsizer, Northeast IA RC&D**

Ross discussed the Upper Wapsi River Watershed WMA Resiliency Plan Goal #2 Quantitative Actions the Technical Team discussed on morning of July 16, 2019. On page three of the minutes are the Quantitative Actions which were determined.

- **Update on IWA Funded Projects – Angie Auel**

Seventeen projects are in some stage of the process right now. 4-5 are close for bidding but we are waiting for Tier II to be completed. There is still hope to get projects built by early fall. Angie is working with the Iowa DNR on a few larger projects. One is an oxbow restoration by Cedar Rock where a lot of dirt work will need to be completed to get to the original river bed. Two other larger wetlands are in the works for the Iowa DNR in Delaware County.

- **Water Monitoring Update 2019 – Angie Auel**

Angie reported that we do not have data right now but will have data to share at next WMA meeting.

- **Other**

Breanna Shea, communications specialist for the Iowa Flood Center, shared an update on the IFC's 10-year anniversary celebration on June 13th and thanked partners for their participation, and ongoing support. Shea announced that four new IFC stream sensors will be deployed through the Upper Wapsipinicon River Watershed by the end of 2019. IFC and a team of interagency partners including Iowa Homeland & Security Emergency Management, U.S. Army Corps of Engineers, Iowa Department of Natural Resources, National Weather Service, and local emergency management coordinators have identified priority locations across the state to expand the IFC stream sensor network to improve flood monitoring and forecasting efforts.

Next Meeting

Next meeting to be announced for October/November.

Meeting adjourned at 2:11 p.m.

Respectfully submitted,

Gregg Eschweiler
Secretary

Upper Wapsi River Watershed WMA Resiliency Plan

Goal #2 Quantitative Actions

Objective	Practices/Actions	Goal: Overall Discharge Reduction of 12in of stage 2008 event
Detention Structures	<ul style="list-style-type: none"> ● Ponds, ● WASCObS ● Wetlands ● Oxbow Restoration ● On-road structures 	<p>15,000 acre-feet of distributed storage for priority HUC12 watersheds</p> <p>*Priority HUC 12s are upland subwatersheds above the community of Independence and excluding those that include the Wapsi River Corridor</p> <p>18,000 acre-feet of distributed storage for the entire UWRW</p>
Soil Health	<ul style="list-style-type: none"> ● Cover Crops ● No-till/Reduces Tillage ● Multi-cropping/Regenerative cropping 	<p>100% cover by one or more of the soil health or perennial cover practices on 'Critical' and 'Very High' Runoff Risk parcels as shown by the ACPF Data.</p> <p>60% cover on parcels deemed as 'high'</p>
Perennial Cover	<ul style="list-style-type: none"> ● CRP ● Tree and Shrub Establishment (TSI) ● Contour Buffer Strips ● Prairie Strips ● Grass Waterways ● Diverse Crop Rotations ● Rotational Grazing 	<p>40% cover by one or more of the soil health or perennial cover practices on remaining acres.</p>
Water Quality Improvement	<ul style="list-style-type: none"> ● Manure Storage Systems ● Bioreactors ● Saturated Buffers ● Drainage Water Management Systems ● Livestock Stream Exclusion ● Livestock Proximity 	<p>Implement Water quality improvement practices to reach the following goals:</p> <ul style="list-style-type: none"> ● Reduce Nitrates to below 6mg/L in all surface and source waters. ● Reduce Total Phosphorous below .2 ● Meet standards for all designations/No impairments. ● Reduce turbidity/Increase visibility in surface water during rainfall events to no less than 10cm. ● Continue stream monitoring. ● Encourage well testing and analyze test results by Subwatershed ● Restore and maintain viable population of smallmouth bass and northern pike along the entire Upper Wapsi River ● Completed phase 2 source water assessment for all communities in the UWRW
Flood Plain Management	<ul style="list-style-type: none"> ● Stream Bank Stabilization ● Riparian Buffer Strips ● Move vulnerable populations ● Acquire easements ● Instream habitat 	<ul style="list-style-type: none"> ● Protect near stream habitat and river floodplains thorough easements. ● Reduce impact to vulnerable populations and at-risk properties through buyouts, and development of affordable housing outside of the floodplain. ● Increase native vegetation planting adjacent to streams and rivers by 50%. ● Protect critical Transportation infrastructure, with emphasis on emergency response routes. ● Relocate critical response services and facilities out of the floodplain ● Reduce CAFO/manure storage siting in floodplain areas