A vision for a more resilient Iowa

The Iowa Watershed Approach

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North Raccoon River Watershed Project Update

Map showing different watershed regions in Iowa, including North Raccoon, Upper Iowa, Upper Wapsipinicon, Middle Cedar, Dubuque/Bee Branch, English River, Clear Creek, West Nishnabotna, and East Nishnabotna.
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Previous Meeting

- IWA Program Timeline
- Hydrologic Assessment
  - Hydrologic Model Development Review
  - Hydrologic Model Updates
  - Radar Rainfall Estimate Inputs to Model
  - Initial Hydrologic Model Results
- Sensor Deployment
- Survey
IWA Program Timeline

- Year 1: 2016
  - Quarter 1: WMA formation
  - Quarter 2: Hydrologic Assessment
  - Quarter 3: Watershed Plan
  - Quarter 4: Select Implementation Sites

- Year 2: 2017
  - Quarter 1: Sensor Deployment
  - Quarter 2: Baseline Data Collection and Analysis
  - Quarter 3: Detailed Model Development and Scenario Analysis

- Year 3: 2018
  - Quarter 1: Project Design
  - Quarter 2: Project Construction/Implementation

- Year 4: 2019
  - Quarter 1: Evaluation of Projects

- Year 5: 2020

- Year 6: 2021
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Existing BMPs

BMPs are being collected by 12-digit HUC and finished products can be downloaded at:
https://athene.gis.iastate.edu/consprac/consprac.html
Agricultural Conservation Planning Framework: Staff Creek Watershed

Conservation Practices:
- Drainage Water Management
- Grassed Waterways
- Buffer Strips
- Water and Sediment Control Basins (WASCOBs)
- Nutrient Removal Wetlands
- Saturated Buffers

Further Information: http://northcentralwater.org/acpf/
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Hydrologic Sensor Network

- rainfall
- wind speed and direction
- soil moisture and temperature
- shallow ground water

Vaisala WTX531
Campbell Scientific CS655
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Hydrologic Sensor Deployment

Buena Vista
Pocahontas
Calhoun
Greene

North Raccoon River Watershed
Target Counties
Target Areas
Survey Highlights

Survey responses in general were quite positive about the progress being made toward forming a WMA. In particular, respondents agreed that:

1.) The watershed has the necessary resources to form the WMA
2.) The meetings are providing a good basis for building a partnership
3.) Forming a WMA will help in the process of improving bother water quality and mitigating flood damage
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