

UIRWMA | Agenda

Meeting date time 2/15/2018 Business Meeting 5:00-5:15 PM Presentations 5:15 | Meeting location Decorah City Council Chambers

BUSINESS MEETING

1) Agenda topic **Call Meeting to Order** | Presenter John Beard

2) Agenda topic **Approval of Minutes 11/9/17 meeting** | Presenter John Beard

Discussion:

Action items	Motion	Second
Approve Minutes from 11/9/2017 meeting	Andy Carlson	Jan McGovern

3) Agenda topic **Set Next Meeting Time/Date and Adjourn Business Meeting** | Presenter John Beard

Discussion:

Action items	Motion	Second
Next Meeting: June 7 th at 5:00 PM at Decorah City Council	Mark Jensen	Andy Carlson

Presentations:

Update from Iowa Flood Center:

- Antonio Arenas – Using FEMA data to assess flooding in Iowa

Update from Northeast Iowa RC&D:

- Upper Iowa River Watershed Plan Development Update

Upper Iowa River WMA Coordinator Update:

- Matt Frana - UIR Project Coordinator Update



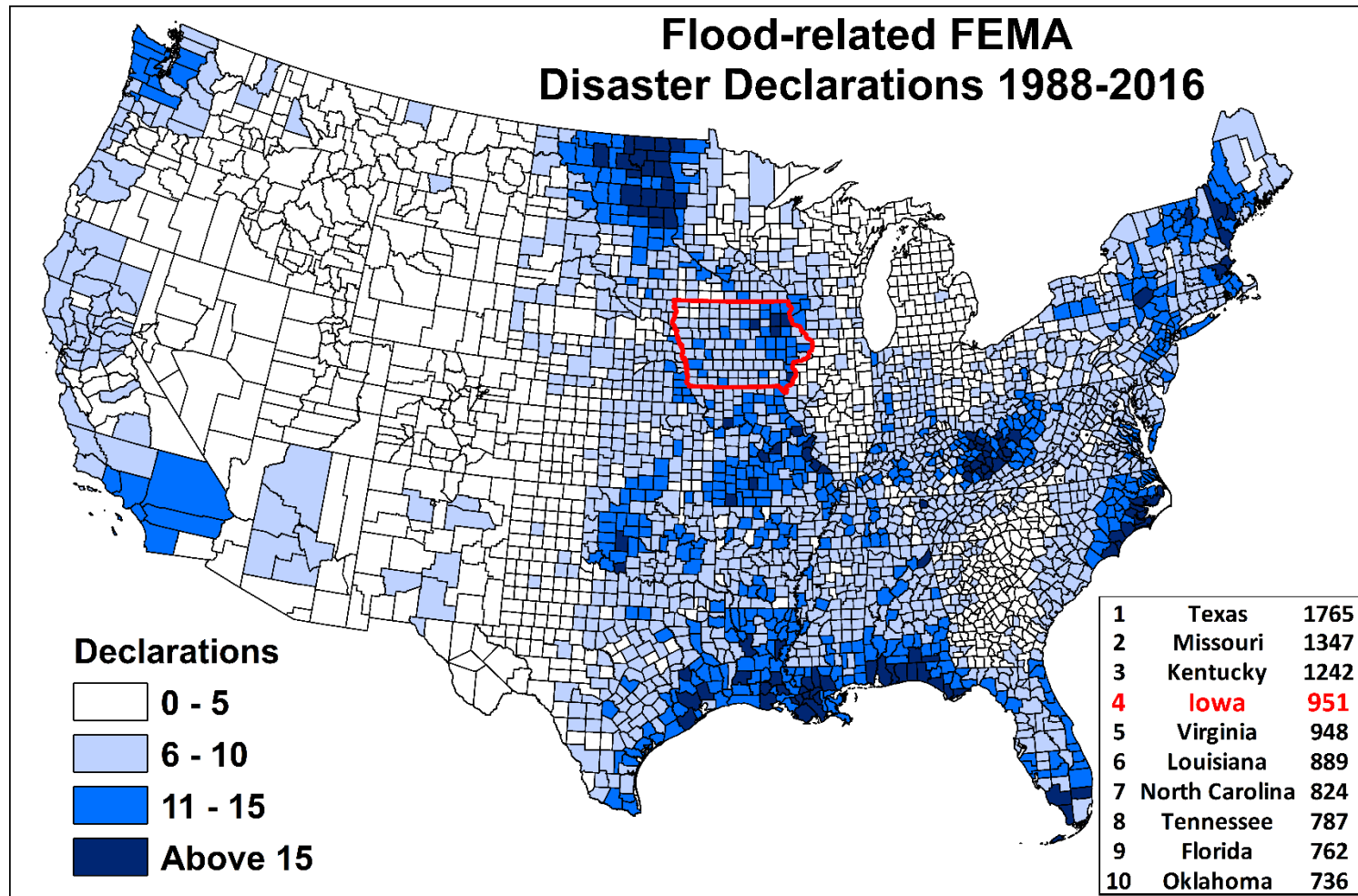
A vision for a more resilient Iowa

The Iowa Watershed Approach

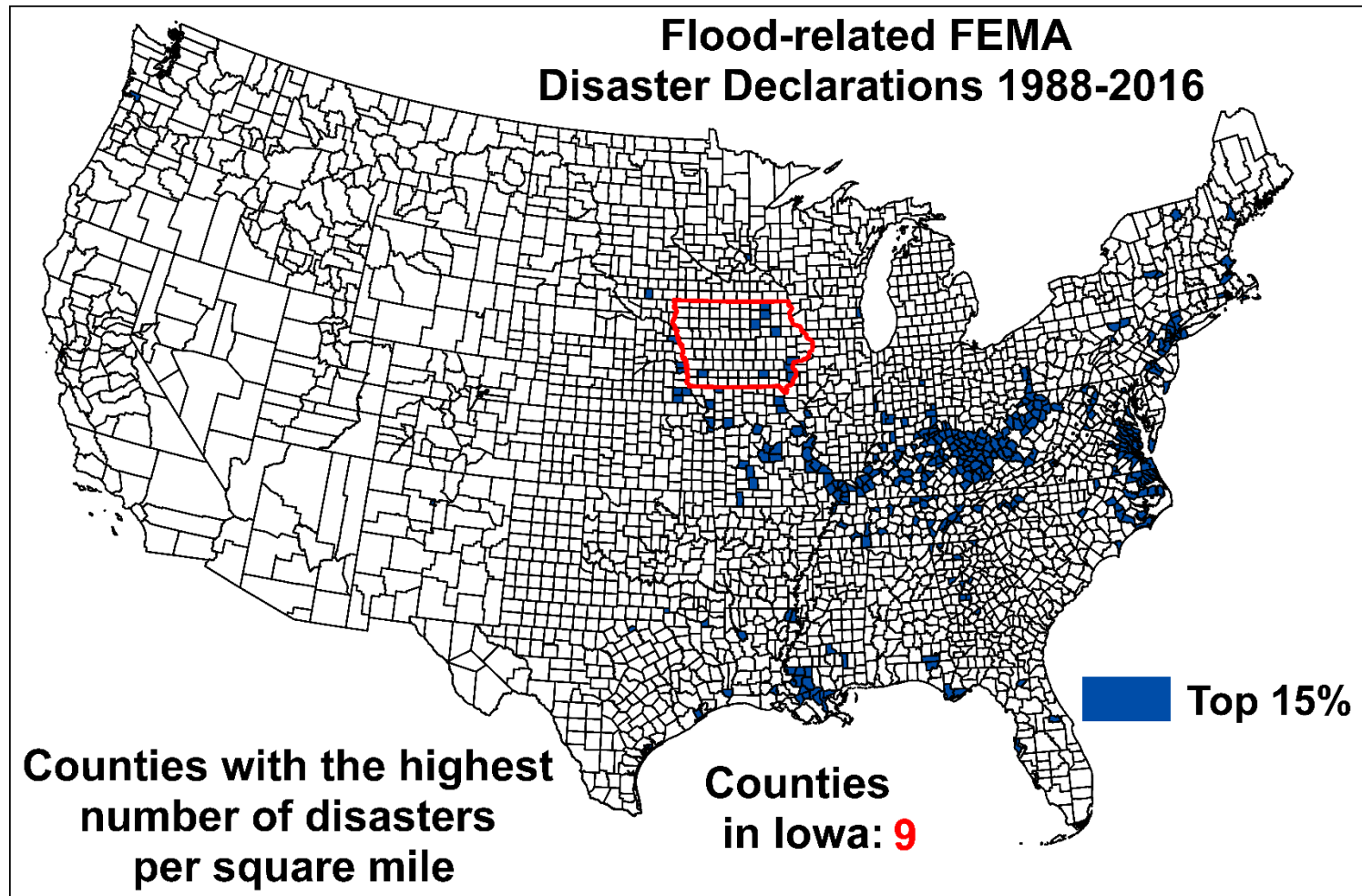
Antonio Arenas

Assistant Research Engineer
antonio-arenasamado@uiowa.edu

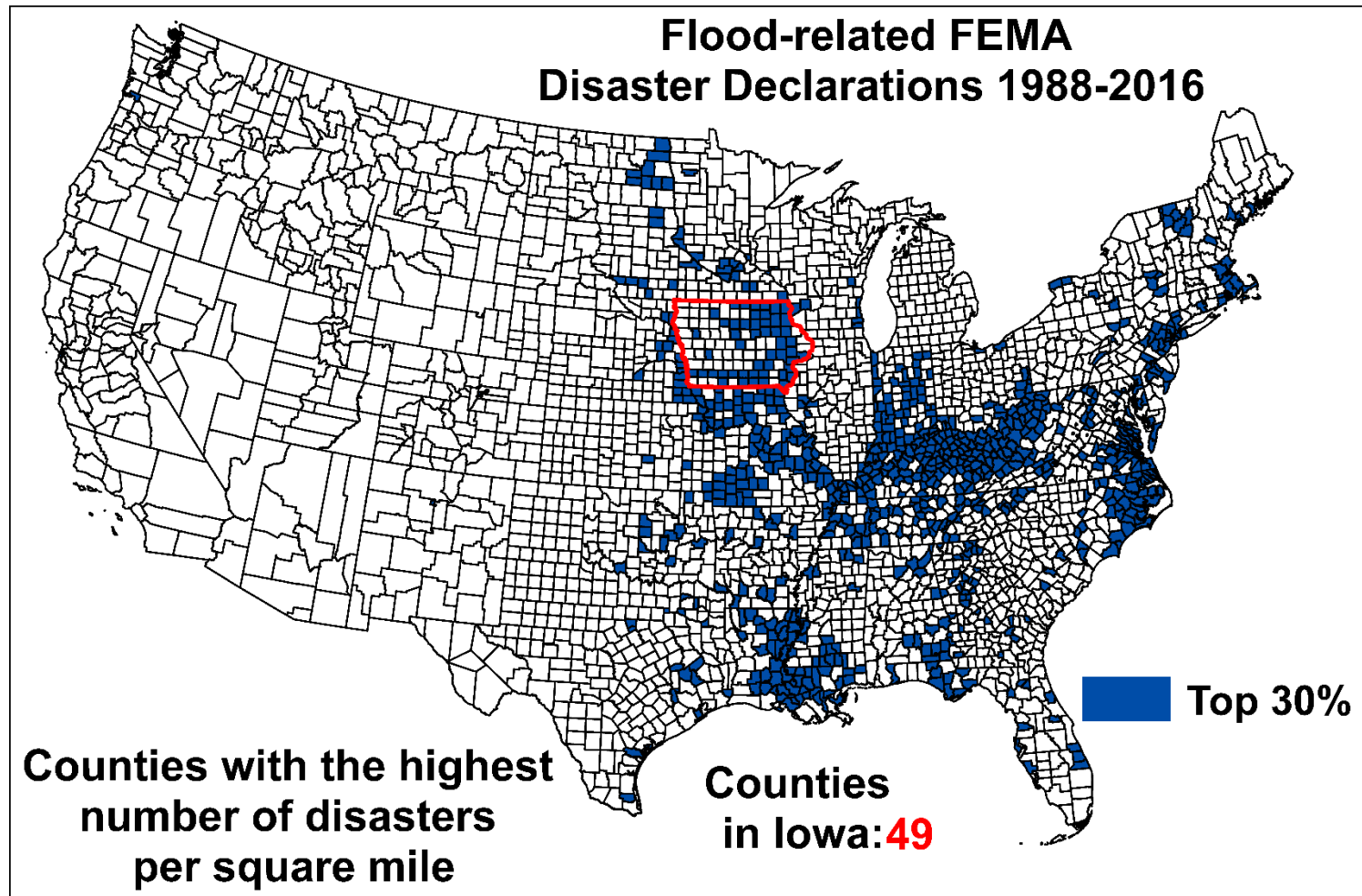
The Iowa Watershed Approach



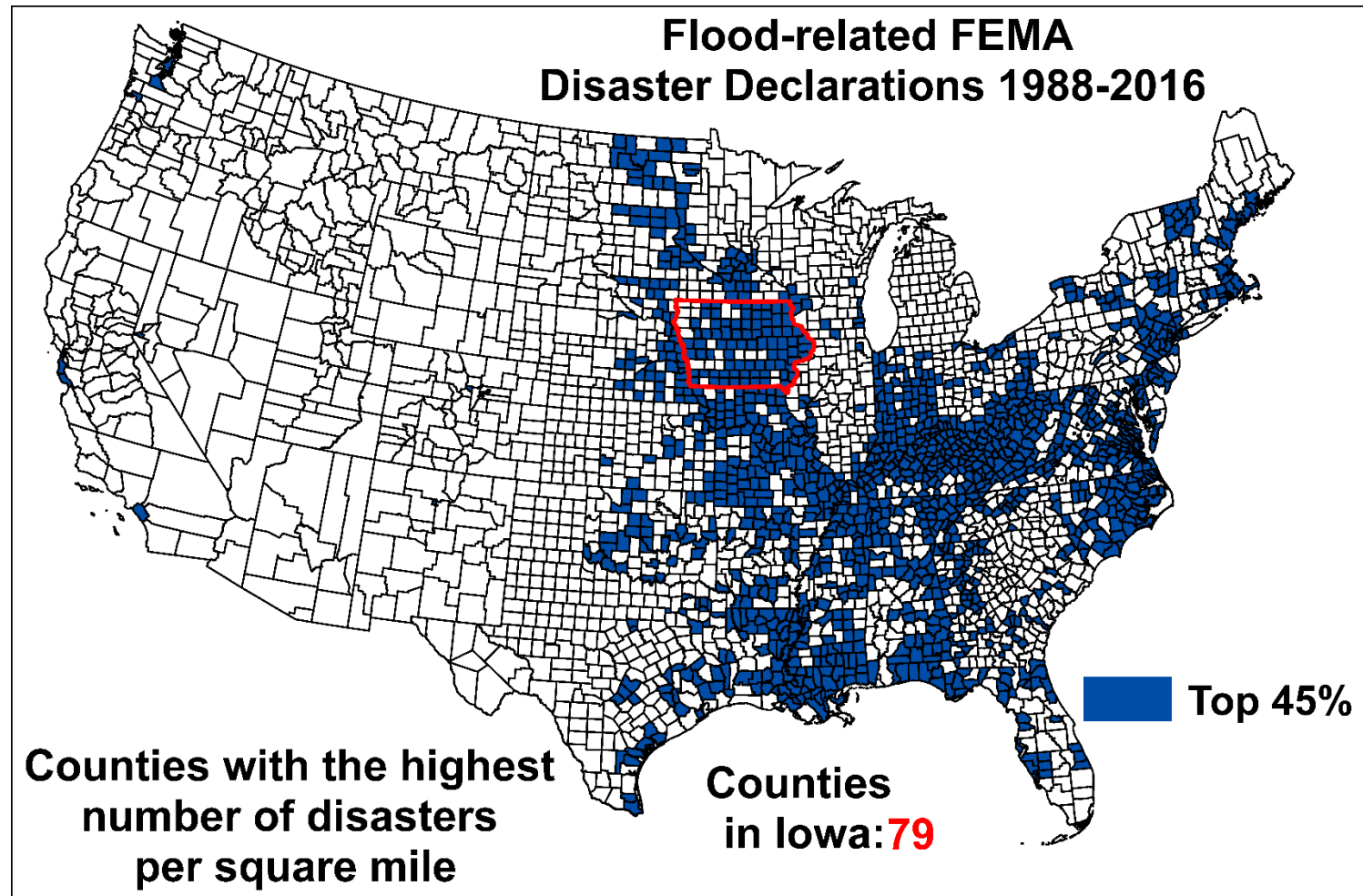
The Iowa Watershed Approach



The Iowa Watershed Approach

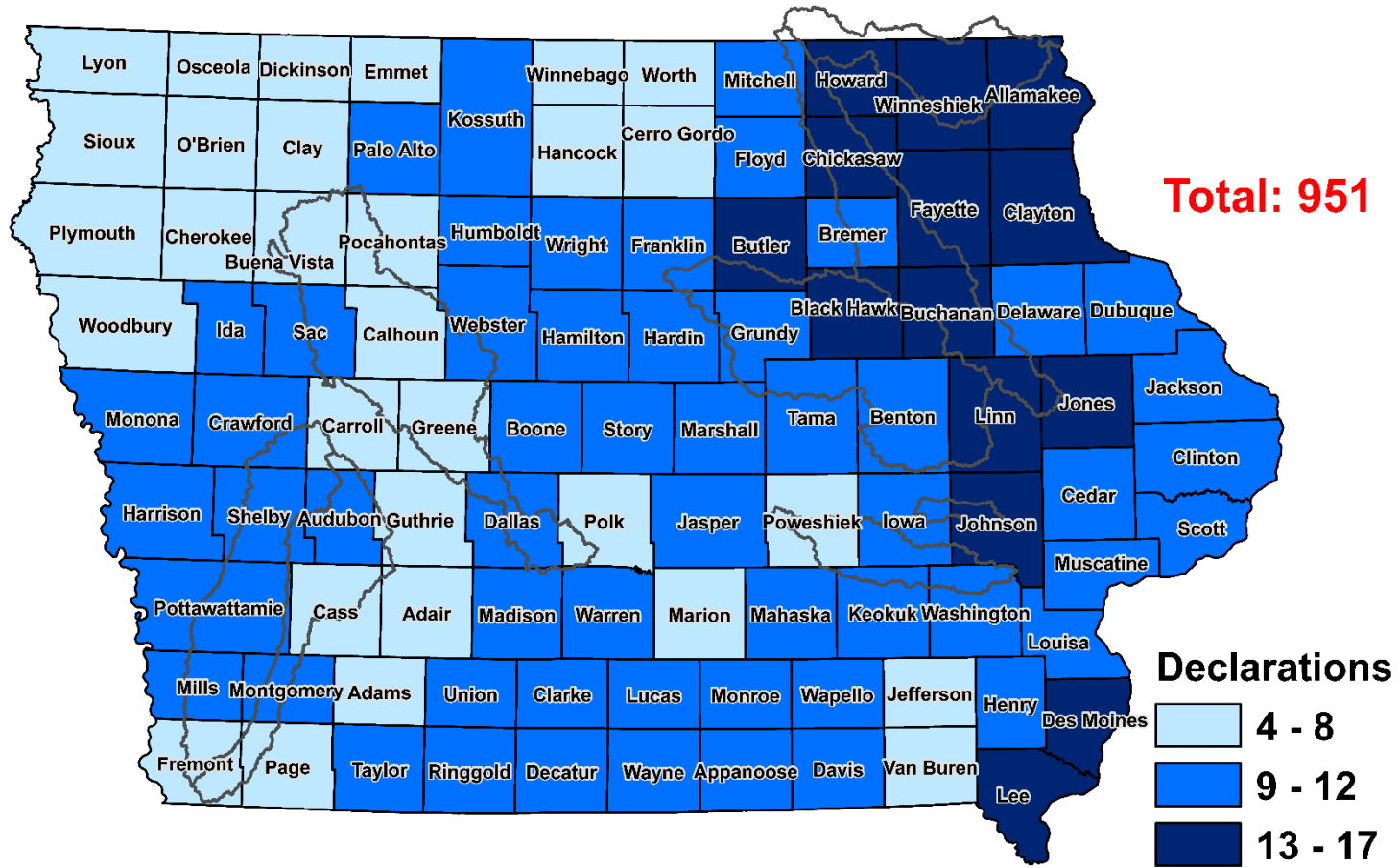


The Iowa Watershed Approach

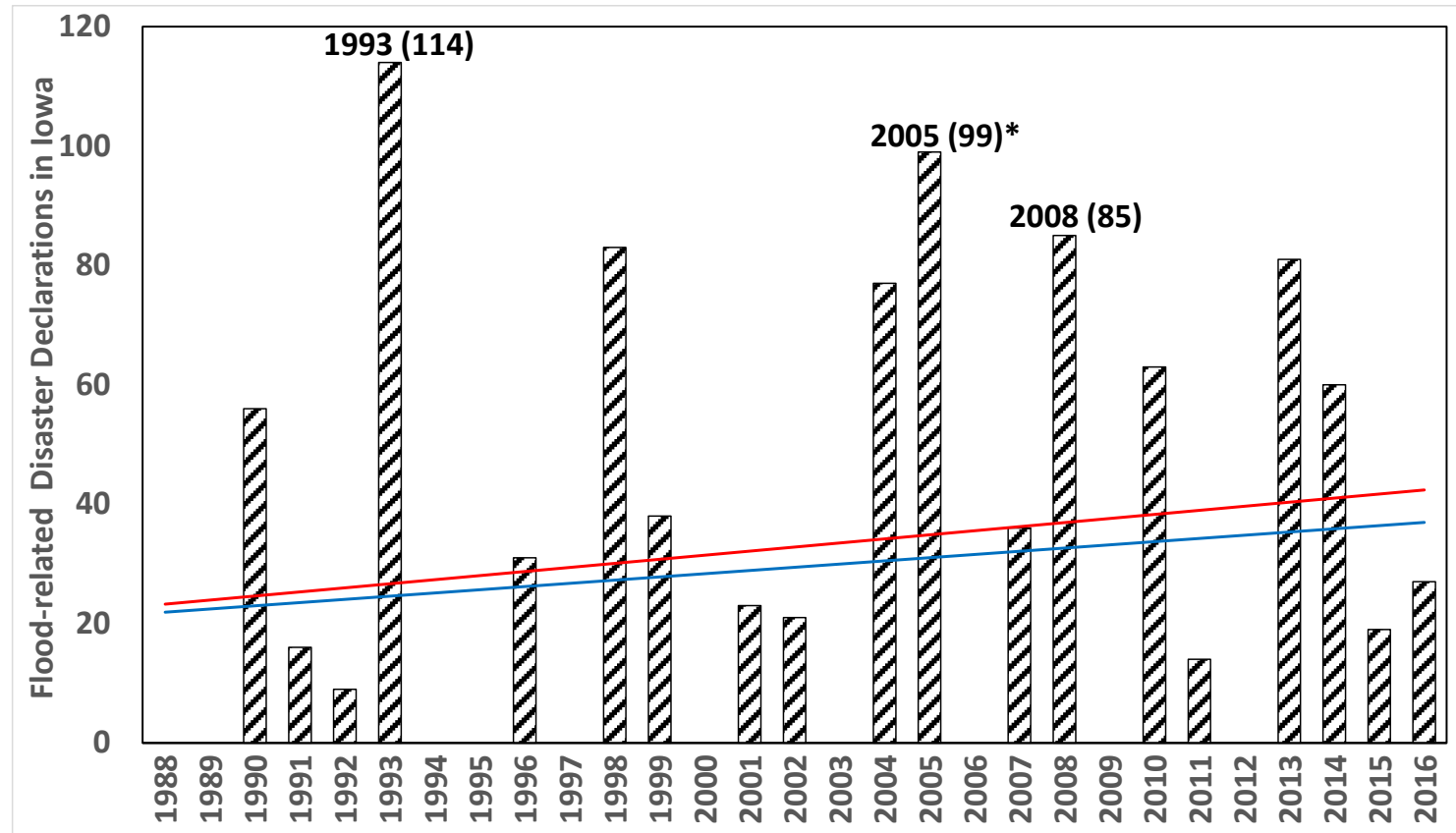


The Iowa Watershed Approach

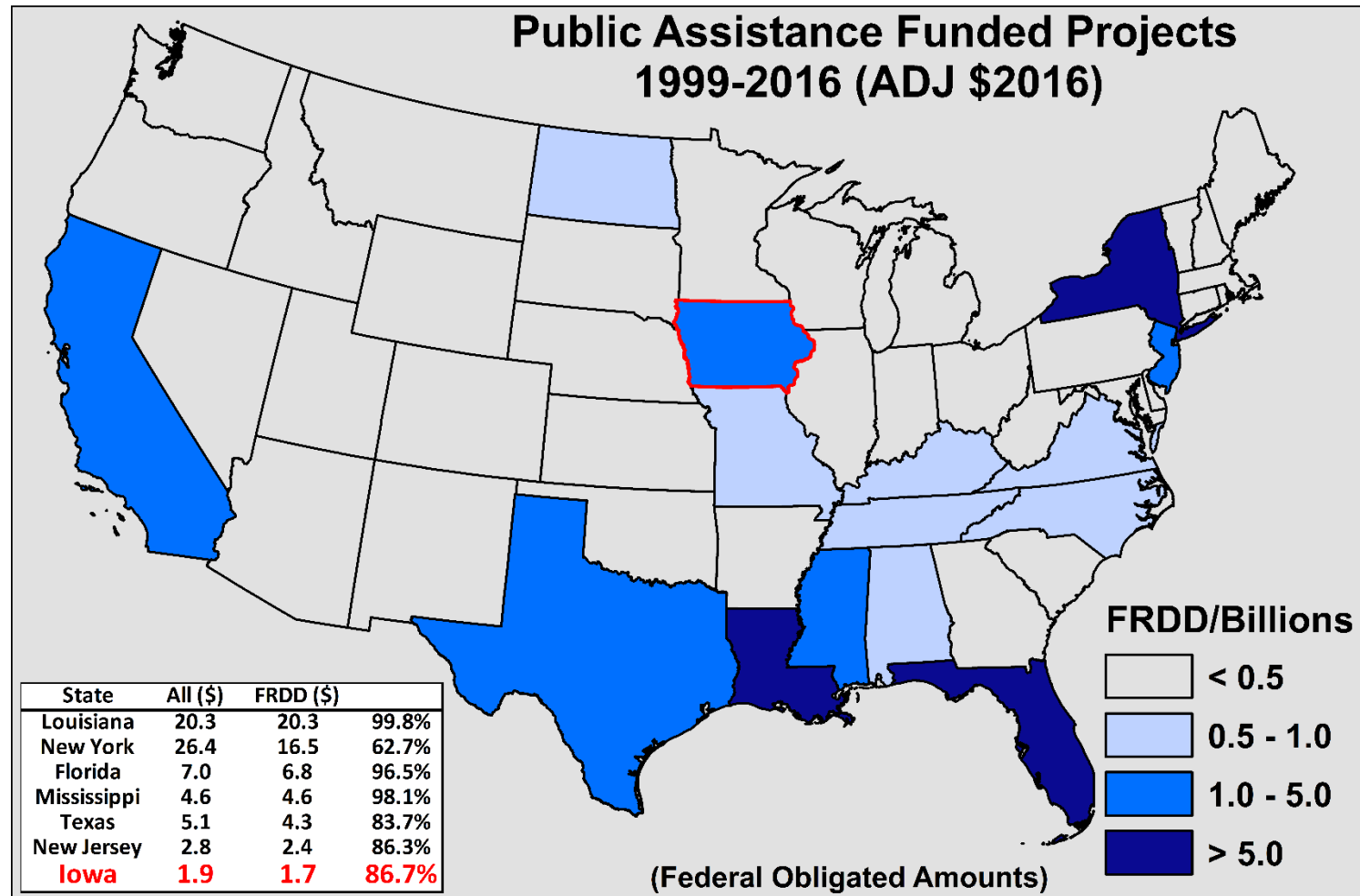
Flood-related FEMA Disaster Declarations 1988-2016



The Iowa Watershed Approach

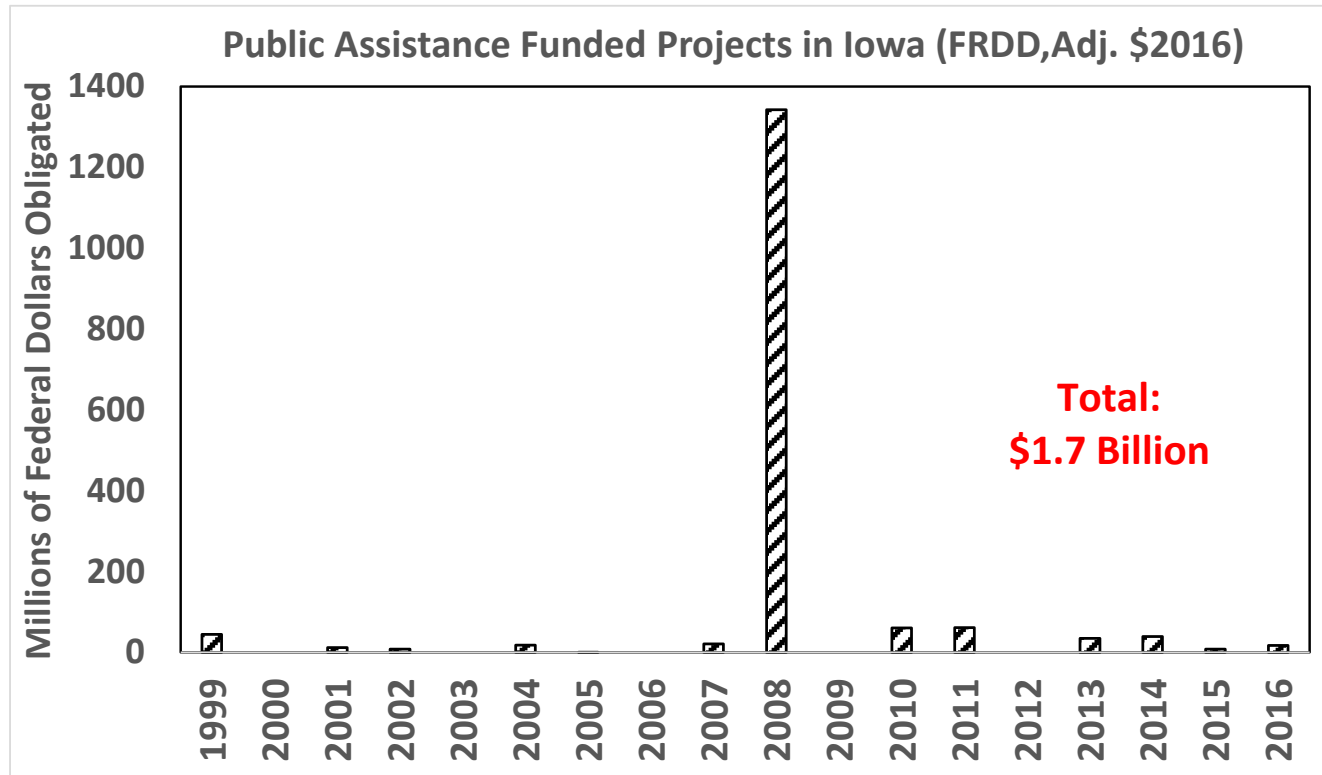


The Iowa Watershed Approach



FEMA provides supplemental Federal disaster grant assistance for debris removal, emergency protective measures, and the repair, replacement, or restoration of disaster-damaged, publicly owned facilities and the facilities of certain Private Non-Profit (PNP) organizations through the Public Assistance (PA) Program (CDFA Number 97.036).

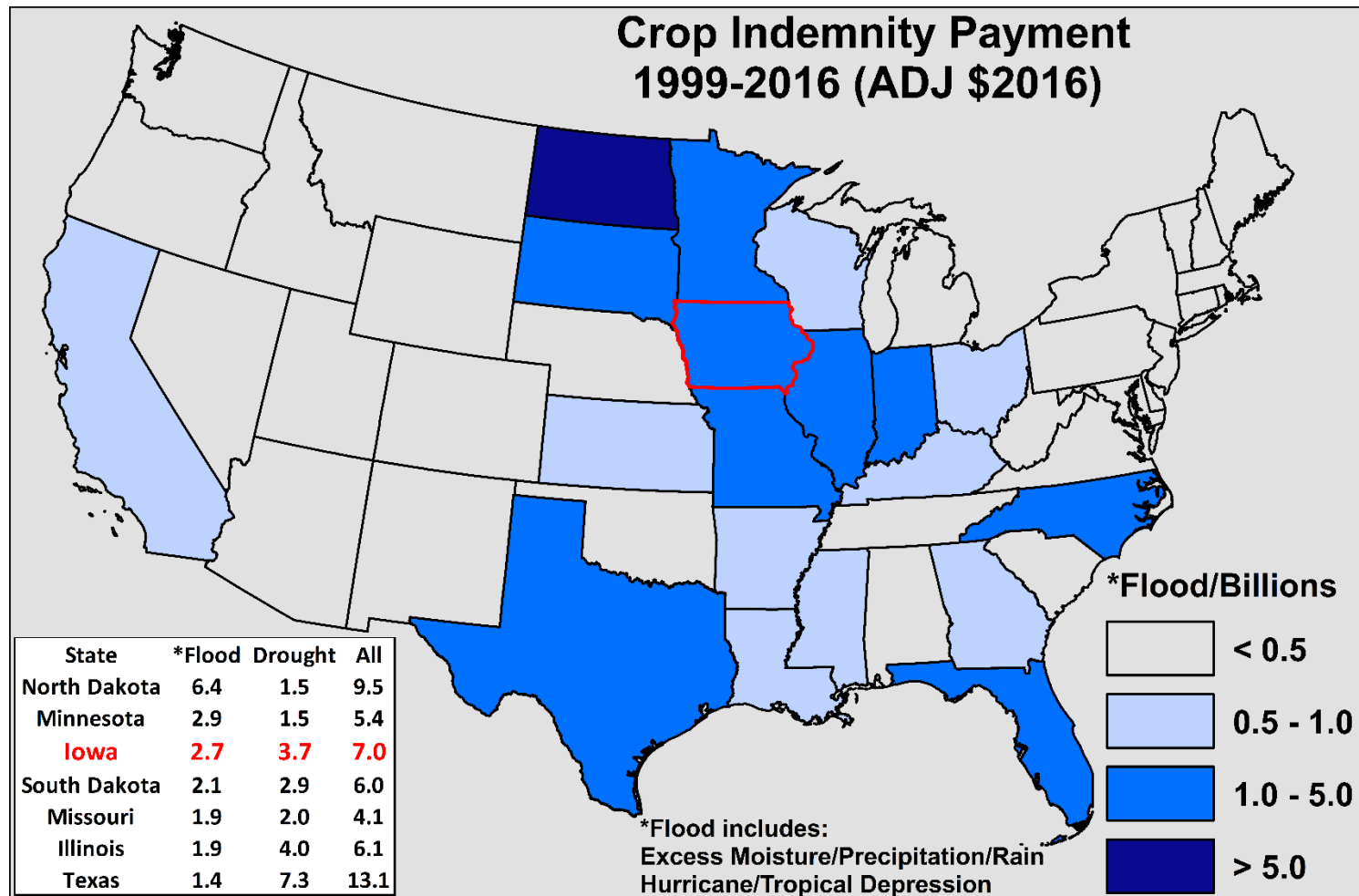
The Iowa Watershed Approach



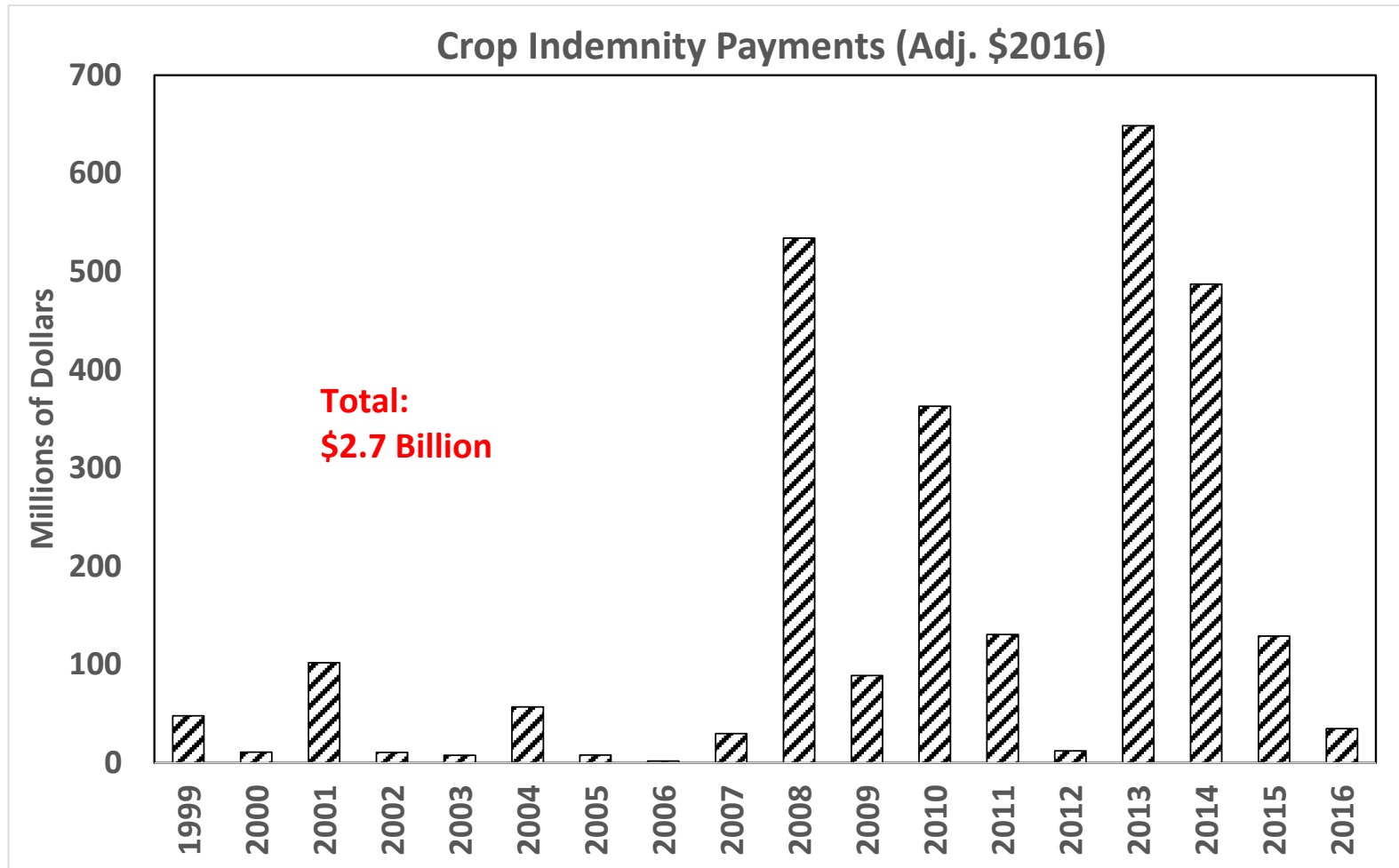
* Flood-related disasters

FEMA provides supplemental Federal disaster grant assistance for debris removal, emergency protective measures, and the repair, replacement, or restoration of disaster-damaged, publicly owned facilities and the facilities of certain Private Non-Profit (PNP) organizations through the Public Assistance (PA) Program (CDFA Number 97.036).

The Iowa Watershed Approach



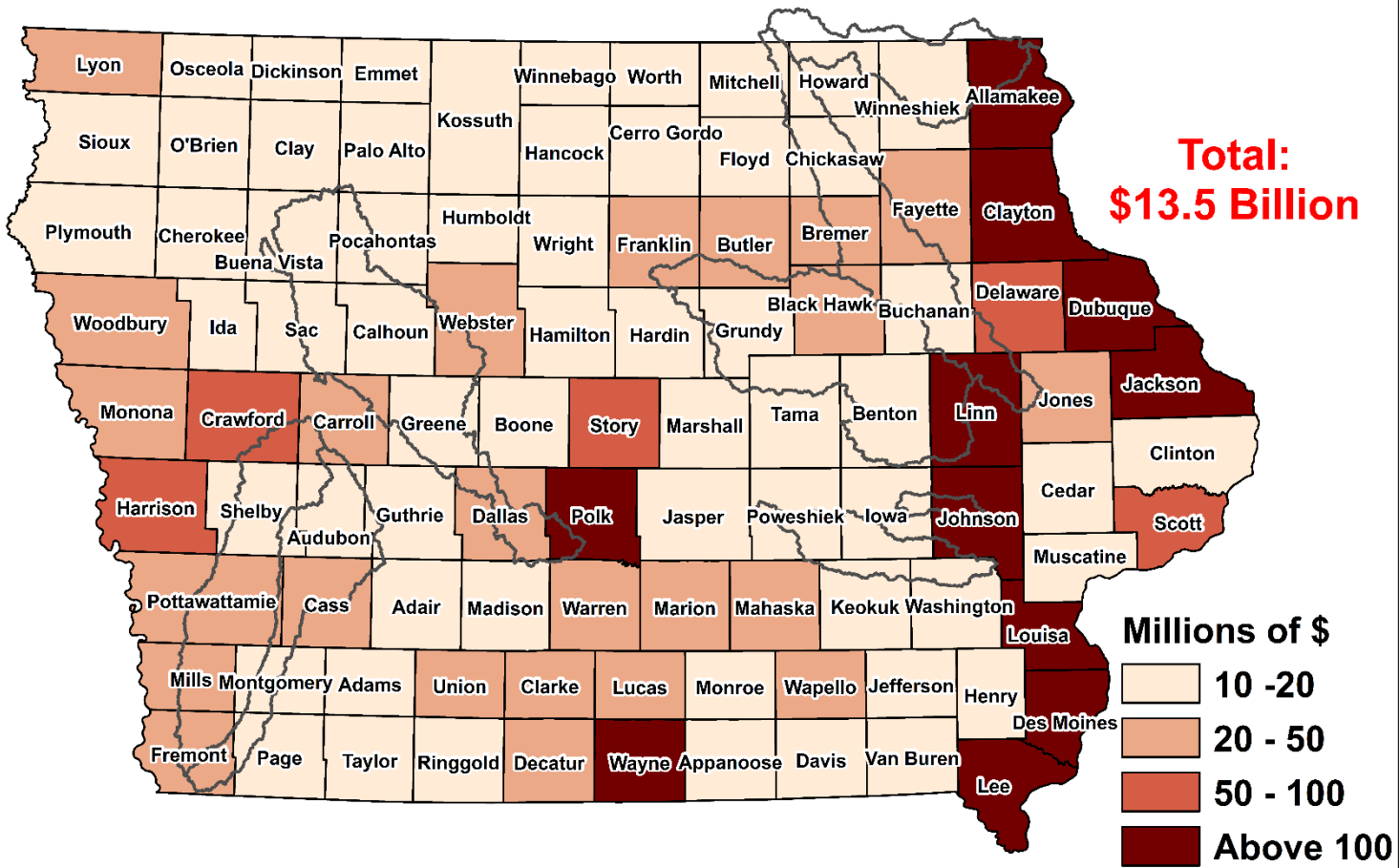
The Iowa Watershed Approach



**Iowa. USDA Payments. Damage Description: *Excess Moisture/Precipitation/Rain*
*Hurricane/Tropical Depression***

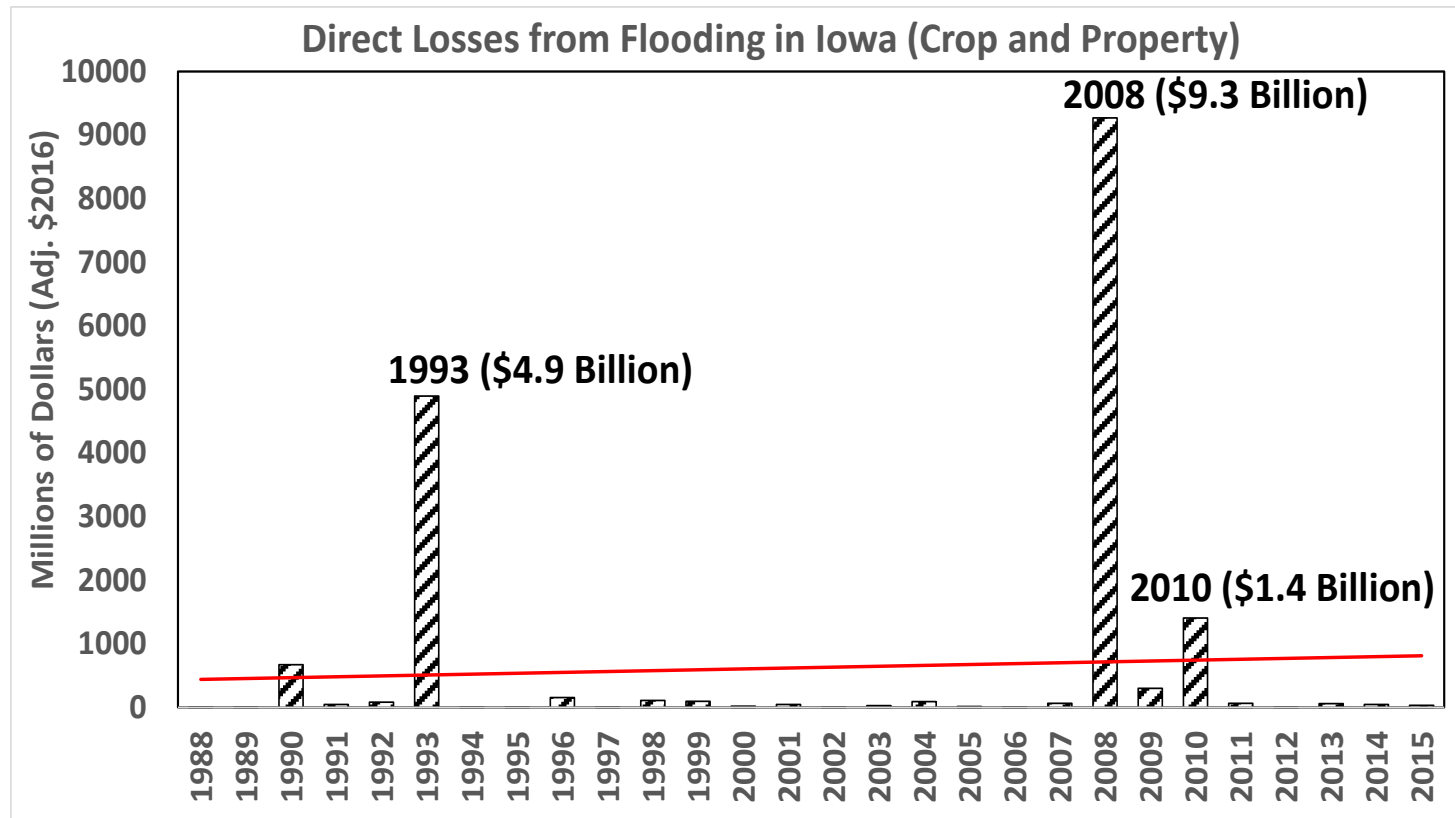
The Iowa Watershed Approach

Direct Property Losses from Flooding 1988-2015 (Adj. \$2016)





The Iowa Watershed Approach





A vision for a more resilient Iowa

The Iowa Watershed Approach

**Iowa Flood Center
The University of Iowa
100 C. Maxwell Stanley Hydraulics Laboratory
Iowa City, IA 52242**

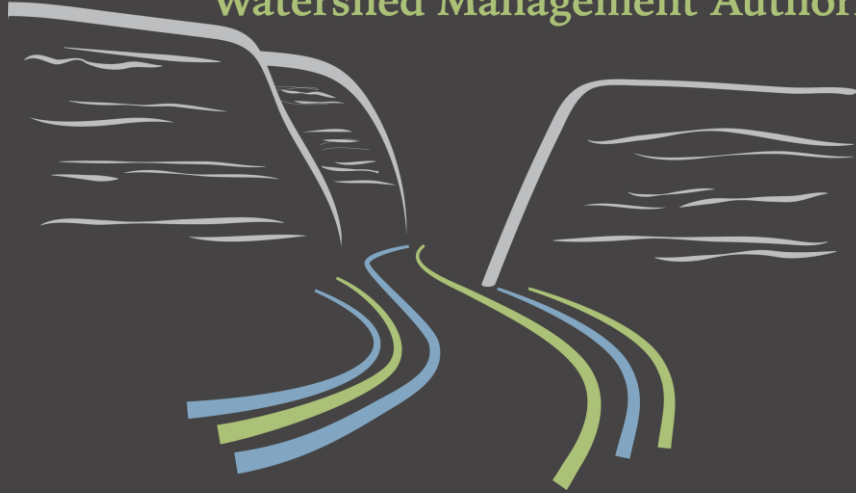
319-384-1729

www.iowafloodcenter.org



Upper Iowa River

Watershed Management Authority



Planning Update February 15, 2018

Ross Evelsizer, Watershed Planner
ross@northeastiowarcd.org

Megan Buckingham, Watershed Outreach Coordinator
megan@northeastiowarcd.org

Tori Hartman, GIS Analyst & Project Technician
tori@northeastiowarcd.org

Northeast Iowa RC&D: 563-864-7112



Northeast Iowa RC&D



Public Open House Meetings


THE UPPER IOWA RIVER WATERSHED


Open House!
CHECK OUT THE POSTERS TO LEARN MORE ABOUT...


 **IOWA AS A MODEL FOR THE NATION** 

The Watershed Itself

SHARE WHAT YOU VALUE AND ARE CONCERNED ABOUT.

 TELL US WHAT **URBAN** AND **RURAL** FLOOD REDUCTION PRACTICES YOU WANT TO SEE IN THE UPPER IOWA RIVER WATERSHED.

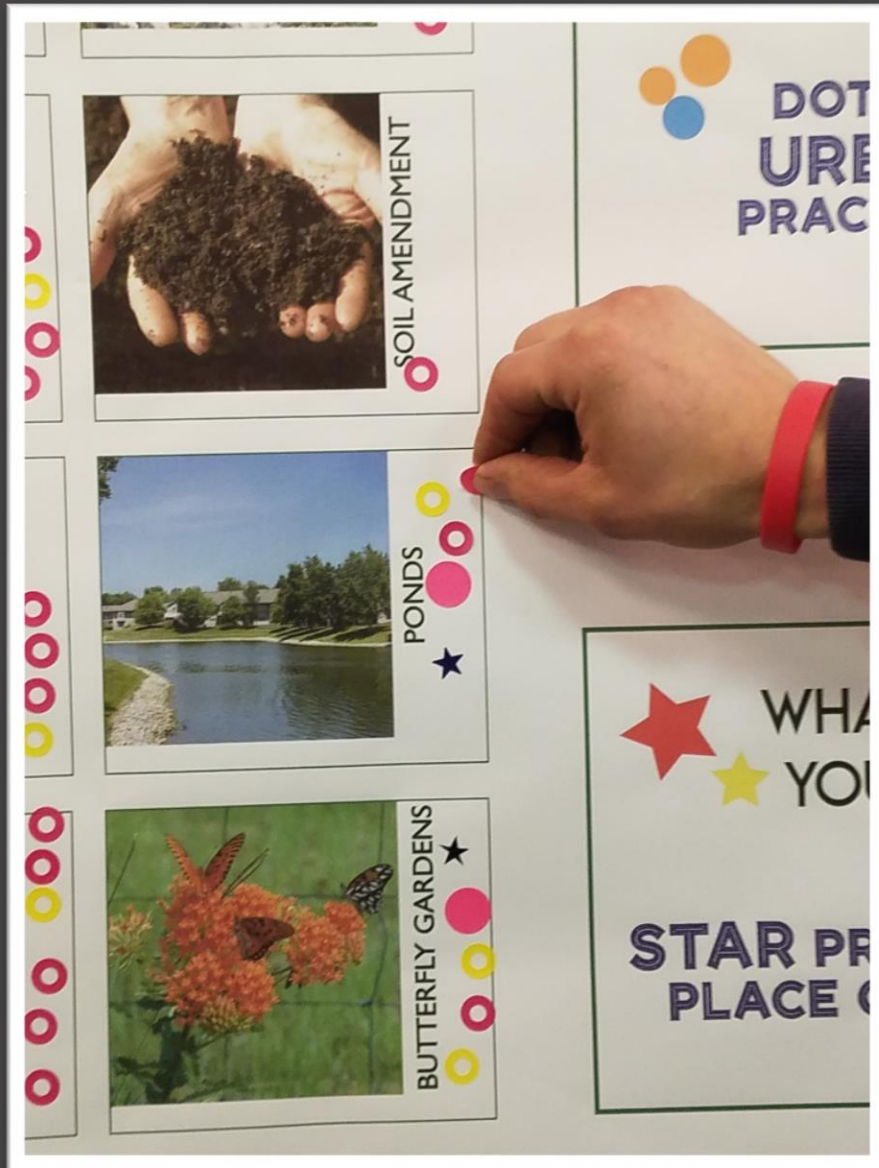
 **AND TELL US WHAT YOU WOULD DO ON YOUR LAND!**

QUESTIONS? TALK TO NORTHEAST IOWA RC&D STAFF -- THEY'RE ALL WEARING NAMETAGS! 

Dorchester – November 14th
Decorah – November 27th
Cresco – November 28th



Public Open House Meetings



Gather input ::

What do people value in their watershed?

What are people concerned about?

What do watershed residents and landowners want to DO on their land & in their communities to increase resilience?



Public Open House Meetings: Dorchester



Public Open House Meetings: Dorchester



Public Open House Meetings: Decorah



Public Open House Meetings: Decorah



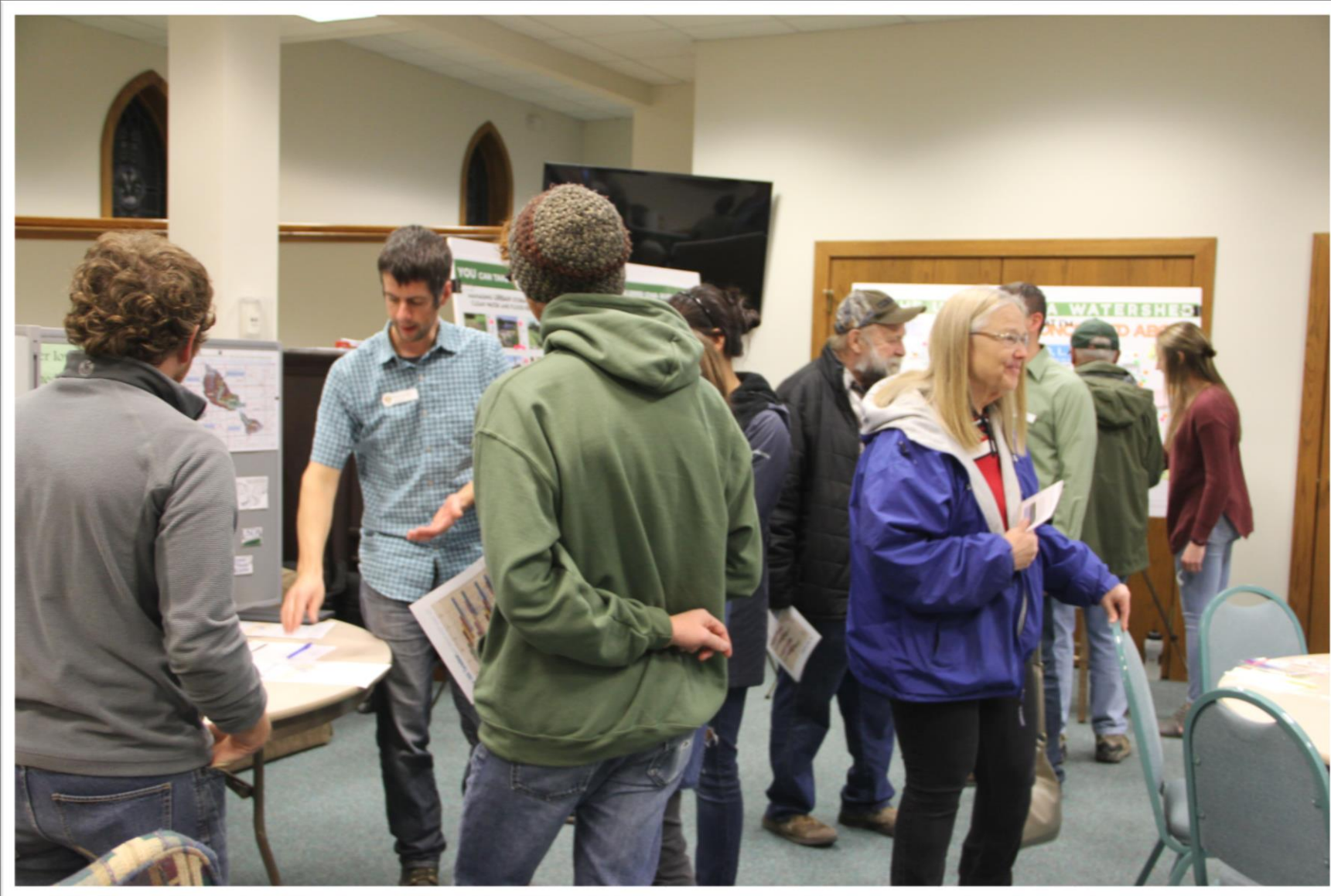
Public Open House Meetings: Decorah



Public Open House Meetings: Cresco



Public Open House Meetings: Cresco



Public Open House Meetings: Cresco



Canoe Creek Landowner Meeting with Seed Savers Exchange



Education & Outreach Plan

Organize outreach around proposed target audiences:

- Rural landowners and producers
- Urban community members and business owners
- Decision-makers and officials
- Youth and Students



Education & Outreach Plan

Coming Soon: RC&D Stormwater Demonstration & Education



Education & Outreach Plan



Landowner Neighborhood Meetings

- Farmer-to-farmer connections
- Creative new ideas
- ...and we know folks are interested!



And in other planning news...

MANAGING URBAN STORMWATER FOR CLEAN WATER AND FLOOD RESILIENCE



RAIN GARDEN



WETLAND



BIOSWALE



RAIN BARREL



NATIVE PLANTINGS



SOIL AMENDMENT



PERMEABLE PAVERS



STREAM BANK RESTORATION



PONDS



CURB CUTS



COMMUNITY POLICY



BUTTERFLY GARDENS



INFILTRATION TRENCH



TREE PLANTINGS



LAKES

- Emergency Response Meeting
- hosted by Luther College
- Decorah Community Planning
- Flood Mitigation Planning
- Flood Forecasting & River Gauges

....and more!



Questions?



Ross Evelsizer, Watershed Planner
ross@northeastiowarcd.org

Megan Buckingham, Watershed Outreach Coordinator
megan@northeastiowarcd.org

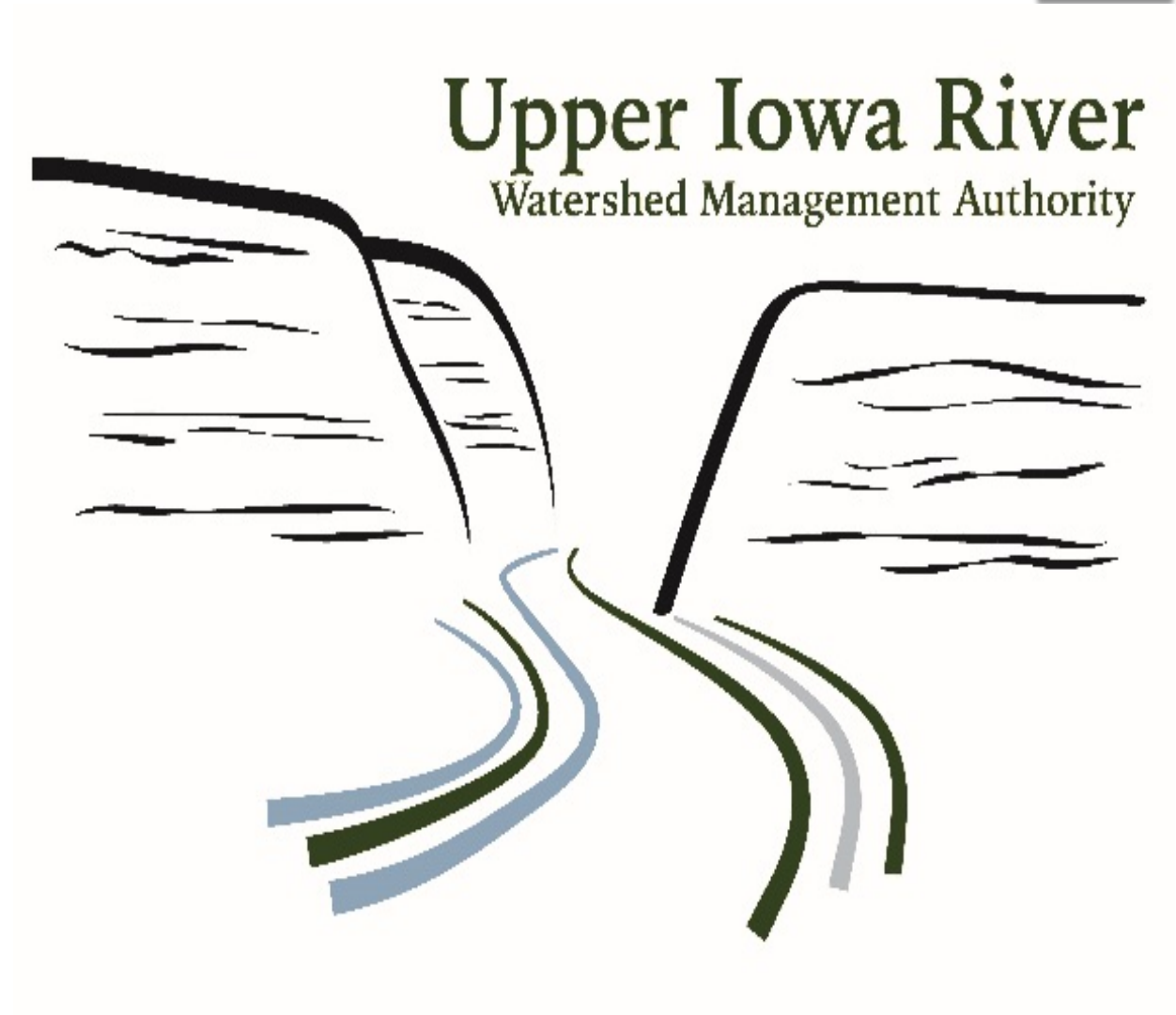
Tori Hartman, GIS Analyst & Project Technician
tori@northeastiowarcd.org



Project Coordinator Update

Matt Frana

February 15th 2018



Project Progress

- ▶ **Road Structures:**

- ▶ 3 sites surveyed by Winneshiek County Engineers. (4 total)

- ▶ **Private sites:**

- ▶ 4 more sites surveyed (5 total).
 - ▶ 2 preliminary design/estimates completed.

Project Progress

- ▶ **Have been in contact with several interested landowners:**
 - ▶ Creating spreadsheet list and folders for potential participants locations
 - ▶ 10+ sites to check out once weather changes.
- ▶ **Technician Update:**
 - ▶ Interviews complete...offer made.
- ▶ **Additional practices in the works:**
 - ▶ Waterways and prairie strips
 - ▶ Waterways and improved farming direction



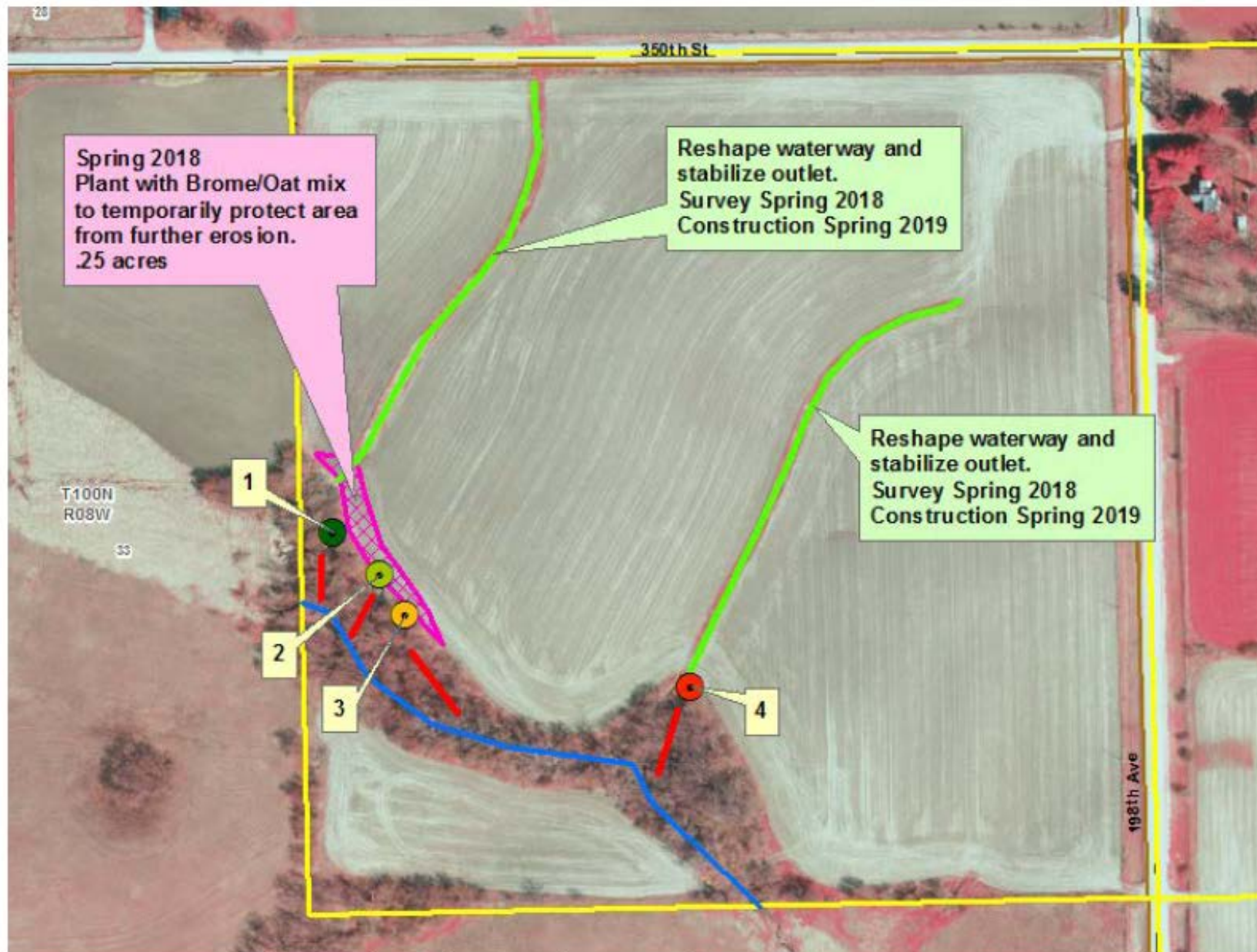


Figure 1: Priority Recommendations. Pink- Critical area to seed to grass; Numbers – erosion points; Green - waterways



Figure 5: Current Farming Direction

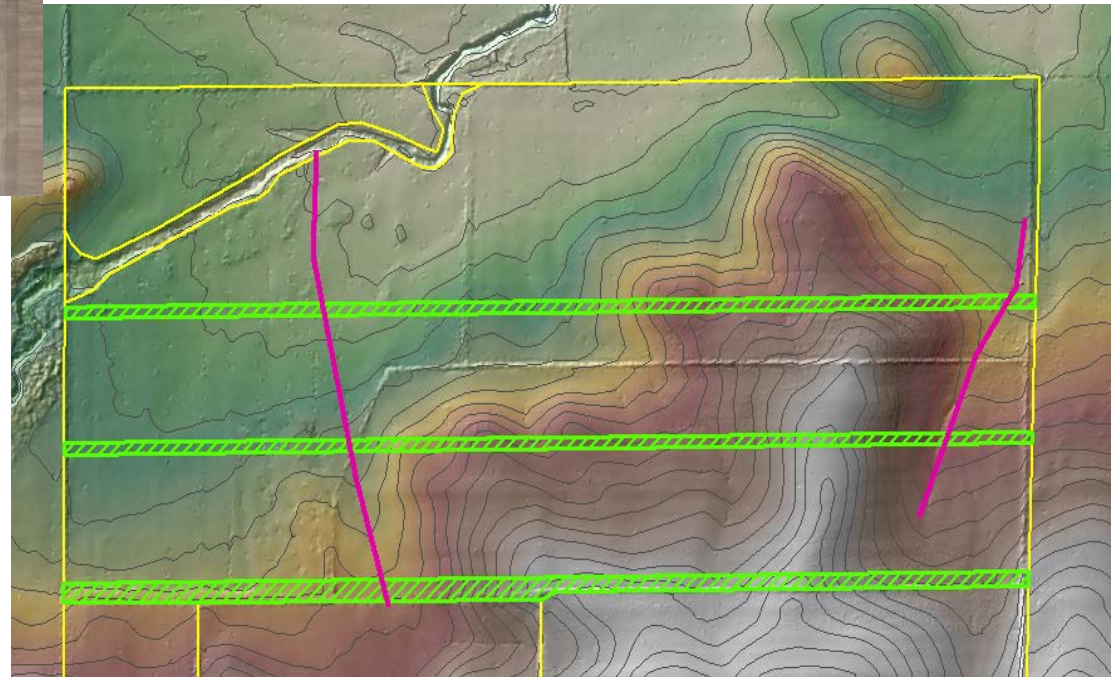


Figure 6: Blue = Recommended Farming Direction; Black = Contour lines;





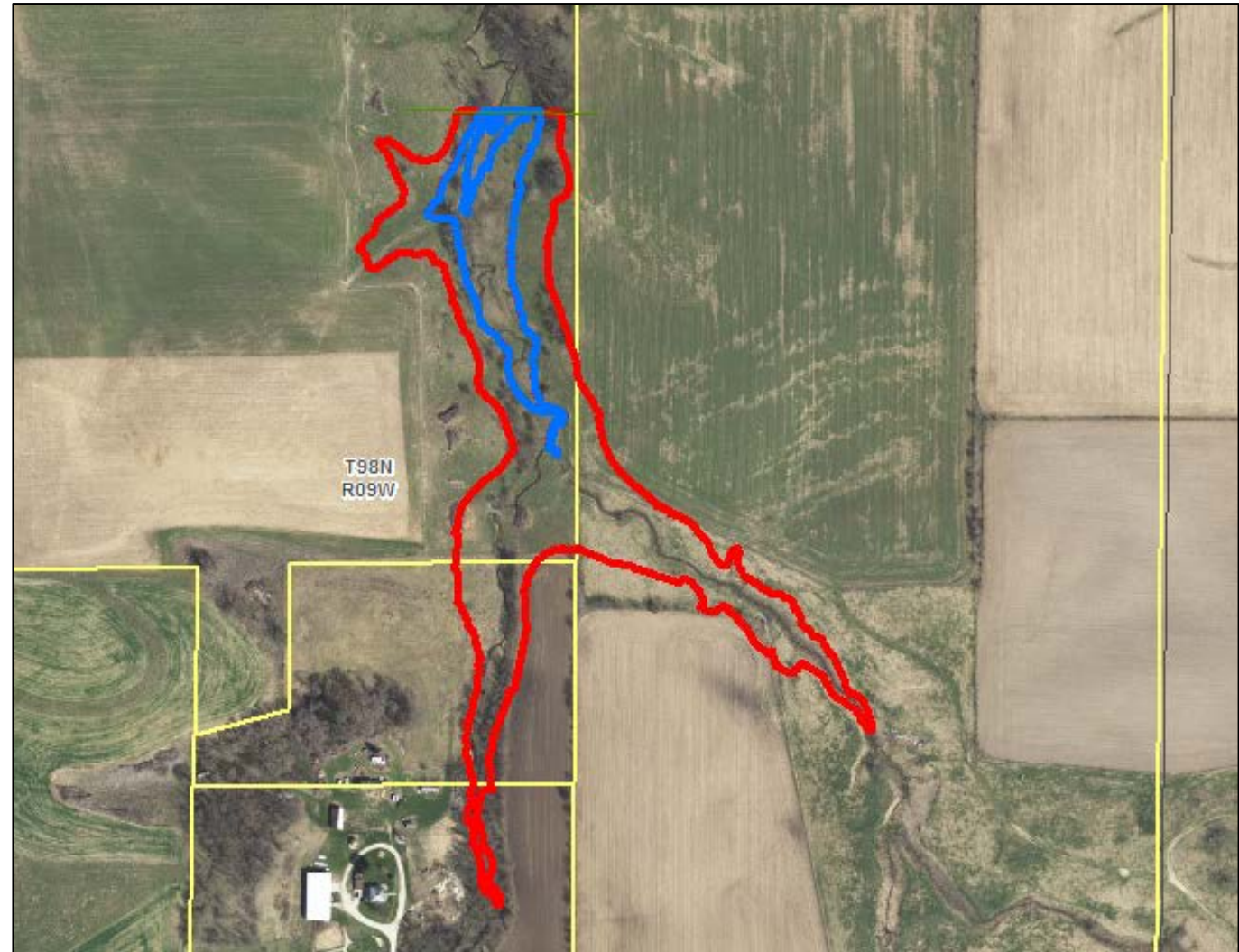
Pink – Waterways
Green – Prairie STRIPS



POND PLAN

Twp/Rng/Sec:

Permanent pool surface area	1.79 ac
Maximum pool depth with no excavation	14.0 ft
Cost (includes all fill, pipe and excavation costs)	\$54,993



Public Outreach

COVER CROP FIELD DAY

AGENDA

JAKE GROTH

Winneshiek Co. Farmer

RICK CRUSE

ISU Agronomy Professor

NEIL SASS

NRCS, Area Agronomist

MATT FRANA

Upper Iowa Watershed

TUESDAY, NOVEMBER 21, 2017
12:30M-2:30PM

Winneshiek Co. NRCS Office
2296 Oil Well Rd
Decorah, IA

Field Day is free, open to the public, and
includes a complimentary meal
RSVP to 563-382-8777 ext 3 or
Matt.Frana@ia.nacdnet.net

*Field Day Sponsors: Iowa Learning Farms, Upper Iowa Watershed Management
Authority, Winneshiek County Soil and Water Conservation District and Natural
Resources Conservation Service*

- ▶ Discussed soil conservation practices and the importance of soil health.
- ▶ **Presenter Jake Groth**
 - ▶ Started transitioning to no-till in 2010 and cover crops 2012
 - ▶ Trying a variety of cover crops and methods.
 - ▶ Great job of presenting what he has done, what works, what doesn't.



Public Outreach

- ▶ RC&D Upper Iowa River Watershed Open House Meetings:
 - ▶ Dorchester – 11/14/17
 - ▶ Decorah – 11/27/17
 - ▶ Cresco – 11/28/17
 - ▶ Seed Savers - 1/24/18
 - ▶ *More info in newspaper about conservation practices*
- ▶ Article in Winneshiek and Allamakee County SWCD newsletters

Additional

Future Plans:

- ▶ Iron out environmental review and cultural resources review process with current projects. Continue working towards completing projects.
- ▶ Present at Farm Bureau meeting – 3/12/18
- ▶ Continue to develop newsletter/webpage/Facebook page.

▶ **QUESTIONS?**