



THIS IS GOLD.

Will it stay in the field or move to a stream?

YOU DECIDE.

Fishers & Farmers
Partnership for the
Upper Mississippi
River Basin

**Healthy farms,
healthy fish,
healthy streams.**

National Fish Habitat Partnership Meeting
October 26, 2016
Heidi Keuler,
Fishers & Farmers Partnership Coordinator

FISHERS & FARMERS PUTS LANDOWNERS IN THE LEAD FOR BETTER FARMS & FISH HABITAT



WILLOW CREEK PASTURE WALK

Wednesday June 26, 2013 (2:00-3:30 PM)
Willow Creek Ranch
E5702 Spring Coulee Rd, Coon Valley, WI

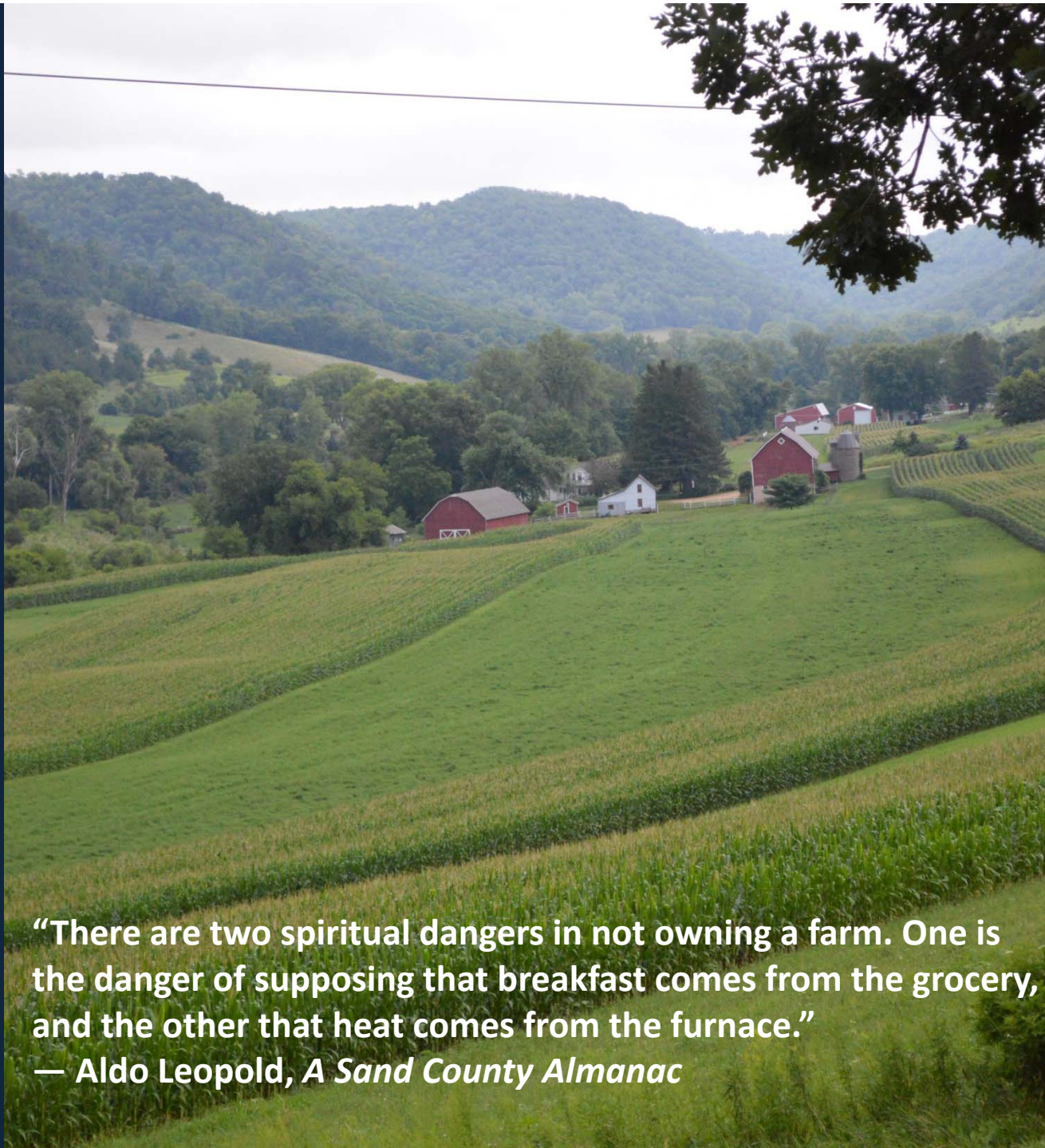


Dave Vetrano (retired WI DNR), Matt Mitro (WI DNR), Jeff Hastings (Trout Unlimited), & Rod Ofte, (Willow Creek Ranch Owner), will discuss how beneficial cattle are to stream enhancement.

Contact Heidi Keuler, Fishers & Farmers Partnership for more information
608-783-8417



Rod Ofte Willow Creek Ranch



“There are two spiritual dangers in not owning a farm. One is the danger of supposing that breakfast comes from the grocery, and the other that heat comes from the furnace.”

— Aldo Leopold, *A Sand County Almanac*



Wis-717



NATION'S FIRST WATERSHED PROJECT

This point is near the center of the 90,000 acre Coon Creek Watershed, the nation's first large-scale demonstration of soil and water conservation. The area was selected for this purpose by the U.S. Soil Conservation Service (then Soil Erosion Service) in October 1933. Technicians of the S.C.S. and the University of Wisconsin pooled their knowledge with experiences of local farm leaders to establish a pattern of land use now prevalent throughout the midwest. Planned practices in effect include improvement of woodlands, wildlife habitat and pastures, better rotations and fertilization, strip cropping, terracing, and gully and stream bank erosion control. The outcome is a tribute to the wisdom, courage and foresight of the farm families who adopted the modern methods of conservation farming illustrated here.

Erected 1955







Mission: support locally-led projects that add value to farms while restoring aquatic habitat & native fish populations.



Note: Alaska and Hawaii not to scale

*The Reservoir FHP is a system based partnership that covers reservoirs geographically across the country



National Fish Habitat Partnership

Strategy 1 – Identify & protect intact , healthy waters

Strategy 2 – Restore natural variability in river and stream flows

Strategy 3 – Reconnect fragmented river, stream habitat to allow access to historic spawning, nursery/rearing grounds

Strategy 4 – Reduce /maintain sedimentation, phosphorus and nitrogen runoff to river/stream habitats

Fishers & Farmers Partnership

Goal 1: Engage farmers & ranchers

Goal 2: Support Fish Habitat Projects

Goal 3: Continue development of long-term, basin-scale strategies

Goal 4: Strengthen the organization for long-term action

Fishers & Farmers Partnership for the Upper Mississippi River Basin

Fishers & Farmers Steering Committee



Iowa Department of Natural Resources
Iowa Soybean Association
Illinois Department of Natural Resources
Minnesota Department of Natural Resources
Minnesota Corn Growers Association
Missouri Department of Conservation
Missouri Agribusiness Association
Wisconsin Department of Natural Resources*
Wallace Pasture Project –Wisconsin*

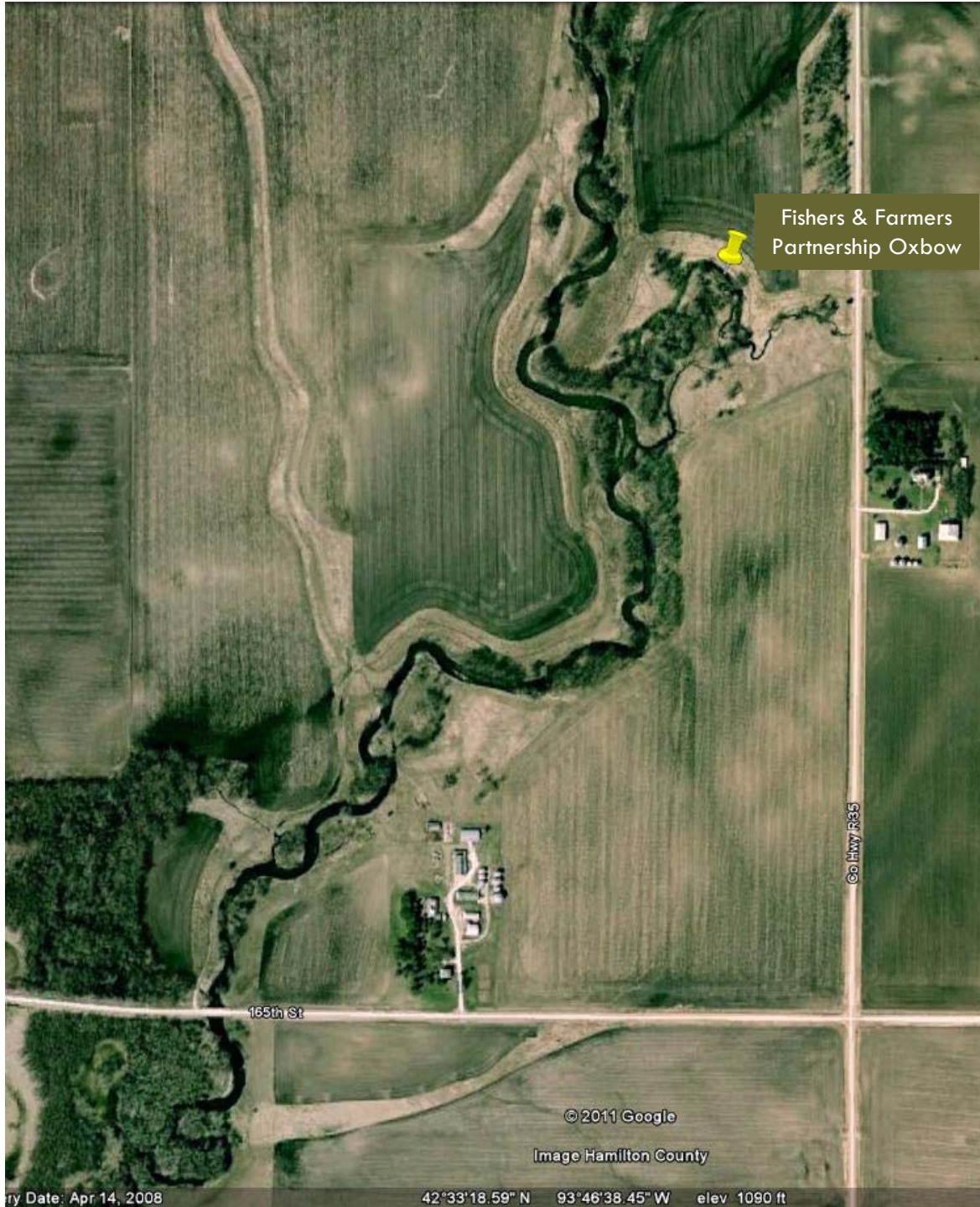
American Rivers
National Mississippi River Museum & Aquarium
Natural Resources Conservation Service
The Nature Conservancy
Trout Unlimited
Upper Mississippi River Conservation Committee
U.S. Geological Survey
U.S. Fish & Wildlife Service
U.S. Forest Service

WORKING TOGETHER FOR BETTER FARMS & FISH HABITAT



Fishers & Farmers Float the Mississippi near Hannibal, MO

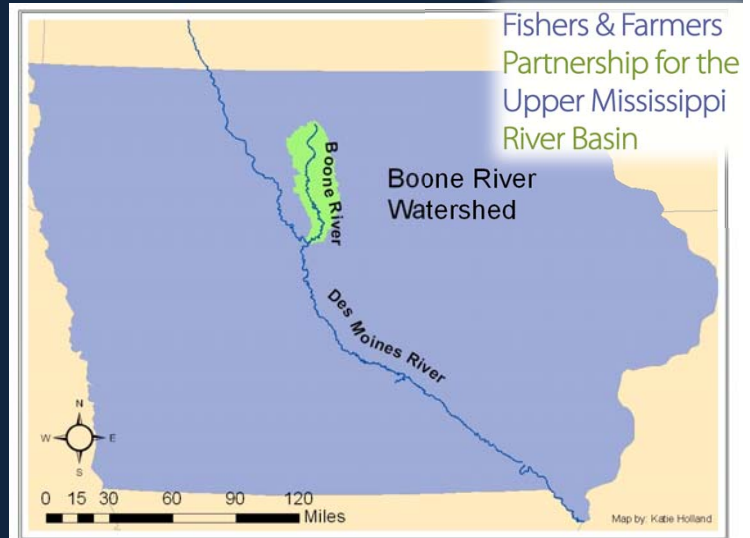




Oxbow Restoration Boone Watershed

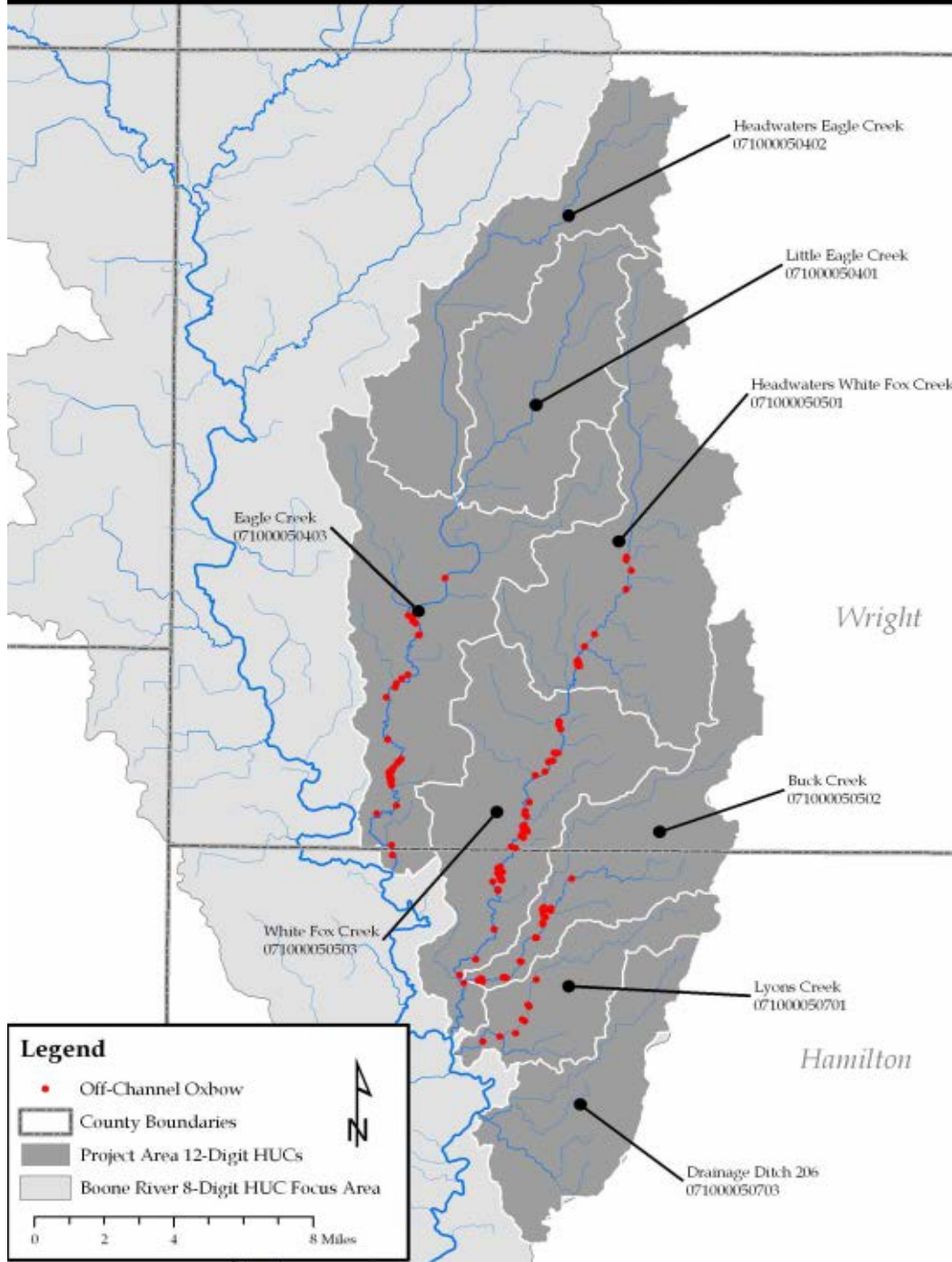


NFHP Waters to Watch

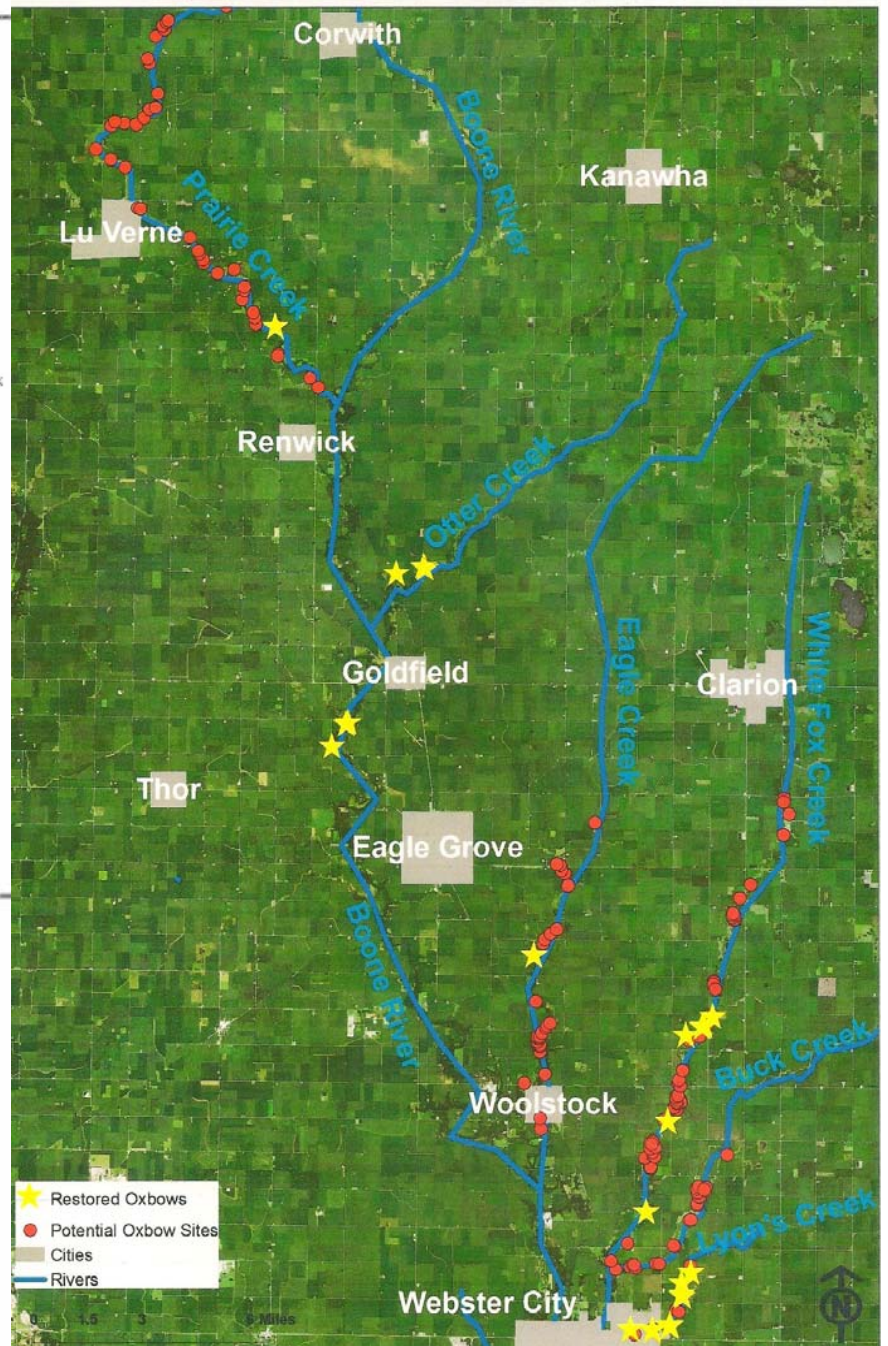




Boone River MRBI Focus Area - Off-Channel Oxbow



Boone River Watershed Oxbows







Fishers & Farmers GIS/Science Team

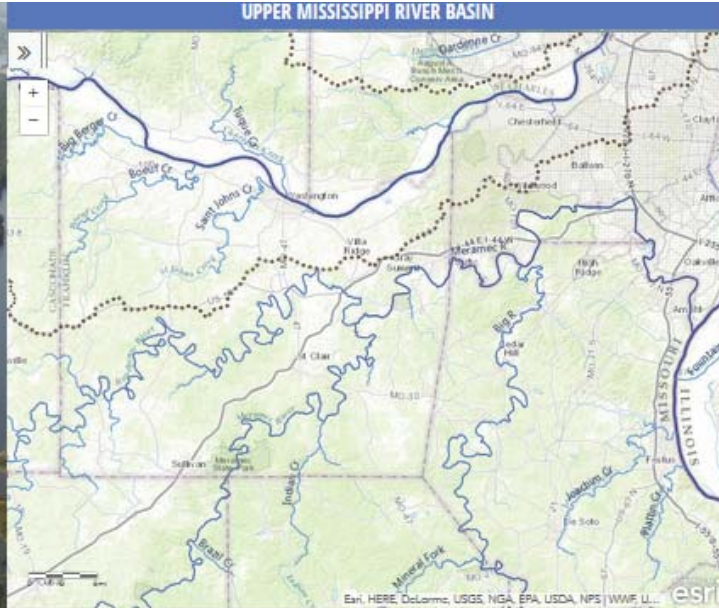
Under NRCS Funding :

- ✓ Coordinate/lead 2 Science Team Meetings, 1 organizational outreach meeting, 1 public outreach event
- ✓ Provide data Kickapoo Watershed Rapid Watershed Assessment
- ✓ Collect, analyze, organize, data development -Map books Fishers & Farmers Website
- ✓ Provide Periodic Progress Reports , Annual Accomplishment Report



Under the Fishers & Farmers Funding:

- ✓ Perform GIS analysis to help select focal areas using Downstream Strategies Fish Habitat Assessment/new layers (30 feature classes).
- ✓ Work with partners to find engaged landowners in the 5-state area and learn how to engage more.
- ✓ Comparison models created by EPA, MN DNR, D.S., GESHIA, LiDar & others to assist with prioritization.
- ✓ Facilitate implementation of Fishers & Farmers monitoring plan – biological & social.
- ✓ Website maps , data, story map.



On the map above, zoom in to see streams near your home.

The Basin...



- Is drained by **12 major tributaries** and **30,700 miles of streams**;
- Is inhabited by **30 million people**, 80% of whom live in urban areas;
- Is the only U.S. river system designated as both a **nationally significant navigation system** and a **nationally significant ecosystem**;
- Supports more than **11 million recreational trips** annually — more than most national parks, including Yellowstone;
- Has a landscape that is more than **60% cropland and pasture**.

Maps

Fishers & Farmers Partnership mapbooks are decision-making tools for land management. Files are large, so will take a few minutes to download.

- Iowa Fish Habitat Mapbook
- Illinois Fish Habitat Mapbook
- Minnesota Fish Habitat Mapbook
- Missouri Fish Habitat Mapbook
- Wisconsin Fish Habitat Mapbook



Farmer-Led Groups



How much farm land is leased?



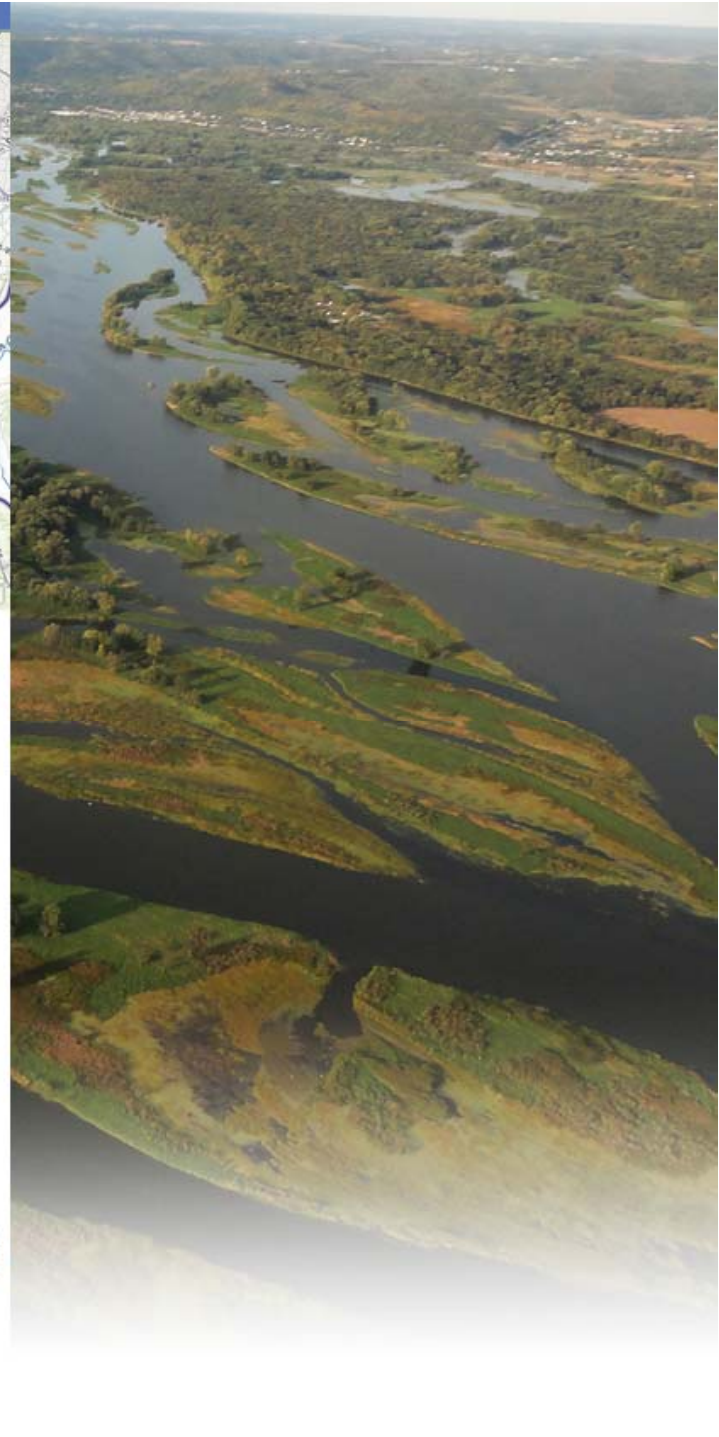
Where are the fish?
(Coming Soon)

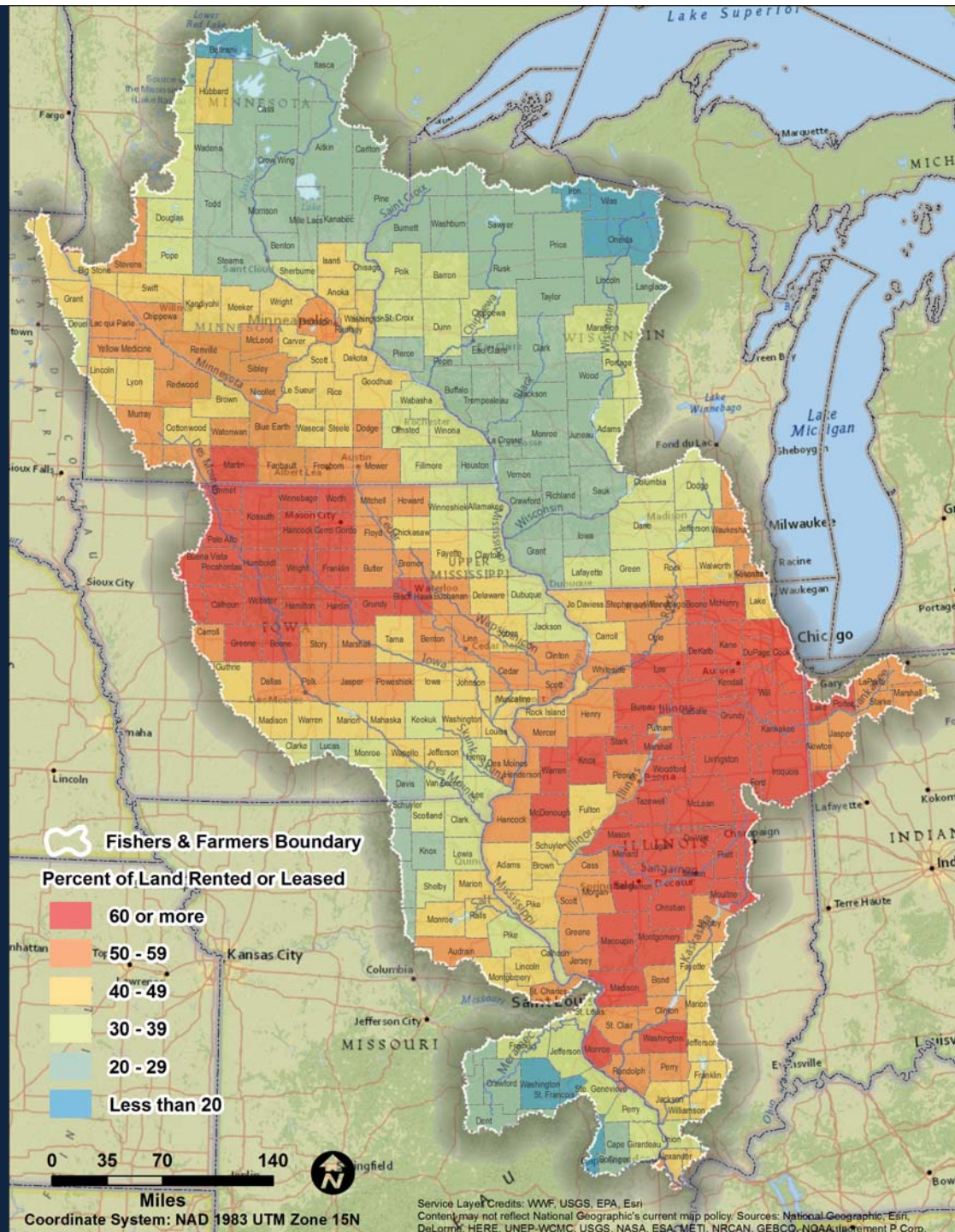


Land Cover



Erodibility







Fishers & Farmers Partnership Funded Projects

Fishers & Farmers Partnership for the Upper Mississippi River Basin

Our Mission

Healthy farms,
Healthy fish,
Healthy streams.

We strengthen local leadership and action in upper Mississippi river basin agricultural watersheds, so farms and fish thrive together.

Fishers & Farmers Partnership For the Upper Mississippi River Basin is a self-directed group of non-government agricultural and conservation organizations. tribal



Healthy fa...



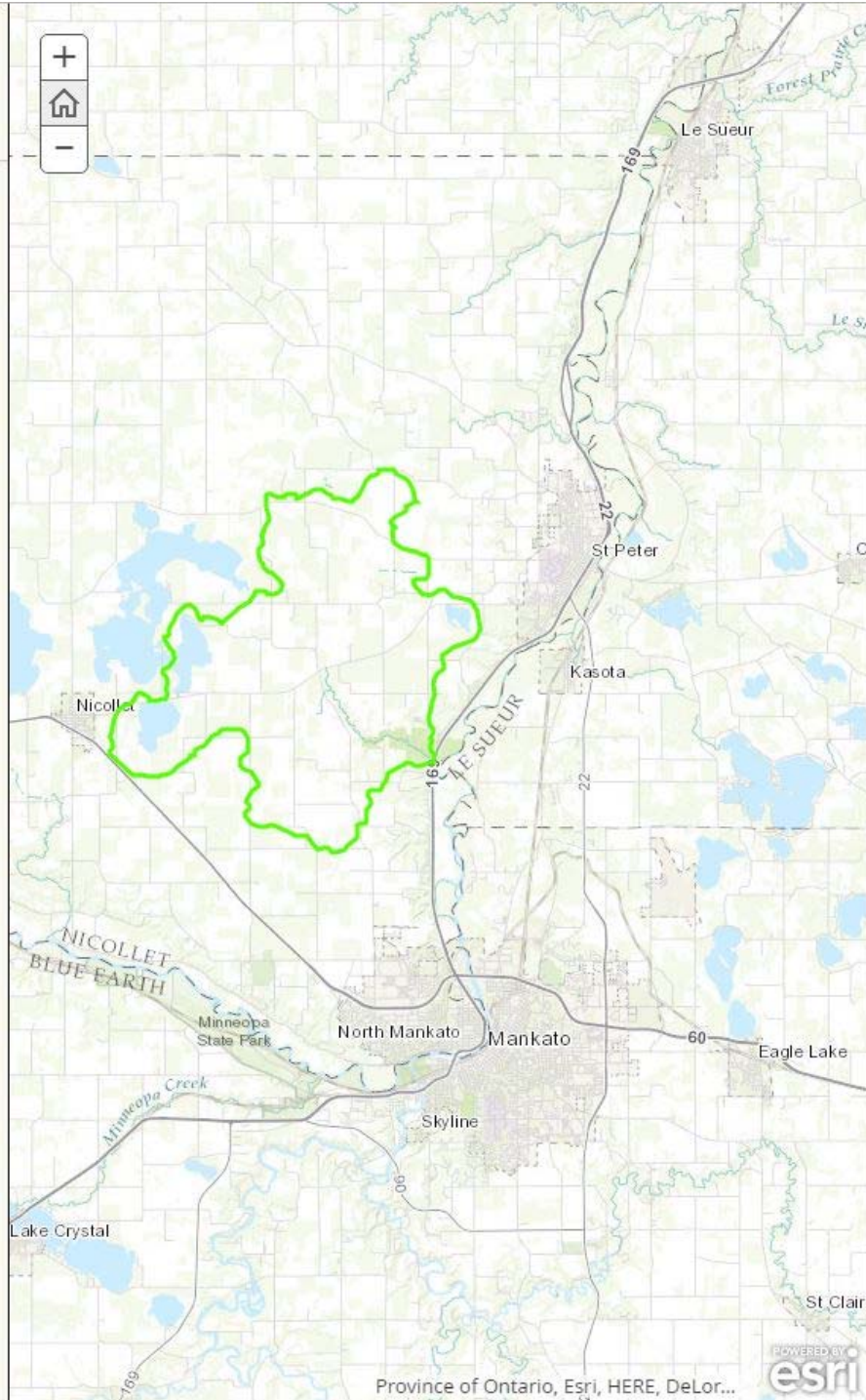
Fishers & Farmers Partnership Funded Projects

2015 | Seven-Mile Creek Watershed | Minnesota

Farmers and Nicollet Soil & Water Conservation District, NRCS, Great River Greening, and Minnesota DNR installing sediment control structures and other practices to reduce ravine erosion, sedimentation, and nutrients to creek.



Fishers & Farmers Partnership helped revive watershed restoration work in Nicollet County, Minnesota's Seven-Mile Creek Watershed in 2012, and has funded ravine stabilization work there. On Saturday, October 31 Nicollet County Soil & Water Conservation District and Great River Greening welcomed 40 volunteers to seed buffers and remove brush from ravines on private land near Seven-Mile Creek Park. Farm landowners and operators are building



Midwest Fish Habitat Partnership Fish Habitat Modeling Results
Fishers and Farmers Partnership

Model Summaries
 3/5/2012

Blacknose Shiner (*Notropis heterolepis*): Probability of Presence
 Golden Shiner (*Notemigonus crysoleucas*): Probability of Presence
 Smallmouth Bass (*Micropterus dolomieu*): Probability of Presence
 Brook Silverside (*Labidesthes sicculus*): Probability of Presence
 Species Richness



Authors
 Jason Clingerman, P
 Todd Petty, Aquatic
 Fritz Boettner, P
 Sally Letsinger,
 Jackie Strager
 Anne Herrel
 Evan Hano

Midwest Fish Habitat Partnership Fish Habitat Modeling Results
Regional Assessment

Model Summaries
 4/11/2012

Coldwater Guild: Probability of Presence
 Coolwater Guild: Probability of Presence
 Warmwater Guild: Probability of Presence



Authors
 Jason Clingerman, Aquatic Ecologist/Modeler – Downstream Strategies
 Todd Petty, Aquatic Ecologist – West Virginia University
 Fritz Boettner, Project Manager/GIS – Downstream Strategies
 Sally Letsinger, GIS – Geodata Basics
 Jackie Strager, GIS – West Virginia University
 Evan Hansen, Chief Scientist – Downstream Strategies

Project Monitoring Guidance

for



**Fishers and Farmers Partnership
 Habitat Restoration Project
 in the Upper Mississippi River Basin**



June 2012

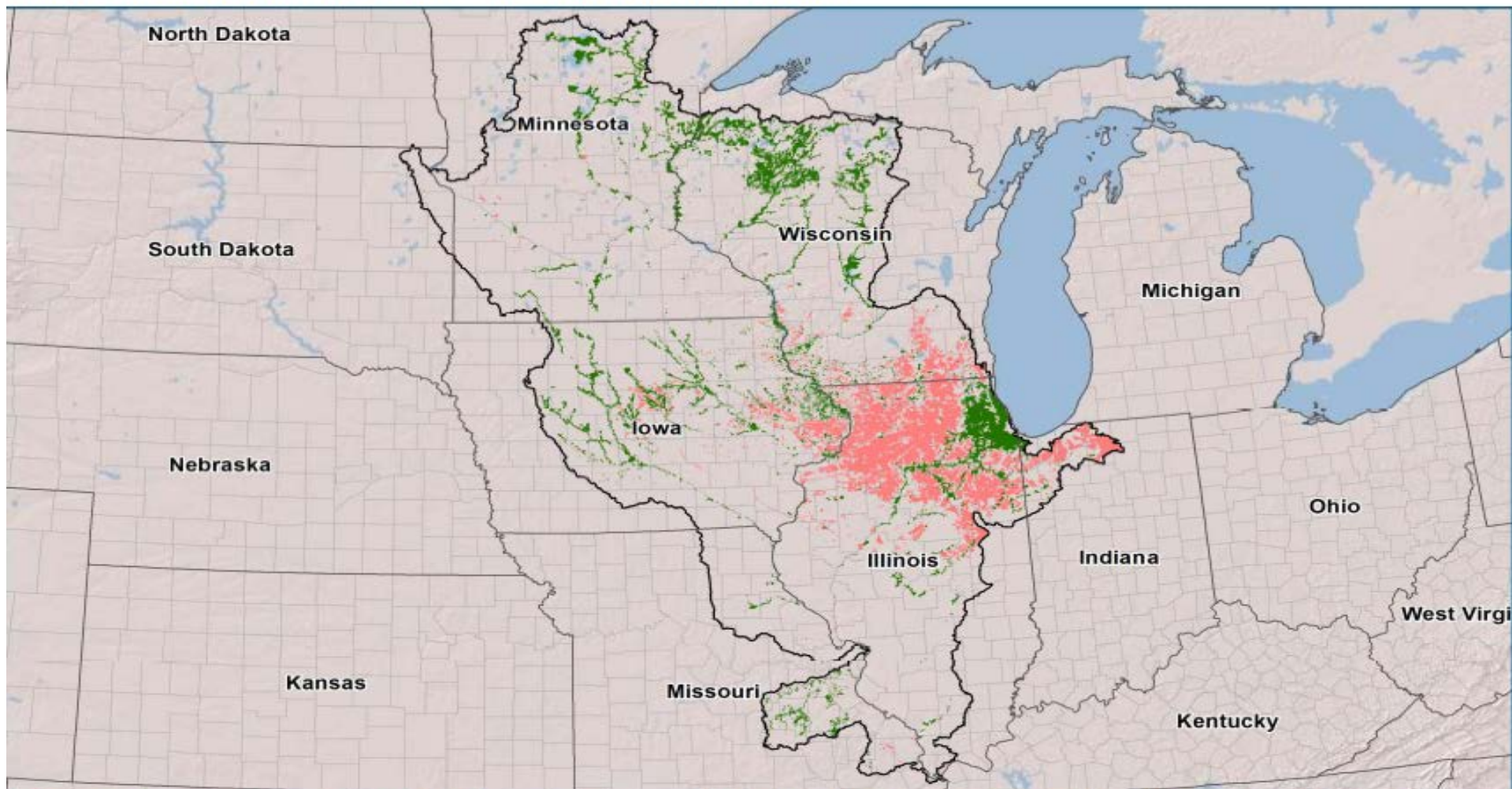


**Exploring relationships among land
 ownership, agricultural land use, and native
 fish species richness in the Upper Mississippi
 River Basin**

U.S. Department of the Interior
 U.S. Geological Survey

fishersandfarmers.org
midwestfishhabitats.org

Restoration and protection priorities for smallmouth bass in FFFHP.



Legend	Protection Priorities	FF boundary	Map Description: Protection and restoration priority example. Protection catchments were those where stress was low (CASI < 44.5) and natural habitat quality was high (CNQI > 25.6). Restoration lakes are those where stress and natural habitat quality were high (CNQI > 25.6, CASI > 59.4).	Midwest FHP Fish Habitat Assessment Fishers and Farmers FHP Smallmouth Bass Habitat Model Conservation Priorities Example
	Restoration Priorities			

0 25 50 100 150 Miles N



Babe Winkelman talks about the importance of fish habitat. Watch video below.
[Learn more](#)

Midwest Fish Habitat Partnership PSA 



0:00 / 2:59 

TYPES OF RESOURCES

[Map book \(33\)](#)
[Geodatabase \(11\)](#)
[Report \(7\)](#)

INFORMATION BY PARTNERSHIP

[Ohio River Basin Fish Habitat Partnership \(11\)](#)
[Fishers and Farmers Partnership \(9\)](#)
[Great Lakes Basin Fish Habitat Partnership \(9\)](#)
[Driftless Area Restoration Effort \(8\)](#)

[Home](#) » [Reports and data](#) » [Geodatabase](#)

Geodatabase

Great Plains Fish Habitat Partnership Geodatabase



[Great Plains Fish Habitat Partnership Geodatabase](#)
[Read more](#)

Ohio River Basin and Southeast Aquatic Resources Partnership Geodatabase



[Ohio River Basin and Southeast Aquatic Resources Partnership Geodatabase](#)
[Read more](#)

Midwest Glacial Lakes Partnership Geodatabase



[Midwest Glacial Lakes Partnership Geodatabase](#)
[Read more](#)



FISH HABITAT DECISION SUPPORT TOOL

VISUALIZATION

FUTURING

RANKING

[HOME](#) • [TUTORIALS](#) • [CASE STUDIES](#) • [METADATA](#) • [CONTACT](#) • [PRESS](#)

ABOUT THE TOOL

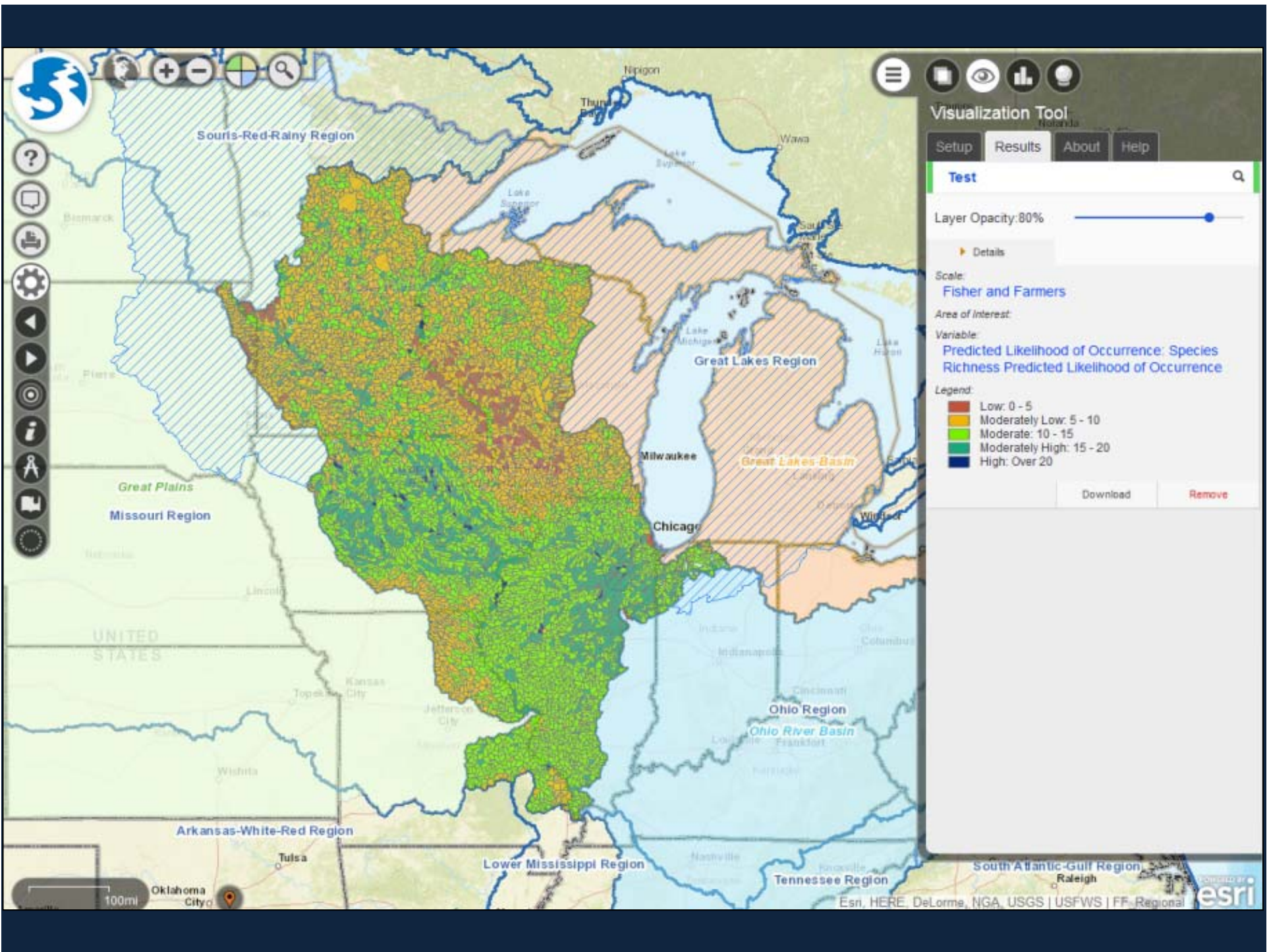
This tool was created with funding from the United States Fish and Wildlife Service to provide resource managers and the general public with access to the extensive spatial data and results produced from multiple fish habitat assessments.

Additional assessments performed under funding and guidance from the North Atlantic Landscape Conservation Cooperative and the Atlantic Coastal Fish Habitat Partnership are also included within the same web mapping application.

Three main analytical tools (visualization, ranking, and futuring) are combined with intuitive basemaps and mapping features to allow users to explore the details of the assessments and perform subsequent analyses.



CLICK
THE MAPS
TO USE
THE TOOL





Landowner Committee in Missouri



Meramec/ Bourbeuse Stream Protection

NFHP Waters to Watch









Ravine Stabilization











Ravine Workshop

Tuesday, April 8, 9 AM - 3 PM

Best Western Mankato

1111 Range Street, North Mankato, MN



Learn the Latest Science



Regional Case Studies



Restoration Practices



Get your questions answered

Sign up today

Everyone is welcome

Free Admission & Lunch

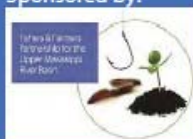
To Register: mnravines.org

Call: 507-389-2704

or 507-389-5307

Event fills with first 150 registrants.
This workshop is intended primarily for
landowners and local staff.

Sponsored by:



Coordinated by:



Draft Agenda

9-9:30 AM Networking & Coffee

9:30-10:15 Ravine Research - Patrick Belmont

10:15-11 Restoration Practices - Marty Melchior, Inter fluve

11-12 Regional Case Studies

12-1 PM Lunch

1 - 3 PM Workshop Sessions & Information Stations

(Learn more about grass waterway, surface inlet & berm
structures, wood-chip bioreactor and others)

Workshop Planning Committee:

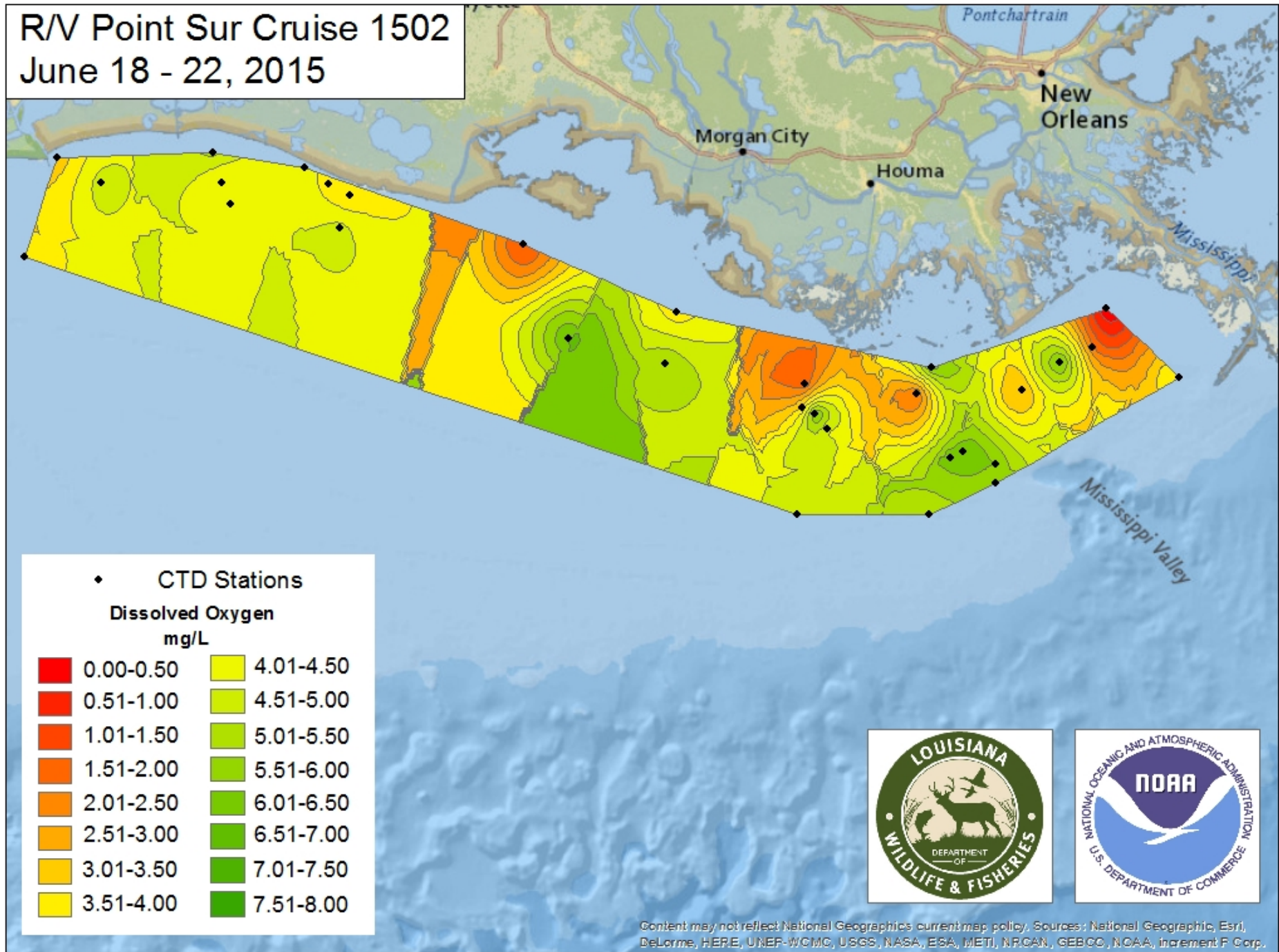
MAWRC, Minnesota Department of Natural Resources, Inter-fluve Inc.,
Blue Earth County SWCD, Scott County SWCD, United Ag Tech, Nettleywynnt Farm

For more information: mnravines.org



R/V Point Sur Cruise 1502

June 18 - 22, 2015



Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri, DeLorme, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, Inrament F Corp.

Nutrient Contribution to the Gulf of Mexico

Nitrogen

State	Percentage of Total Contribution
Illinois	16.8
Iowa	11.3
Indiana	10.1
Missouri	9.6

Phosphorus

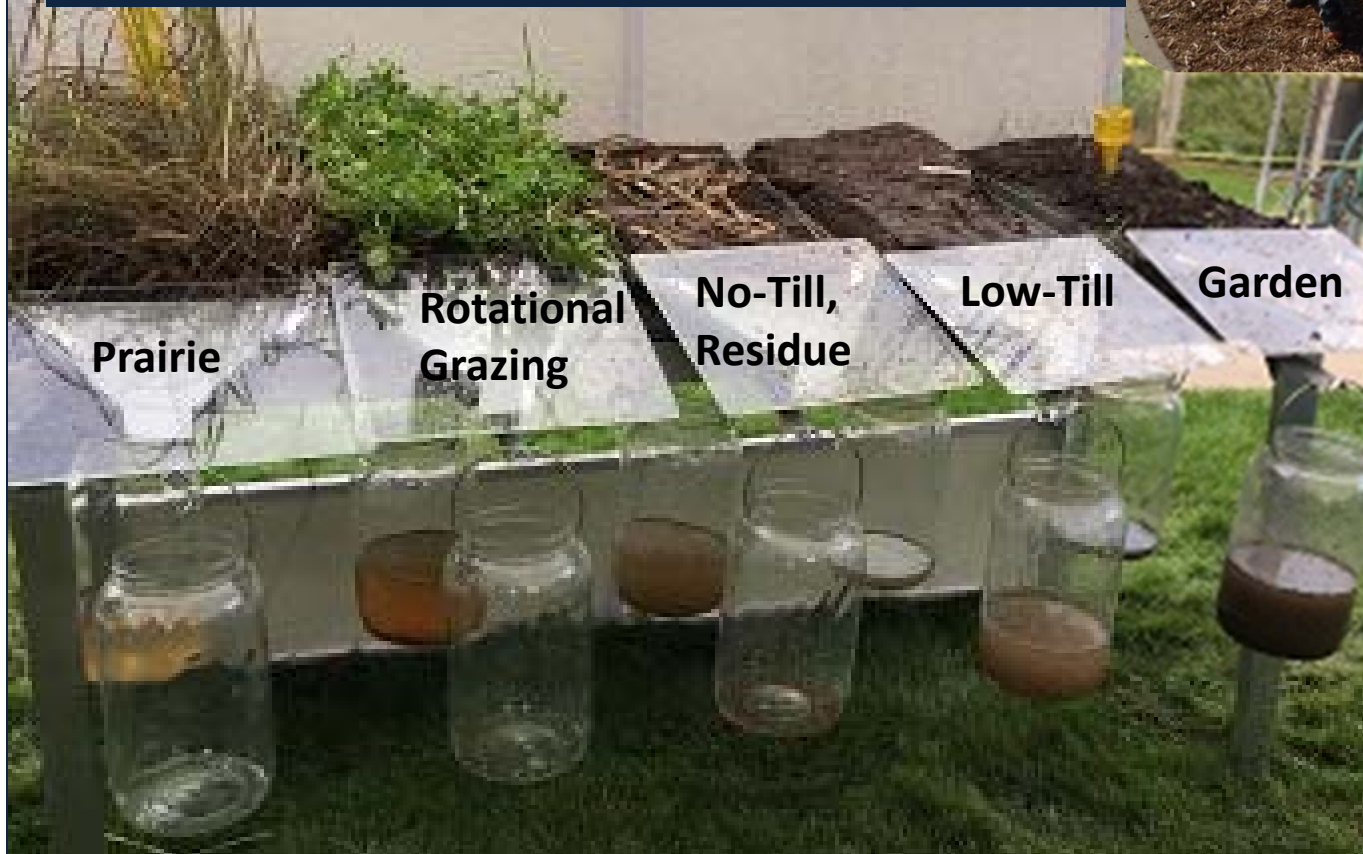
State	Percentage of Total Contribution
Illinois	12.9
Missouri	12.1
Iowa	9.8
Arkansas	9.6

U.S. Geological Survey, 2008. Differences in Phosphorus and Nitrogen Delivery to the Gulf of Mexico from the Mississippi River. Environmental Science & Technology, Vol. 32 No. 3.

Soil Health

"We don't have a runoff problem, we have an infiltration problem. Tillage is not our friend."

- Ray Archuleta



Using no-till, cover crops, & diverse rotations, more farmers are increasing soil organic matter & improving microbial activity. As a result, farmers are sequestering more carbon, increasing water infiltration, improving wildlife & pollinator habitat.

Healthy Soil Increases Water-Retention Capacity

- **2% OM** will hold 32,000 gallons of water or **21%** of a 10 year storm (5.5 inches)
- **5% OM** will hold 80,000 gallons of water or **53%** of a 10 year storm (5.5 inches)
- **8% OM** will hold 128,000 gallons of water or **85%** of a 10 year storm (5.5 inches)

Field Day in Peno Creek Watershed, MO









Buffers – Native Vegetation
Cover Crops
Soil Health
Ditching - Channelization
Naturally Reproducing Brook Trout

Multistate Conservation Grant FY13 Stakeholder Engagement Training



Missouri Department of Conservation Instructors:
Ange Corson – Stream Program Coordinator, Ron Reitz - Survey Coordinator,
Eric Rahm – Stream Biologist





Watershed Leaders Network

Skills and connection for farming neighbors, ag landowners, and local coordinators who want to do and lead for healthy watersheds

Across the Upper Mississippi River Basin farmers and farm landowners are finding ways to evolve practices for long-term productivity and healthier fish and streams. Among those are local collaborators who've connected to identify erosion and nutrient sources, choose and implement solutions on their own farms, and share what they're doing with neighbors.

In 2016 and 2017 Fishers & Farmers Partnership will engage 15 people from five Iowa, Illinois, Minnesota, Missouri, and Wisconsin watersheds in two two-day workshops. Participants will:

- Learn from each other through relaxed, facilitated conversation;
- Meet local watershed leaders;
- Participate in watershed project site visits;
- Participate in communications and organizational skill building activities;
- Learn from technical experts.

Project goals are:

- Strong personal and regional connections;
- Effective implementation of best management practices by participants;
- Confident farmer/landowner leaders and successful local groups;
- New norms on the landscape.

Participants also provide feedback so Watershed Leaders Network activities are relevant and helpful to future participants.

A pre-formatted website news page is provided to each participating group for local outreach. Pages are hosted on the Fishers and Farmers' website. Direction and support are provided to local site managers.

WHAT & WHEN

- Two 2-day workshops 2016 & 2017
- Scheduled during farming off-seasons

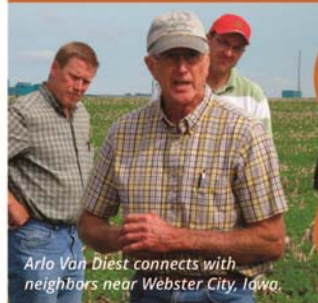
COMMITMENT

- 2 workshops | 3 days each including travel
- Fully participate, including post-event feedback for program development
- Local group provides photos and start-up content for its page at fishersandfarmers.org
- Local group posts photos, stories, or activity information occasionally, with Partnership support

COST

- Program, food, housing and travel paid by Fishers & Farmers Partnership
- \$100 refundable commitment fee per person

FIND NATURAL WAYS TO ACT FOR HEALTHY STREAMS, FISH, AND FARMS.



Arlo Van Diest connects with neighbors near Webster City, Iowa.

Do.

Agricultural Best Practices

Arlo and Claudia Van Diest and business partner Jim Larson use strip-till practices on all farmed acres, host field tours, and help neighbors try strip-till. As a result, several neighbors now strip-till with their own equipment on 100% of their land. When Van Diest Farms purchased a new 16-row strip-till unit, the old 1992 DMI 5310 16-row unit became a loaner to encourage more neighbors to experience strip-till on their land.

Lead.

Local Leadership

"Selling's never been my bag," says Arlo, "but I'm over 70 and I guess if we're going to make a difference it's time to speak up. I'm enthused about what's happening in our little corner of the world. East of town there's a stream, a tributary of the Boone River that's impaired. It's small enough that if we can get enough people to adapt practices, we can make a difference. There's less runoff than there used to be. Our goal is to have testing show that our actions make a difference."



SELECTED WATERSHEDS AND LEADERS

Boone River Watershed Project, Des Moines River Basin, Iowa
Farmers Of Mill Creek Watershed, Wisconsin River Basin, Wisconsin
Hewitt Creek Watershed Project, Maquoketa River Basin, Iowa
Indian Creek Watershed Project, Illinois River Basin, Illinois
Jo Daviess County Water Partnership, Galena River Basin, Illinois
Kickapoo River Watershed Initiative, Kickapoo River Basin, Wisconsin
Le Sueur River Watershed, Minnesota River Basin, Minnesota
Lime Creek Watershed Project, Cedar River Basin, Iowa
North Fork Salt River, Salt River Basin, Missouri
Peno Creek Watershed, Salt River Basin, Missouri
Root River Field To Stream Partnership, Root River Basin, Minnesota
Seven Mile Creek Watershed Project, Minnesota River Basin, Minnesota
Yahara Pride Farms, Yahara River Basin, Wisconsin

WATERSHED LEADERS NETWORK



ACTION RESOURCES

Surf Your Watershed

U.S. EPA | Enter zip code for water assessments, data, and groups at work in your watershed
[Ag Site Assessment Tool](#) | Generate a report on your land and its surroundings

Agricultural Practices

[Best Management Practices](#) | Clean Water Iowa
[Iowa Learning Farms](#) | Iowa State University Extension
[Best Management Practices](#) | Illinois Council On Best Management Practices
[Agricultural Best Management Practices Handbook For Minnesota](#) | Minnesota Department Of Ag
[Nitrogen Fertilizer Best Management Practices](#) | Minnesota Department Of Agriculture
[Private Landowner Network](#) | Encyclopedic resource for conservation of private lands
[Soil & Water Conservation Districts \(SWCD\)](#) | Illinois
[Soil & Water Conservation Districts \(SWCD\)](#) | Iowa
[Soil & Water Conservation Districts \(SWCD\)](#) | Minnesota
[Soil & Water Conservation Districts \(SWCD\)](#) | Missouri
[Soil & Water Conservation Districts \(SWCD\)](#) | Wisconsin

Grazing

[Grassworks](#)
[Wallace Pasture Project](#)
[Iowa Forage & Grassland Council](#)
[Minnesota Grazing Lands Conservation Association](#)
[Missouri Forage & Grassland Council](#)
[Illinois Grazing Lands Conservation Initiative](#)
[Practical Farmers Of Iowa](#)
[Dairy Grazing Apprenticeship](#)
[School For Beginning Dairy & Livestock Farmers](#) | University Of Wisconsin
[Illinois Grazing Manual](#) | NRCS Illinois

2011

AFWA Multistate	\$150,000 (Midwest 7 FHP Assessments)
	\$38,500 (Absentee Landowner report)
PPP LCC**	\$115,700 (FFP Science Team Monitoring)
More Fish	\$10,000 (Website, strategic plan)
Stry Foundation	\$10,000 (FFP Communications)
USGS	\$4,140 (FFP Communications/website)
MN DNR	\$10,000 (FFP Coordinator)
IA DNR	\$10,000 (FFP Coordinator)
MDC	\$8,000 (FFP Coordinator)
UMRCC	\$2,000 (FFP Coordinator)
<u>ISA</u>	<u>\$5,000 (FFP Coordinator)</u>
Total	\$373,340

<u>2012</u>	MN DNR	\$10,000 (FFP Coordinator)
	IA DNR	\$10,000 (FFP Coordinator)
	MDC	\$8,000 (FFP Coordinator)
	<u>ISA</u>	<u>\$5,000 (FFP Coordinator)</u>
	Total	\$33,000

<u>2013</u>	AFWA	\$50,000 (Workshops-Help build capacity)
	MN DNR	10,000 (FFP Coordinator)
	IA DNR	\$10,000 (FFP Coordinator)
	<u>MDC</u>	<u>\$8,000 (FFP Coordinator)</u>
	Total	\$78,000

<u>2014</u>	AFWA	\$40,000 (Engage Landowners)
	MN DNR	\$10,000 (FFP Coordinator)
	<u>MDC</u>	<u>\$8,000 (FFP Coordinator)</u>
	Total	\$58,000

<u>2015</u>	AFWA	\$40,000 (Landowner Guide)
	NRCS	\$28,000 (GIS/Science Data)
	MN DNR	\$10,000 (FFP Coordinator)
	IA DNR	\$5,000 (FFP Coordinator)
	<u>MDC</u>	<u>\$8,000 (FFP Coordinator)</u>
	Total	\$91,000

<u>2016</u>	MN DNR	\$10,000 (FFP Coordinator)
	IA DNR	\$ 5,000 (FFP Coordinator)
	MDC	\$ 8,000 (FFP Coordinator)
	McKnight	\$ 80,000 (WLN Workshops)
	Schmidt FF	\$ 10,000 (Outreach)
	<u>Anonymous\$</u>	<u>250 (SC Polos)</u>
	Total	\$113,250

**NFHP Funding has ranged from \$90,000 - \$150.
We've been as high as a Level II.
FY14 funded 6 projects at \$142,000.
Last year we went to base funding.**

Science-based Trials of Rowcrops Integrated with Prairie Strips

- Planting just 10% of a row-cropped watershed in native prairie, strategically located on the contours and foot slope, reduces sediment transport by 95% compared to cropland without prairie strips.
- Prairie strips protect water quality, reducing overland flow by 60% and nitrogen and phosphorus transport by 90%.

Funding Opportunities: Pollinator Projects, Private Lands

A Landowner's Guide to Prairie Conservation Strips



What are prairie conservation strips?

Prairie conservation strips are a tool for improving the function and integrity of row-cropped farms. Researchers at STRIPS (Science-based Trials of Rowcrops Integrated with Prairie Strips) have found that strategically planting small patches and strips of native prairie in farmland provides multifunctional benefits disproportional to the amount of land converted. In other words, small patches make a big difference.

LEARN MORE about the STRIPS project: www.prairiestrips.org



How will prairie strips improve my farmland's health?

Prairie strips keep vital soil resources in crop fields. Planting just 10% of a row-cropped watershed in native prairie, strategically located on the contours and foot slope, reduces sediment transport by 95% compared to cropland without prairie strips. Deep-rooted prairie plants increase soil organic matter and improve infiltration, while their stiff, upright stems slow surface runoff and help hold soil in place during rain events. Prairie strips protect water quality, reducing overland flow by 60% and nitrogen and phosphorus transport by 90%. They have no impact on crop yield other than the land taken out of production. Healthy soil and clean water provide environmental benefits that protect the future of Iowa agriculture.

READ *A Targeted Conservation Approach for Improving Environmental Quality* for more about protecting environmental benefits: www.extension.iastate.edu/Publications/PMR1002.pdf



How do prairie strips increase biodiversity?

Small prairie strips increase the diversity of plants, insects, songbirds and wildlife in the watershed. Researchers documented a 380% increase in native plant species in cropland planted with prairie strips compared to entirely cropped watersheds. Prairie plants provide year-round habitat and food for beneficial insects, which provide pollination services and prey upon crop pests. Insect diversity in cropland with prairie strips equals that of nearby prairie restorations. Prairie strips also offer habitat to songbirds and wildlife, increasing the land's economic potential as a site for hunting and birdwatching. Greater numbers and species of birds are consistently found in agricultural fields with small patches of prairie, including some species of statewide conservation concern, such as the field sparrow, dickcissel and eastern meadowlark. Studies have found that even small patches of grassland habitat within row-cropped landscapes, especially if several patches are present, can play a big role in maintaining these species.



REVISED November 2014



Fishers & Farmers
Partnership for the
Upper Mississippi
River Basin



“We abuse land because we regard it as a commodity belonging to us. When we see land as a community to which we belong, we may begin to use it with love and respect.” — Aldo Leopold

Robert Hurt

FishersandFarmers.org