



Privately-Owned Wetlands Improve Water Quality In The Mid-South

Scott Manley

Ducks Unlimited - Director of Conservation Programs





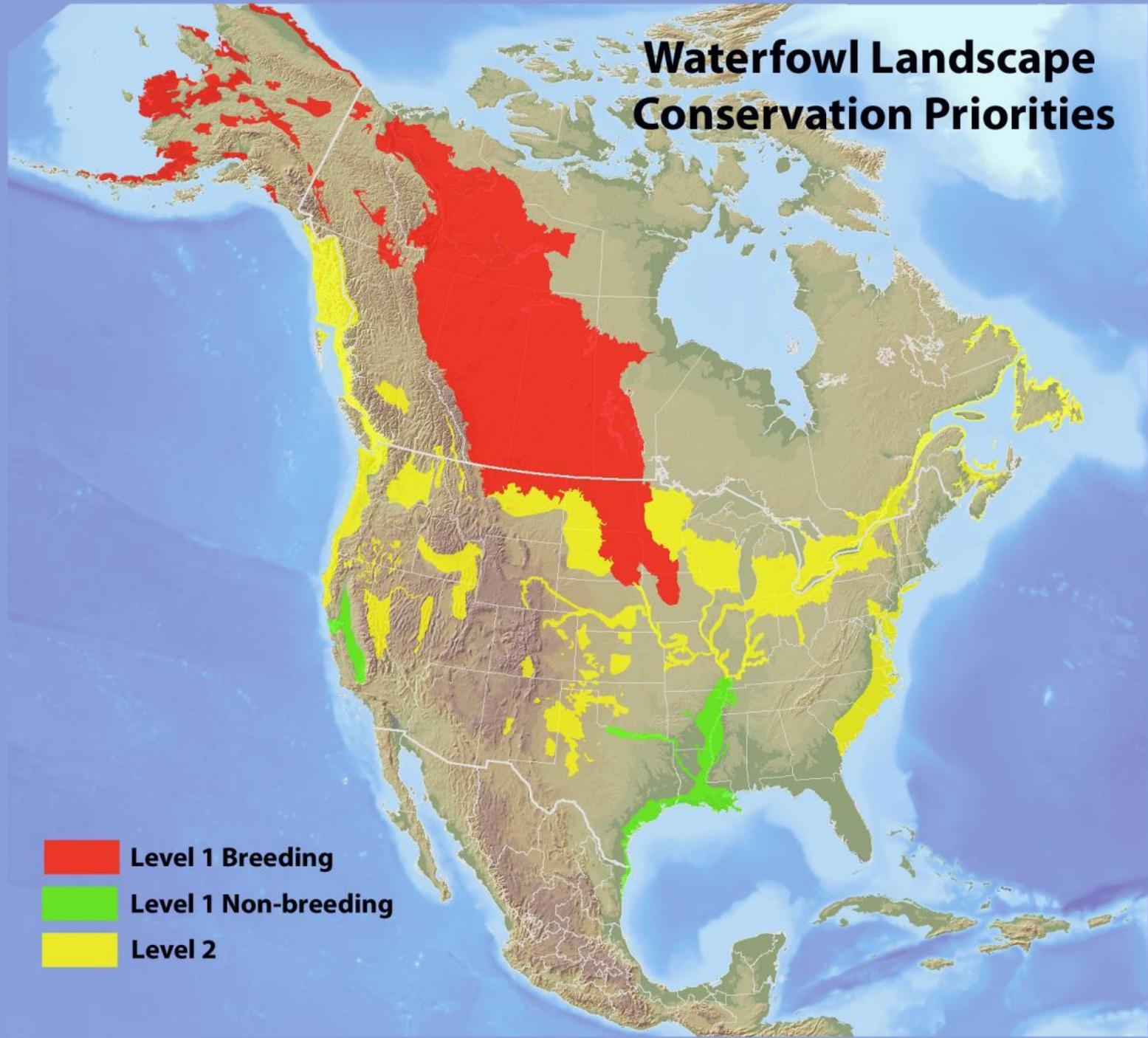
OUR MISSION

*We conserve, restore, and manage wetlands and associated habitats
for North America's waterfowl.*

These habitats also benefit other wildlife and people.

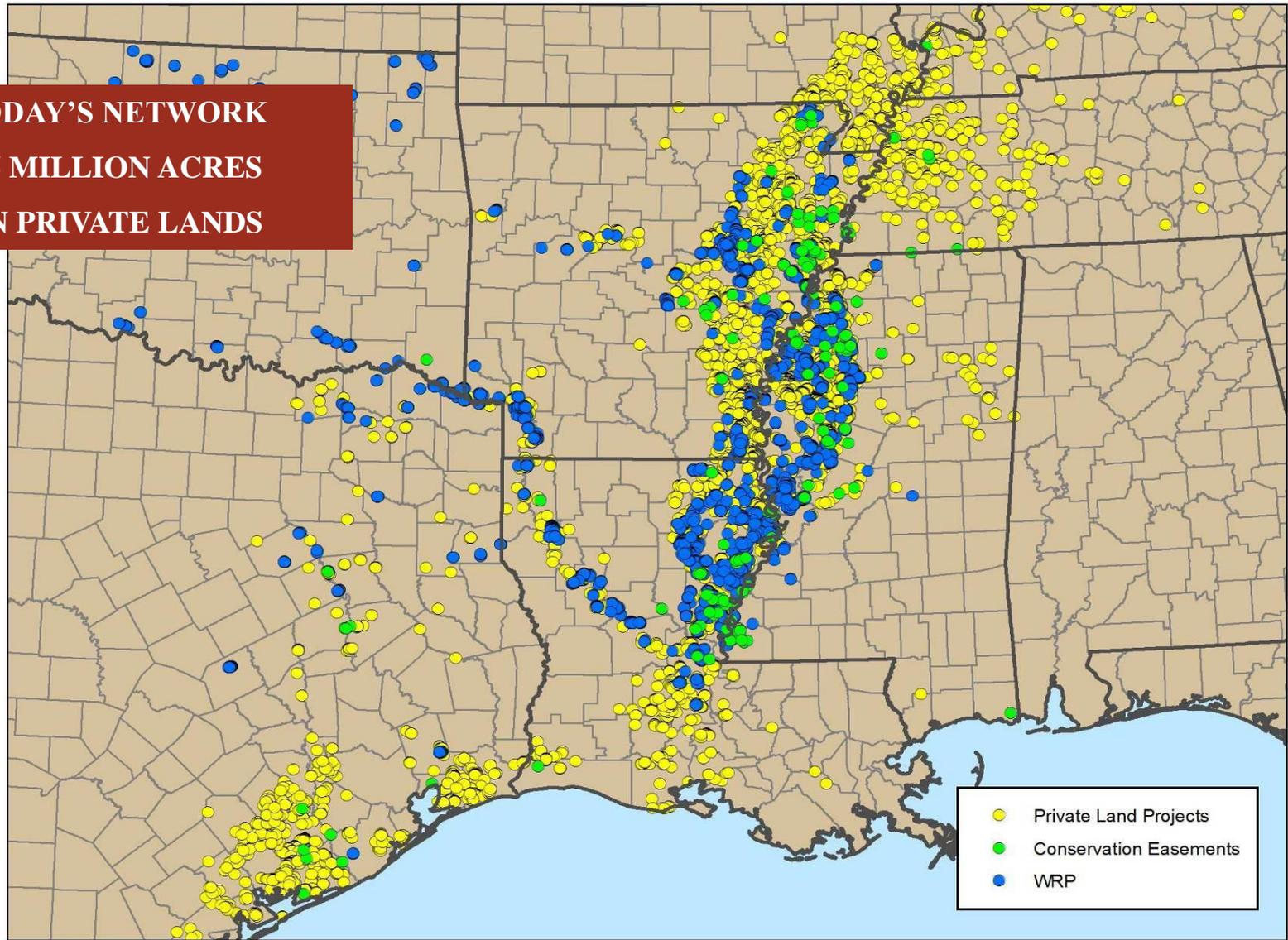
Waterfowl Landscape Conservation Priorities

-  Level 1 Breeding
-  Level 1 Non-breeding
-  Level 2





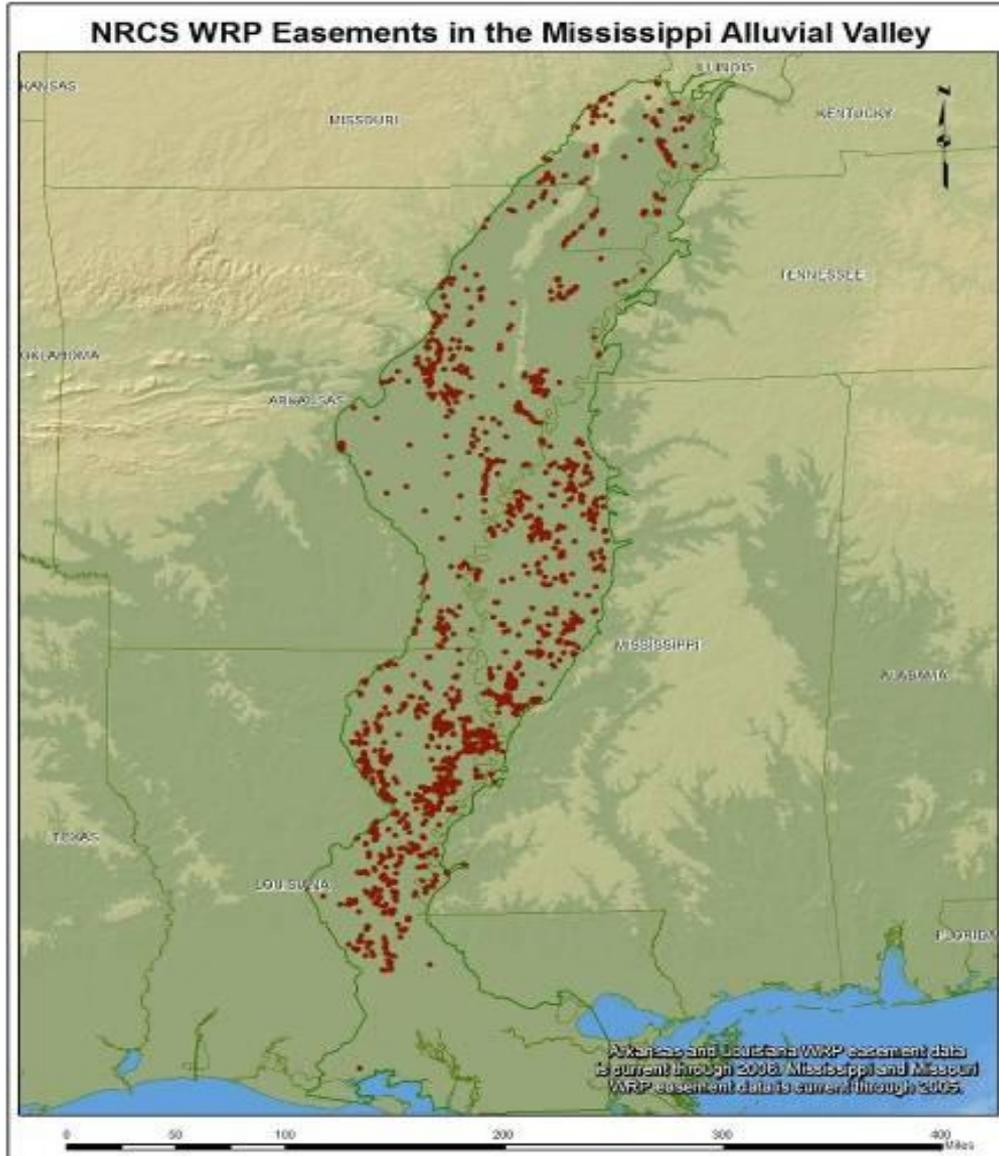
**TODAY'S NETWORK
2.5 MILLION ACRES
ON PRIVATE LANDS**





Wetland Reserve Program





*Approximately 750,000
Protected & Restored*



**U.S. GEOLOGICAL SURVEY
NATIONAL WETLANDS RESEARCH CENTER
FINAL REPORT**

**REGIONAL ESTIMATES OF ECOLOGICAL SERVICES DERIVED FROM U.S.
DEPARTMENT OF AGRICULTURE CONSERVATION PROGRAMS IN THE
MISSISSIPPI ALLUVIAL VALLEY**

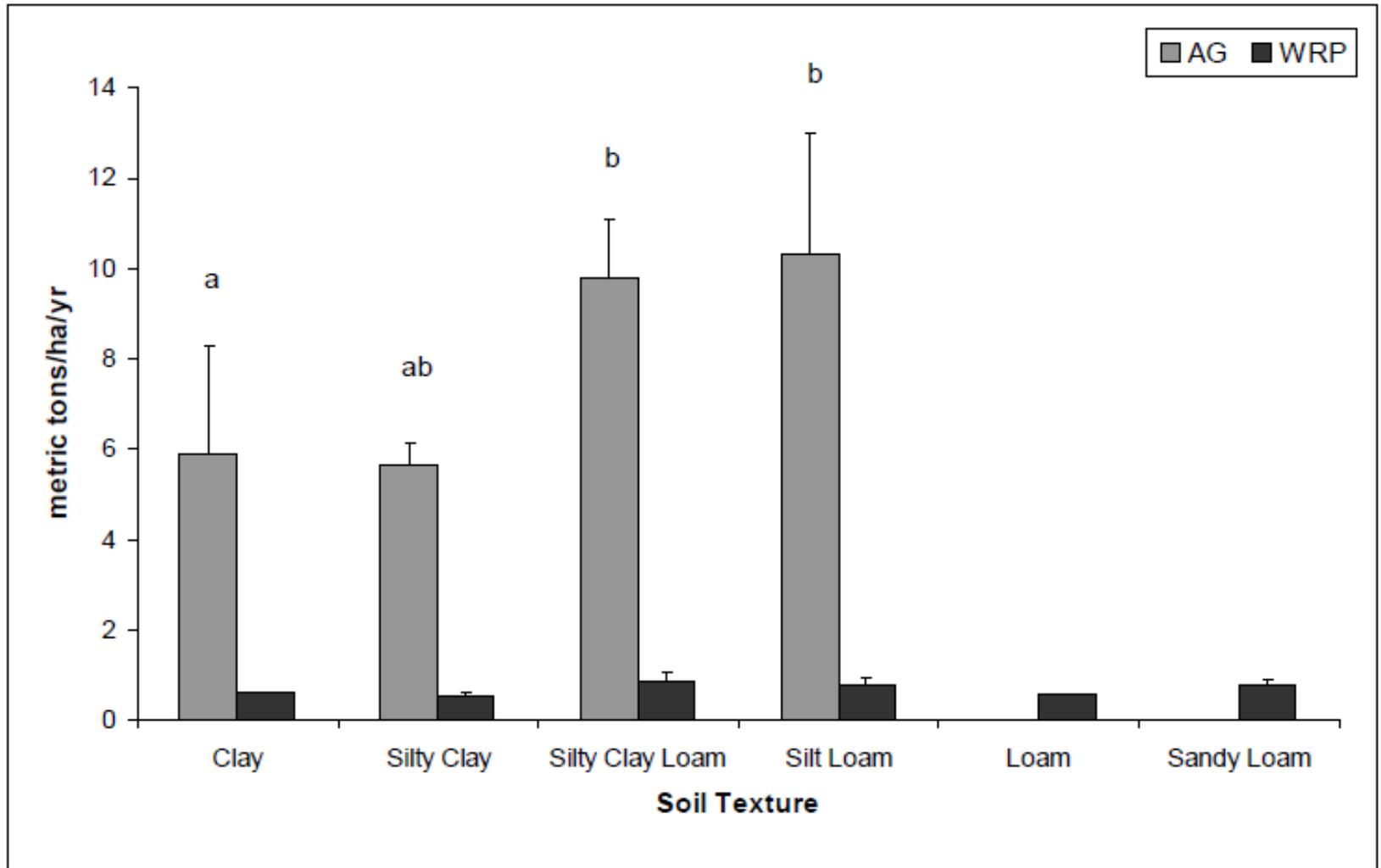
Stephen Faulkner, Michael Baldwin, Wylie Barrow, Hardin Waddle, Bobby Keeland, Susan Walls, Dale James, and Tom Moorman

**ECOSYSTEM SERVICES FROM MOIST-SOIL WETLANDS
IN THE MISSISSIPPI ALLUVIAL VALLEY**

Amy B. Alford, Ph.D. candidate
Mississippi State University

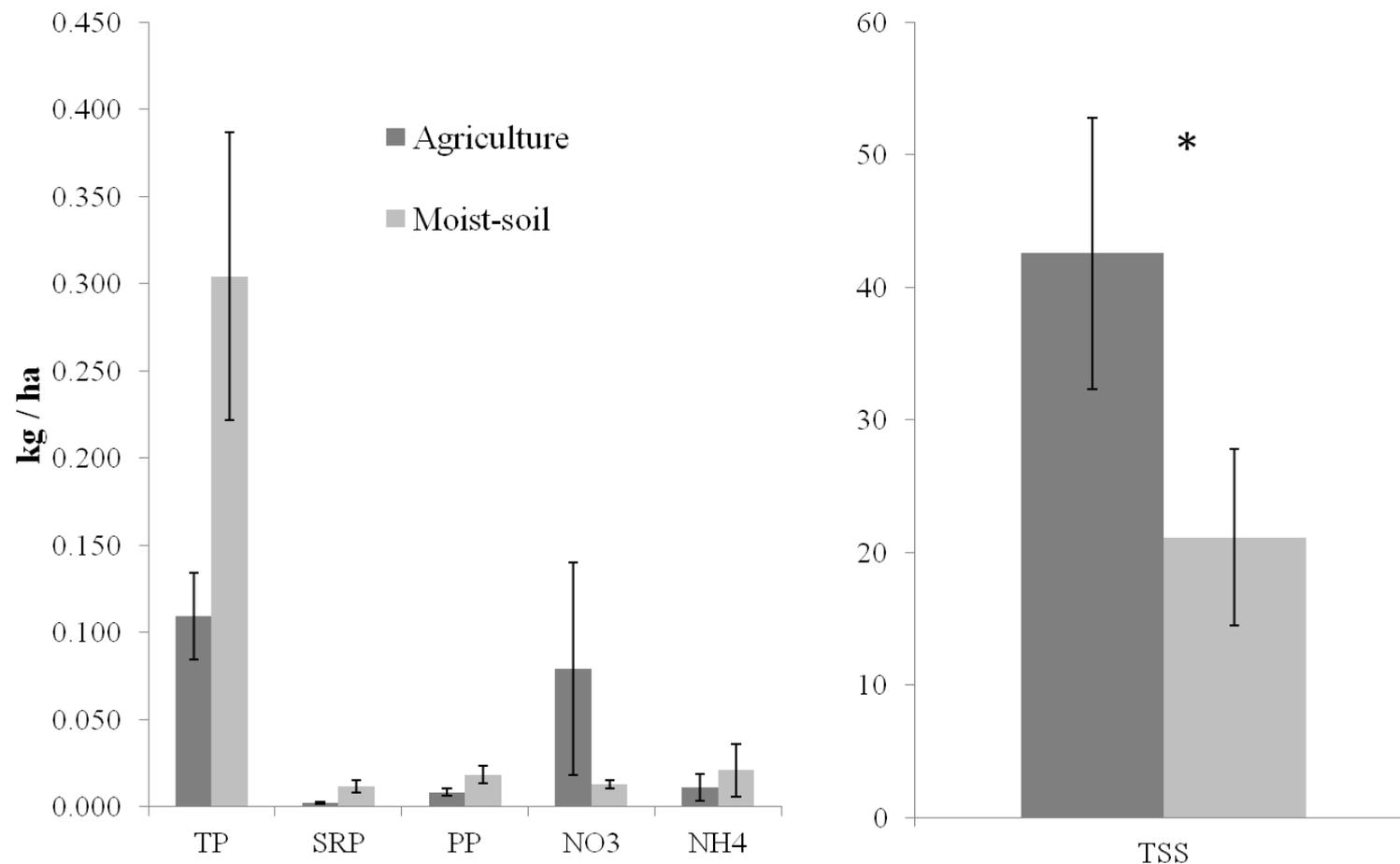
Committee Members

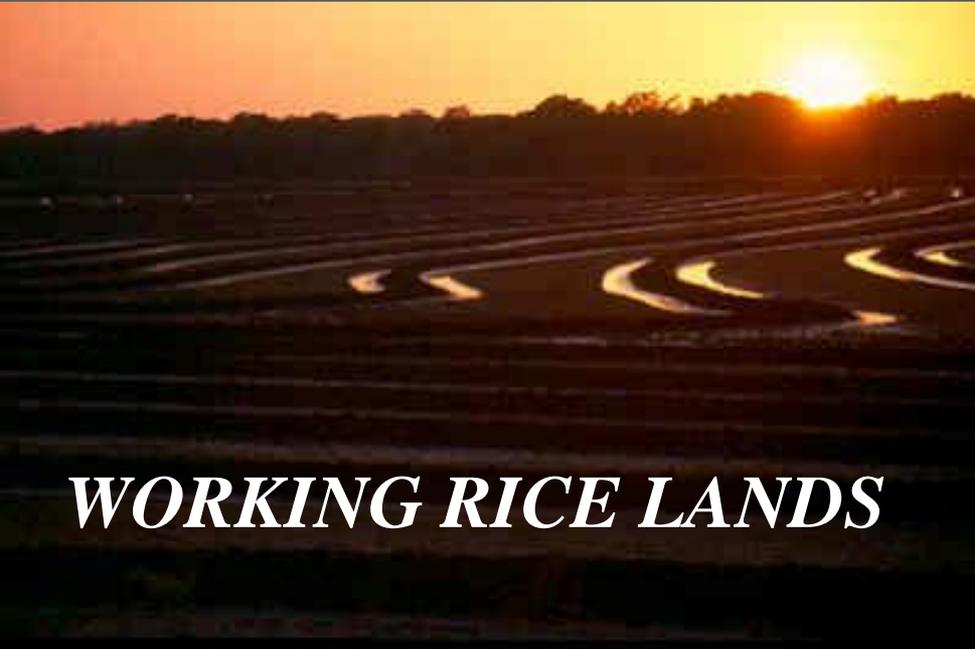
Richard Kaminski, Robbie Kroger, Jimmy Avery, Louis D'Abramo, and Steve Grado





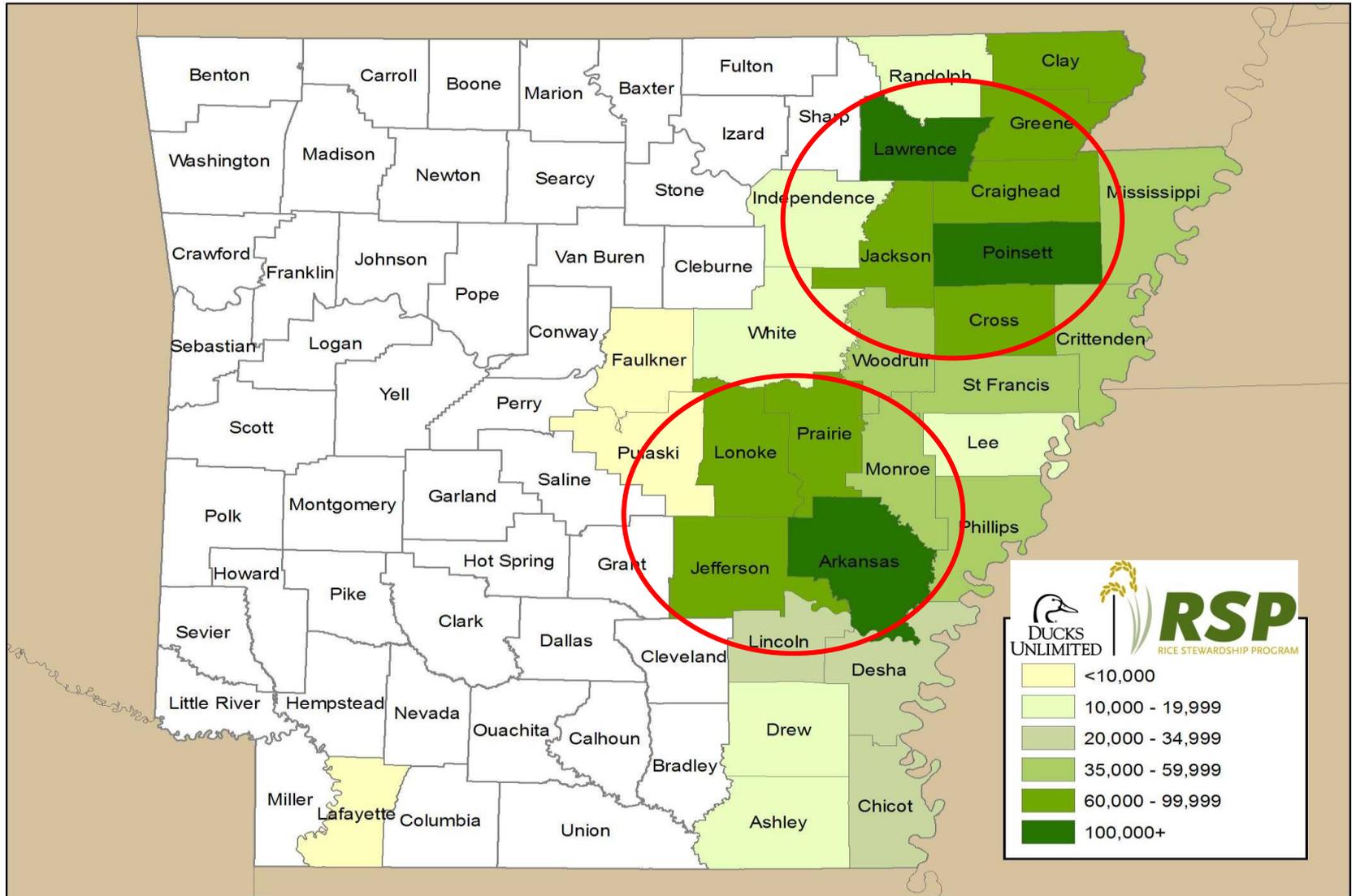
Mean loads per storm event (kg/ha)





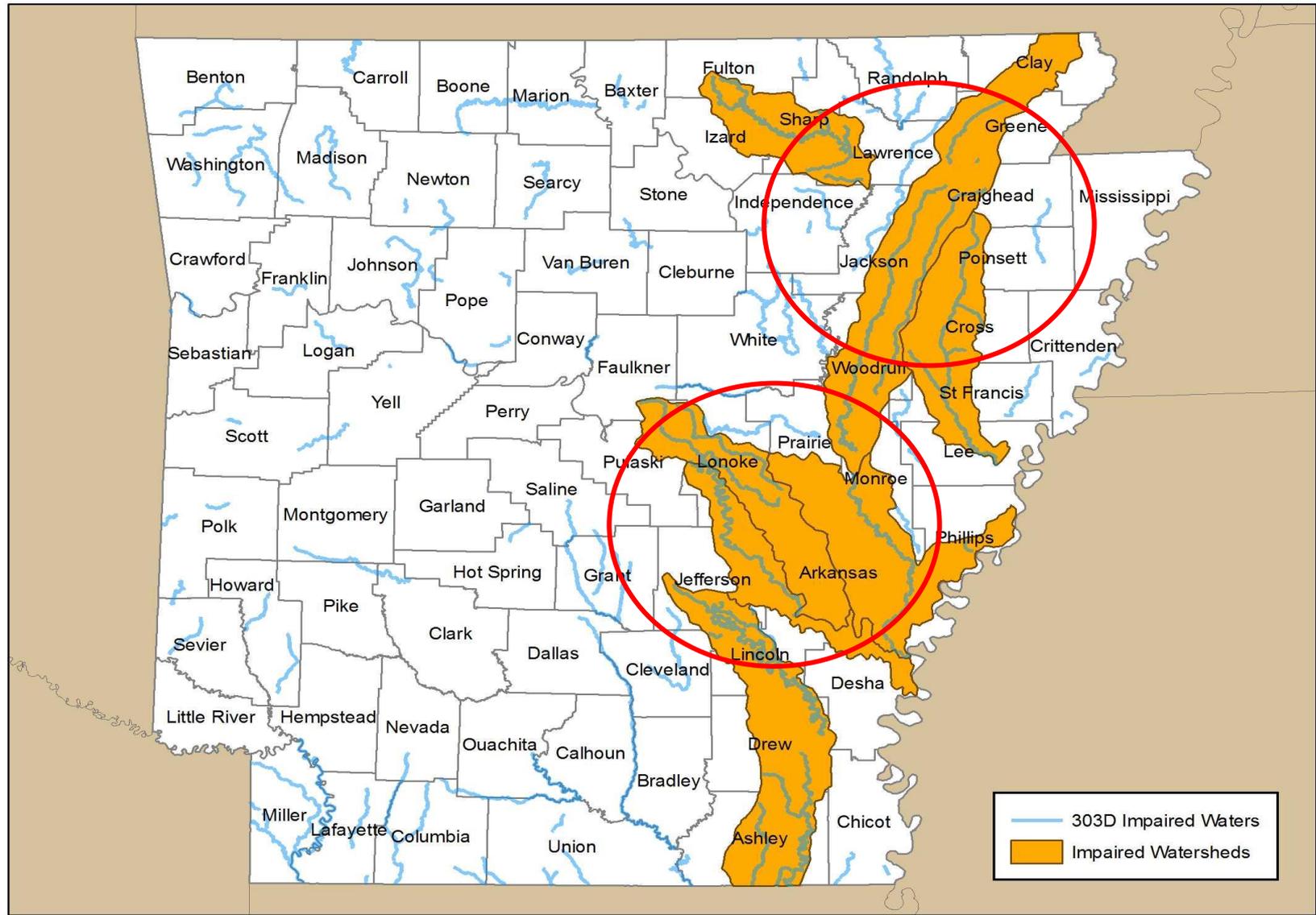
WORKING RICE LANDS






RSP
RICE STEWARDSHIP PROGRAM

	<10,000
	10,000 - 19,999
	20,000 - 34,999
	35,000 - 59,999
	60,000 - 99,999
	100,000+





CONSERVATION IN
RICELANDS

*of
North
America*

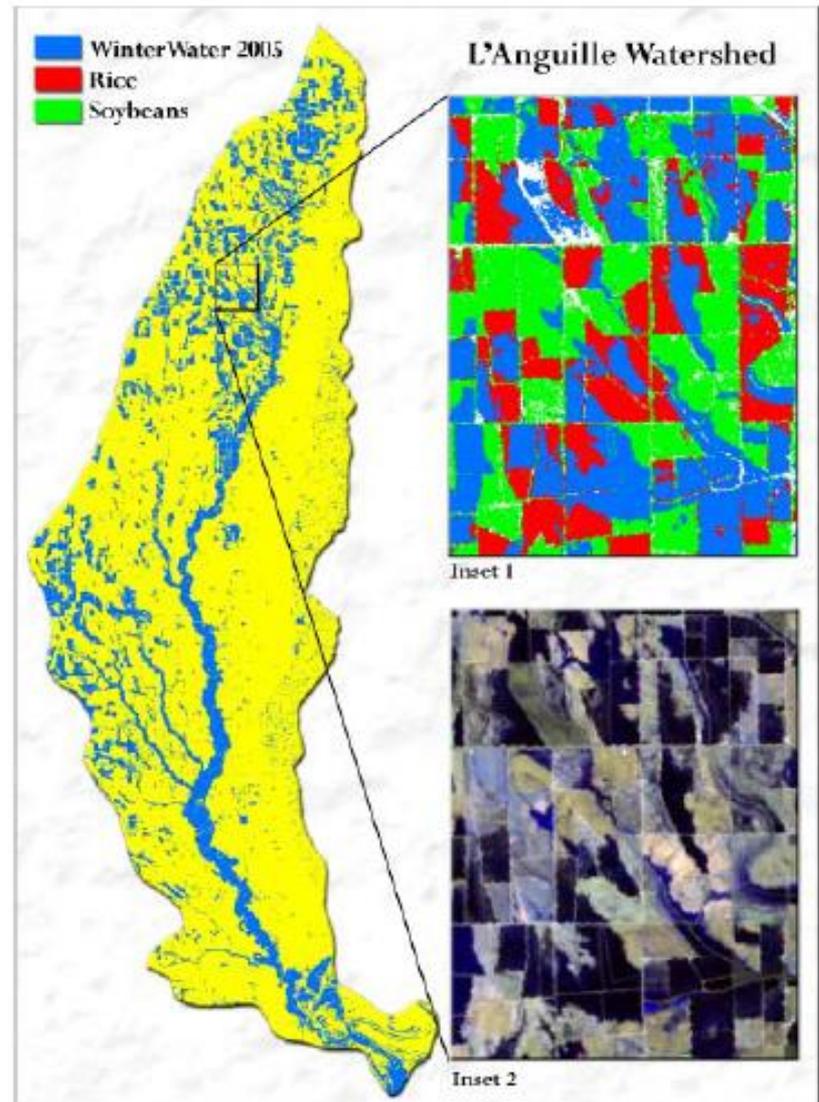
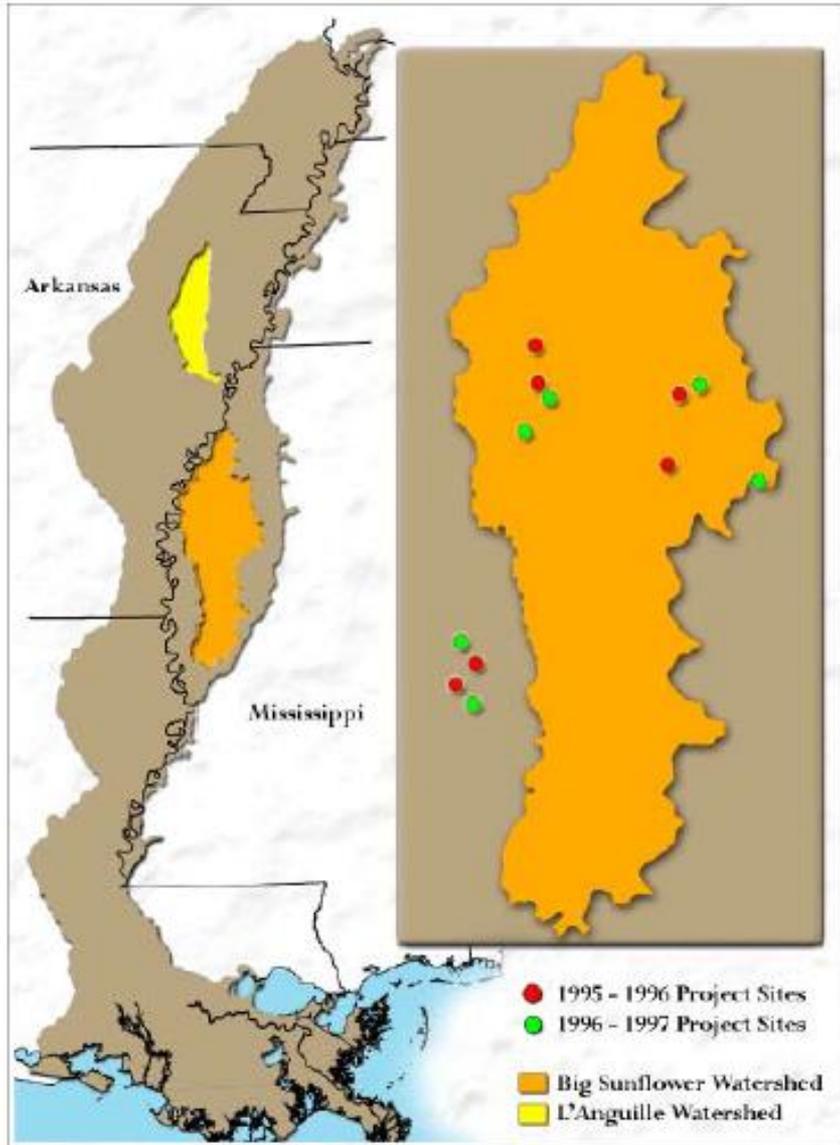


RESEARCH SECTION

doi:10.2489/jswc.64.3.173

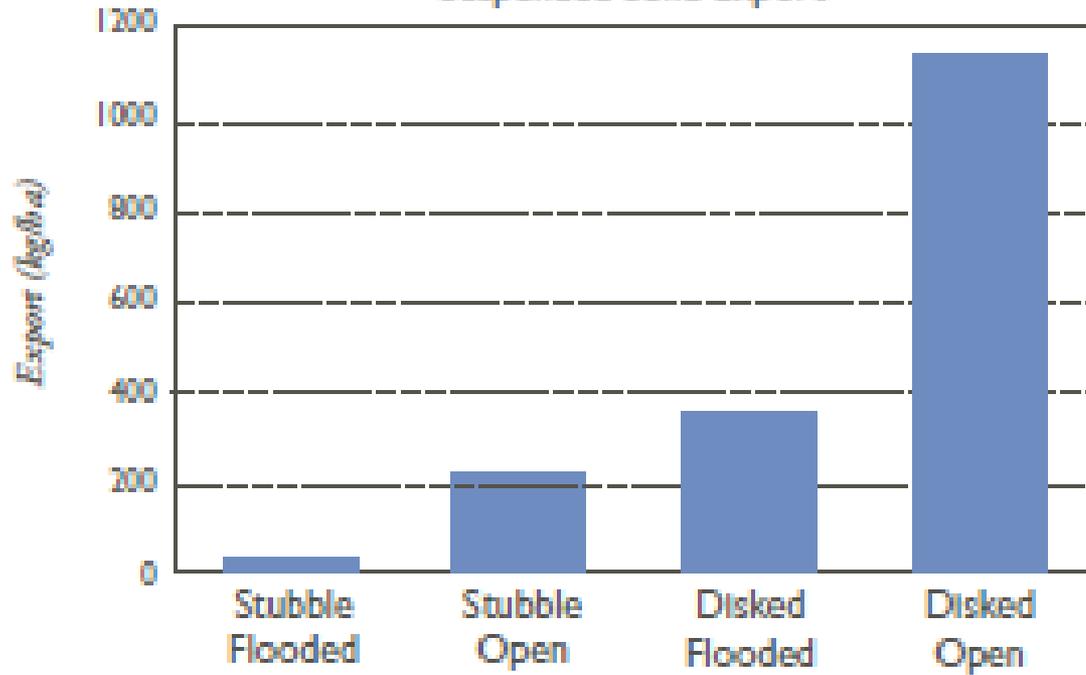
Soil and nutrient retention in winter-flooded ricefields with implications for watershed management

S.W. Manley, R.M. Kaminski, P.B. Rodrigue, J.C. Dewey, S.H. Schoenholtz, P.D. Gerard, and K.J. Reinecke





Suspended Solid Export



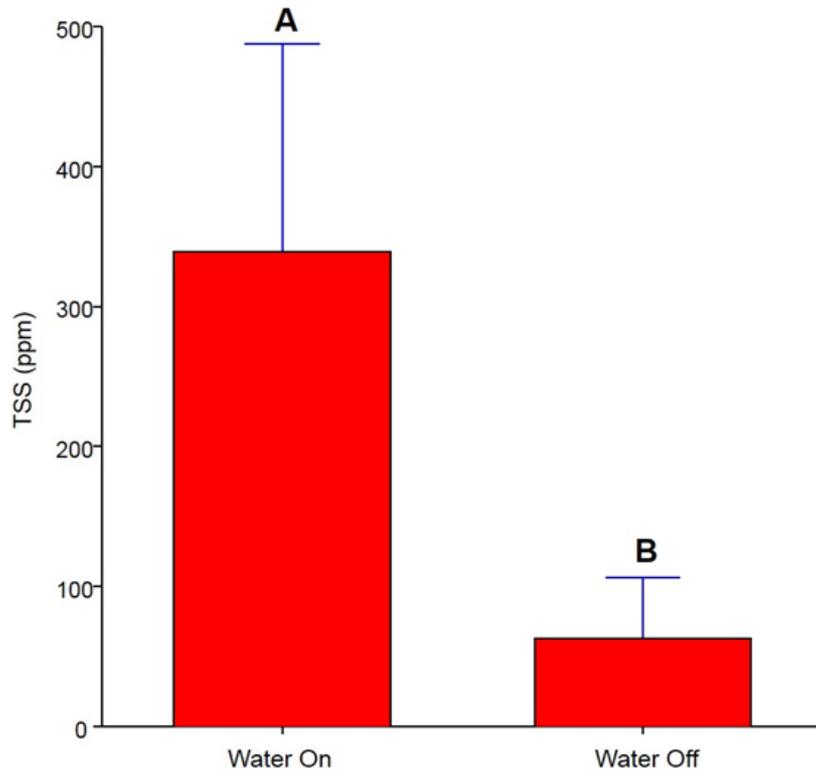


Figure 1. Mean \pm Standard Error of Total Suspended Solids in water put “on” and drained “off” six rice fields under the Rice Stewardship Program in Louisiana. Significant difference ($P < 0.05$) is indicated by letters.



Take Home Points

- *Both native-restored and working wetlands can produce significant water quality benefits – the science is here.*
- *The next step is scale – both landscape and time – to demonstrate desired results.*
- *Starting with Producers and voluntary incentive-based conservation are key.*
- *Partnerships among producers, federal/state agencies, and non-government conservation organizations will achieve greatest progress.*



THANK YOU !!

