



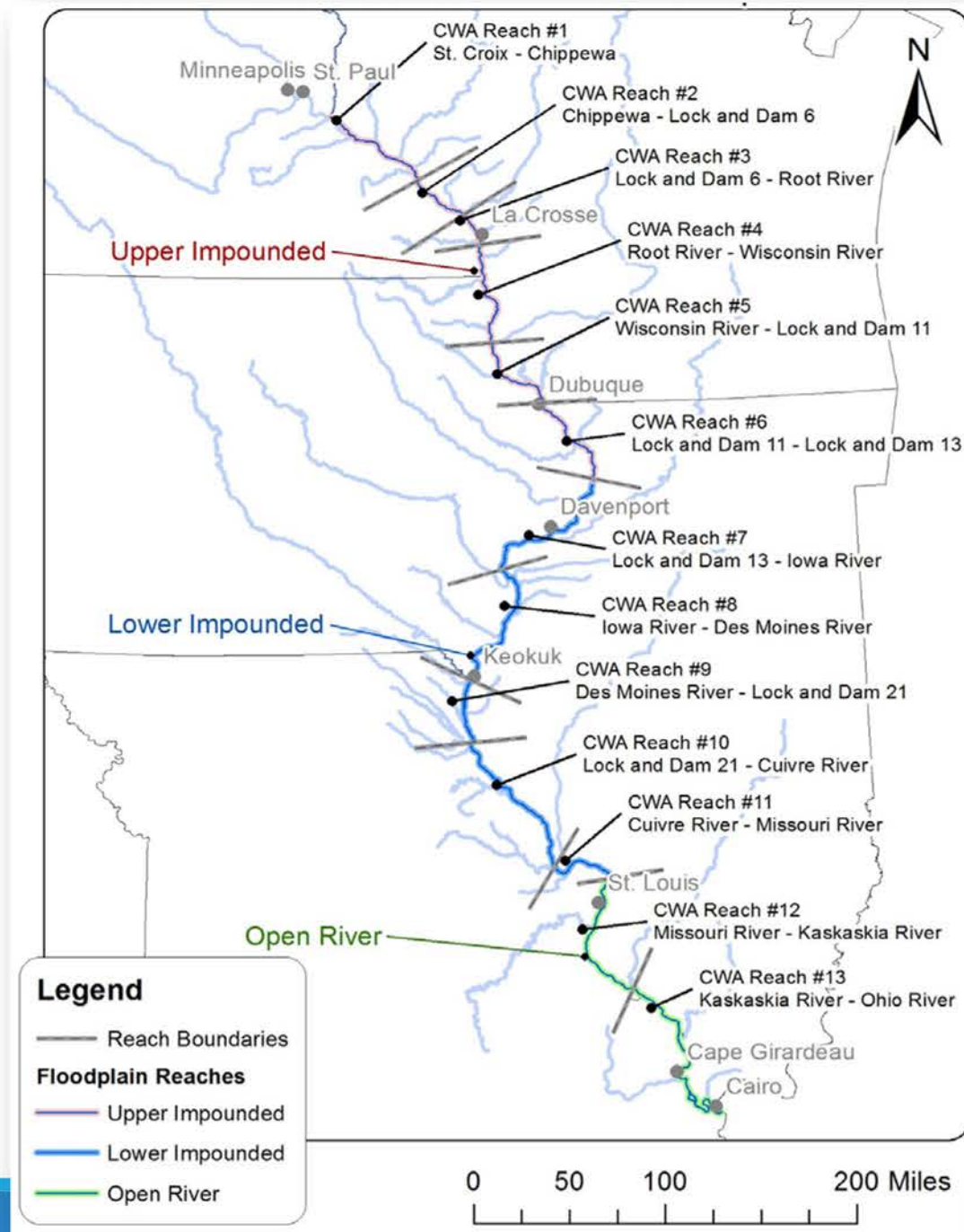
**Upper Mississippi River
Basin Association**

UMR HAB Response Resource Manual

LAUREN SALVATO

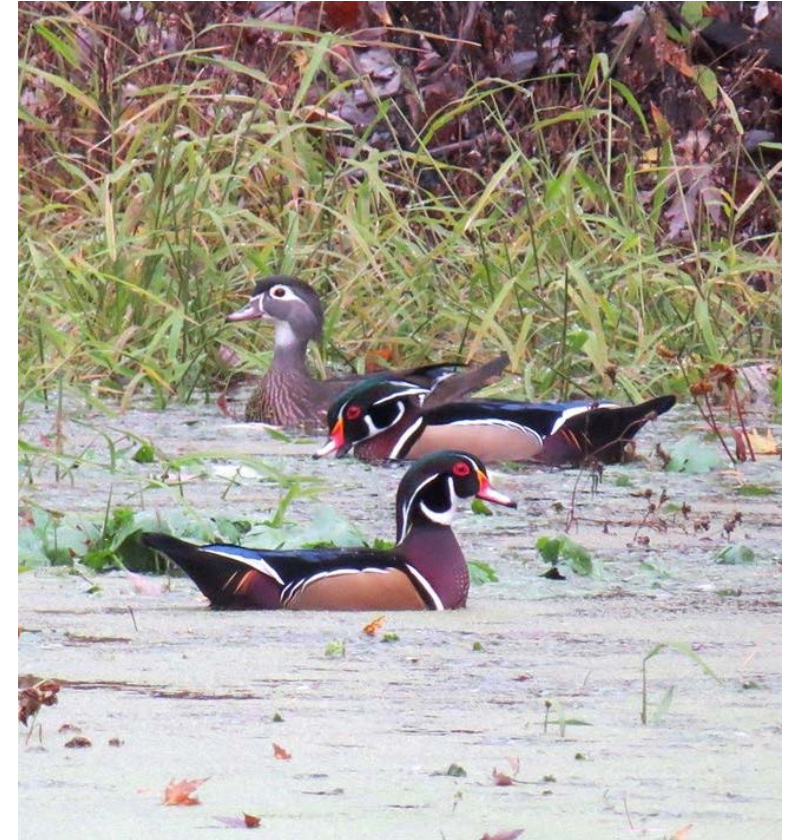
GREAT PLAINS AND MIDWEST HARMFUL ALGAL BLOOMS CONFERENCE

FEBRUARY 5, 2020



About UMRBA

- Regional interstate organization formed in 1981 by the **Governors of *Minnesota, Wisconsin, Illinois, Iowa, and Missouri***
- **Facilitate dialogue and cooperative action** regarding water and related land resource issues on behalf of the five basin states



UMRBA Issue Areas



**Ecosystem
Health**

**Commercial
Navigation**

**Clean
Water**

**Hazardous
Spills**

Flooding

**Aquatic
Nuisance
Species**

UMRBA Water Quality Groups

Water Quality Executive Committee

- Policy making body
- Influences water quality areas of focus

Water Quality Task Force

- Technical body
- Makes recommendations to the Executive Committee and takes on new directives



HABs

- Communication List
- Response Tools and Resources
 - Maps and Spatial References
 - Communication Tools
 - Algae/Toxin Guidelines
 - Capacities Compilation

<http://umrba.org/wq/umr-hab-response-resource-manual.pdf>

Upper Mississippi River Harmful Algal Bloom Response Resource Manual



January 2020



Upper Mississippi River Basin Association

*Upper Mississippi River
Clean Water Act Monitoring Strategy 2013-2022*
**RECOMMENDED MONITORING
PLAN**



February 2014



Upper Mississippi River Basin Association

Funding for this project provided by the Illinois Environmental Protection Agency through Section 106 of the Clean Water Act.

UMR Interstate Water Quality Monitoring

Scope

- Full longitudinal extent and main channel
- Four major designated uses – aquatic life, drinking water, recreation, fish consumption
- Chemical, physical, and biological parameters

Goals

- Support the improved assessment of the UMR under the CWA [305(b) and 303(d)]
- Aid other key CWA program functions (e.g., standards development, NPDES permits, TMDLs, nonpoint source assessment)

Reaches 8-9 Pilot Overview

- Scope - from the confluence of the Iowa River to Lock and Dam 21
- Implementation Timeframe – **December 2019 to December 2020**
- Sampling for four use assessments + algal toxins and PFAS



Questions?



Thank you!

Lauren Salvato, Policy and Programs Director

lsalvato@umrba.org | 651-224-2880

<http://umrba.org/wq.htm>



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