



Illinois Extension
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Illinois Nutrient Loss Reduction Strategy Policy Working Group Meeting *Welcome*

Dr. Shelly Nickols-Richardson

University of Illinois
Associate Dean, Director of Extension

*Improving our water resources with
collaboration and innovation*



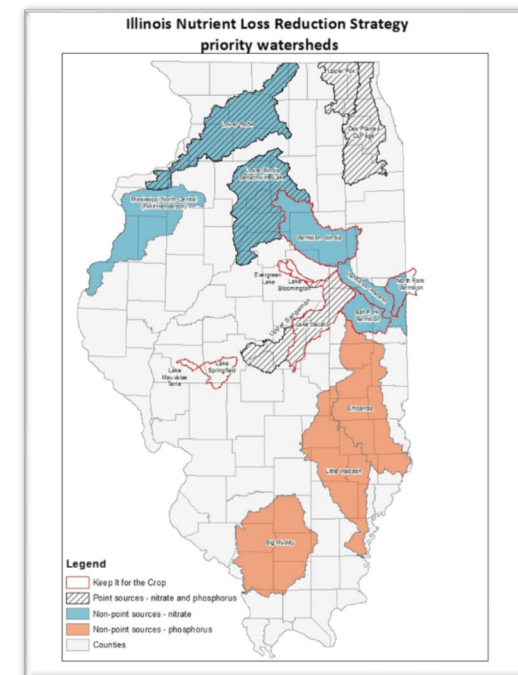
ILLINOIS
NUTRIENT LOSS
REDUCTION STRATEGY

University of Illinois Extension

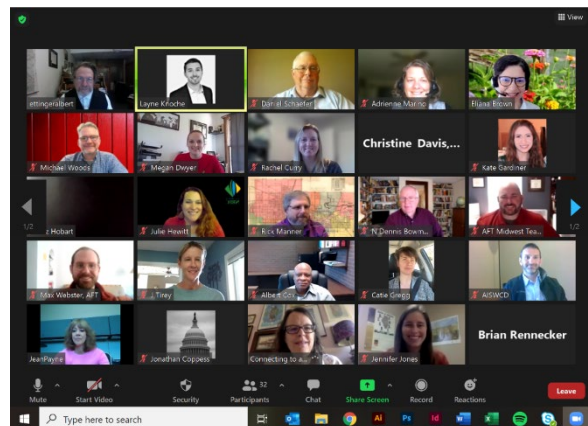
Strategy and Reports



Watershed Approach



Working Group Meetings



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Policy Working Group Agenda

1:20 PM Illinois River Phosphorous Study and Rock River Nitrate Study – Greg McIsaac

1:40 PM USGS Super Gage Network Update – Tim Straub

2:00 PM Watershed Outreach Associate Update – Rachel Curry and Jennifer Jones

2:20 PM Break

2:30 PM Farm Bureau Update – Lauren Lurkins

2:50 PM Statewide Green Infrastructure Inventory – Eliana Brown

3:10 PM Nutrient Assessment Reduction Plan Perspective – Rick Manner

3:30 PM Illinois NREC: Agriculture's Investment in Nutrient Research – Julie Hewitt

3:50 PM Closing comments – Lisa Merrifield



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Rain Garden Education

Leads: Eliana Brown and Layne Knoche

Rainscaping Education Training – 15 hours of instruction including a hands-on rain garden build.

Red Oak Rain Garden – demonstration site on campus that serves as a living, learning laboratory of exemplary stormwater management.

More info: www.redoakraingarden.org



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Conservation@Home

Leads: Abigail Garofalo and Val Kehoe

- In Cook County, C@H certifies properties with environmentally sound landscape practices.
- For residences, libraries, community centers, faith-based organizations, and schools
- Partner: Forest Preserve of Cook County

More info: <https://extension.illinois.edu/cook/conservationhome>



Photo: Val Kehoe

EDUCATION

The Nutrient Loss Reduction Strategy

EXCESS NUTRIENT LOSS from agricultural runoff, point sources, and urban stormwater can cause downstream water quality issues. Illinois is a significant contributor of nitrate-nitrogen and total phosphorus that reach the Gulf of Mexico. There, they can fuel algal growth, creating a large bloom that depletes oxygen when it decomposes. Stakeholders across Illinois have partnered to develop and implement the Illinois Nutrient Loss Reduction Strategy and best management practices to reduce nitrogen and phosphorus reaching Illinois waterways by 45 percent by 2025. *Click on any of the images below to learn more.*



WATCH



READ



LISTEN



INTERACT

NLRS Toolkit

This toolkit is comprised of externally linked education resources valuable for learning and teaching about nutrient losses and Illinois' strategy to reduce nutrients in our waterways. Use the filters to narrow your search by AUDIENCE, KNOWLEDGE LEVEL, TOPIC, LEARNING MODE, and TIME TO COMPLETE. This toolkit was developed with support from the Illinois Environmental Protection Agency and Illinois Department of Agriculture.

FILTER BY:

CLEAR

AUDIENCE

- Pre-K to Elementary School
- Middle School
- High School
- Public

KNOWLEDGE LEVEL

- Basic
- Intermediate
- Advanced

TOPIC

- Hypoxia
- Mississippi River & Tributaries
- Gulf of Mexico
- Watershed & Water Cycle
- Nutrient Inputs
- Nutrient Losses
- Agriculture
- Point Sources
- Stormwater
- Monitoring
- Best Management Practices
- Careers

LEARNING MODE

- Activities
- Factsheets
- Reading Materials
- Standardized Lessons
- Multimedia
- Maps
- Datasets & Visualizations
- Connect with an Expert

TIME TO COMPLETE

- 30 min or less
- One hour or less
- 1-3 hours
- 3-5 hours
- 5+ hours

Land to Water: Nutrient Explorer



Leads: Eliana Brown, Terri Hallesy, and Joan Cox

Educational tool for exploring nutrient loss reduction in Illinois. Meant for teachers, students, and anyone who wants to learn.

The goal is to increase awareness of hypoxia, the Illinois NLRS efforts, and what people can do to help.

More info: iiseagrant.org/education/land-to-water-nutrient-explorer/



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Extension Update/Introductions

Natural Resources, Environment, and Energy (NREE)



Dr. Shibu Kar

Natural Resources, Environment, and Energy
Assistant Dean & Program Leader

Agriculture and Agribusiness



Dr. Travis Burke

Ag and Agribusiness Assistant Dean
& Program Leader



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Photo: Layne Knoche

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@IllinoisNLRs
#NLRs2021

Thank you!