AWQPF TECH SUBGROUP

MEETING 1: AUGUST 26, 2015

ILLINOIS NUTRIENT LOSS REDUCTION STRATEGY | Improving our water resources with collaboration and innovation

Fred Puckett

Introductions

FSA
Kim Martin, Natalie Prince

USDA-NRCS
Eric Gerth

USDA-NASS
Mark Schleusener

IDA
Warren Goetsch, Steve Chard, Kevin Rogers

Illinois EPA
Marcia Willhite, Trevor Sample

IDNR
Mike Chandler

Ag. Partners
Jennifer Tirey

AWQPF Tech Subgroup Committee Charge

1. Determine the best way to share and aggregate bmp implementation data across agencies (so we can track our progress in accomplishing the Illinois Nutrient Loss Reduction Strategy).
2. Determine what BMP implementation parameters will be tracked (e.g. cover crops, wetlands, buffer strips, etc.) and how it will be aggregated (e.g. per watershed, statewide, lump practices into categories like edge of field, etc.). This includes identifying future data parameters required from producer surveys or transect surveys to track progress in accomplishing the NLRS.
3. Assess existing BMP implementation data availability over time to advise the policy work group as they select a BMP implementation baseline year.

IOWA – *JOHN LAWRENCE*

Tracking BMP Implementation – Iowa Example Recap

Measurable indicators of desirable change

Inputs

People

Funding

Agency resources

Private sector resources

Human

Partner Organizations

Partner Agribusinesses

Farmer knowledge and attitude

Point source communities and management knowledge and attitude

Land

Land use changes

- Net acres cover crops
- Net acres perennials
- Etc.

Practice adoption

- Acres of practice X
- Acres of practice Y
- Etc.

Point source implementation

- Feasibility studies
- Permit applications
- Construction

Water

- Calculated load reduction
- Measured loads in priority watersheds
- Organized watersheds reported load changes
- Measured loads at existing monitoring stations

Source: Iowa State University, Extension and Outreach, Measures of Success Committee

Metrics and what are we using to measure them

What are we using to measure it?

Land	FSA	USDA-NRCS	Illinois EPA	IDA	IDNR	NASS	Ag Partners
Land use changes							
➢ Net acres cover crops							
➢ Net acres perennials							
➢ Etc.							
Practice adoption							
➢ Acres of practice X							
➢ Acres of practice Y							
➢ Etc.							
Point source implementation							
➢ Feasibility studies							
➢ Permit applications							
➢ Construction							
Others_____							
Others_____							

Metrics and what are we using to measure them

What are we using to measure it?

Water	FSA	USDA-NRCS	Illinois EPA	IDA	IDNR	NASS	Ag Partners
➢ Calculated load reduction							
➢ Measured loads in priority watersheds							
➢ Organized watersheds reported load changes	Nutrient Monitoring Council will do these.						
➢ Measured loads at existing monitoring stations							
Others_____							
Others_____							

NASS SURVEY – *MARK SCHLEUSENER*

NASS Survey

- Could be designed to fill in gaps.
- What questions would need to be added to the survey?
- Timeframes?

Baseline Year (conclusions from PWG)

- Sectors have been working on nutrient removal for some time. How do we find the right year?
- At least as far back as 2011.
- The AWQPF Tech Subgroup should look at the data and make a recommendation on the most appropriate year.

Baseline Year

Specific data sets used in science assessment and others	Year
Recent Transect Survey	2013
Census of Agriculture	2006/7
NASS Crop layer data	2008-12
Soil P Survey (Fabian)	2007-8
IDA fertilizer sales	2008-12
FSA data?	
USDA-NRCS data?	

Baseline Year

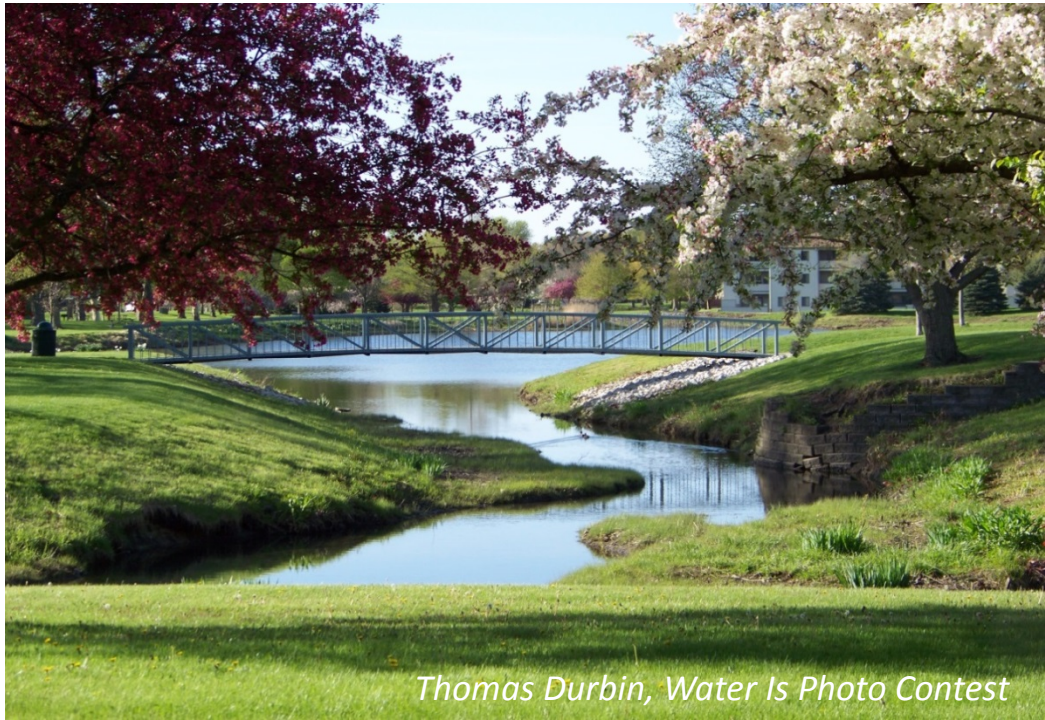
- Given different kinds of data and different timelines, what is the most appropriate baseline year?

BMP Tracking

- Sharing/combining multiple agency data to track BMPs.

Future meetings

- Frequency?
- Next meeting


Thomas Durbin, Water Is Photo Contest