URBAN STORMWATER WORKING GROUP

April 19, 2022 2 – 3 p.m.

Join URL: https://illinois.zoom.us/j/81736251190?pwd=M2Irb2hBT2dRNDdWQXExQ3JPeXgzdz09

Meeting ID: 817 3625 1190 Password: 471909

Phone: +1 312 626 6799,,81736251190# US (Chicago)











Introductions

Type your name and affiliation in the chat box.



Agenda

2:00 – 2:05	Welcome
2:05 – 2:30	Illinois Green Infrastructure Inventory Update Dr. Reid Christianson, University of Illinois 5 min. Q/A
2:35 – 2:50	Round Robin member updates Each member share 1- to 3-minute on current programs or projects.
2:50 – 3:00	Next Steps





JOAN COX

NLRS Outreach Associate

Cooperative Extension Service
College of Agricultural, Consumer and Environmental Sciences
University of Illinois at Urbana-Champaign
276 National Soybean Research Center
1101 W. Peabody Dr. Urbana, IL 61801

217.244.3704 | jesarey@illinois.edu







Welcome new members and guests





Urban Stormwater Working Group

April 19, 2022

Reid Christianson

Needed information about BMPs



- Where
- What
- How Much
- When

BMP Information											
						Installation			For New		
BMP Category		If other, provide	Name of Funding		BMP units (ac,	Date			Development or		
(See next sheet)	BMP Name	description	Program	BMP quantity	sq ft, no, ft)	(Completed)	Cost (\$)	into the BMP (ac)	Retrofit		
Mandatory	Manditory	Mandatory	Optional	Mandatory	Mandatory	Mandatory	Optional	Optional	Optional		

Needed inform

Progress Report on Coordination for Nonpoint Source Measures in Hypoxia Task Force States

May 2018

HUC 8 HUC12

Mandatory Optional

BMP Category
(See next sheet) BMP Name descri
Mandatory Manditory Mand

nage area going Development or Retrofit tional Optional

https://www.epa.gov/sites/default/files/2018-05/documents/nps_measures_progress_report_1-_may_2018.pdf

Selecting BMPs to Track

- Data Sources
 - Calumet Stormwater Collaborative
 - DuPage County
 - Region 5 Model
 - Biennial Report
 - Others?

Calumet Stormwater Collaborative

- Bioswale
- Constructed Wetland
- Green Roof
- Bioinfiltration System, e.g., Engineered Rain Garden
- Stormwater Tree, i.e., within 20 ft. of impervious surface
- Native Landscaping
- Naturalized Detention Basin
- Permeable Pavers
- Permeable Asphalt
- Pervious Concrete
- Underground Detention System (with Infiltration or Biofiltration element)
- Rainwater Harvesting Cistern

- Vegetated Filter Strips
- Grass Swales
- Infiltration Devices
- Extended Wet Detention
- Wetland Detention
- Dry Detention
- Settling Basin
- Sand Filters
- WQ Inlets

- Weekly Street Sweeping
- Infiltration Basin
- Infiltration Trench
- Porous Pavement
- Concrete Grid Pavement
- Sand Filter/Infiltration Basin
- WQ Inlet w/ Sand Filter
- Oil/Grit Separator
- Wet Pond

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Categorizing

Detention Filtration Infiltration Conveyance Permeable Manufactured Land Use Storage Pavement Street Green Roof Sweeping

Distinguish Between Applications

BMPs associated with new construction

 Can assume this is net neutral – this development was not here during the "baseline" period between 1980 and 1996 BMPs associated with retrofitting existing development

 Changes the "load" on the books

Base Units

There are many units associated with BMPs

• Square feet, linear feet, cubic feet, number, acres

Use "acres treated" as the base unit

- Make assumptions and do math to "convert" to acres treated
- Work has been done on Ag Conservation Practices on this front see:
 - http://draindrop.cropsci.illinois.edu/wpcontent/uploads/2019/09/Data_Norms.pdf

Round Robin Member Updates

Type "Update" in the chat box.

I will call on people.



Next Steps

GI Inventory:

- timeline
- member questions/suggestions
- a tracking subgroup focus
- spreadsheet template for data acquisition

Next meeting topic:

- Minnesota Street Sweeping education and training program John Bilotta, University of MN Extension
- Call for Agenda Items