

A photograph of a large, dark tree trunk in the foreground, partially covered in snow. The background shows a snowy urban landscape with orange safety fencing, a brick building, and other trees. The sky is overcast and hazy.

# URBAN STORMWATER WORKING GROUP

NOVEMBER 12, 2019

*Photo credit: Kate Gardiner*



# Introductions & Updates

# NLRS Biennial Report

## BACKGROUND:

**Original strategy** document was released in 2015. It provided a framework for implementation.

**First biennial report** was released in 2017. It provided data for benchmark year (2011) and first report year (2015) for source sectors: **Agriculture, Point-source, and Urban Stormwater.**

**Second biennial report** is being released this week.

Data organized for each sector as such:



# 2019 NLRS Biennial Report



**RESOURCE MEASURES:** *Resource measures refer to financial investment. These include funding, grants, and the staff who administer them. DATA SOURCE = SPREADSHEET*



**OUTREACH MEASURES:** *Outreach leads to shifts in people's knowledge, attitudes, behavior, and investment. The Outreach measures include field days, presentations, conferences, meetings, print or media, radio or television, social media, newsletters, awards, and surveys. DATA SOURCE = SPREADSHEET*

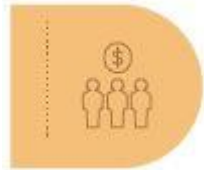


**LAND AND FACILITIES MEASURES:** *The Land and Facilities measures are adoption of best management practices (BMPs) such as agricultural conservation BMPs, upgrades to wastewater treatment facilities, and stormwater management BMPs. These physical changes on the land can affect change in water quality. DATA SOURCES = EPA 319 & MS4*



**WATER:** *Water category measures, which reflect nutrient loads, are presented in the Science Assessment Update chapter. DATA SOURCE = DR GREG MCISAAC'S REPORT*

# 2019 NLRS Biennial Report



**RESOURCE MEASURES:** *Resource measures refer to financial investment. These include funding, grants, and the staff who administer them. DATA SOURCE = SPREADSHEET*

SPREADSHEET stormwater respondents were DuPage County, Great Egypt Regional Planning Commission, and Parkland College.

*Table 6.1. Funds supporting 2018 nutrient reduction-related activities in the stormwater sector.*

Nutrient reduction-related activity	2018 Totals
Grants or Loans Received	\$607,944
Grants Given	\$334,934
Other	\$13,000
<b>Total</b>	<b>\$955,878</b>

# 2019 NLRS Biennial Report



**OUTREACH MEASURES:** *Outreach leads to shifts in people’s knowledge, attitudes, behavior, and investment. The Outreach measures include field days, presentations, conferences, meetings, print or media, radio or television, social media, newsletters, awards, and surveys. DATA SOURCE = SPREADSHEET*

SPREADSHEET stormwater respondents were DuPage County, Great Egypt Regional Planning Commission, and Parkland College.

*Table 6.2. Outreach events reported by the stormwater sector.*

Type of Activity	Number of Events	Attendance
Field Days	9	555
Presentations	31	3,815
Conferences	3	650
Workshops	17	1,150
<b>Totals</b>	<b>60</b>	<b>6,170</b>



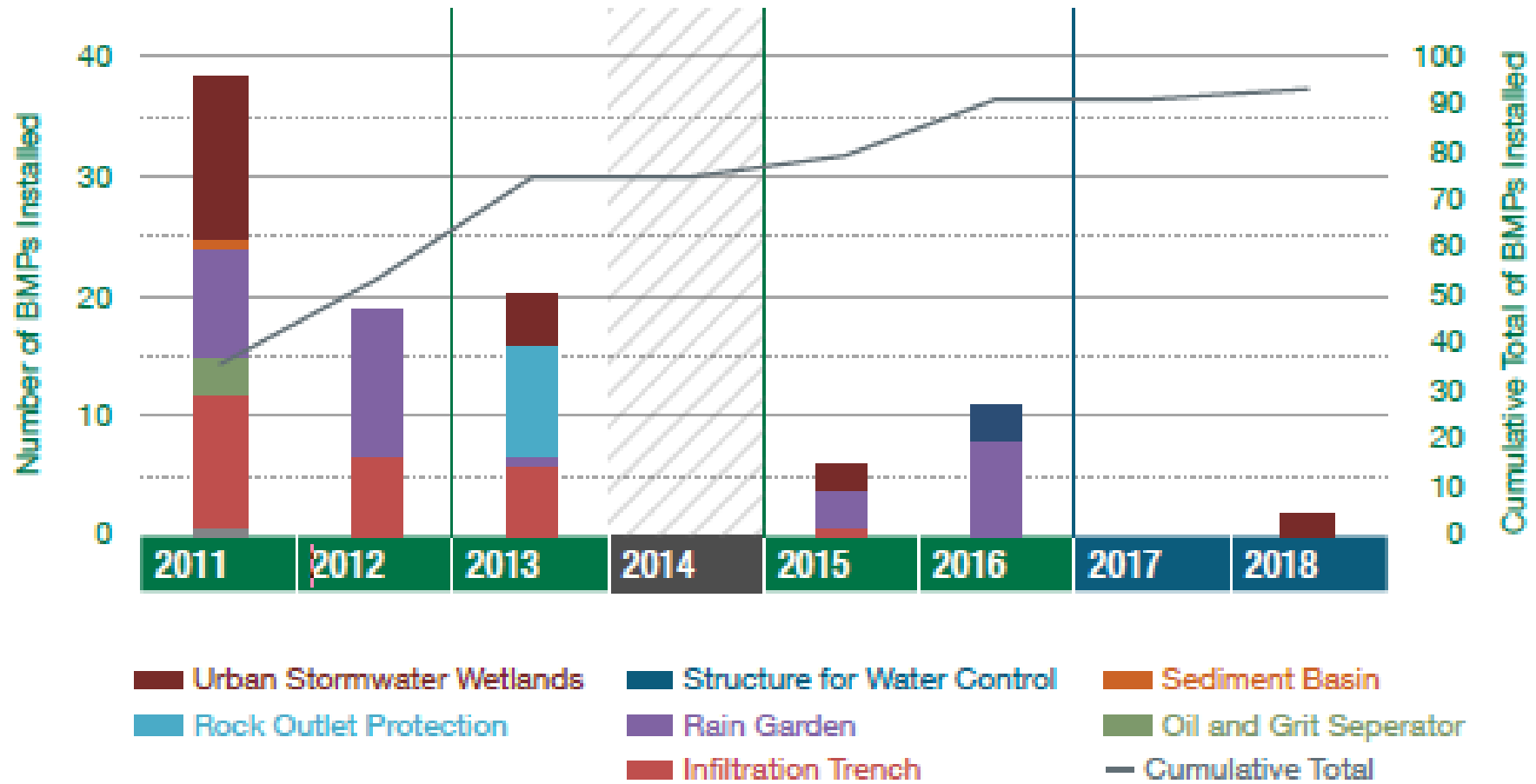
# 2019 NLRS Biennial Report



**LAND AND FACILITIES MEASURES:** *The Land and Facilities measures are adoption of best management practices (BMPs) such as agricultural conservation BMPs, upgrades to wastewater treatment facilities, and stormwater management BMPs. These physical changes on the land can affect change in water quality. DATA SOURCES = EPA 319 & MS4*



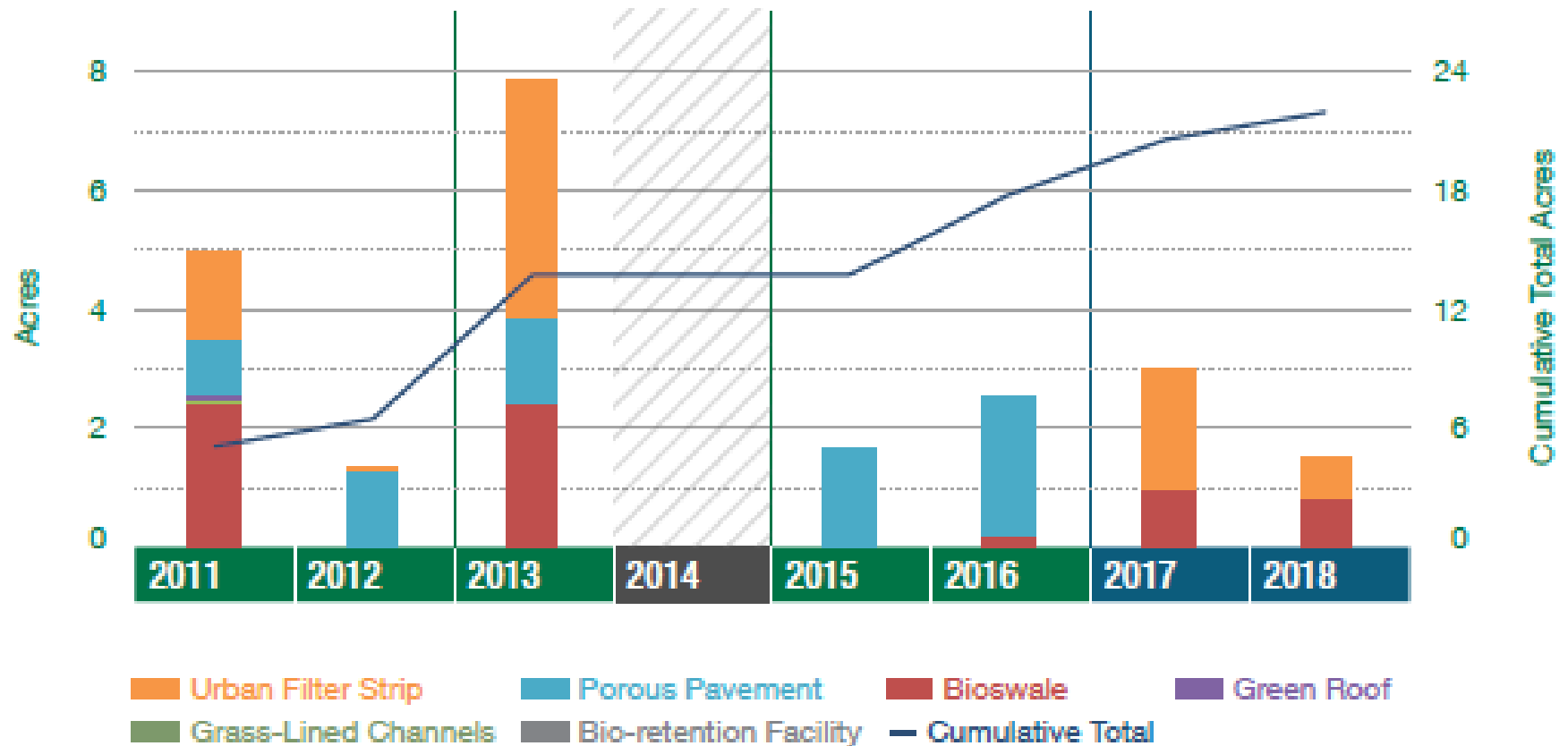
# 2019 NLRS Biennial Report



Number of urban practices installed under Section 319 Program 2011-2018

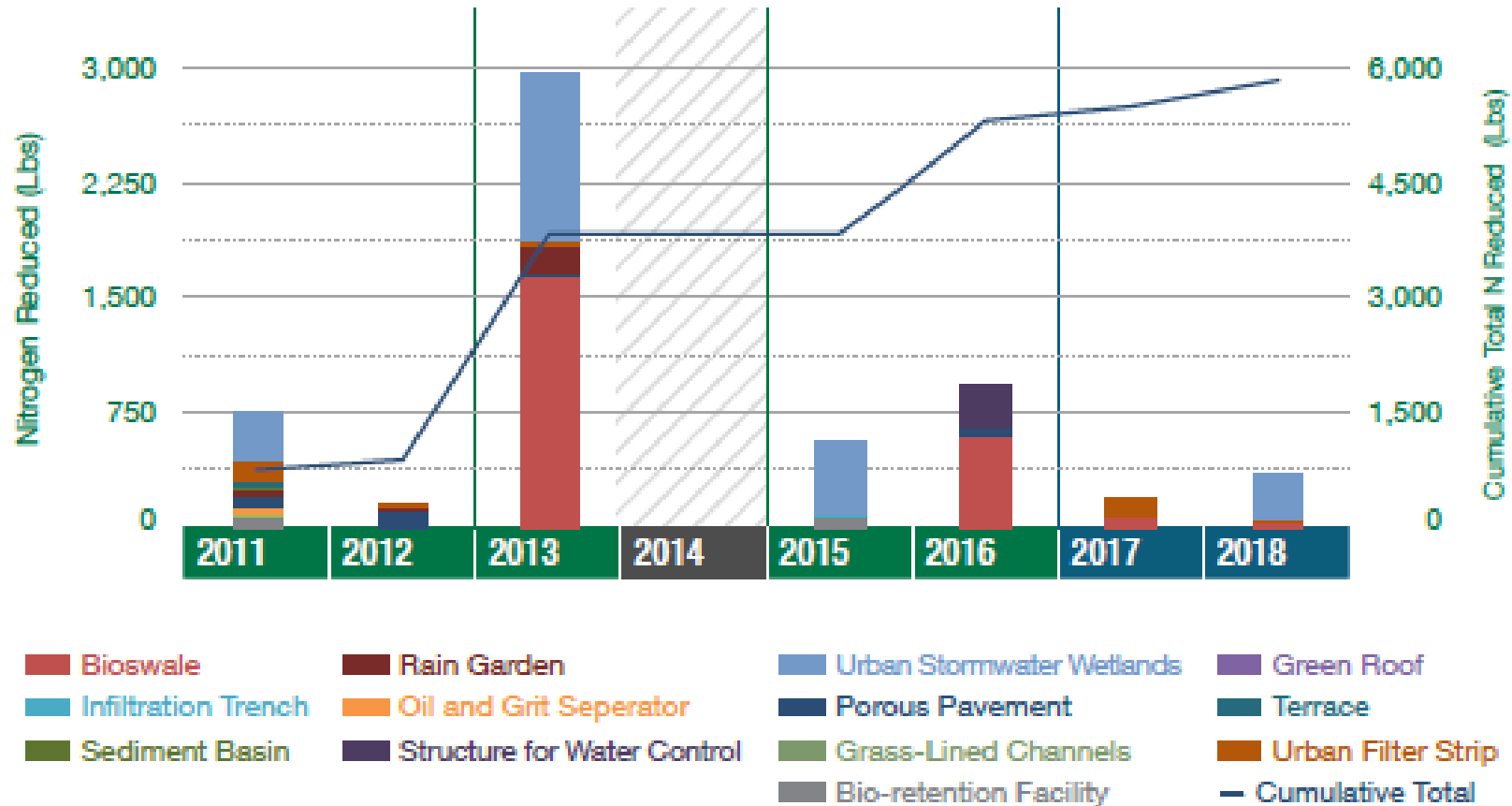


# 2019 NLRS Biennial Report



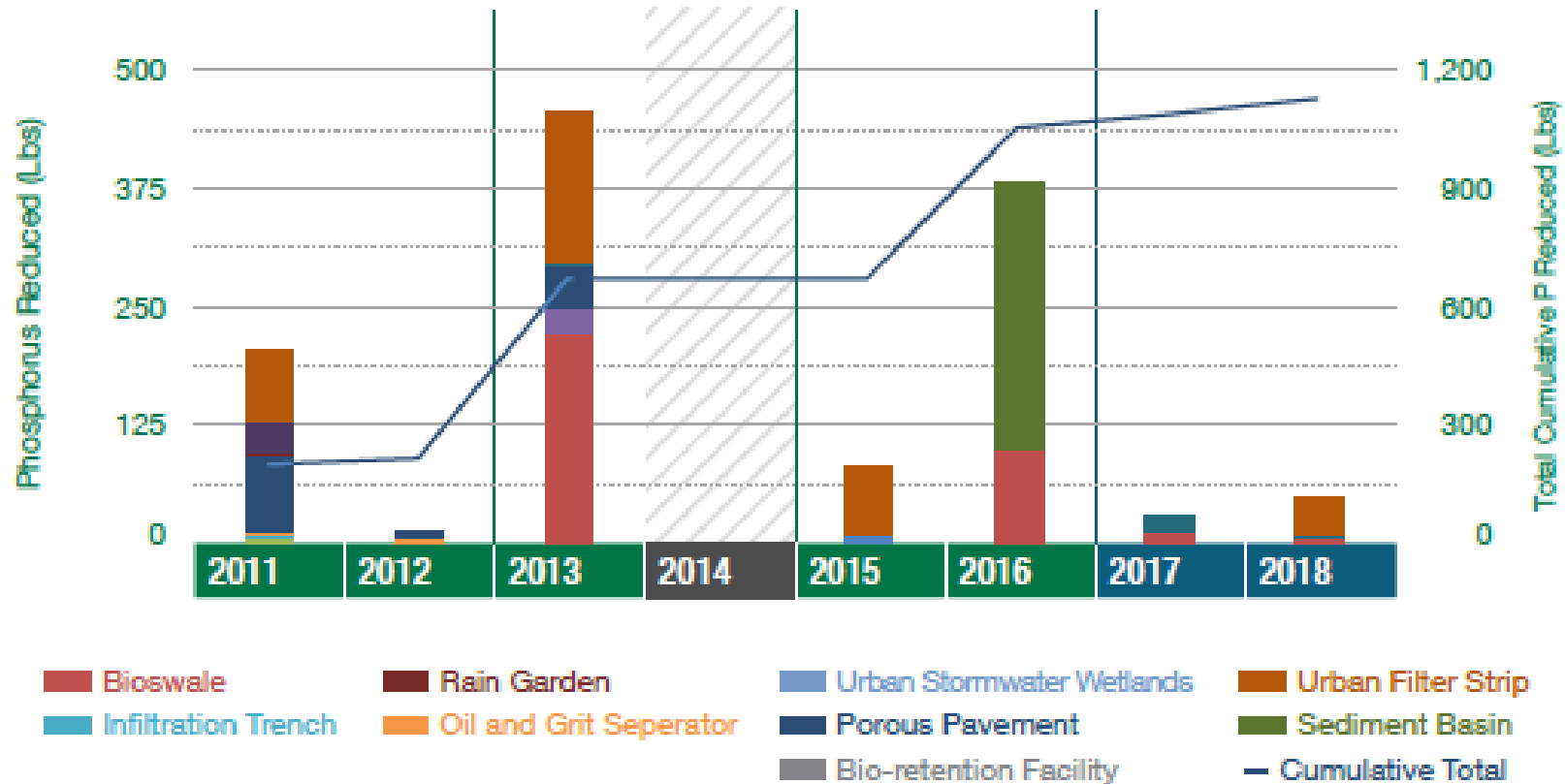
Acres treated by urban practices installed under Section 319 Program 2011-2018

# 2019 NLRS Biennial Report



Calculated nitrogen load reductions from urban practices installed under Section 319 Program 2011-2018

# 2019 NLRS Biennial Report



Calculated phosphorus load reductions from urban practices installed under Section 319 Program 2011-2018



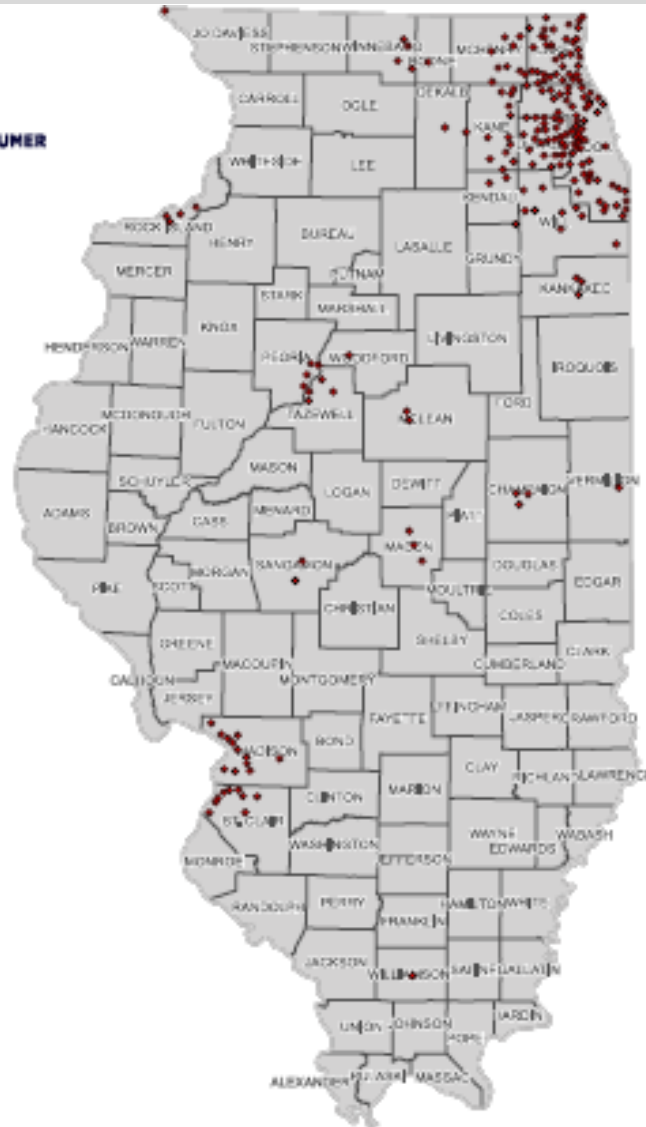
# 2019 NLRS Biennial Report



**I ILLINOIS**  
Extension  
COLLEGE OF AGRICULTURAL, CONSUMER  
& ENVIRONMENTAL SCIENCES

## Legend

● MS4 Communities



Locations of MS4s with available annual reports (287)

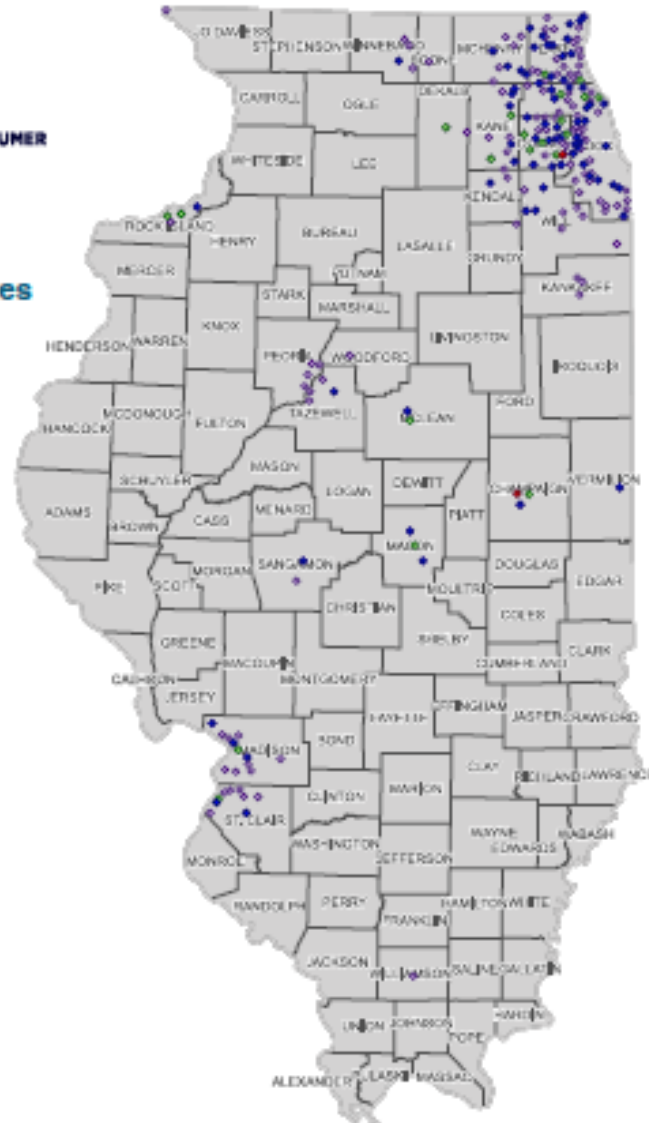
# 2019 NLRS Biennial Report



**I ILLINOIS**  
Extension  
COLLEGE OF AGRICULTURAL, CONSUMER  
& ENVIRONMENTAL SCIENCES

## Number of GI Practices

- 5 or More
- 3-4
- 1-2
- 0



# 2019 NLRS Biennial Report



	Practice	Number of MS4s	Percent of MS4s
Physical Practices	Dry Weather Screening	143	49%
	Street Sweeping	114	39%
	De-icer Management	101	35%
	Detention Basin Maintenance	89	31%
	Litter Clean up Event	51	18%
	● Community Rain Gardens	30	10%
	● Bioswales	16	5%
Plans and Policies	● Green Infrastructure Grants	32	12%
	Stormwater Master Plans	27	9%
	● Stormwater Utility Fees	24	8%
Residential Programs	Community Outreach	278	97%
	Household Hazardous Waste Collections	92	32%
	● Rain Barrel Programs	80	27%
	Electronic Recycling	40	14%
	● Homeowner Rain Garden Incentives	23	8%



# 2019 NLRS Biennial Report

## **Partner Programs and Projects**

Section 319 Grant Program

Municipal Separate Storm Sewer System Permits

Urban Stormwater ILR10 Permit

Clean Water Initiative and State Revolving Fund (2017 Biennial Report)

MWRDGC Rain Barrel and Green Infrastructure Programs

Streambank Stabilization and Restoration Program

Total Maximum Daily Load (2017 Biennial Report)

Calumet Stormwater Collaborative

National Green Infrastructure Certification Program

Lawn to Lake

# Data for next biennial report

**Next Biennial Report** to be released 2021 will cover activities from 2019 and 2020.

Resource and Outreach spreadsheet  
– *due January 31, 2020*

# Urban Stormwater Education Subgroup

Explores ways to provide stormwater education resources and to make audiences aware of stormwater issues

## **Two initiatives:**

1. Resource Repository – *housed at IAFSM website*
2. Stormwater 101 PowerPoint

Suggest: Request resource repository info Jan 31



# Urban Stormwater Tracking Subgroup

Explores ways to track stormwater BMPs for Biennial Report and ways to capture this information.

Calumet Stormwater Collaborative is exploring a tracking effort.

Eliana attended stakeholder meeting in July. Their effort is similar to ours.

Suggest: next meeting invite them to speak

# Next Steps

## 2019 NLRS Partnership Conference

December 3-4

Springfield Crowne Plaza



# Next Steps

How to streamline reporting?

Next Meetings: Potential topics? Speakers?

- Statewide Stormwater Network
- Incorporating Leaf study information
- BMP inventory

Next Meetings: Potential locations?





THANK YOU!

*Photo credit: Layne Knoche*