

State of Iowa FY14 Nonpoint Source Management Plan Progress Report

January 13, 2015 WRCC Meeting

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DNR Watershed Improvement Section

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Overview

- NPSMP Refresher
- Progress Report
- DNR/Section 319 Highlights

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NPSMP Refresher

- Required by Section 319 – CWA
- Condition of Iowa Receiving 319 Grant \$
- Purpose
 - Set Goals, Objectives and Milestones for addressing NPS Pollution (primarily: sediment, bacteria, N & P)
 - Guide State's 319 Program Priorities and Funding
- Core Partners: DNR, IDALS, ISU, NRCS, CDI
- Included input from 50+ stakeholder groups
- Updated every 5 Years

FY14 Nonpoint Source Management Plan Progress Report

Objective	Status	Description
Goal 1	↑	Build Partnerships to enhance a collaborative watershed approach to NPS water pollution
1.1	↑	Strengthen and expand agency collaboration
1.2	↗	Organize SWCDs to cooperate within watershed boundaries
1.3	↗	Develop local comprehensive visions and action plans for NPS water quality within HUC-12 watersheds
1.4	↗	Implement Smart Planning principals, as approved by Code of Iowa at watershed level
1.5	↗	Increase coordination between public and private entities to better leverage existing funding
Key: ↑ Meeting expectations ↗ Making progress ↔ Needs more attention		

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NPSMP Progress Report

Objective	Status	Description
Goal 2	↗	Improve technical assistance, outreach and education to facilitate NPS assessment, planning and implementation
2.1	↗	Build local and mutual accountability through community-based watershed and other groups to set expectations for conservation behavior
2.2	↗	Implement a “Conservation Central” system to consistently deliver local collaborative public and private technical and financial help across Iowa
2.3	↗	Develop a consistent, understandable message about conservation set for delivery by multiple groups
2.4	↔	Develop a visioning process for HUC-8 watersheds in Iowa
2.5	↗	Develop and implement a statewide campaign to inform people about water quality issues, motivate involvement, and change behavior
2.6	↔	Develop and implement conservation plans to adequately preserve soil productivity and to protect water quality for targeted priority areas

Key: ↑ Meeting expectations ↗ Making progress ↔ Needs more attention



NPSMP Progress Report

Objective	Status	Description
Goal 3	↗	Science-based performance measures
3.1	↔	Encourage greater public participation in the monitoring and evaluation of water quality best management practices
3.2	↗	Develop local natural resource goals with targeted solutions to meet watershed needs
3.3	↔	Utilize long-term research projects, including monitoring, funding, and alternative management practices to confirm post-project results of demonstration projects
3.4	↗	Place greater focus on up-scaling small-plot research to watershed scale
3.5	↗	Establish uniform practices and protocols for monitoring that can be applied to watershed needs
3.6	↗	Adopt system-based implementation and monitoring strategies versus practice-based approaches

Key: ↑ Meeting expectations ↗ Making progress ↔ Needs more attention



NPSMP Progress Report

Objective	Status	Description
Goal 4	↗	Funding
4.1	↗	Prioritize existing public programs that support science-based measures identified in Objective 3.2
4.2	↔	Improve interaction among private sector groups to invest in NPS issues and solutions
4.3	↗	Create new or revise existing sources to allow for local groups to be more flexible in implementing and testing innovative approaches
Key: ↑ Meeting expectations ↗ Making progress ↔ Needs more attention		

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FY14 DNR/Section 319 Highlights

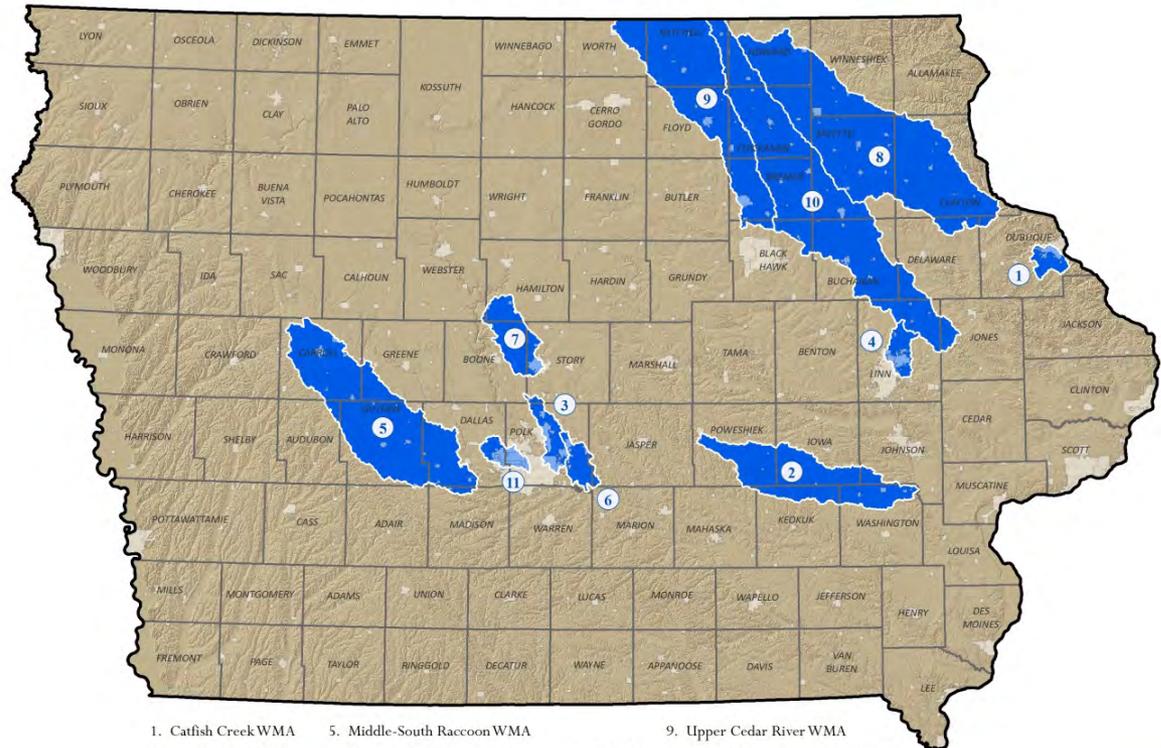
Goal 1 – Building Partnerships

11 WMAs have formed since 2012

Funded planning in three WMAs:
 English River
 Turkey River
 Indian Creek

Offered an additional \$202,000 for WMA Planning.

Watershed Management Authorities with 28E Agreements



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FY14 DNR/Section 319 Highlights

Goal 1 – Building Partnerships

Provided financial support and technical assistance to the Rathbun Land and Water Alliance for the updating of their WMP



PROTECT RATHBUN LAKE

INTERIM WATERSHED MANAGEMENT PLAN

2014 – 2019



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FY14 DNR/Section 319 Highlights

Goal 2 – TA and Outreach

Produced and distributed 1500 copies of the 7th Annual Success Stories Booklet



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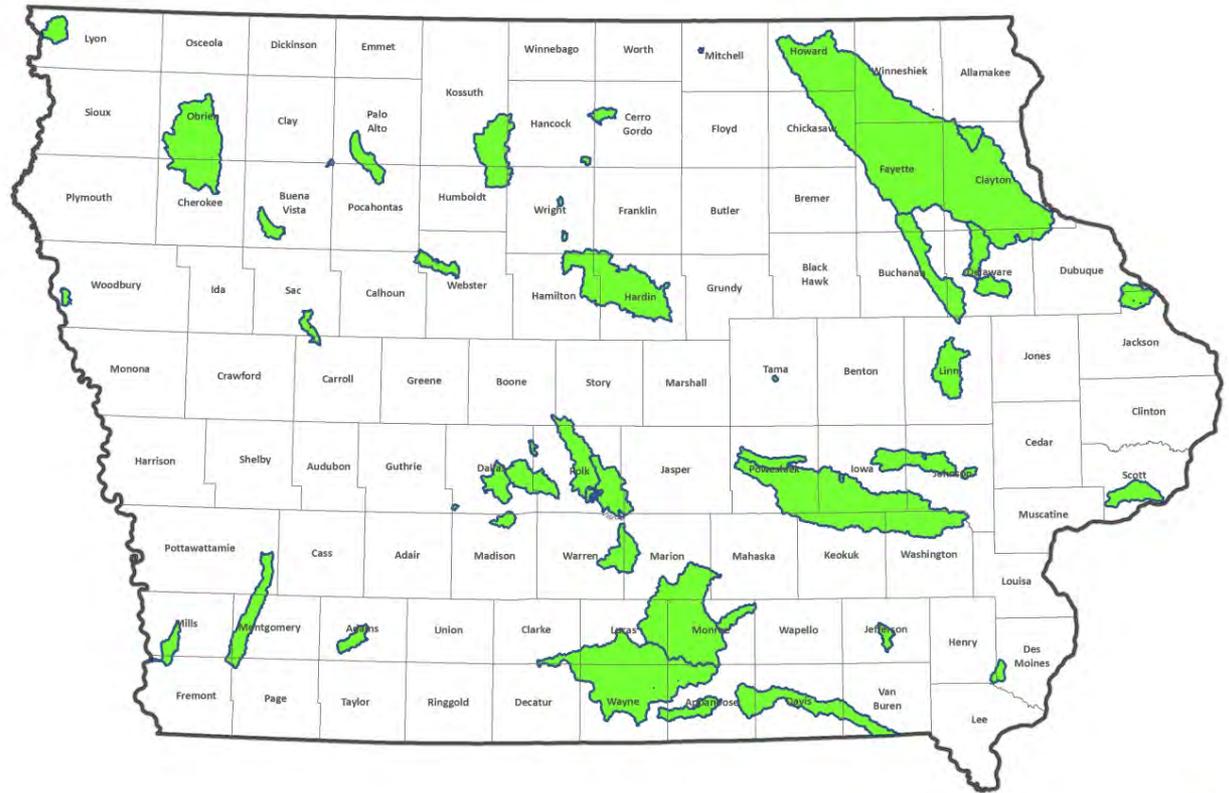


FY14 DNR/Section 319 Highlights

Goal 2 – TA and Outreach

Developed over
1000 maps for 45
different watershed
Projects funded
through:
Section 319
WSPF
WQI
WIRB

Watershed Projects Receiving DNR GIS Mapping Support, FY2014



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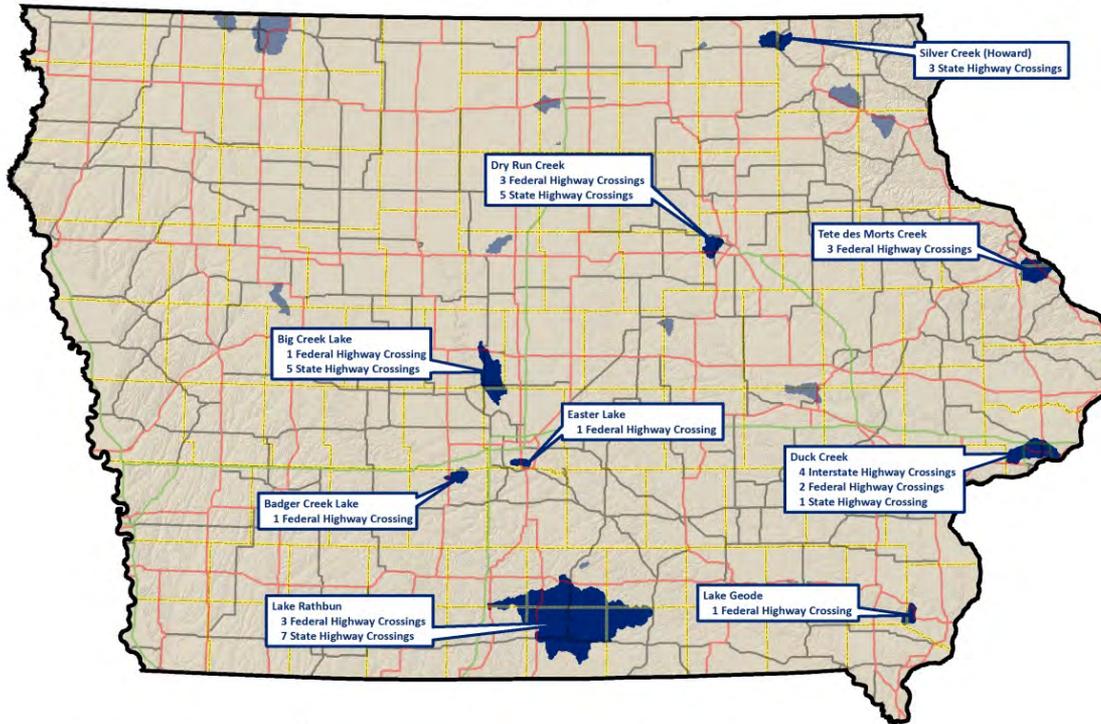


FY14 DNR/Section 319 Highlights

Goal 2 – TA and Outreach

Initiated a DOT Stream Sign Project

Active 319 Project Watersheds with Highways that Cross Named Streams



Totals:
Interstate: 4 Intersections (8 signs)
Federal: 15 Intersections (30 signs)
State: 21 Intersections (42 signs)

Stream/Highway Intersections within Active 319 Projects

- Active 319 Projects with Highway/Stream Crossings (9)
- Active 319 Projects with NO Highway/Stream Crossings (9)



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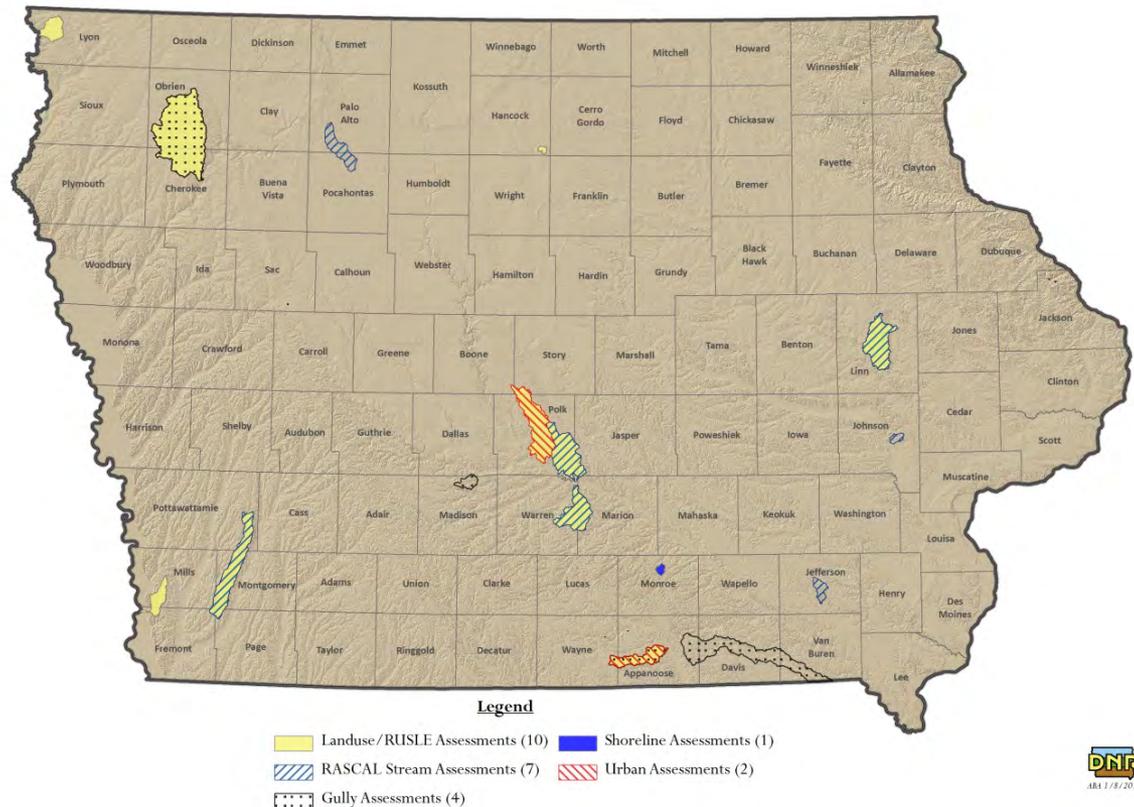
FY14 DNR/Section 319 Highlights

Goal 2 – TA and Outreach

Provided tools and technical assistance for 24 watershed assessments:

- 10 land use
- 7 RASCAL (stream)
- 4 gully
- 1 stream bank/shoreline
- 2 urban

Watershed Inventories & Assessments, FY2014



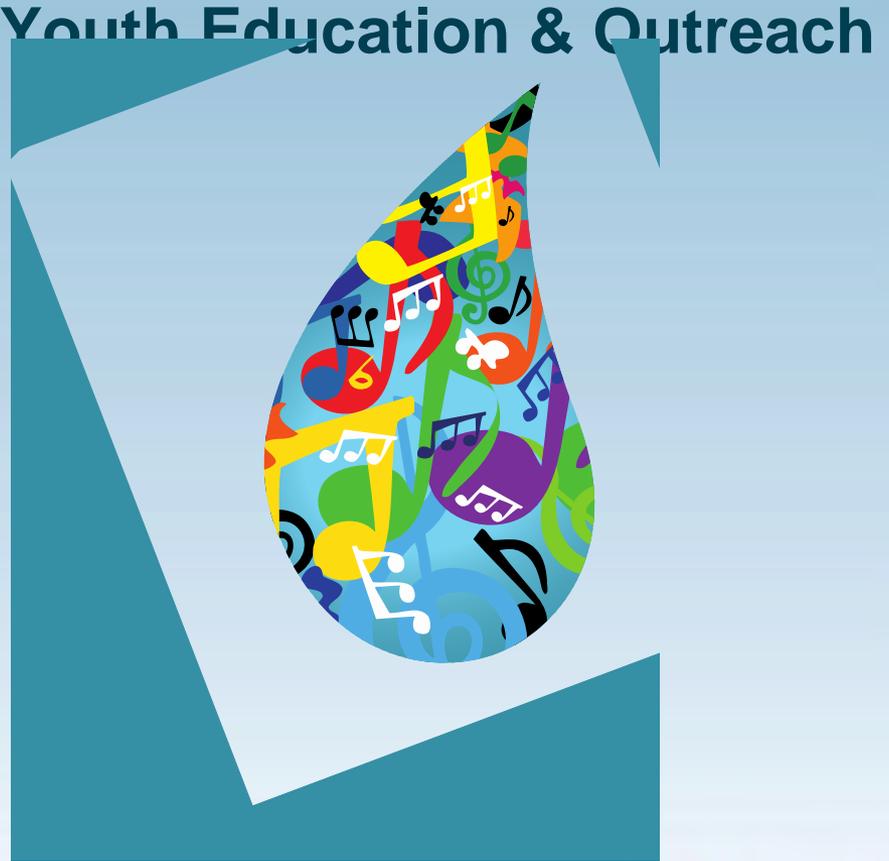
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Goal 2 – TA and Outreach

Supported Farmer and Youth Education & Outreach



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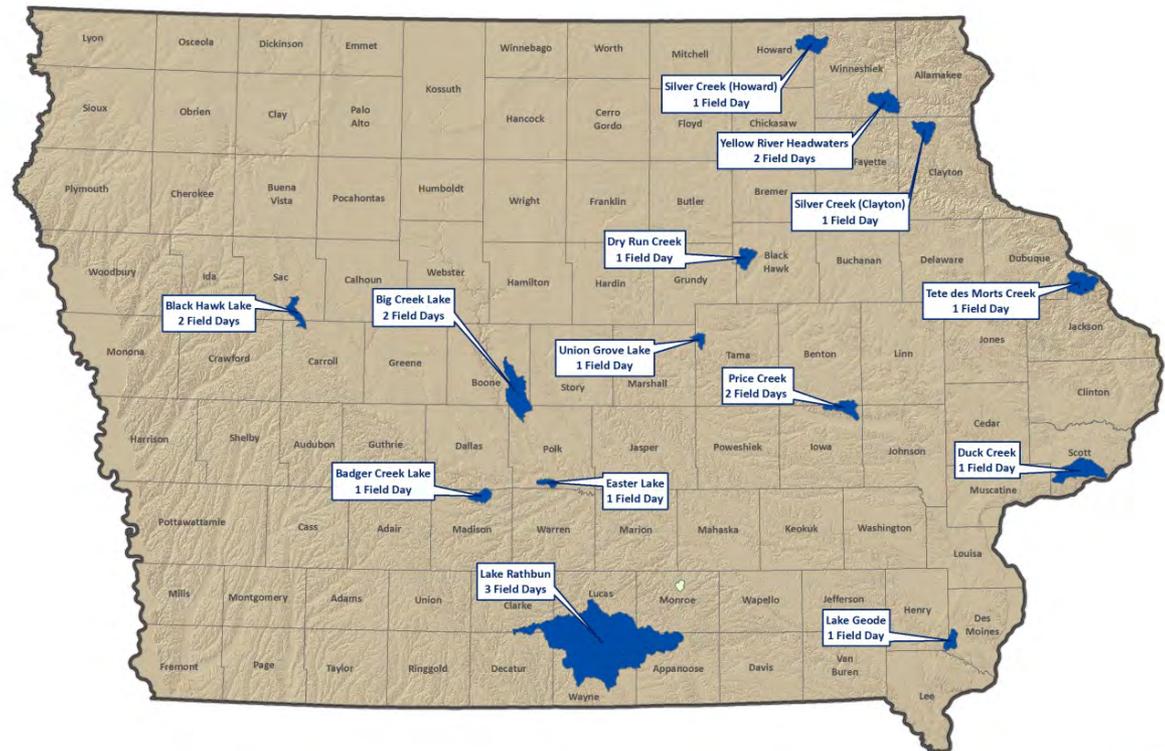


FY14 DNR/Section 319 Highlights

Goal 2 – TA and Outreach

Supported
21 field days in
15 watershed
projects

Field Day Events Held by Section 319 Watershed Projects



Legend



1/8/15/2015

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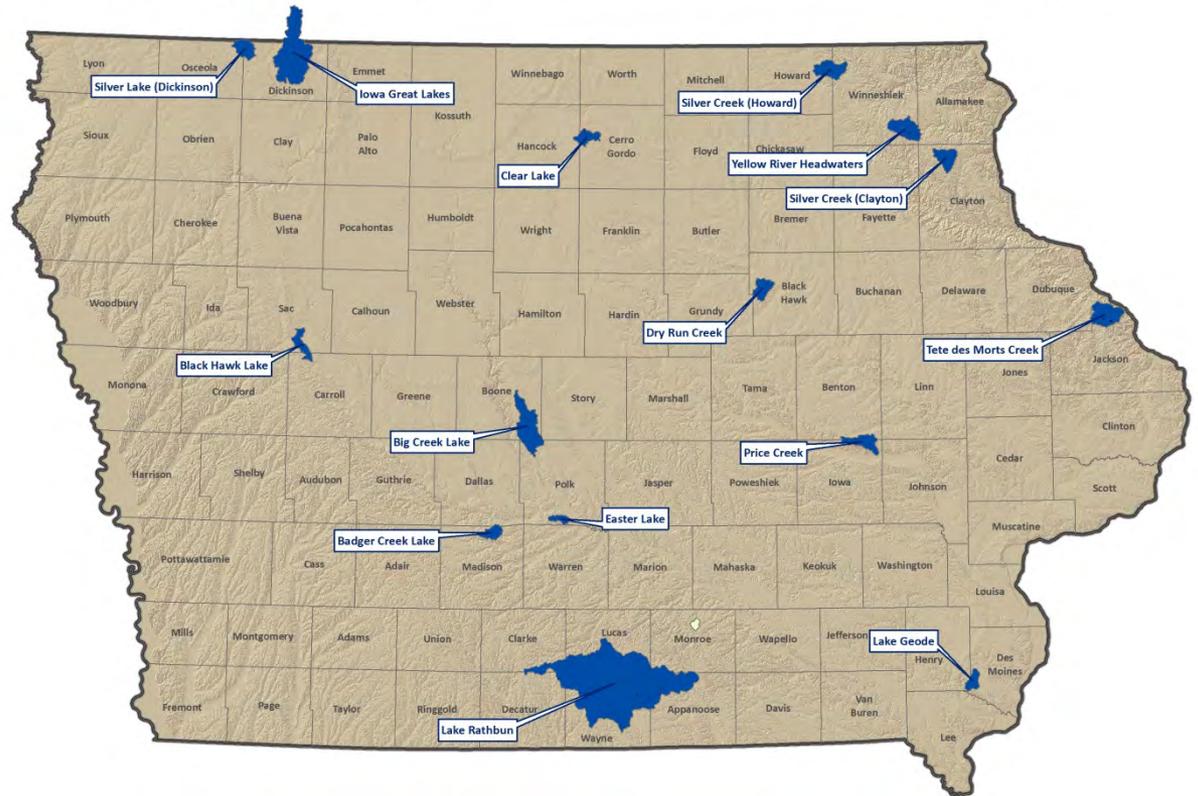


FY14 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

Conducted monitoring to track water quality improvement in 15 319-supported watersheds

Water Quality Monitoring of Section 319-funded Watershed Projects



Legend

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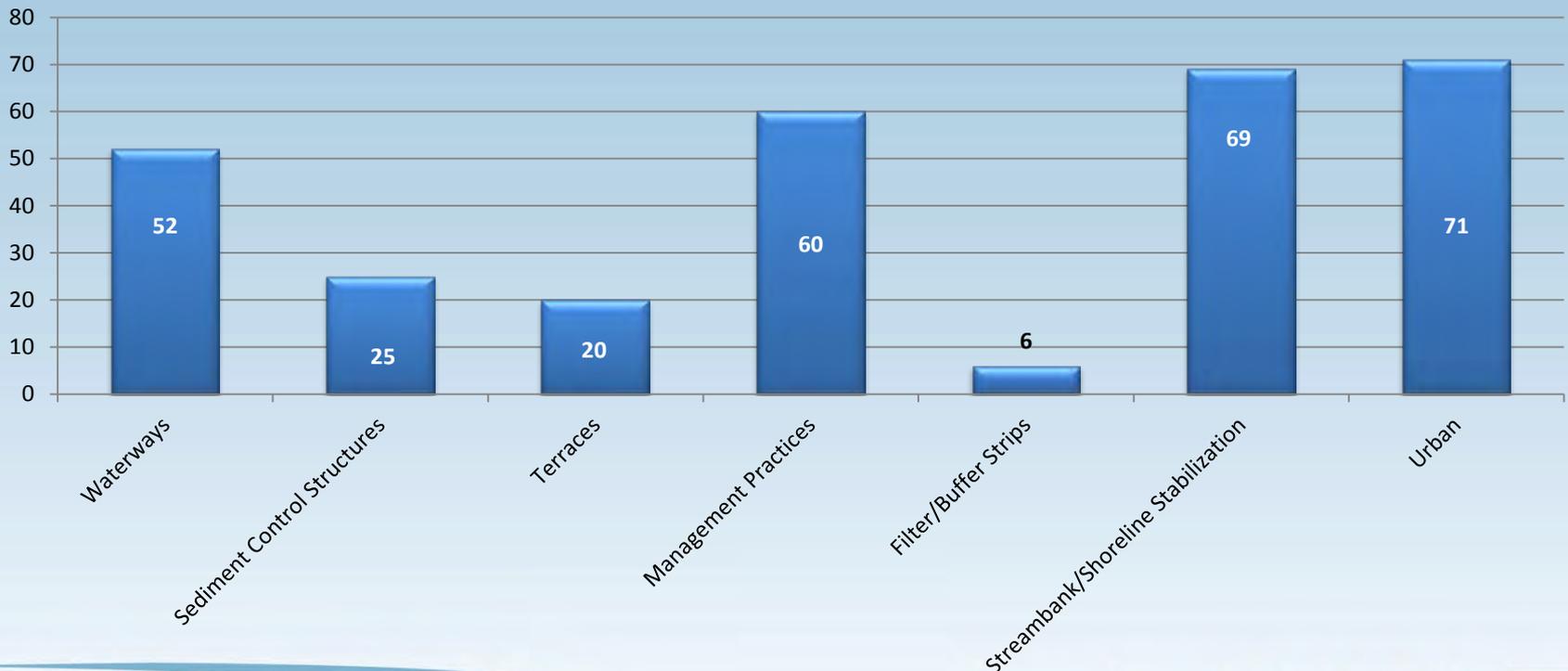


FY14 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

Supported installation of 302 BMPs

Number of Practices by Practice Type



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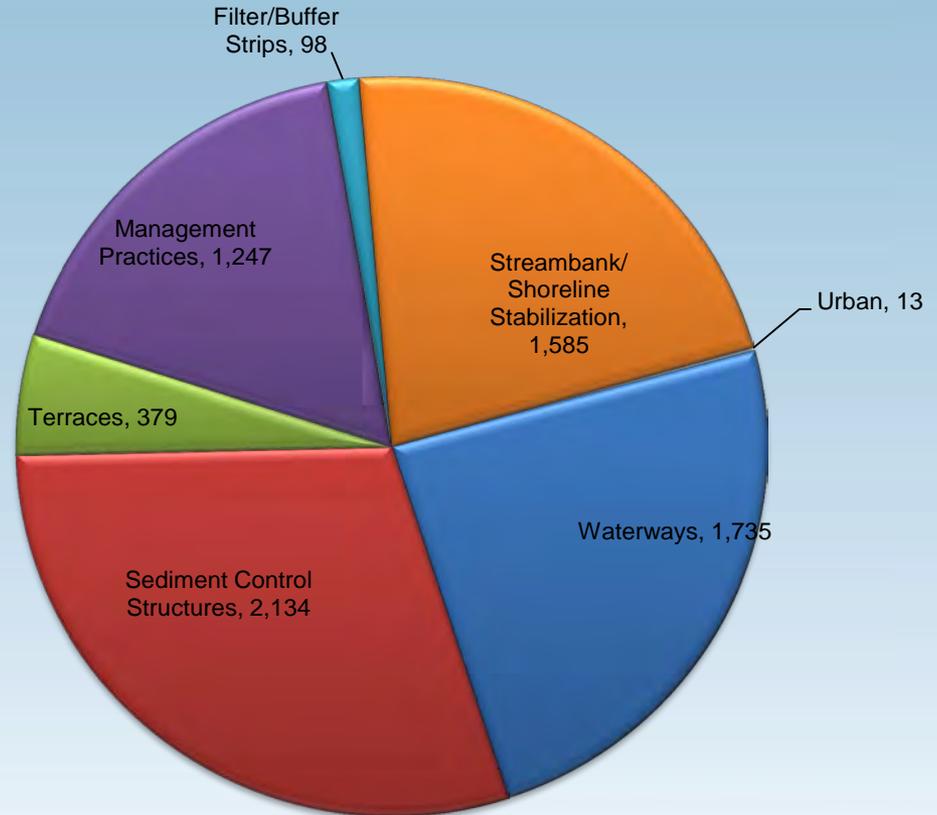


FY14 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

...which reduced sediment reaching waterways by an estimated 7,191 tons...

Tons of Sediment Reduced by Practice Type



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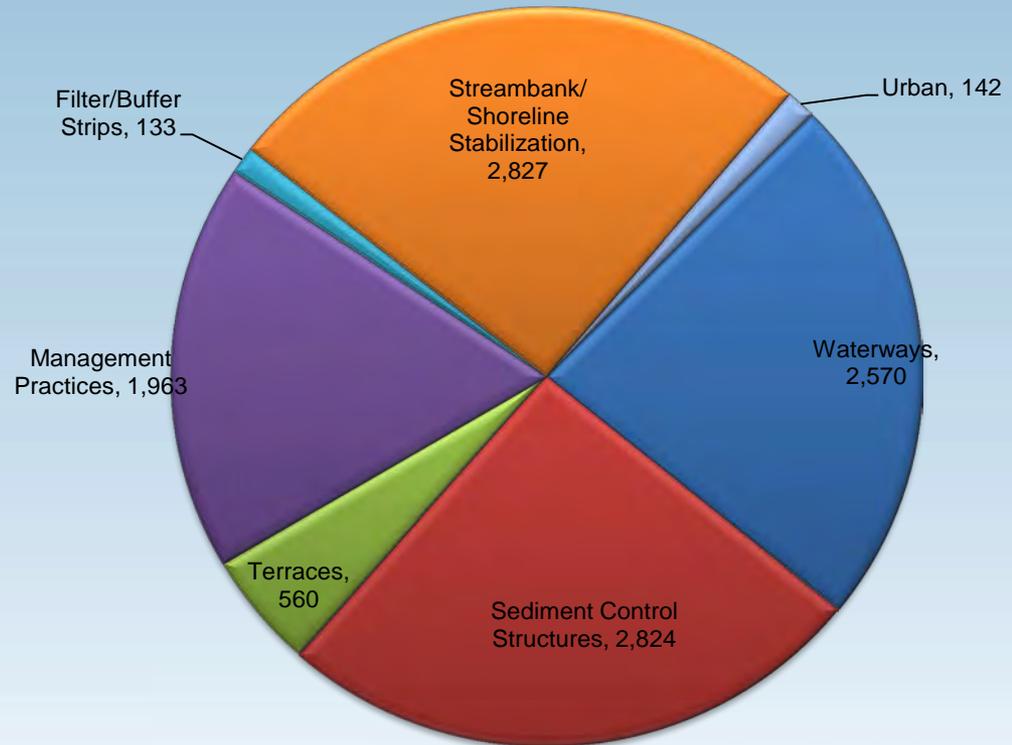


FY14 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

...and
phosphorus by
an estimated
11,019 pounds...

Pounds of Phosphorus Reduced by Practice Type



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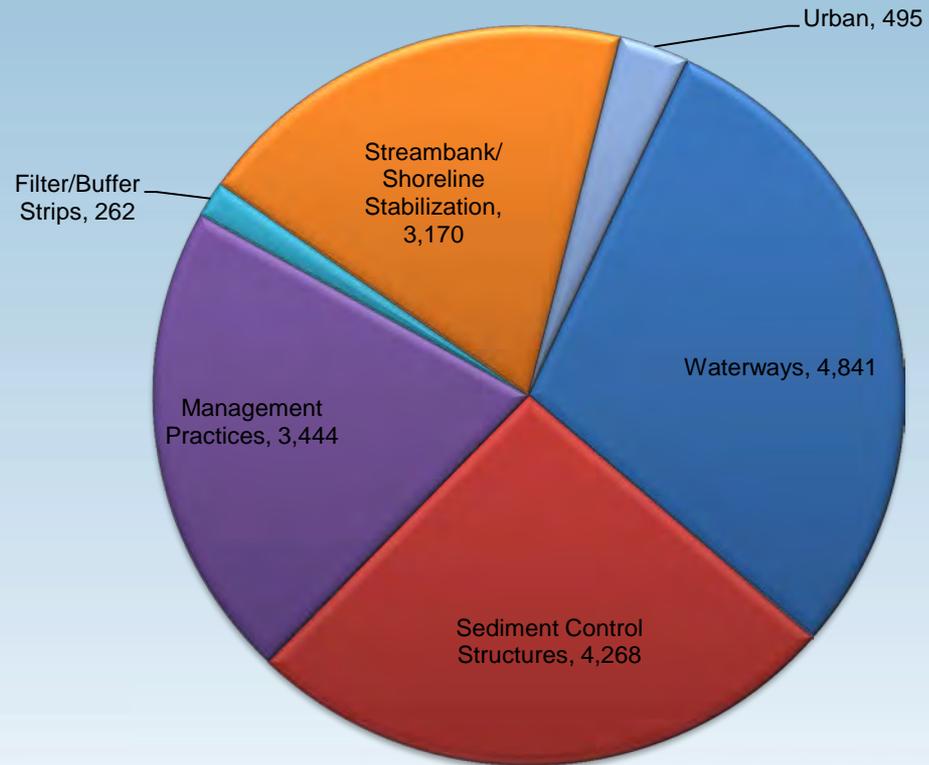


FY14 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

...and nitrogen by
an estimated
16,480 pounds.

Pounds of Nitrogen Reduced by Practice Type



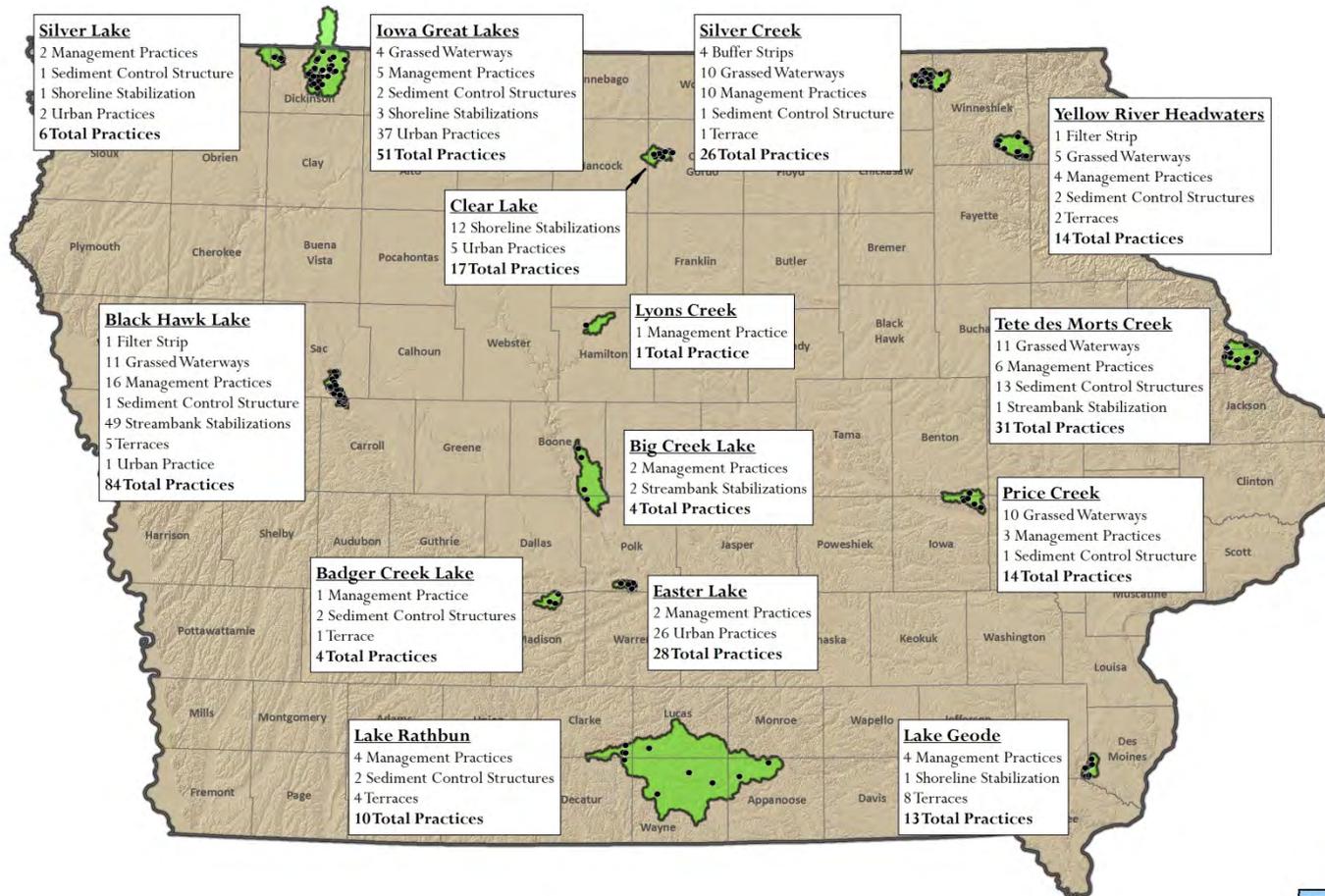
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FY14 DNR/Section 319 Highlights

Goal 3 – Science-based Performance

FY2014 Section 319 BMPs Installed



FY14 DNR/Section 319 Highlights

Goal 4 – Funding

- \$994K to 3 statewide projects
- \$2.48M to 5 local WS projects
- \$273K to 3 WMA's for planning
- \$462K over 5 years for NWQI monitoring
- 16 Sec. 319 projects leveraged \$3.8M in local, state and other federal funds
- \$12.4M in loans through CWSRF-NPS Prgm.
- \$18.8M committed to 32 SRF Sponsored Projects

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Summary

- Making progress/more to do
- Maintain momentum
- Educate & engage more stakeholders
- Measure and monitor performance
- Plan available at:

<http://www.iowadnr.gov/Environment/WaterQuality/WatershedImprovement/WatershedPlanning/NonpointSourcePlan.aspx>

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Thank You!

Questions?

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