



About PSCW

Our mission is to improve the stewardship of Scott County watersheds through education, technical guidance, and volunteer opportunities.

PSCW Board



Mike Paustian
Board Chair



Steve Gustafson
Vice-Chair



Amy Kay
Secretary



Carter Amundsen
Treasurer



Liv Humphrey
Coordinator

Rob DePover
City of Bettendorf Public
Works

Brinson Kinzer
Blue Grass Resident

Judith Lee
City of Davenport Resident

Jerry Mohr
Iowa Corn Growers'
Association

Dave Murcia
Scott County Conservation

Kay Pence
Eldridge resident

Ross Paustian
Scott County Board of Supervisors

Lisa Reisen
Iowa American Water

Brian Ritter
Nahant Marsh Education Center

Brian Wessel
City of Eldridge Public
Works



2023 Snapshot

- Spring time | May 2 | 32 Volunteers | Davenport
- Summer time | July 15 | 54 Volunteers | Eldridge
- Fall time | October 3 | 28 Volunteers | Princeton

114 Total Volunteers

A Special Thanks to ...

- EICC - Tablets
- Scott County GIS - Data Collection
- WPCP - N&P Lab analysis
- Sponsors
 - City of Davenport
 - MidAmerican CARES
 - Environmental Planning Strategies, Inc.

2023 Snapshot Data Summary

Nitrate

2023 Site Averages

- Rural: 4 ppm
- Urban: 2 ppm
- County: 3 ppm

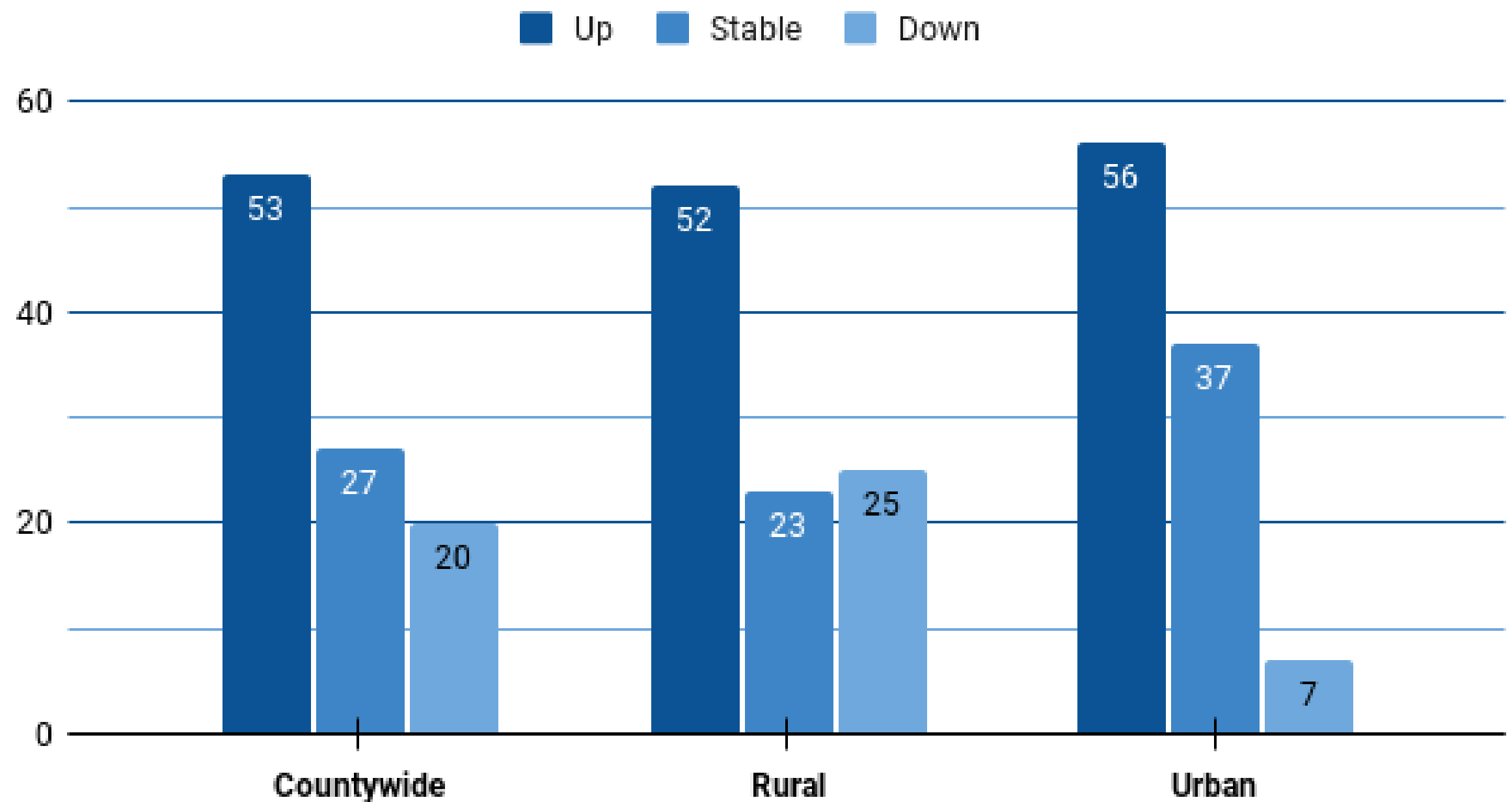
Range: 0 - 20 ppm

Database Averages

- 2023 - 3 ppm
- 2022 - 3 ppm
- 2021 - 3 ppm

Overall Average: 3 ppm

2023 Snapshot Site Trend Percentages for Nitrate



2023 By The Numbers

Education

17 K - College programs conducted

7 Community events & expo booths

1,667
Community members reached through outreach efforts

Volunteers

4 Community cleanups

42 Bags of Trash

219 Volunteer from cleanups & snapshot events

Technical Guidance

4 Site visits throughout Scott County

83 Sites tested for water quality parameters

1,015.9
Total Impact Hours



Education

K- College Programs



Worked with students from St. Ambrose University and, Bettendorf, Davenport, North Scott, Rock Island-Milan, and Pleasant Valley School Districts



Provided students with programs on ...

- Water quality testing
 - Chemical & biological
- Watershed runoff
- Water quality issues
- Litter pollution
- Native vegetation
- Soil conservation
- Riparian habitat





Special Projects



CCWMA Boat Ramp

Crow Creek Wildlife Management Areas accessible boat ramp project was completed in September, 2023. This project was in collaboration with the IA DNR. River Action's Conservation Consortium contributed \$7,500 and the rest came from the SCRA, which was \$25k+. One of series of projects PSCW has at CCWMA.





Special Projects

Duck Creek Watershed Murals

From mid-June through early September, QC Arts Artists worked on murals at Marquette Park, Junge Park, Northwest Park, and Garfield Park. PSCW plans to implement the other mural designs to Eastern Avenue Park by spring 2024.



Junge Park Mural



Grant Funding

Movement Infrastructure for Clean Water in Iowa

Over this past fall, Partners went out to 14 sites in the Hickory Creek and Duck Creek watershed to collect samples for Microbial Source Tracking (MST) as part of the grant, we are partnered on this grant with Prairie Rivers of Iowa and the funding is from the USEPA.

Fecal qPCR analyses:

- Bacteroidales-like Cow M2
- Ruminant Bacteroides
- Pig-1-Bacteroidales
- Avian associated Bacteroidales (GFD)
- Goose Bacteroidales
- Poultry parvovirus
- Canine Bacteroides
- Human Bacteroides (HF183/R287)

Our goal is to show other water quality focused organizations how to conduct qPCR testing and then we will write a report on implementation.



Grant Funding

PSCW / DUCKS UNLIMITED

Project: Scott County Iowa Working Lands for Resilient Communities

NRCS Funding Amount: \$8,000,000

Partner Contributions: \$3,193,875

The project will install Climate SMART conservation practices such as in field and edge of field wetland restoration to improve water availability, water quality, soil health, and wildlife habitat. A “batch and build” concept will be used to expedite installation of conservation practices that require engineering support benefiting multiple producer operations within Scott County. Benchmark and post treatment data from local monitoring stations will support models to report peak flow and nutrient loss reduction and carbon sequestration outcomes.



Grant Funding PSCW / DUCKS UNLIMITED

PSCW roles

- Boots on the ground
- Outreach to landowners and producers
- Targeted enrollment via GIS info
- Widespread enrollment via media, meetings, etc
- Site visits
- Technical support





Grant Funding

PSCW / DUCKS UNLIMITED

Cost share (DRAFT)

100% of actual cost share for:

- HU producers/ landowners
- Wetland and associated practices
- Non wetland practices IF they are:
 - o Located in priority watersheds
 - o If you stack practices

Elevated rates = 85% cost share

- Stacked Practices anywhere

Standard = NRCS rates 75%

- Everything else

cover crop

denitrifying bioreactor

field buffer

filter strip - native species

nutrient management (no-till)

riparian forest buffer

saturated buffer

structures for wildlife

upland wildlife habitat

wetland restoration

wildlife habitat management



20th anniversary

Thank You

www.partnersofscottcountywatersheds.org

[@PartnersOfScottCountyWatersheds](https://twitter.com/PartnersOfScottCountyWatersheds)