

2017-2018 Annual Progress Report of the Iowa Nutrient Reduction Strategy

Part Two

Reports Submitted by Partner Organizations to Assist Efforts in Quantifying Nutrient Reduction Strategy Efforts

Each year, partner organizations are invited to submit reports on their efforts related to the Nutrient Reduction Strategy. These efforts, conducted in the previous reporting period, are instrumental for measuring progress of the NRS. Each page of the report pertains to a different dimension of the NRS Logic Model (Part One, Figure 1).

The following organizations voluntarily submitted reports on their NRS efforts for the 2018 reporting period.

Water Resources Coordinating Council Members:

- Iowa Department of Agriculture and Land Stewardship**
- Iowa Department of Natural Resources**
- Iowa State University College of Agriculture and Life Sciences**
- Natural Resources Conservation Service**
- United States Army Corps of Engineers - Rock Island District**
- United States Environmental Protection Agency - Region 7**
- United States Geological Survey**
- University of Iowa College of Engineering and IIHR - Hydroscience & Engineering**

Watershed Planning Advisory Committee Members:

- Agribusiness Association of Iowa and Iowa Nutrient Research & Education Council**
- Agriculture's Clean Water Alliance**
- Conservation Districts of Iowa**
- Iowa Corn Growers Association**
- Iowa Environmental Council**
- Iowa Farm Bureau Federation**
- Iowa Pork Producers Association**
- Iowa Soybean Association**

Additional Partners:

- Iowa Agriculture Water Alliance**
- The Nature Conservancy**
- Trees Forever**

This part of the NRS Annual Progress Report first presents each organization's overview of NRS efforts, in the order that the organization is listed above. The subsequent section presents the standardized data pertaining to NRS Logic Model dimensions: Inputs, Human, Land, and Water.

An Excel version of Part Two of the 2018 NRS Annual Report is available at www.nutrientstrategy.iastate.edu/documents.

Overview of NRS efforts submitted by each organization

Iowa Department of Natural Resources

The Department of Natural Resources efforts in working toward the goals of the NRS include the following: practices on the ground (319, Lake Restoration, DNR Land Management, & SRF); PS nutrient reduction efforts (permitting, trading, monitoring); nutrient monitoring in rivers, streams, and lakes; resources for ag BMP mapping, coordination and outreach for NRS and related policy on local, regional, and national level; and source water protection efforts.

Natural Resources Conservation Service

The NRCS in Iowa supports the goals of the Iowa Nutrient Reduction Strategy in most of its programs and activities. The NRCS in Iowa provides technical assistance for conservation planning at both farm and watershed scales and conservation practice implementation. The NRCS also provides financial assistance to eligible applicants for implementing conservation practices. The NRCS also purchases conservation easements and provides both technical and financial assistance for their restoration and monitoring. Conservation Compliance activities, including spot checks on highly-erodible lands and wetland determinations, also support the goals of the INRS.

United States Environmental Protection Agency

USEPA provides significant grant funding to IDNR that includes funds that are used to support the NRS. EPA also invests human resources in the WRCC in order to keep EPA integrated in the NRS implementation.

United States Geological Survey

For the reporting period, the USGS conducted many activities in Iowa that are useful in the Iowa Nutrient Reduction Strategy. The USGS operated 19 locations in Iowa that collected real-time continuous nitrate and turbidity data in addition to a variety of other water-quality parameters such as water temperature, pH, and specific conductance. Total phosphorus data, computed as a surrogate from turbidity and other sensor data, are being computed for three sites (report in review). The USGS collected discrete nutrient samples at 85 sites in Iowa during the reporting period. In addition to the water-quality data, the USGS monitored real-time continuous streamflow at approximately 150 locations in Iowa during the reporting period. The streamflow information is critical in computing water-quality loads, such as tons per day of a particular constituent moving down a stream. An alluvial aquifer study during the reporting period collected nutrient samples along with many other constituents from approximately 60 groundwater wells in Iowa. The aquifer study is part of the USGS National Water Quality Program (NWQP). Also part of the USGS NWQP, routine stream samples for nutrients, pesticides, and other constituents were collected at five locations in Iowa. Also during the reporting period, the USGS studied the spatial variability and temporal trend in nitrogen and phosphorus transport in the Cedar River Basin. This study is in the report "Nitrogen and Phosphorus Transport in the Cedar River Basin, Iowa and Minnesota, 2000–15" and is currently in press. The USGS continued studying the environmental exposure of nitrpyrin during the reporting period. Water samples were collected at five Iowa streams and soil samples from a cropped field in Iowa. A journal article tentatively titled "Nitrpyrin fate and transport in agroecosystems: Exposure in agricultural soils, subsurface drains, and corresponding streams in the Midwestern US" is being written for publication in *Science of the Total Environment*. The USGS began studying the environmental exposure of herbicide safeners in streams (five locations in Iowa). A journal article was published in *Environmental Science & Technology Letters* to provide the first ever baseline data on the concentrations of herbicide safeners in US streams.

United States Army Corps of Engineers - Rock Island District

As a federal partner, the U.S. Army Corps of Engineers has worked with various agencies within the state to pilot innovative conversation practices, build large and small scale ecosystem restoration projects and manage a large number of federal lands near bodies of water. All these efforts assist the state with the goals identified by the Iowa Nutrient Reduction Strategy. Examples of these projects include but are not limited to the following:

Piloting Innovative Conversation Practices at Corps Reservoirs

In 2017, The Corps was able to test the efficacy of a conservation band by adjusting water levels within their current operating parameters. 2017 was a dry year with a steady lake level and the Corps was able to drop the lake 3/10 of a foot to expose mudflats that timed well with shorebird migration. The migrating shorebirds utilized the mudflats for foraging. The exposed mudflats then began to grow beneficial annual weeds that produced a food source for migrating waterfowl later in the year. The result was a large increase in shorebird and waterfowl use of the lake.

The Corps is currently working to formalize a year round conservation band in the Water Control Manuals being updated for Red Rock and Saylorville Lakes. In the future, the Corps and other partners could use this conversation band to their advantage to manipulate conditions to benefit shorebirds, waterfowl, fish and other aquatic species. Additionally, some believe this conservation band would have the ability to reduce nitrates in the water via mudflat denitrification. The Corps is currently working closely with The Nature Conservancy, University of Iowa, and the Corp's Engineer, Research and Development Center (ERDC) to fund a study that will show the potential of this conservation effort for nitrate reduction.

Upper Mississippi River Restoration Program

The Upper Mississippi River Restoration (UMRR) Program was the first environmental restoration and monitoring program on a large river system in the United States and has been recognized as the single most important effort on the Upper Mississippi River ecosystem since establishment of the National Wildlife Refuge system in the 1920's. In fact, the ecosystem restoration work done by the UMRR Program is responsible for more than 50% of all wetland acres restored by the Corps between 2005 and 2015. This systemic program covers over 1,200 miles of the Upper Mississippi and Illinois Rivers. Without the UMRR Program, the Upper Mississippi River ecosystem will degrade at an accelerated rate and the progress that has been made to preserve this national treasure for future generations will be lost. To date, the program has benefited 23,950 acres of wetland within the state of Iowa and another 15,000 acres is planned to be restored future years.

Federally Owned Lands

There is a large number of federal lands owned by U.S. Army Corps of Engineers within the State of IA. For example, the Rock Island District owns roughly 125,616 acres of land adjacent or along bodies of water with the state of Iowa. A large majority of these acres, especially along the Mississippi River, are outgranted to other entities to manage (i.e. federal, state, local partners and some private marinas). Therefore, some of these lands could be part of other partner's nutrient reduction efforts. There are various conversation practices performed on these federal lands but a comprehensive list of practices and benefits was not available at the time of this report.

University of Iowa College of Engineering and IIHR - Hydrosience & Engineering

IIHR—Hydrosience & Engineering at the University of Iowa continues to work with stakeholders throughout Iowa to further the goals of the Iowa Nutrient Reduction strategy. Our work continues to focus on the generation and interpretation of credible water quality and land use data as well as modeling efforts that help provide insights into nutrient transport and sequestration within Iowa's farmed landscape. We assist with water monitoring efforts whenever asked and this includes IDALS-funded water quality initiative (WQI) projects, where monitoring is conducted on a sub-watershed scale. These include projects at Miller Creek (Black Hawk County, 60 km²), West Fork Crooked Creek (Washington County, 241 km²), East Nishnabotna River (Audubon County, 278 km²), Squaw Creek (Story County, 508 km²), Cedar Creek (Jefferson County, 642 km²), Mill Creek (Cherokee County, 764 km²), and Boone River (Wright County, 1088 km²). A paired watershed study in the Rapid Creek Watershed (Johnson County, 16 km²) is ongoing, as is monitoring of the CREP wetland near Orchard. Median watershed size that is monitored is 498 km² with 24 sites capturing data from 100 km² or less. Collaborative monitoring projects with Grinnell College (CERA site), Coe College (Lime Creek at Brandon), ARS (Neal Smith WRA-Jasper County, Story County, Hardin County), Iowa DNR (Big Spring Fish Hatchery, several stream sites for turbidity monitoring) continue. In addition we have instrumented the effluent of the Iowa City WWTP and are currently monitoring this discharge for nitrogen and phosphorus. About 15-20 peer reviewed scientific papers have been generated over the past year from this work. The Iowa Water Quality Information System (IWQIS- <http://iwqis.iowawis.org/app/>) continues to provide an entry point into Iowa water quality for lay people and a scientific resource for agencies, policy-makers and researchers.

Agribusiness Association of Iowa

Iowa Agribusiness Environmental Partnership

The Agribusiness Association of Iowa (AAI) launched the partnership to advance environmental progress and more clearly identify the important environmental principles being applied in agronomic management – the same principles ag professionals use to help producers make informed decisions about how they manage their crops.

This program comes from agribusiness leaders in Iowa. Members of the AAI Agronomy Committee created the partnership and the AAI Board of Directors has shown their support by approving the IAEP guiding principles and implementation. Partners in the program provide growers and the general public a clear understanding of the agribusiness sector's shared environmental values and commitments, leadership in assisting farmers and landowners to advance environmental stewardship, and progress toward meeting environmental goals.

Agribusiness Association of Iowa members can sign on to the IAEP under one of two membership classes:

- Advising Members – Companies providing retail agronomy products or crop adviser services directly to farmer customers. An Advising Member works directly with farmers to implement the nutrient reduction strategy and agronomic advice principles of the Partnership.
- Supporting Members – Companies providing technologies and products for agriculture. Supporting Members typically do not provide retail agronomy products or crop adviser services directly to farmer customers. This category would include seed products, crop protection products, machinery products, insurance services, banking services, or other related agribusiness support.

MISSION STATEMENT

Build sustainable environmental stewardship by leveraging science and technologies upon existing and future plans, programs, processes, and procedures.

OUR COMMITMENT

As ag retailers and service providers to Iowa's agricultural producers we will –

- Support our crop advisors and our farmer customers in promoting the awareness, education, and

implementation of best management practices for nutrient stewardship.

- Support Iowa's Nutrient Reduction Strategy and the Iowa State University Nutrient Science Assessment recommendations for nutrient management and soil and water conservation practices.
- Incorporate the following guiding principles in our business relationships with Iowa's agricultural producers. Each principle is dependent upon achieving the end goals established in Iowa's Nutrient Reduction Strategy.
- Consider agronomic, economic, environmental and social dimensions of nutrient management recommendations such as those illustrated in the national nutrient stewardship 4Rs program (right rate, right time, right product, and right placement).

GUIDING PRINCIPLES

ENVIRONMENTAL STEWARDSHIP

As stewards of our soils, land, water we will –

- Incorporate science-based recommendations such as those from the Iowa State University Nutrient Science Assessment of the Iowa Nutrient Reduction Strategy in our recommendations to our customers.
- Recommend waiting until maximum daily soil temperatures at the 4-inch level fall to 50 degrees and trending lower before nitrogen materials are applied in the fall season.
- Recommend utilization of nitrogen stabilization products and technologies when applying nitrogen.
- Recommend managing nitrogen as a system, taking into account the nitrogen cycle; agronomic, economic and environmental factors; and available technologies.
- Recommend soil testing, at a minimum every 4 years, for analysis of phosphorus, potassium and pH levels to assist in developing sound recommendations.
- Encourage application of phosphorus when the ground is not snow-covered and frozen unless wet soils and soil compaction concerns dictate otherwise.
- Provide and convey to our farmer customers information on the 4R principles and the importance of following these guidelines of the Iowa Agribusiness Environmental Partnership to minimize environmental impact, optimize harvest yield and economic returns, and maximize agricultural input utilization.

ADVISORY SERVICES AND RESOURCE SUPPORT

We support the use of –

- Certified crop advisors as preferred advisory resources to agricultural producers.
- Continuing education requirements for certification of our crop advisors.
- Iowa's agricultural organizations, associations, researchers and educators in supporting and assisting the adoption of nutrient reduction practices by Iowa's agricultural producers.
- Local on-farm nutrient practice trials and comparisons to strengthen, enhance and assure continual improvements to our nutrient stewardship practices and recommendations.



INREC MISSION – PROGRESS MEASUREMENT

INREC FUNDED PROJECTS SUPPORTING PROGRESS MEASUREMENT

Measuring Progress

In 2015, the Iowa Nutrient Research and Education Council (INREC) was formed with a primary mission to measure Nutrient Reduction Strategy (NRS) progress in the state of Iowa. INREC is now in the final stages of testing the official progress measurement tool for the state of Iowa.

Utilizing an INREC developed survey, a statistically representative sample of data from ag retailer records will be collected and analyzed to measure levels of farmer implementation of nutrient reduction practices across the state. Iowa State University will assess aggregated data collected by the survey to provide scientific calculations of the tonnage of nutrient loss reductions stemming from the measured practice adoption levels. Because the survey relies on verifiable data from retailer records, the assessment of progress will capture practices implemented privately without government cost share as well as those implemented through government programs.

When the pilot project wraps up, Iowa's official measurement tool will be ready to collect progress information on an annual basis.

INREC has been actively involved in two other projects to provide the needed information

to provide a highly detailed accounting of environmental stewardship that often happens outside of government programs.

Establishing The Baseline

INREC funded the same Iowa State University science team that worked on the nutrient assessment for the Iowa NRS in 2012 to use the same methodology and provide a nutrient assessment for the baseline years of 1980-1996 (see bottom of page for a detailed explanation of the NRS baseline assessment). The completion of a baseline assessment provides an historic point of comparison for both phosphorus and nitrogen.

This assessment shows that from the baseline period of 1980-1996 to the time of the establishment of the Iowa NRS that phosphorus losses have dropped 22 percent largely attributed to the widespread adoption of decreased tillage. The assessment also shows that nitrogen use efficiency has increased significantly, as crop yields have increased while nitrogen losses have remained mostly steady.

Progress You Can See

Another important project funded by INREC has been the mapping of Best Management Practices (BMP) using satellite images and LiDAR elevation

data. The project utilizes Geographic Information Systems (GIS) software to analyze digital elevation information and aerial imagery to identify existing soil conservation practices within each watershed across the state. The project maps Terraces, Water and Sediment Control Basins (WASCOBs), Grassed Waterways, Ponds, Contour Strip Cropping and Contour Buffer Strips. These practices help control phosphorus loss by reducing soil erosion. This project will provide a statewide "basemap" of existing practices for the period from 2007-2010 (concurrent with the years of LiDAR availability), as well as an assessment of the presence of these practices in the 1980s by utilizing historic aerial imagery.

The final component of the project will utilize recent aerial imagery to assess the current status of BMPs. These three components will provide a highly detailed assessment showing how practice adoption levels have changed over time, providing Iowa with yet another metric for tracking progress of the Iowa NRS.

Taken all together, INREC has made it possible for Iowa to get the most accurate and complete picture of nutrient stewardship in agriculture.

IOWA NUTRIENT REDUCTION STRATEGY BASELINE

TIMEFRAME ASSESSMENTS

The Iowa Nutrient Reduction Strategy (Iowa NRS) is now in its fifth year. Iowa's row crop producers continue to make progress with increased use and establishment of various nutrient reduction practices.

You may be wondering, "What are we comparing our progress to?" The short answer is the years 1980-1996. We'll simply refer to it as the Baseline. This period is consistent with the baseline utilized by the Gulf of Mexico Hypoxia Task Force and was established as the official baseline for Iowa in the first bill signed by Governor Kim Reynolds in 2018.

TODAY COMPARED TO THE BASELINE

- Iowa NRS provides scientific basis for practices proven to reduce losses
- With a 22 percent reduction in phosphorus losses, Iowa agriculture has nearly met the 29 percent nonpoint source reduction goal
- Iowa agriculture has greatly increased corn production without significant increases in nitrogen transport
- Iowa farmers and their advisers continue to increase adoption of NRS practices as they balance conservation, efficiency, and productivity.

Agriculture's Clean Water Alliance

Agriculture's Clean Water Alliance (ACWA) is an association of ag retailers operating in the Des Moines and Raccoon river basins. ACWA functions as a nonprofit organization funded by member dues based on a percentage of our annual nitrogen fertilizer sales, associate member dues and grants. ACWA, along with partners, actively works to accelerate nutrient reduction practice adoption throughout the watersheds to improve water.

Key ACWA Projects:

- 4R Partner and Environmental Code of Practice

Nutrient stewardship is a fundamental principle for ACWA members. ACWA members advocate and use 4R nutrient stewardship principles, which are globally accepted standards of best practices for cropping systems. Additionally, all members agree to abide by the ACWA Environmental Code of Practice guiding practicable guidelines for fall N fertilization.

- Elk Run Water Quality Initiative

ACWA is the lead partner of a state funded demonstration project working to ramp up implementation of conservation practices that improve and protect water quality. The project also receives support from 16 other partners.

- Water Monitoring

ACWA monitors more than 75 stream sites, as well as supports field scale monitoring at more than 150 locations. Monitoring data helps characterize water conditions upstream further enabling members and partners to focus efforts on long-term work with farmer customers and groups in subwatersheds. Edge of field water monitoring shows some promising results for water quality practices. Bioreactors averaged 43% concentration reduction. Fields with cover crops averaged 4.7 mg/l lower concentration than fields without cover crops.

Iowa Corn Growers Association

Iowa corn growers farm sustainably to ensure their future in farming. A big part of that is an emphasis on clean water. Iowa Corn supports the Iowa Nutrient Reduction Strategy and actively encourages farmers to adopt additional conservation practices. The Iowa Corn Promotion Board administers Iowa corn checkoff funds for water quality research and education efforts, and the Iowa Corn Growers Association utilizes our grassroots network to encourage farmer to farmer information exchange. The collaborative nature of the strategy and Iowa's farming community has led us to join multiple partnerships including the Iowa Agriculture Water Alliance, Iowa Nutrient Research & Education Council, Soil Health Partnership, 4R Plus, and many local efforts such as watershed projects. We contribute both direct financial and in-kind resources to these efforts and are proud of the progress these partnerships have made in just a few years.

Iowa Environmental Council

The Iowa Environmental Council works to strengthen the Iowa Nutrient Reduction Strategy by advocating for 1) the adoption of timelines for achieving the statewide 45% nitrogen and phosphorus pollution reduction goal, 2) the adoption of local nutrient pollution reduction goals, 3) the establishment of consistent water quality monitoring with benchmarks to measure progress, and 4) the establishment of adequate and sustainable funding for implementation. This includes advocating for increased funding for farm conservation programs and plans to increase the scope of adoption of conservation practices. It also includes advocating for adequate funding for watershed planning, coordination, and assessment.

Iowa Farm Bureau Federation

IFBF Iowa Nutrient Reduction Strategy Implementation Highlights

June 1, 2017-May 31, 2018

State Legislation

The Iowa Farm Bureau Federation actively supported 2018 legislation to create a long-term, sustainable funding source to help advance the Iowa Nutrient Reduction Strategy. Senate File 512 dedicates a total of \$270 million in new funding over the next 12 years, as follows: \$141 million to nonpoint (ag land) edge-of-field and in-field conservation practices, and \$129 million for point source efforts, including a grant program, a revolving loan fund, urban conservation, and watershed projects that benefit both point source and nonpoint source efforts. This historic legislation was the first bill signed by Governor Kim Reynolds in the 2018 session. In addition, Farm Bureau supported \$10.575 million in annual funding for the strategy and the Iowa Department of Agriculture & Land Stewardship's implementing Water Quality Initiative, \$7.835 million for the soil conservation cost-share program, and \$1.875 million for the ag drainage well closure program.

County Farm Bureau Activities

There were at least 39 county Farm Bureaus that organized, participated in or cooperated in 63 field days, meetings or tours or other events or campaigns in support of the Iowa Nutrient Reduction Strategy's information, education and outreach activities during the last year. There were at least 2,989 persons attending these events. There was an estimated \$47,046 invested in these local and county events.

SHARE Grants

The IFBF Share Fund provided \$37,615 for eight new local soil and water conservation projects in 10 counties in March 2018. The IFBF Share Fund supports specific watershed projects, adoption of soil and water conservation practices and outreach related to implementation of the Iowa Nutrient Reduction Strategy.

The Spokesman

The Farm Bureau Spokesman had approximately 100 print articles on conservation issues related to the recommended practices of the Iowa Nutrient Reduction Strategy. In addition, the March 28, 2018 Conservation & Water Quality supplement included 10 print articles specifically related to the strategy's recommended practices. The weekly circulation of The Farm Bureau Spokesman is 90,000. In addition, Family Living, with a circulation of 45,000, had 5 feature articles on conservation issues related to the recommended practices of the Iowa Nutrient Reduction Strategy.

Iowa Minutes

Two Iowa Minutes on conservation practices related to the Iowa Nutrient Reduction Strategy were produced by the IFBF in the last year. These 60-second news features highlight the role that agriculture and Farm Bureau play in the lives of Iowans, and shows the good work Iowa farmers are doing to protect the soil and improve their watersheds. Each Iowa Minute runs approximately one month reaching 2.6 million households throughout Iowa, and parts of Omaha, Missouri and Illinois. Iowa Minutes are promoted and shared on multiple Farm Bureau websites and social media channels. The conservation-themed features also air nationwide on Rural Radio SiriusXM Channel 147 as informative news stories, not paid advertisements.

Conservation Counts Iowa Campaign

Ag Week Radio Promotions – The IFBF produced :60 sec. and :30 radio spots that ran statewide during National Ag Week (March 18-24, 2018) with updated messages promoting the progress farmers have made through conservation efforts, and invited listeners to visit the Conservation Counts Iowa website to learn more. Radio spots ran statewide reaching hundreds of thousands of Iowans. Radio ads worked to show that farmers are taking on the challenge of improving water quality and their efforts are working.

Conservation Bike Trail Signage

The IFBF produced bike trail signage along the High Trestle Trail near Ankeny that showcases the conservation practices that farmers are using to protect waterways from run-off and erosion to the hundreds of bikers that travel the trail. Two farms currently have signage up with several more to come.

Innovation in Iowa Magazine

The IFBF paid for and produced a 2-page spread in the Water in Iowa special section of the May 2018 edition of Innovation in Iowa magazine. Spread showcased the water quality progress farmers are making through collaboration. The magazine prints 10,000 copies with a total readership of 39,000 Iowans.

Conservation Farmer of the Year Award Sponsorship

Fifth-generation farmer Chris Teachout of Shenandoah was honored with the 2017 Iowa Conservation Farmer of the Year award, July 17, 2017, during the 71st annual Iowa Soil and Water Conservation District Commissioners Annual Conference in Altoona. The prestigious conservation award, co-sponsored by the Iowa Department of Ag and Land Stewardship and the IFBF, honors an Iowa farmer who has a proven track record of excellence in soil conservation and water quality improvements and is committed to continuing land and water improvements. Now in its 65th year, the Conservation Farmer of the Year Award is designed to help raise awareness about the importance of caring for Iowa's fertile lands and vital waterways and to acknowledge those who accept the challenge of continuously working to improve conservation. Teachout received use of a new John Deere 6E utility tractor for a year or 200 hours. The grand prize is courtesy of Van Wall Equipment of Perry and is valued at more than \$12,000. Teachout took delivery of the John Deere from his local John Deere dealer, AgriVision of Hamburg.

INRS Leaders Newsletter

There were 11 IFBF Iowa Nutrient Reduction Strategy monthly e-newsletters sent during the last year to the 1,794 county Farm Bureau board members, IFBF board members, and IFBF staff working on conservation and natural resource issues. The newsletters highlight statewide activities of many organizations and encourage active county Farm Bureau strategy implementation roles.

News Services & Media Relations

There were 32 posts to media and message-trained members of Farm Bureau's "F.A.R.M. Team" (Farmer Advocates Reaching Mainstreet), to encourage them to engage the public and share their contributions to soil and water quality. Public relations staff shared conservation progress figures and effective messages to FARM Team members specifically to share on social media during IDALS' "Soil and Water Conservation Week" in May and during Ag Week (March) and Earth Day (April). The IFBF also recruited members to speak about conservation efforts on their farm during the public comment period during the state EPC meeting when stricter regulations were being considered. Results included more than 50 additional letters submitted by members to local and statewide newspapers, highlighting the conservation progress they've made on their farms and the guidance they sought from the INRS.

Conservation Themed Training, Education & Outreach

In February 2018, 70 members participated in an all-day public relations training including two conservation-focused breakout sessions. One session educated members about writing and submitting letters to the editor focused on conservation, and shared social media tools and tips to help members engage non-farming community members and showcase their watershed improvement activities. Additionally, five county and regional F.A.R.M. Team trainings were held, to encourage members to engage consumers by sharing conservation messages.

The same water quality/conservation messaging guidance was provided to 28 additional up-and-coming county Farm Bureau leaders in March, with more than two dozen conservation-themed editorials written and sent to local and statewide media.

Each month, an e-newsletter is distributed to more than 162 F.A.R.M. Team members with tips for sharing conservation examples and progress with consumers. Additional information including conservation progress statistics and media stories to share are included to help members promote dialogue about conservation.

Fresh content and consumer engagement ideas and educational messages are regularly posted to Farm Bureau's F.A.R.M. Team Facebook group, which is a closed page for 162 media-trained FARM team members who work to highlight conservation progress, so individual members can share those messages and positive stories through their own channels.

Digital Marketing

The pages and articles on ConservationCountsIowa.com received roughly 17,309 pageviews. The most popular content included articles (roughly 11,967 pageviews), the field days page (1,741 pageviews), and the home page (1,145 pageviews). The most popular articles were:

- "Farmers' water quality efforts help trout flourish in NE Iowa" (1,081 views)
- "'No tillage November' campaign urges farmers to leave the stubble" (670 views)
- "An open call for nominations to find Iowa's best conservation farmers" (571 views)

Iowa Pork Producers Association

The Iowa Pork Producers Association continues to support efforts aligned with voluntary implementation of the Iowa Nutrient Reduction Strategy (NRS). IPPA continues to provide significant operational funding for the Iowa Agriculture Water Alliance and Iowa Nutrient Research and Education Council who leverage these funds for additional support, measurement and outreach efforts. IPPA continues to fund valuable research at Iowa State University investigating benefits, opportunities and potential barriers to implement cover crops in manure based cropping systems and assess decisions for manure management. Additionally, IPPA continues to offer field day sponsor support to Water Quality Initiative and other projects related to the NRS and has allocated funds, in coordination with IDALS, to offer additional cost share for installation of bioreactors and saturated buffers on pork producer's farms. Finally, IPPA continues to support seminars, messaging and publication stories highlighting positive steps of Iowa pork producers through the Iowa Pork Congress, Iowa Pork Producer magazine, general press releases, farmer newsletters and other outreach.

Iowa Soybean Association

In pursuit of meeting the needs of the Iowa Nutrient Reduction Strategy (INRS), the Iowa Soybean Association Environmental Programs & Services, On-Farm Network, and Analytic teams (ISA Research) offers leadership, scientific, and technical services to farmers, watershed groups and conservation partners. The primary strategy seeks to advance science-based and data-driven programming resulting in improvements for natural resources and environmental quality, while also leading to more productive, efficient and profitable soybean production. This work is primarily driven by engaging and empowering farmers directly in locally relevant geographic initiative projects as well as projects at farm field and edge of field scales. Dedicated projects seek to catalyze leadership, target actions, implement management solutions and research practices best suited to their resource concerns and opportunities to improve. Historically, ISA Research has coordinated our efforts with upwards of 80 plus partners. ISA Research annually works to leverage the Soybean Checkoff funding with numerous other non-checkoff projects with support via public and private grants and contracts.

Projects have included complete watershed characterization and planning, nutrient management planning, agronomic field trials/testing, technical assistance, and implementation and performance monitoring of in-field and edge-of-field practices including oxbow restorations, bioreactors, saturated buffers and cover crops. ISA Research staff manage a water quality testing lab at ISA which provides services to help characterize stream, lake and groundwater quality and documents the relative effectiveness of implemented conservation practices. The laboratory is certified for nitrate/nitrite, fluoride, and coliform analysis by the State of Iowa.

ISA Research highlights for the 2018 INRS reporting period include:

- Over 40 projects addressing soil conservation, water quality, and other nutrient reduction strategy efforts
- \$2,986,888 in dedicated funding towards soil conservation, water quality, and nutrient reduction
- 3,120 water samples collected and analyzed
- 96 media pieces showcasing nutrient reduction strategy efforts
- Numerous fields days, tours, watershed events, and conferences

Iowa Agriculture Water Alliance

Iowa Agriculture Water Alliance (IAWA) uses the science-based Iowa Nutrient Reduction Strategy to work with urban and rural stakeholders with the goal of reducing nitrogen and phosphorus in Iowa's waterways by 45 percent. We work directly with influencers in communities, farmer organizations and conservation organizations, as well as farmers and other urban and agribusiness partners to drive the adoption of practices through education events, technical and financial assistance, and innovative approaches that incentivize conservation through public and private sectors. In addition, we work to strengthen and expand communications and outreach around water quality in a manner that supports faster adoption of conservation practices.

Over the past year, we continued our commitment to increasing the pace and scale of farmer-led efforts to improve water quality and advancing the Iowa Nutrient Reduction Strategy. This work is reflected in several innovative projects including the Midwest Agriculture Water Quality Partnership, the Conservation Infrastructure Initiative, the Miller Creek Challenge, and the Iowa Watershed Awards.

The MAWQP RCPP, a \$48M project co-led by IAWA and IDALS, has continued to support farmers interested in installing edge of field practices like bioreactors and saturated buffers, improving nutrient management plans and applying cover crops. The three batching dates in this reporting period have generated over 120 applications and will help to fund over \$2.9 million in anticipated cost share contracts for various conservation practices in priority watersheds and counties across the state.

The Conservation Infrastructure (CI) Initiative is a project that has been building over the past two years to increase investment and engagement from the private sector in implementing the Iowa NRS while creating jobs and economic development opportunities. The CI Initiative identifies barriers to scaling up conservation practices and recommends solutions including by making these practices economically compelling and easier to implement. This past year, the Strategy, Cover Crops, and Conservation Drainage Working Groups developed a set of 47 recommendations that will help advance the adoption of conservation practices. These recommendations were ranked via a survey using likelihood of success and effectiveness and then vetted by the attendees at our CI Conference in November 2017. Since the conference, IAWA has worked with the three Working Groups and IDALS to develop a CI Action Plan that will help move these recommendations forward. The CI Action Plan will be referenced in the next update of the Iowa NRS and housed on IAWA's website and updated as needed.

When the Miller Creek Watershed Water Quality Improvement Project outgrew the available local, state, and national cost-share funding for conservation practices earlier this year, IAWA helped them design the Miller Creek Challenge Grant. Over the past three years, cover crop acreage in the watershed has increased from 1000 acres to about 6000 acres. IAWA contributed \$13,500 towards half of the 2017 cost-share deficit for cover crops and encouraged the Miller Creek project to seek additional funding from the community with a challenge grant. The "Miller Creek Challenge" has been established, with a goal of raising \$100,000 to match future contributions for conservation practices by farmers in the watershed.

Across Iowa, watershed communities are working together to improve water quality, build soil health, and reduce flood risk. To honor watershed coordinators and the essential role they play to improve water quality, IAWA along with Iowa State University, Iowa Department of Agriculture and Land Stewardship, Iowa Department of Natural Resources, and Conservation Districts of Iowa worked together to launch the new Iowa Watershed Awards. Sponsored by IAWA, the Iowa Watershed Award will recognize honorees with Circle of Excellence Awards and one Watershed Coordinator of the Year Award each year along with funding for their local watershed program and for professional development.

Other IAWA projects that have continued to move the needle on implementing the Iowa NRS include the Middle Cedar Conservation Collaboration Grant (CCG), and the Iowa Corn Edge of Field Grant for Education and Outreach.

IAWA also runs stories on water quality and conservation practices in each issue of the Iowa Pork Magazine; supports partner field days through sponsorships, speaking opportunities, and social media outreach; and runs monthly features on farmer leaders or covers conservation "hot topics" on our website.

The Nature Conservancy

The Nature Conservancy is working in select watersheds (the Boone, Cedar and Des Moines watersheds) and across the state to reduce nutrient runoff and improve soil health. Our strategies involve practices on fields, at the edge of field, and downstream in the watershed. Projects include a) wetland and oxbow restorations and floodplain protection to provide multiple benefits including water quality, flood storage and wildlife habitat; b) the 4R Plus project (the 4Rs of nutrient management, plus conservation practices) where the Conservancy is playing a leadership role with CF Industries, Agribusiness Association of Iowa, and over twenty other organizations developing training modules and implementing a statewide 4R Plus campaign to educate and provide materials to ag advisors that they can use with their producers; c) private investment funding to leverage with state and federal funding programs; d) monitoring and research to better understand the benefits and impacts of best management practices; e) supporting policies that adequately fund practice implementation, technical assistance and encourage implementation of appropriate land use. The Conservancy is also a member of the Midwest Row Crop Collaborative and the farmer-led Soil Health Partnership, providing technical support towards accelerating environmentally friendly agricultural practices in the upper Midwest including Iowa. In Iowa, the Soil Health Partnership currently has over 28 private farms testing and measuring management practices that improve soil health and benefit farmers' operations.

Trees Forever

The Trees Forever Working Watersheds: Buffers & Beyond program is a visionary combination of planning, grassroots outreach and education, landowner engagement, and the design and implementation of on-farm conservation demonstration sites.

By getting roots in the ground all year long through agroforestry practices like buffers, windbreaks, alley cropping and more, we can achieve environmental resilience and make progress on the goals of the Iowa Nutrient Reduction Strategy.

To this end, Trees Forever provides cost share and technical assistance to at least 10 landowners/farmers per year for implementation of conservation practices that improve water quality and provide multiple benefits.

Iowa Department of Agriculture & Land Stewardship

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Staff resources for implementing the NRS and/or water quality improvement	
	FTEs
Infrastructure staff (e.g. administrative support)	116.45
Research Staff	
On-the-ground implementation staff	62.4
Other	

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding?	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding
1	Ag Drainage Well Closure (ADW)	\$ 1,875,000		State Agency	Annual Appropriations	Dependent on annual appropriations from the Iowa Legislature	19	Infrastructure, implementation
2	Conservation Reserve Enhancement Program (CREP)	\$ 1,000,000		State Agency	Annual Appropriations	Dependent on annual appropriations from the Iowa Legislature	15	Infrastructure, implementation, monitoring
3	Groundwater Protection Fund *	\$ 754,512		State Agency	Sustained Funding	Indefinite*	26	Infrastructure, monitoring, research
4	Integrated Farm and Livestock Management Fund (IFLM)	\$ 375,000		State Agency	Annual Appropriations	Dependent on annual appropriations from the Iowa Legislature	17	Infrastructure, research, outreach
5	District Initiatives/Iowa Buffer Initiative	\$ 900,000		State Agency	Annual Appropriations	Dependent on annual appropriations from the Iowa Legislature	18	Infrastructure, implementation
6	Iowa Financial Incentives Program (IFIP)	\$ 8,325,000		State Agency	Annual Appropriations	Dependent on annual appropriations from the Iowa Legislature	44	Infrastructure, implementation, research
7	Iowa State Revolving Fund (SRF)	(See IDNR Partner Report)		Federal Agency - jointly with IFA and DNR	Annual Appropriations	Dependent on annual appropriations	13	implementation

8	Resource Enhancement and Protection Program (REAP)	\$ 2,400,000		State Agency	Annual Appropriations	Dependent on annual appropriations from the Iowa Legislature	29	Infrastructure, implementation
9	Soil and Water Conservation Administration	\$ 3,800,000		State Agency	Annual Appropriations	Dependent on annual appropriations from the Iowa Legislature	6	Infrastructure
10	Water Quality Initiative (WQI)	\$ 10,575,000		State Agency	Annual Appropriations	Dependent on annual appropriations from the Iowa Legislature	4	Infrastructure, implementation, monitoring, outreach
11	Watershed Protection Fund (WSPF)	\$ 900,000		State Agency	Annual Appropriations	Dependent on annual appropriations from the Iowa Legislature	19	Infrastructure, implementation, monitoring, outreach
*Indefinite availability as long as tax on ag chemicals is in place and as long as these products are purchased in the state to generate this revenue								

Iowa Department of Agriculture & Land Stewardship

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.											
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)					Attendance	Partner Organizations	
				Water Quality	Soil Health	Practices recommended by the NRS	Conservation Funding Opportunities	Other			
1	Workshop	2/20/2018	Washington County		x	x			x	48	Brenneman Pork, Iowa Corn Growers
2	Other	1/22/2018	Jefferson County	x		x				10	Pathfinders, IDALS, Wapello County SWCD
3	Field Day	3/16/2018	Sioux County	x		x	x			45	Plymouth SWCD, Sioux SWCD, ISU Extension, ISA
4	Community Meeting	1/23/2018	Henry County	x			x			26	Pathfinders
5	Community Meeting	1/26/2018	Van Buren County	x			x			24	Pathfinders
6	Community Meeting	1/30/2018	Jefferson County	x			x			16	Pathfinders
7	Workshop	Mar-18	Henry County	x					x	2	
8	Workshop	Mar-18	Jefferson County	x					x	1	
9	Workshop	3/29/2018	Van Buren County	x					x	1	
10	Workshop	3/30/2018	Lee County	x					x	3	
11	Field Day	2/22/2018	Black Hawk County		x	x			x	30	Iowa State University, Iowa Corn Growers Association, NRCS
12	Field Day	1/20/2018	Taylor County	x	x	x	x			25	NRCS, Taylor & Adams SWCD
14	Field Day	3/16/2018	Sioux County	x		x	x			40	Plymouth SWCD, ISU, ISA

15	County Fair	7/13/2017	Benton County						60	Benton County Fair
16	County Fair	7/14/2017	Benton County						90	Benton County Fair
17	County Fair	7/15/2017	Benton County						150	Benton County Fair
19	Field day	7/20/2017	Tama County						12	ISU, ISA, Ecosystem Service Exchange, NRCS
20	Field day	7/20/2017	Black Hawk County						25	ISU, ISA, Ecosystem Service Exchange, NRCS
21	Field day	7/20/2017	Tama County						30	ISUEO, Miller Creek WQI
22	Workshop	7/20/2017	Taylor County						5	Taylor Co SWCD, AgSolver
23	Other	3/20/2018	Story County						80	IDALS, DNR, NRCS
24	Workshop	7/25/2017	Black Hawk County						6	
25	Field day	8/3/2017	Taylor County						60	ISU Ext, Iowa Forage and Grassland Council, Iowa Learning Farms, AgSolver
26	Field day	8/3/2017	Ohio County						15	NRCS
27	Workshop	8/3/2017	Story County						18	Story County Conservation
28	Field day	8/15/2017	Story County						42	Iowa Seed Corn Association
29	Workshop	8/15/2017	Buena Vista County						15	Soil Health Partnership, Berness Ag Center
30	Field day	8/21/2017	Taylor County						50	

31	Workshop	8/22/2017	Tama County							25	Women, Land and Legacy: Tama County
32	Field day	8/28/2017	Iowa County							40	Cherokee SWCD, Pheasants Forever
33	Field day	8/29/2017	Page County							100	Green Cover Seed
34	Workshop	8/29/2017	Sioux County							20	Iowa State Extension, Ecosystem Services Exchange, and Pork Producers
35	Field day	9/9/2017	Shelby County							80	Iowa Organic Association
36	Field day	9/9/2017	Black Hawk County							13	Pheasants Forever
37	Field day	9/13/2017	Sioux County							58	Iowa Learning Farms
38	Field day	9/13/2017	Montgomery County							10	Co-op
39	Field day	9/16/2017	Jackson County							165	NRCS
40	Field day	9/22/2017	Wright County							35	The Nature Conservancy, Pioneer
41	Field day	9/22/2017	Wright County							48	The Nature Conservancy
42	Workshop	9/22/2017	Black Hawk County							10	Marshalltown School District
43	Field day	10/3/2017	Story County							14	NRCS, IDALS
44	Field day	10/20/2017	Buena Vista County							10	
45	Other	10/27/2017	Taylor County							15	Congressman Young, Sec Northey, IDALS, EFC Systems
46	Other	11/1/2017	Taylor County							10	EFC Systems, SWCD

47	Workshop	11/9/2017	Taylor County							5	NRCS, Mike Hubbs (Tennessee Soil Health Specialist)
48	Field day	11/10/2017	Boone County							20	ISG, IDALS, NRCS, Central Iowa Dirt & Excavation
49	Field day	11/12/2017	Pocahontas County							20	
50	Other	11/16/2017	Tama County							40	Benton/Tama WQI Project
51	Workshop	11/21/2017	Taylor County							5	SWCD, EFC Systems
52	Field day	11/28/2017	Montgomery County							42	Iowa Learning Farms, Practical farmers of Iowa
53	Other	12/6/2017	Taylor County							5	SWCD, EFC Systems
54	Other	12/7/2017	Story County							80	
55	Other	12/7/2017	Keokuk County							10	Pathfinders, IDALS, Wapello SWCD
56	Other	12/11/2017	Wapello County							20	Pathfinders, IDALS, Wapello SWCD
57	Other	12/12/2017	Story County							59	
58	Other	12/19/2017	Story County							49	
59	Other	1/19/2018	Story County							121	
60	Other	1/20/2018	Story County							56	
61	Other	1/20/2018	Story County							69	
62	Workshop	1/23/2018	Mitchell County							17	Mitchell County SWCD, FSA

63	Field day	6/28/2017	Carroll County							50	Iowa Corn Growers, IAWA, Iowa Soybean Association
64	Field day	6/9/2017	Black Hawk County							62	Tallgrass Prairie Cent, Soil and Water Conservation Society
65	Other	6/22/2017	Humboldt County							10	ISA
66	Other	6/20/2017	Wright County							15	ISA

Iowa Department of Natural Resources

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Staff resources for implementing the NRS and/or water quality improvement	
	FTEs
Infrastructure staff (e.g. administrative support)	WQ Mon 0.5, NPDES 2.5, Coordination 0.5
Research Staff	WQ Mon 1.0
On-the-ground implementation staff	Coordinators; 1.0 FTEs for DNR 319 Project Officer; 14.2
Other	WQ Mon 3 field staff

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding? (Please use one of the classifications shown below)	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	WQ Monitoring	\$2.995 million (overall)	\$476,562 (specific to nutrients)	State Appropriation	Annual Appropriation	Not predicable	18 years	Water Monitoring, a portion of which is for nutrients
2	Lake Restoration Program	\$9.6 million (overall)	\$783,237 (specific to nutrients)	State Appropriation	Annual Appropriation	Not predicable	11	On the ground implementation (primary), a portion of practices have nutrient reduction potential
2	Section 319	\$3.6 million (overall)		EPA Section 319 Grant (federal agency)	Grant-based funding	Not predictable	26	On-the-ground implementation
3	NPDES	\$ 250,000.00	-	Multiple	Sustained/Long term Funding	NA	20 years +	NRS Infrastructure - PS permit implementation (2.5 FTEs estimate)

4	NRS Coordination	\$ 50,000.00	-	Multiple	Sustained/Long term Funding	NA	NA	NRS Infrastructure - NRS Coordination
5	SRF	(see 2018 NRS Annual Report, Part One)						
6	DNR Land Management	(see 2018 NRS Annual Report, Part One)						

Iowa Department of Natural Resources

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.										
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)					Attendance	Partner Organizations
				Water Quality	Soil Health	Practices recommended by the NRS	Conservation Funding Opportunities	Other		
1	TMDL public meeting - Rathbun Lake	7/6/2017	Rathbun	yes					15	
2	TMDL public meeting - Avenue of the Saints Lake	8/9/2017	Waverly	yes					10	
3	TMDL public meeting - Thayer & Green Valley Lakes	11/8/2017	Creston	yes					20	
	319 Field Days									
4	Badger Creek Lake Project Field Day (1)	2017	Madison	yes	yes	yes	yes		?	
5	Big Creek Lake Project Field Day (1)	2017	Polk	yes		yes	yes		?	
6	Black Hawk Lake Project Field Day (1)	2017	Sac	yes	yes	yes	yes		?	
7	Clear Lake Project Field Days (2)	2017	Cerro Gordo	yes		yes	yes	urban conservation	?	
8	Dry Run Creek Project Field Days (3), plus 2 women landowner events		Black Hawk	yes		yes	yes	urban conservation	?	
9	Easter Lake Project Field Days (2)	2017	Polk	yes		yes	yes	urban conservation	?	
10	Iowa Great Lakes Project Field Days (2)	2017	Dickinson	yes		yes	yes	urban conservation	?	
11	Lake Geode Project Field Days (3)	2017	Des Moines/Henry	yes	yes	yes	yes		?	

12	Price Creek Project Field Days (7), plus 10 "Women Landowners in the Field" events	2017	Iowa	yes	yes	yes	yes	?	
13	Rathbun Lake Project Field Days (3)	2017	Lucas/Wayne	yes	yes	yes	yes	?	
14	Silver Creek-Clayton Co. Project Field Days (2)	2017	Clayton	yes	yes	yes	yes	?	
15	Silver Creek-Howard Co. Project Field Days (3)	2017	Howard	yes	yes	yes	yes	?	
16	Tete des Morts Creek Project Field Days (1)	2017	Jackson	yes		yes	yes	?	
17	Yellow River Headwaters Project Field Day (1)	2017	Winneshiek	yes		yes	yes	?	
18									
19	NRS Related Presentations by DNR (PS, water monitoring, ag BMP mapping, updates, etc.)	~15		yes				500+ total	

Iowa Department of Natural Resources

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 3 - LAND

Was your organization involved in the construction of any of the following structural practices? Bioreactors, saturated buffers, or water quality treatment wetlands (i.e. CREP-style wetlands)						
	Please indicate each constructed practice (highlight the cell and use the dropdown arrow)	Approximate location of practice (the HUC12 watershed code is preferred, but HUC8 or county will also work)	Year installed (calendar year)	Was state or federal cost-share funding used to install this practice? This item is very important, as we are hoping to understand the extent of practices installed <i>without</i> cost-share funding	If cost-share was NOT used for this practice: How many acres are treated by this practice?	Were any other organizations actively involved in the construction of this practice? (This item will help us check for double-reporting)
1	Sediment control ponds	Madison	2017	Yes		319
2	Sediment control ponds	Polk	2017	Yes		319
3	Water quality treatment wetland	Sac	2017	Yes		No
4	Sediment control ponds/grade stabilization structures	Sac	2017	Yes		No
5	Stream restoration	Polk	2017	Yes		319, City of Des Moines
6	Sediment control ponds/grade stabilization structures	Dickinson	2017	Yes		319, Dickinson County
7	Sediment control ponds/grade stabilization structures	Johnson	2017	Yes		Johnson County
8	Sediment control ponds	Henry	2017	Yes		319
9	Sediment control ponds/grade stabilization structures	Monroe	2017	Yes		No
10	Sediment control ponds/grade stabilization structures	Appanoose	2017	Yes		319
11	319 Practices					
12	Bioretention Cell or Rain Garden (2E-4)	Black Hawk, Dickinson, S	2017	7 yes, 2 no		WQI, WIRB, WSPF, WQC (local)
13	Brush Management	Dickinson	2017	yes		MFT
14	Channel Stabilization	Black Hawk, Polk	2017	yes		WIRB, City of Des Moines
15	Conservation Cover	Various	2017	yes		CRP, WRP, WPF
16	Contour Buffer Strips	Black Hawk	2017	yes		WSPF, TPC
17	Cover and Green Manure Crop	Various	2017	yes		WSPF, WQI, RCPP, EQIP, CSP
18	Field Border	Howard, Sac	2017	yes		CRP
19	Filter Strip	Howard, Sac	2017	yes		CRP

20	Grade Stabilization Structure	Various	2017	yes		LRF, NWQI, REAP, WSPF
21	Grassed Waterway	Various	2017	yes		EQIP, WSPF, CRP, POL
22	Gravity Separator (2K-3)	Dickinson	2017	no		
23	Heavy Use Area Protection	Winneshiek	2017	yes		
24	Native Landscaping (2E-6)	Dickinson, Polk	2017	yes		REAP
25	Pasture and Hay Planting	Various	2017	yes		WSPF, REAP, EQIP, IFIP
26	Permeable Pavers (2J-4)	Black Hawk, Polk	2017	yes		WSPF, REAP
27	Riparian Buffer	Sac	2017	yes		CRP
28	Soil Quality Restoration (2E-6)	Polk	2017	yes		WSPF
29	Stormwater Wetlands (2H-1)	Black Hawk, Dickinson, P	2017	yes		Polk County, City of Des Moines, WQI, Private
30	Streambank and Shoreline Protection	Various	2017	yes		EQIP, WSPF, WIRB, LRP, WQC (local), Private
31	Terrace-tile outlet, level or gradient	Various	2017	yes		EQIP, WSPF, REAP, IFIP, WQI
32	Tree/Shrub Establishment	Dickinson	2017	yes		County Tree Reserve
33	Waste Storage Facility	Howard	2017	yes		
34	Water and Sediment Control Basin	Various (Rathbun Lake)	2017	yes		WSPF, IFIP, NWQI, REAP, EQIP
35	Wetland Creation	Howard	2017	yes		
36	Wetland Enhancement	Dickinson	2017	yes		Multiple
37	Wetland Restoration	Polk	2017	yes		WQI
38	Windbreak/Shelterbelt Establishment	Howard	2017	yes		

Iowa Department of Natural Resources

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 4 - WATER

	Spatial Scale of Monitoring	Monitoring Location	Parameters Measured (Please list any of the parameters shown below)									
			NO2-N	NO3-N	NH4-N	TKN	Diss PO4-P	TSS	TDS	VSS	Flow	TP
1	Black Hawk Lake (319) HUC 12	2 sites in trib. 2 sites in lake	X	X	X	X	X	X		X	X	
2	Big Creek Lake (319) in lake monitoring	4 sites in lake						X				X
3	Badger Creek Lake (319) sub-watershed	6 sites in tribs., 3 sites in lake	X	X	X	X	X	X		X		X
4	Lake Geode (319) HUC 12	11 sites in tribs.					X	X				X
5	Rathbun Lake (319) >HUC 8	2 sites in trib. 5 sites in lake	X	X	X	X	X	X	X		X	X
6	Tetes des Morts (319) HUC 12 (biological impairment)	1 site at Hwy 52 bridge	X	X	X	X		X				X
7	Easter Lake (319) sub-watershed	2 sites in tributaries					X	X				
8	Huc 8 (ambient Stream)	60 (shapefile provided)	X	X	X	X	X	X	X	X	X	X
9	HUC 12 (ambient Biological)	68	X	X	X	X	X	X	X	X	X	X
10	Huc 12 (ambient Lake)	131 (shapefile provided)	X	X	X		X					X
11	HUC 12 (ambient Wetland)	24	X	X	X	X	X	X				X
12	HUC 12 (Shallow Lake program)	36	X	X	X	X	X					X
13	HUC 8 (IIHR)	10		X								
14	HUC 8 (USGS)	8		X					?			
15	HUC 8 (USGS since 1993)	22+										X

Continued:

	In what year did this project begin collecting water quality data?	How many years has data been collected since the project start date?	Is data collection still ongoing? (Y or N)	Partner Organizations	How frequently does monitoring occur? (Please indicate one of the options shown below)
					Real-Time Monthly Bi-Annually Annually
1	2012	7	Y		Event sampling on tributary, bi-weekly in lake

2	2012	7 Y		monthly
3	2013	6 Y		monthly
4	2012	7	Suspended in 2018 due to lake d	monthly
5	2014	4 Y	USACOE	Event sampling on tributary, monthly in lake (done by ACOE)
6	2001	6 Y		one time grab sample collected during biological sampling
7	2014	4 Y		Event sampling in paired watershed study
8	2000	18 Y	N/A	Monthly
9	1994	24 Y	N/A	Monthly
10	2000	18 Y	N/A	Monthly
11	2006	12 Y	N/A	Monthly
12	2006	12 Y	N/A	Monthly
13	2017	1 Y	IIHR	Real-Time
14	2008	25 Y	USGS	Real-Time
15				

Iowa State University College of Agriculture and Life Sciences
 NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Staff resources for implementing the NRS and/or water quality improvement	
	FTEs
Infrastructure staff (e.g. administrative support)	
Research Staff	7.2
On-the-ground implementation staff	
Other	11.8

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding?	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	ISU Research and Extension	\$14,897,981.84		state and federal appropriations and grant funds				research and extension

Iowa State University College of Agriculture and Life Sciences

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.										
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)					Attendance	Partner Organizations
				Water Quality	Soil Health	Practices recommended by the NRS	Conservation Funding Opportunities	Other		
1	ACPF Training	3/13/2018 in Iowa Falls		x		x			10	
2	Agronomy in the Field	6/13/2017 in Dysart		x		x			7	
3	Ben and Andy Johnson Cover Crop and Strip-Tillage Field Day	11/16/2017 in Floyd				x			38	
4	Conservation Station Visits NACD Summer Meeting	7/17/2017 in Altoona				x			112	
5	Conservation Station Visits NACD Summer Meeting - Conservation	7/18/2017 in Melbourne				x			85	
6	Cover Crop and Soil Health 101 Field Day	11/7/2017 in Prairie City			x	x			51	
7	Cover Crop and Soil Health Field Day	6/13/2017 in Webster City			x	x			56	
8	Cover Crop and Soil Health Field Day	9/13/2017 in Orange City				x			58	
9	Cover Crop and Wetland Field Day	8/30/2017 in Gilmore City				x			40	
10	Cover Crop Workshop	12/6/2017 in Carroll				x			33	
11	Cover Crop Workshop	12/13/2017 in Oakland				x			40	
12	Cover crop, saturated buffer and soil health field day	8/1/2017 in Slater			x	x			31	
13	Creating Pollinator Habitat on Your Farm	7/20/2017 in Eldora				x			20	
14	Drainage Water Quality Workshop	12/14/2017 in Fort Dodge				x			21	
15	Emerging Farmer Soil Health and Grazing Workshop	3/15/2018 in Creston			x	x			8	
16	Emerging Farmer Workshop	3/6/2018 in Ames				x			29	

17	Farmland Leasing Meeting	8/10/2017 in Manchester				x				12
18	Flolo Farms Field Day with Ray Archuleta	7/10/2017 in West Union			x	x				150
19	Getting Your Cover Crop On: Cover Crop Establishment	8/31/2017 in Fairfield				x				54
20	Iowa Drainage School	8/22/2017 in Nashua				x				28
21	Iowa Forage & Grasslands Council Annual Convention	1/18/2018 in Ames				x				69
22	Iowa Learning Farms Emerging Farmer Workshop	4/24/2018 in Sioux Center				x				33
23	Jacob Groth Cover Crop Field Day	11/21/2017 in Decorah				x				57
24	Jim Lindaman Cover Crop and Soil Conservation Field Day	11/8/2017 in Aplington			x	x				29
25	Lucas Bayer Cover Crop Field Day	11/15/2017 in Guernsey				x				29
26	Manure Application and Distribution Field Day	8/4/2017 in Hills				x				75
27	Monarch Butterfly and Wetland Field Day	6/14/2017 in Story City				x				42
28	Monarch Field Day	9/7/2017 in Bussey				x				112
29	Nitrogen and Water Presentation	2/13/2018 in Center Point				x				23
30	Nitrogen and Water Week Field Day	6/27/2017 in Boone				x				32
31	North Central Iowa Crop & Land Stewardship Clinic	1/2/2018 in Iowa Falls				x				207
32	Pasture walk field day	8/3/2017 in Bedford				x				58
33	Pond Care 101	4/21/2018 in New Hampton				x				6
34	Resilient Farms Field Day	6/15/2017 in Red Oak				x				26
35	Rotational Grazing and Pasture Improvement Field Day	9/14/2017 in Coon Rapids			x	x				13
36	Scott County Cover Crop/Soil Health Field Day	7/12/2017 in Donahue			x	x				43
37	Soil Conservation Appreciation Dinner	9/7/2017 in Knoxville			x	x				48

38	Soil Health and Cover Crop Field Day	8/9/2017 in Spirit Lake				x				79
39	Strip-till and Cover Crop Field Day	6/8/2017 in Holland				x				42
40	Wapsipinicon River Watershed	6/6/2017 in Quasqueton				x				9
41	Wapsipinicon River Watershed	6/24/2017 in Independence				x				11
42	Wapsipinicon River Watershed	7/11/2017 in Cedar Falls				x				10
43	Wapsipinicon River Watershed	7/29/2017 in Rowley				x				13
44	Wapsipinicon River Watershed	8/8/2017 in Independence				x				11
45	2017 Integrated Crop Management Conference	11/29/2017 in Ames				x				900
46		11/30/2017 in Ames				x				
47	Nitrogen and Water Week Field Day	6/27/2017 in Boone				x				32
48	Fall 2017 Watershed Academy Workshop	October 24-25				x				40
49	Spring 2018 Watershed Academy Workshop	May 30-31				x				45
50	Nitrogen Week Program	6/28/2017 in Nashua				x				20
51	Water Rocks! Ag in the Classroom Presentation	6/6/2017 in Clarinda	x							26
52	Water Rocks! Assembly	9/3/2017 in Granger	x							400
53	Water Rocks! at Dordt College STEM Festival	2/10/2018 in Sioux Center	x							19
54	Water Rocks! at Estherville Public Library	4/7/2018 in Estherville	x							11
55	Water Rocks! at Experience Agronomy Day	4/7/2018 in Ames	x							46
56	Water Rocks! at Howard County Arbor Day Outdoor Classroom	4/26/2018 in Cresco	x							120
57	Water Rocks! at Mason City Earth Day Festival	4/28/2018 in Mason City	x							60
58	Water Rocks! Child Care Center Visit	6/28/2017 in Ames	x							26

59	Water Rocks! Community Visit	6/7/2017 in Anita		x						45
60	Water Rocks! Community Visit	9/11/2017 in Harlan		x						156
61	Water Rocks! Community Visit	9/15/2017 in Spencer		x						139
62	Water Rocks! Day Camp	3/8/2018 in Ames		x						16
63	Water Rocks! Library Visit	6/20/2017 in Madrid		x						25
64	Water Rocks! Library Visit	6/22/2017 in Sumner		x						29
65	Water Rocks! Library Visit	6/27/2017 in Kalona		x						29
66	Water Rocks! Library Visit	7/5/2017 in Ely		x						13
67	Water Rocks! Library Visit	7/25/2017 in Marion		x						35
68	Water Rocks! Library Visit	7/27/2017 in Lake City		x						26
69	Water Rocks! School Assembly	7/14/2017 in Williamsburg		x						67
70	Water Rocks! School Assembly	7/18/2017 in Burlington		x						120
71	Water Rocks! School Assembly	9/14/2017 in Des Moines		x						320
72	Water Rocks! School Assembly	9/15/2017 in West Des		x						794
73	Water Rocks! School Assembly	9/18/2017 in Des Moines		x						421
74	Water Rocks! School Assembly	9/20/2017 in Des Moines		x						631
75	Water Rocks! School Assembly	9/22/2017 in Rockwell		x						528
76	Water Rocks! School Assembly	9/28/2017 in Oelwein		x						282
77	Water Rocks! School Assembly	9/29/2017 in Protivin		x						65
78	Water Rocks! School Assembly	10/4/2017 in Boone		x						616
79	Water Rocks! School Assembly	10/6/2017 in Ankeny		x						735

80	Water Rocks! School Assembly	10/10/2017 in Cedar Rapids		x						372	
81	Water Rocks! School Assembly	10/12/2017 in Wilton		x						610	
82	Water Rocks! School Assembly	10/13/2017 in West Des		x						644	
83	Water Rocks! School Assembly	10/19/2017 in Altoona		x						196	
84	Water Rocks! School Assembly	10/20/2017 in West Des		x						586	
85	Water Rocks! School Assembly	10/26/2017 in Readlyn and		x						378	
86	Water Rocks! School Assembly	11/3/2017 in Des Moines		x						146	
87	Water Rocks! School Assembly	11/6/2017 in Carter Lake		x						33	
88	Water Rocks! School Assembly	11/10/2017 in Newhall		x						196	
89	Water Rocks! School Assembly	11/13/2017 in Council Bluffs		x						48	
90	Water Rocks! School Assembly	11/17/2017 in Des Moines		x						83	
91	Water Rocks! School Assembly	11/20/2017 in Bussey		x						275	
92	Water Rocks! School Assembly	11/30/2017 in College Springs		x						42	
93	Water Rocks! School Assembly	12/1/2017 in Johnston		x						228	
94	Water Rocks! School Assembly	12/4/2017 in Bode		x						48	
95	Water Rocks! School Assembly	12/13/2017 in Chariton		x						306	
96	Water Rocks! School Assembly	12/15/2017 in Centerville		x						40	
97	Water Rocks! School Assembly	12/19/2017 in Missouri Valley		x						297	
98	Water Rocks! School Assembly	1/8/2018 in Carter Lake		x						48	
99	Water Rocks! School Assembly	1/12/2018 in Boone		x						266	
100	Water Rocks! School Assembly	1/18/2018 in Burlington		x						105	

101	Water Rocks! School Assembly	1/19/2018 in Des Moines		x						92
102	Water Rocks! School Assembly	1/24/2018 in Onawa		x						484
103	Water Rocks! School Assembly	1/30/2018 in Grundy Center		x						312
104	Water Rocks! School Assembly	1/31/2018 in Webster City		x						267
105	Water Rocks! School Assembly	2/2/2018 in Ossian		x						182
106	Water Rocks! School Assembly	2/8/2018 in Des Moines		x						269
107	Water Rocks! School Assembly	2/13/2018 in Marion		x						427
108	Water Rocks! School Assembly	2/15/2018 in Tripoli		x						282
109	Water Rocks! School Assembly	2/22/2018 in Ackley		x						368
110	Water Rocks! School Assembly	2/26/2018 in Carter Lake		x						43
111	Water Rocks! School Assembly	2/27/2018 in Carson		x						157
112	Water Rocks! School Assembly	2/28/2018 in Osceola		x						894
113	Water Rocks! School Assembly	3/2/2018 in Ossian		x						285
114	Water Rocks! School Assembly	3/8/2018 in Jesup		x						265
115	Water Rocks! School Assembly	3/23/2018 in Neola		x						185
116	Water Rocks! School Assembly	3/27/2018 in Rock Valley		x						438
117	Water Rocks! School Assembly	2/23/2018 in Bronson		x						338
118	Water Rocks! School Assembly	3/20/2018 in Spencer		x						900
119	Water Rocks! School Assembly	4/5/2018 in Latimer		x						360
120	Water Rocks! School Assembly	4/6/2018 in Sioux City		x						53
121	Water Rocks! School Assembly	4/9/2018 in Council Bluffs		x						54

122	Water Rocks! School Assembly	4/11/2018 in Chariton		x						293	
123	Water Rocks! School Assembly	4/13/2018 in Aurelia		x						276	
124	Water Rocks! School Assembly	4/16/2018 in Council Bluffs		x						53	
125	Water Rocks! School Assembly	4/18/2018 in Grinnell		x						267	
126	Water Rocks! School Assembly	4/20/2018 in Woodward		x						196	
127	Water Rocks! School Assembly	4/23/2018 in Primghar		x						17	
128	Water Rocks! School Assembly	4/24/2018 in Mitchellville		x						227	
129	Water Rocks! School Assembly	4/27/2018 in Des Moines		x						580	
130	Water Rocks! School Assembly	4/30/2018 in Council Bluffs		x						38	
131	Water Rocks! School Assembly - Pollinators!	3/9/2018 in Conrad		x						220	
132	Water Rocks! School Assembly - Pollinators!	3/19/2018 in Council Bluffs		x						56	
133	Water Rocks! School Assembly - Pollinators!	3/26/2018 in Carter Lake		x						55	
134	Water Rocks! School Visit	9/12/2017 in Donahue		x						34	
135	Water Rocks! School Visit	9/13/2017 in Urbandale		x						113	
136	Water Rocks! School Visit	9/19/2017 in Chariton		x						131	
137	Water Rocks! School Visit	9/21/2017 in Carroll		x						142	
138	Water Rocks! School Visit	9/22/2017 in Ogden		x						57	
139	Water Rocks! School Visit	9/26/2017 in Pella		x						66	
140	Water Rocks! School Visit	9/27/2017 in Dow City		x						63	
141	Water Rocks! School Visit	9/28/2017 in Earlham		x						40	
142	Water Rocks! School Visit	9/29/2017 in Montezuma		x						40	

143	Water Rocks! School Visit	10/3/2017 in Wellman		x						98
144	Water Rocks! School Visit	10/4/2017 in Exira		x						53
145	Water Rocks! School Visit	10/11/2017 in Barnum		x						115
146	Water Rocks! School Visit	10/13/2017 in Mount Pleasant		x						88
147	Water Rocks! School Visit	10/17/2017 in Cedar Rapids		x						141
148	Water Rocks! School Visit	10/18/2017 in New Hartford		x						76
149	Water Rocks! School Visit	10/20/2017 in West Des		x						92
150	Water Rocks! School Visit	10/24/2017 in Bedford		x						119
151	Water Rocks! School Visit	10/25/2017 in Riverside		x						44
152	Water Rocks! School Visit	10/26/2017 in Sanborn		x						133
153	Water Rocks! School Visit	10/27/2017 in Decorah		x						128
154	Water Rocks! School Visit	10/31/2017 in Monticello		x						74
155	Water Rocks! School Visit	11/1/2017 in Elgin		x						58
156	Water Rocks! School Visit	11/2/2017 in Van Meter		x						71
157	Water Rocks! School Visit	11/3/2017 in Council Bluffs		x						71
158	Water Rocks! School Visit	11/7/2017 in Eldridge		x						85
159	Water Rocks! School Visit	11/8/2017 in Humeston		x						36
160	Water Rocks! School Visit	11/9/2017 in Oskaloosa		x						146
161	Water Rocks! School Visit	11/14/2017 in Dubuque		x						96
162	Water Rocks! School Visit	11/15/2017 in Crawfordsville		x						69
163	Water Rocks! School Visit	11/16/2017 in Pocahontas		x						39

164	Water Rocks! School Visit	11/17/2017 in Garner		x						83
165	Water Rocks! School Visit	11/21/2017 in Durant		x						90
166	Water Rocks! School Visit	11/28/2017 in Walcott		x						102
167	Water Rocks! School Visit	11/29/2017 in Belmond		x						59
168	Water Rocks! School Visit	11/30/2017 in Wellsburg		x						129
169	Water Rocks! School Visit	12/1/2017 in Eddyville		x						54
170	Water Rocks! School Visit	12/5/2017 in Gilbertville		x						38
171	Water Rocks! School Visit	12/6/2017 in Roland		x						56
172	Water Rocks! School Visit	12/7/2017 in Boone		x						99
173	Water Rocks! School Visit	12/7/2017 in Estherville		x						99
174	Water Rocks! School Visit	12/8/2017 in Lewis		x						55
175	Water Rocks! School Visit	12/12/2017 in Johnston		x						103
176	Water Rocks! School Visit	12/13/2017 in Morning Sun		x						59
177	Water Rocks! School Visit	12/14/2017 in Cedar Falls		x						193
178	Water Rocks! School Visit	12/15/2017 in Alden		x						40
179	Water Rocks! School Visit	1/10/2018 in Baxter		x						91
180	Water Rocks! School Visit	1/12/2018 in Muscatine		x						17
181	Water Rocks! School Visit	1/17/2018 in Bettendorf		x						133
182	Water Rocks! School Visit	1/18/2018 in Ankeny		x						145
183	Water Rocks! School Visit	1/19/2018 in Davenport		x						53
184	Water Rocks! School Visit	1/26/2018 in Council Bluffs		x						39

185	Water Rocks! School Visit	1/25/2018 in Aplington		x						165
186	Water Rocks! School Visit	2/1/2018 in Bennet		x						45
187	Water Rocks! School Visit	2/2/2018 in Des Moines		x						67
188	Water Rocks! School Visit	2/6/2018 in Donnellson		x						89
189	Water Rocks! School Visit	2/6/2018 in Davenport		x						69
190	Water Rocks! School Visit	2/7/2018 in Kalona		x						86
191	Water Rocks! School Visit	2/7/2018 in Galva		x						86
192	Water Rocks! School Visit	2/14/2018 in Cedar Rapids		x						65
193	Water Rocks! School Visit	2/14/2018 in Milo		x						36
194	Water Rocks! School Visit	2/15/2018 in Sully		x						109
195	Water Rocks! School Visit	2/16/2018 in Clarion		x						70
196	Water Rocks! School Visit	2/19/2018 in Colo		x						64
197	Water Rocks! School Visit	2/21/2018 in Dubuque		x						160
198	Water Rocks! School Visit	2/22/2018 in New London		x						44
199	Water Rocks! School Visit	3/1/2018 in Washta		x						61
200	Water Rocks! School Visit	3/2/2018 in Washington		x						38
201	Water Rocks! School Visit	3/6/2018 in Bettendorf		x						80
202	Water Rocks! School Visit	3/7/2018 in Spirit Lake		x						84
203	Water Rocks! School Visit	3/9/2018 in Emmetsburg		x						111
204	Water Rocks! School Visit	3/15/2018 in Sac City		x						71
205	Water Rocks! School Visit	3/16/2018 in Delmar		x						62

206	Water Rocks! School Visit	3/16/2018 in Belle Plaine	x						89
207	Water Rocks! School Visit	3/20/2018 in Long Grove	x						110
208	Water Rocks! School Visit	3/20/2018 in Cedar Rapids	x						122
209	Water Rocks! School Visit	3/21/2018 in Des Moines	x						91
210	Water Rocks! School Visit	3/21/2018 in Iowa City	x						27
211	Water Rocks! School Visit	3/22/2018 in Ames	x						81
212	Water Rocks! School Visit	3/23/2018 in Algona	x						185
213	Water Rocks! School Visit	3/27/2018 in Traer	x						121
214	Water Rocks! School Visit	4/11/2018 in Waterloo	x						88
215	Water Rocks! School Visit	4/12/2018 in Waterloo	x						34
216	Water Rocks! School Visit	4/12/2018 in Westside	x						44
217	Water Rocks! School Visit	4/13/2018 in Farmington	x						70
218	Water Rocks! School Visit	4/17/2018 in Audubon	x						124
219	Water Rocks! School Visit	4/18/2018 in Des Moines	x						97
220	Water Rocks! School Visit	4/19/2018 in Early	x						67
221	Water Rocks! School Visit	4/23/2018 in Ames	x						17
222	Water Rocks! School Visit	4/24/2018 in Ames	x						17
223	Water Rocks! School Visit	4/25/2018 in Council Bluffs	x						104
224	Water Rocks! School Visit	4/25/2018 in Orange City	x						83
225	Water Rocks! School Visit	4/27/2018 in Fremont	x						20
226	Water Rocks! School Visit	4/20/2018 in Britt	x						84

227	Water Rocks! Summer Camp Visit	6/12/2017 in Marshalltown		x						17
228	Water Rocks! Summer Camp Visit	6/16/2017 in Marshalltown		x						90
229	Water Rocks! Summer Camp Visit	6/29/2017 in Maquoketa		x						182
230	Water Rocks! Summer Camp Visit	7/6/2017 in Carroll		x						54
231	Water Rocks! Summer Day Camp	6/26/2017 in Winterset		x						23
232	Water Rocks! Summer Day Camp	7/6/2017 in Des Moines		x						11
233	Water Rocks! Summer Day Camp	7/7/2017 in Des Moines		x						25
234	Water Rocks! Teacher Summit	6/21/2017 in Ames		x						42
235	Water Rocks! Team Visits Reiman Gardens Water Festival Days	6/9/2017 in Ames		x						150
236	Water Rocks! Visits Ames FIRST LEGO League	9/13/2017 in Ames		x						9
237	Water Rocks! Water Quality Assembly at the Iowa State Fair	8/20/2017 in Des Moines		x						80
238	Water Rocks! Winter Summit	12/12/2017 in Ames		x						24
239	Conservation Station Visits Adair County Fair	7/19/2017 in Greenfield		x						41
240	Conservation Station Visits Adams County Fair	7/10/2017 in Corning		x						33
241	Conservation Station Visits Appanoose County Fair	7/18/2017 in Centerville		x						56
242	Conservation Station Visits Badgerfest	6/17/2017 in Badger		x						117
243	Conservation Station Visits Benton County Fair	7/14/2017 in Vinton		x						68
244	Conservation Station Visits Black Hawk County Fair	7/27/2017 in Waterloo		x						112
245	Conservation Station Visits Central Iowa Fair	7/14/2017 in Marshalltown		x						147
246	Conservation Station Visits Cherokee County Fair	7/22/2017 in Cherokee		x						27
247	Conservation Station Visits Crawford County Fair	7/23/2017 in Denison		x						24

248	Conservation Station Visits Decatur County Fair	7/24/2017 in Leon	x						49
249	Conservation Station Visits Dubuque Sustainability Fair	7/29/2017 in Dubuque	x						75
250	Conservation Station Visits Emmet County Fair	7/28/2017 in Estherville	x						45
251	Conservation Station Visits Floyd County Fair	7/21/2017 in Charles City	x						30
252	Conservation Station Visits Franklin County Fair	7/20/2017 in Hampton	x						58
253	Conservation Station Visits Fremont County Fair	7/16/2017 in Sidney	x						74
254	Conservation Station Visits Iowa County Outdoor Adventure	6/17/2017 in Ladora	x						309
255	Conservation Station Visits Jasper County Fair	7/17/2017 in Colfax	x						116
256	Conservation Station Visits Louisa County Fair	7/29/2017 in Columbus	x						52
257	Conservation Station Visits Madison County Fair	7/20/2017 in Winterset	x						72
258	Conservation Station Visits Madison County SWCD	10/5/2017 in Winterset	x						28
259	Conservation Station Visits Mississippi Valley Fair	8/3/2017 in Davenport	x						124
260	Conservation Station Visits Mitchell County Fair	8/4/2017 in Osage	x						98
261	Conservation Station Visits Monroe County Fair	7/28/2017 in Albia	x						75
262	Conservation Station Visits North Iowa Fair	7/22/2017 in Mason City	x						143
263	Conservation Station Visits Project AWARE	7/11/2017 in Mitchell	x						48
264	Conservation Station Visits Rhubarb on the River	6/3/2017 in Manchester	x						187
265	Conservation Station Visits Sigourney National Night Out	8/1/2017 in Sigourney	x						114
266	Conservation Station Visits Southern Iowa Fair	7/21/2017 in Oskaloosa	x						77
267	Conservation Station Visits Sunday at the Quarry	10/8/2017 in Waterloo	x						280
268	Conservation Station Visits Van Buren County Fair	7/16/2017 in Keosauqua	x						67

269	Conservation Station Visits Walk on the Wild Side Fishing Event	6/3/2017 in Ida Grove								60
270	Conservation Station Visits Warren County 100 Year	6/11/2017 in Indianola		x						61
271	Conservation Station Visits Washington County Fair	7/19/2017 in Washington		x						93
272	Conservation Station Visits Webster County Fair	7/13/2017 in Fort Dodge		x						121
273	Conservation Station Visits Wright County Fair	7/15/2017 in Eagle Grove		x						38
274	Manure Management Field Day	7/26/2017 in Iowa Falls					x			36
275	Youth Field Day with Ray Archuleta and Tannis Axten	7/9/2017 in West Union		x	x					59
276	Flolo Farms Field Day with Ray Archuleta	7/10/2017 in West Union					x			150
277	Nitrogen and Water Week Field Day	6/29/2017 in Crawfordsville					x			14
278	Nitrogen & Water Week Field Day	6/29/2017 in Sutherland					x			52
279	Manure Application and Distribution Field Day	8/4/2017 in Hills					x			75
280	Farmland Leasing Meeting	8/10/2017 in Manchester					x			12
281	Greenhorn Grazing	11/14/2017 in Winterset					x			40
282	Pasture Walk Focuses on Grazing Annuals	7/10/2017 in Cascade					x			50
283	Pasture Walk Focused on Improving Grazing Efficiency	7/27/2017 in Vinton					x			48
284	Pasture Walk Focuses on Landlord Relations and Pasture	7/20/2017 in Maquoketa					x			7
285	Pasture Clinic	7/27/2017 in Harlan					x			31
286	Manure Application and Distribution Field Day	8/4/2017 in Hills					x			75
287	Farmland Leasing Meeting	8/10/2017 in Manchester					x			12
288	Pasture Clinic	7/18/2017 in Guthrie Center					x			50
289	Rotational Grazing Pasture Walk	8/23/2017 in Harpers Ferry					x			28

290	Women Managing Cattle	8/23/2017 in Ida Grove				x				6	
291	Women Managing Cattle	8/30/2017 in Ida Grove				x				6	
292	Ewes & Cover Crop Field Day	11/28/2017 in Le Mars				x				20	
293	Northwest Iowa Cover Crop Seminar	3/28/2018 in Castana				x				20	

Plus:	345 Commercial and private manure applicator trainings	vairies		Manure and nutrient							
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Iowa State University College of Agriculture and Life Sciences
 NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 4 - WATER

	Spatial Scale of Monitoring	Monitoring Location
1	In-field and Edge-of-field http://agwatermgmt.ae.iastate.edu/content/research-program	
2	sub-watershed- ILF Conservation Learning Labs	Story and Floyd Co.
3	Edge of Field Saturated Buffer- Jaynes and Isenhart	
4	Edge of Field Prairie Strips team	Story and Floyd Co.
5	Edge of Field Bioreactor- Soupir team	

Natural Resource Conservation Service

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Staff resources for implementing the NRS and/or water quality improvement	
	FTEs
Infrastructure staff (e.g. administrative support)	61
Research Staff	0
On-the-ground implementation staff	302
Other	0

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding? (Please use one of the classifications shown below)	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	CSP	\$33,698,450.09	\$33,698,450.00	Federal Agency	Annual Appropriations	unknown	15	Other - Conservation planning and other technical assistance
2	EQIP	\$27,630,178.90	\$27,630,178.90	Federal Agency	Annual Appropriations	unknown	21	On-the-ground implementation
2	RCPP	\$1,568,506.00	\$1,568,506.00	Federal Agency	Annual Appropriations	unknown	5	On-the-ground implementation
3	ACEP	\$16,948,394.00	\$16,948,394.00	Federal Agency	Annual Appropriations	unknown	5	On-the-ground implementation
4	CTA	\$12,273,528.00	\$12,273,528.00	Federal Agency	Annual Appropriations	unknown	82	On-the-ground implementation

Natural Resource Conservation Service

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.										
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)					Attendance	Partner Organizations
				Water Quality	Soil Health	Practices recommended by the NRS	Conservation Funding Opportunities	Other		
1	Other - media campaign	11/1/2017	state-wide		x	x			NA	CDI

Natural Resource Conservation Service

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 3 - LAND

Was your organization involved in the construction of any of the following structural practices? Bioreactors, saturated buffers, or water quality treatment wetlands (i.e. CREP-style wetlands)						
	Please indicate each constructed practice (highlight the cell and use the dropdown arrow)	Approximate location of practice (the HUC12 watershed code is preferred, but HUC8 or county will also work)	Year installed (calendar year)	Was state or federal cost-share funding used to install this practice? This item is very important, as we are hoping to understand the extent of practices installed <i>without</i> cost-share funding	If cost-share was NOT used for this practice: How many acres are treated by this practice?	Were any other organizations actively involved in the construction of this practice? (This item will help us check for double-reporting)
1	Saturated buffer	Benton	2017	Federal		City of Cedar Rapids
2	Bioreactor	Boone	2017	Federal		IDALS
3	Saturated buffer	Dallas	2017	Federal		IDALS
4	Bioreactor	Kossuth	2017	Federal		IDALS
5	Bioreactor	Pocahontas	2017	Federal		IDALS
6	Bioreactor	Polk	2017	Federal		IDALS
7	Saturated buffer	Polk	2017	Federal		IDALS
8	Saturated buffer	Polk	2017	Federal		IDALS
9	Saturated buffer	Polk	2017	Federal		IDALS
10	Saturated buffer	Scott	2017	Federal		

United States Environmental Protection Agency

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding?	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	EPA 319 Grant - Nonpoint Source Activities	\$3,634,000.00	\$3,634,000.00	Federal Agency	Grant-based funding	Annual program grant. President's Budget has proposed elimination	27	On-the-ground implementation
2	Water Quality Planning - 604b	\$219,000.00	\$219,000.00	Federal Agency	Grant-based funding	Annual program grant. Nothing to indicate elimination in the near future	19	NRS Infrastructure (e.g. administrative support)
3	NPDES - 106 Grant - Wastewater Program Management	\$2,925,000.00	\$2,925,000.00	Federal Agency		Annual program grant. President's Budget has proposed a 33% reduction	41	NRS Infrastructure (e.g. administrative support)

United States Environmental Protection Agency

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.										
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)					Attendance	Partner Organizations
				Water Quality	Soil Health	Practices recommended by the NRS	Conservation Funding Opportunities	Other		
1	4-State HABs Meeting	2/28/2018	Lenexa and webcast	X						EPA, IDNR, KDHE, NDEQ, MDNR
2	WRCC Meetings	06/01/2017 - 05/31/2018	Altoona	X	X	X	X	X	40+	
3	Benthic HAB Workgroup Mtg	5/22/2018	Webcast	X						
4	Monitoring Cyanobacteria with Satellites	11/15/2018	Webcast	X						
5	ACWA Nutrient Permitting Workshop	12/05-07/2018	Boise, ID	X						ACWA, EPA

United States Geological Survey

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 4 - WATER

	Spatial Scale of Monitoring	Monitoring Location	Parameters Measured (Please list any of the parameters shown below)							
			<i>NO2-N</i>	<i>NO3-N</i>	<i>NH4-N</i>	<i>TKN</i>	<i>Diss PO4-P</i>	<i>TSS</i>	<i>TDS</i>	<i>VSS</i>
1	Varies	https://goo.gl/cTibXc	Parameters include at least one nutrient result, additional parameters vary							
2	Sub-Watershed to >HUC8	https://goo.gl/WByk7t	Nitrate, turbidity, additional parameters vary							
3	Varies	https://goo.gl/qLRMQw	Streamflow (used to compute water-quality loads by the USGS and other agencies)							

Continued:

	In what year did this project begin collecting water quality data?	How many years has data been collected since the project start date?	Is data collection still ongoing? (Y or N)	Partner Organizations	How frequently does monitoring occur? (Please indicate one of the options shown below)
					<i>Real-Time</i> <i>Monthly</i> <i>Bi-Annually</i> <i>Annually</i> <i>Other (Please describe)</i>
1	1906		Y	Varies	Discrete samples, frequency varies
2	2008		Y	Varies	Real-Time: 5-15 minute intervals
3	pre 1900		Y	Varies	Real-Time: 5-15 minute intervals

University of Iowa College of Engineering and IHR--Hydrosience & Engineering
 NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Staff resources for implementing the NRS and/or water quality improvement	
	FTEs
Infrastructure staff (e.g. administrative support)	1
Research Staff	6
On-the-ground implementation staff	3
Other	5

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding? (Please use one of the classifications shown below)	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	Iowa Watershed Approach	\$2,405,710.00	\$19,357,435.00	Federal	Grant-based funding	3	1	on the ground implementation
2	Iowa Nutrient Research Center	\$367,000.00		State	Annual Appropriation		4	research

University of Iowa College of Engineering

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.										
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)					Attendance	Partner Organizations
				Water Quality	Soil Health	Practices recommended by the NRS	Conservation Funding Opportunities	Other		
1	Okoboji Blue Water Festival	8/12/2017	Arnolds Park	x	x				300	
2	Iowa Post Construction Stormwater Meeting	8/24/2017	Coralville	x			x	flooding	50	
3	Rethinking Iowa Drainage Meeting	9/7/2017	Johnton	x			x	flooding	100	UI, IFC
4	Iowa Ideas Conference	9/22/2017	Cedar Rapids	x	x		x	flooding	100	IFC
5	Clean Water Livable Communities conference	11/8/2017	Fairfield	x	x	x	x		200	
6	Clear Creek WMA	1/17/2018	Coralville	x	x	x	x		50	IFC
7	Iowa legislature appropriations committee presentation	1/17/2018	Des Moines	x	x	x	x	flooding	40	ISU
8	Cedar River WMA	1/18/2018	Vinton	x	x	x	x	flooding	50	IFC
9	Midwest Fish and Wildlife Conference	1/30/2018	Milwaukee, WI	x	x	x	x		500	ISU, USGS
10	Iowa Water Conference	3/21/2018	Ames	x	x	x	x	flooding	350	IFC, ISU, USGS
11	Middle Cedar Technical Team	3/26/2018	Cedar Rapids	x	x	x	x	flooding	20	IFC
12	Clear Creek Amana High School	5/8/2018	Tiffin	x	x	x			30	IFC

University of Iowa College of Engineering

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 4 - WATER

	Spatial Scale of Monitoring	Monitoring Location	Parameters Measured (Please list any of the parameters shown below)					
			NO2-N	NO3-N	NH4-N	TKN	Diss PO4-P	Other (please describe)
1	Field Tile-1: Edge of Field	Sherman, IA	x					
2	Field Tile-2: Edge of Field	Sherman, IA	x					
3	Big Spring Fish Hatchery: NA	Elkader, IA	x				x	
4	Iowa City WWTP	Iowa City, IA	x				x	
5	Field Tile-3: Edge of Field	Ames, IA	x					
6	Storm Sewer: Edge of Field	Coralville, IA	x					SC, Temp, DO, pH, turbidity
7	Beaver Creek: Edge of Field	Eldora, IA	x					
8	Walnut Creek: Edge of Field	Kelley, IA	x					
9	Willow Creek: Edge of Field	Kellogg, IA	x					SC, Temp, DO, pH, turbidity
10	Perry Pond: Edge of Field	Kellogg, IA	x					SC, Temp, DO, pH, turbidity
11	Rapid Creek-1: subwatershed	Solon, IA	x					SC, Temp, DO, pH, turbidity
12	Rapid Creek-2: subwatershed	Solon, IA	x					SC, Temp, DO, pH, turbidity
13	Slough Creek CREP inlet: Edge of Field	Orchard, IA	x					SC, Temp, DO, pH, turbidity
14	Slough Creek CREP outlet: Edge of Field	Orchard, IA	x					SC, Temp, DO, pH, turbidity
15	Walnut Creek-1: subwatershed	Prairie City	x					
16	Walnut Creek-2: subwatershed	Prairie City	x					
17	Beaver Creek-1: HUC12	Colwell	x					SC, Temp, DO, pH, turbidity
18	Beaver Creek-2: HUC12	Bassett	x					SC, Temp, DO, pH, turbidity
19	Clear Creek-1: Subwatershed	Homestead	x					SC, Temp, DO, pH, turbidity
20	Clear Creek-2: Subwatershed	Oxford	x					SC, Temp, DO, pH, turbidity
21	Clear Creek-3: HUC12	Coralville	x					SC, Temp, DO, pH, turbidity
22	Wolf Creek:subwatershed	Dysart	x					
23	Powell Creek:subwatershed	Storm Lake	x					
24	Catfish Creek-1: subwatershed	Dubuque	x					SC, Temp, DO, pH, turbidity
25	Catfish Creek-2: subwatershed	Dubuque	x					SC, Temp, DO, pH, turbidity
26	Miller Creek: subwatershed	LaPorte City	x					
27	Lime Creek: HUC 12	Brandon	x					
28	Mud Creek: HUC 12	Vinton	x					
29	Cedar Creek: HUC 12	Pocahontas	x					
30	Tipton Creek: HUC 12	Hubbard	x					

31	West Fork Crooked Creek: HUC 12	Washington	x		
32	East Nishnabotna River: HUC 12	Brayton	x		
33	Soap Creek: HUC 12	Floris			turbidity
34	Squaw Creek: HUC 12	Ames	x		
35	Yellow River: HUC 12	Ion	x		turbidity
36	South Fork of the Iowa River: HUC 8	New Providence	x	x	
37	Cedar Creek: HUC 12	Batavia	x		
38	North English River: HUC 12	North English	x		
39	Mill Creek: HUC 12	Cherokee	x		
40	West Nishnabotna River: HUC 12	Harlan	x		
41	Soldier River: HUC 12	Pisgah	x		
42	Boone River: HUC 12	Goldfield	x		
43	Middle Raccoon River: HUC 12	Panora	x		
44	English River: HUC 12	Kalona	x	x	SC, Temp, DO, pH, turbidity
45	Thompson River: HUC 8	Davis City	x		
46	Upper Iowa River: HUC 8	Dorchester	x		SC, Temp, DO, pH, turbidity
47	Boone River: HUC 8	Webster City	x		
48	West Fork Cedar River: HUC 8	Finchford	x		turbidity
49	Boyer River: HUC 8	Logan	x		turbidity
50	Floyd River: HUC 8	James	x		turbidity
51	Monona Harrison Ditch: HUC 8	Little Sioux	x		
52	East Nishnabotna River: HUC 8	Riverton	x		SC, Temp, DO, pH, turbidity
53	Wapsipinicon River: HUC 12	Central City	x		SC, Temp, DO, pH, turbidity
54	Rock River: HUC 8	Rock Valley	x		
55	Cedar River: HUC 8	Janesville	x		
56	Shell Rock River: HUC 8	Shell Rock	x		
57	Wapsipinicon River: HUC 8	DeWitt	x		SC, Temp, DO, pH, turbidity
58	Nishnabotna River: HUC 8	Hamburg			turbidity
59	Iowa River: HUC 8	Iowa City	x		SC, Temp, DO, pH, turbidity
60	Little Sioux River: HUC 8	Little Sioux	x	x	turbidity
61	Skunk River: >HUC 8	Augusta	x		SC, Temp, DO, pH, turbidity
62	Des Moines River: >HUC 8	Keosauqua	x		SC, Temp, DO, pH, turbidity
63	Mississippi River: >HUC 8	Fairport	x		SC, Temp, DO, pH, turbidity
64	Cedar River: >HUC 8	Conesville	x		turbidity

Continued:

	In what year did this project begin collecting water quality data?	How many years has data been collected since the project start date?	Is data collection still ongoing? (Y or N)	Partner Organizations	How frequently does monitoring occur? (Please indicate one of the options shown below)				
					<i>Real-Time</i>	<i>Monthly</i>	<i>Bi-Annually</i>	<i>Annually</i>	<i>Other (Please describe)</i>
1	2016	2	Y	ARS	Real-Time				
2	2016	2	Y	ARS	Real-Time				
3	2015	3	Y	IDNR	Real-Time				
4	2017	1	Y	City of Iowa City	Real-Time				
5	2016	2	Y	ARS	Real-Time				
6	2017	1	Y	City of Coralville	Real-Time				
7	2016	2	Y	ARS	Real-Time				
8	2016	2	Y	ARS	Real-Time				
9	2017	1	Y	Grinnell College	Real-Time				
10	2017	1	Y	Grinnell College	Real-Time				
11	2015	3	Y	Johnson County SWCD	Real-Time				
12	2015	3	Y	Johnson County SWCD	Real-Time				
13	2015	3	Y	farmer	Real-Time				
14	2013	5	Y	farmer	Real-Time				
15	2016	2	Y	ARS	Real-Time				
16	2016	2	Y	ARS	Real-Time				
17	2015	3	Y	HUD-1	Real-Time				
18	2012	6	Y	HUD-1	Real-Time				
19	2012	6	Y	Clear Creek Watershed Coalition	Real-Time				
20	2012	6	Y	Clear Creek Watershed Coalition	Real-Time				
21	2012	6	Y	Clear Creek Watershed Coalition	Real-Time				
22	2017	1	Y	IWA	Real-Time				
23	2017	1	Y	IWA	Real-Time				
24	2015	3	Y	City of Dubuque	Real-Time				
25	2015	3	Y	City of Dubuque	Real-Time				
26	2017	1	Y	Black Hawk SWCD	Real-Time				

27		2015		3	Y	Coe College	Real-Time
28		2017		1	Y	IWA	Real-Time
29		2017		1	Y	IWA	Real-Time
30		2016		2	Y	ARS	Real-Time
31		2016		2	Y	Washington SWCD	Real-Time
32		2016		2	Y	Bluegrass and Crabapple East Nishnabotna watershed project	Real-Time
33		2017		1	Y	IFC	Real-Time
34		2017		1	Y	Prairie Rivers RC and D	Real-Time
35		2018	<1		Y	IDNR	Real-Time
36		2015		3	Y		Real-Time
37		2016		3	Y	many	Real-Time
38		2017		1	Y	IWA	Real-Time
39		2017		1	Y	Lee Gravel	Real-Time
40		2017		1	Y	IWA	Real-Time
41		2018	<1		Y		Real-Time
42		2017		1	Y	Boone River WQI	Real-Time
43		2017		1	Y	City of Panora	Real-Time
44		2012		6	Y	IWA	Real-Time
45		2016		2	Y		Real-Time
46		2017		1	Y	IWA	Real-Time
47		2018	<1		Y	TNC	Real-Time
48		2018	<1		Y	IDNR	Real-Time
49		2016		2	Y	IDNR	Real-Time
50		2016		2	Y	IDNR	Real-Time
51		2016		2	Y		Real-Time
52		2016		2	Y	IWA	Real-Time
53		2017		1	Y	IWA	Real-Time
54		2018	<1		Y		Real-Time
55		2018	<1		Y		Real-Time
56		2018	<1		Y		Real-Time
57		2015		3	Y	IDNR	Real-Time
58		2018	<1		Y	IDNR	Real-Time
59		2012		6	Y		Real-Time
60		2016		2	Y	IDNR	Real-Time

61	2013	5	Y	IDNR	Real-Time
62	2016	2	Y	IDNR	Real-Time
63	2014	4	Y		Real-Time
64	2014	4	Y		Real-Time

Agriculture's Clean Water Alliance

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding? (Please use one of the classifications shown below)	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	Agriculture's Clean Water Alliance (ACWA) water monitoring, communications, program management	\$260,505.00		Private grant	Annual Appropriations	1	17	Water monitoring; communications/outreach; program mgmt.
2	WQI - Elk Run watershed (contract with ISA)	\$147,708.00		State agency	Grant-based funding	3	3	On-the-ground implementation (practices); water monitoring

Agriculture's Clean Water Alliance

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.											
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)					Attendance	Partner Organizations	
				Water Quality	Soil Health	Practices recommended by the NRS	Conservation Funding Opportunities	Other			
1	Bioreactor Field Day	6/7/2017	Carroll, Iowa	x		x		x		30	IAWA, ISA, CPS, Landus
2	Cover Crop Tent Event	7/13/2017	Breda, Iowa	x	x	x		x		25	PFI, CPS, Landus, La Crosse Seeds, ISA, NRCS- (Carroll, Sac, Calhoun)
3	Carroll Urban Project	7/31/2017	Carroll, Iowa	x		x		x		25	IDALS
4	Prairie Lakes Conference	8/11/2017	Okoboji, Iowa	x	x	x		x		40	NRCS
5	Sunderman Management MEeting	11/2/2017	Fort Dodge, Iowa	x	x	x		x		5	ISA
6	Carroll County Supervisors Meeting	11/6/2017	Carroll, Iowa	x	x	x		x		15	
7	Grower Meetings	11/28/2017	Breda, Iowa	x	x				x	6	ISA
8	Cover Crop Workshop	12/6/2017	Carroll, Iowa	x	x	x		x		30	

Agriculture's Clean Water Alliance

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 3 - LAND

Was your organization involved in the construction of any of the following structural practices? Bioreactors, saturated buffers, or water quality treatment wetlands (i.e. CREP-style wetlands)						
	Please indicate each constructed practice (highlight the cell and use the dropdown arrow)	Approximate location of practice (the HUC12 watershed code is preferred, but HUC8 or county will also work)	Year installed (calendar year)	Was state or federal cost-share funding used to install this practice? This item is very important, as we are hoping to understand the extent of practices installed <i>without</i> cost-share funding	If cost-share was NOT used for this practice: How many acres are treated by this practice?	Were any other organizations actively involved in the construction of this practice? (This item will help us check for double-reporting)
1	Bioreactor	71000060804	2017	Yes		IAWA 50% cost share
2	Bioreactor	71000060804	2017	Yes		IAWA 50% cost share

Agriculture's Clean Water Alliance

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 4 - WATER

For the sake of brevity, this part of the report was excluded from this document. For more information on ACWA's reported monitoring sites, contact Laurie Nowatzke at lwissler@iastate.edu.

Conservation Districts of Iowa

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Staff resources for implementing the NRS and/or water quality improvement	
	FTEs
Infrastructure staff (e.g. administrative support)	0.5
Research Staff	
On-the-ground implementation staff	10
Other	

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding? (Please use one of the classifications shown below)	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	Champion Cover Crop Commissioner	8000	8000	Private Grant	Grant-based funding	0	3	Other

Conservation Districts of Iowa

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.										
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)					Attendance	Partner Organizations
				Water Quality	Soil Health	Practices recommended by the NRS	Conservation Funding Opportunities	Other		
1	Annual conference	08/28 - 08/30/2017	Altoona, IA	x	x	x	x	x	438	16
2	conference (Spring Regionals)	2/28/2018, 3/1/2018, 3/5/2018	Sioux Center, Orange City, Belmond, Nashua, Anamosa, Oakland, Pella, Knoxville, Lowden, DeWitt, Osceola, Sigourney	x	x			x	360	4

Conservation Districts of Iowa

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 4 - WATER

	Spatial Scale of Monitoring	Monitoring Location	Parameters Measured (Please list any of the parameters shown below)								
			<i>NO2-N</i>	<i>NO3-N</i>	<i>NH4-N</i>	<i>TKN</i>	<i>Diss PO4-P</i>	<i>TSS</i>	<i>TDS</i>	<i>VSS</i>	<i>Flow</i>
1	Edge-of-Field	439 RetaiN kits given out in Iowa		X							

Continued:

	In what year did this project begin collecting water quality data?	How many years has data been collected since the project start date?	Is data collection still ongoing? (Y or N)	Partner Organizations	How frequently does monitoring occur? (Please indicate one of the options shown below)
					<i>Real-Time</i>
1	2015	3	Y	Iowa State University, IDALS - SSCC	Other: kits contain 25 test strips and can test tile lines at their convenience

Iowa Corn Growers Association

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Staff resources for implementing the NRS and/or water quality improvement	
	FTEs
Infrastructure staff (e.g. administrative support)	0.6
Research Staff	0.25
On-the-ground implementation staff	2.5
Other	2

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding? (Please use one of the classifications shown below)	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	Iowa Ag Water Alliance	\$350,560.02		Checkoff	Long term	Indefinitely	4	Implementation
2	Iowa Nutrient Research & Education Council	\$85,049.55		Checkoff	Long term	Indefinitely	3	Implementation, research
2	Soil Health Partnership	\$68,195.86		Checkoff	Long term	Indefinitely	2	Implementation, research
3	Iowa Corn water quality communications	\$361,250.00		Checkoff	Long term	Indefinitely	2	Implementation
4	Nitrate test kits and associated meetings	\$16,514.50		Checkoff	Annual appropriations	1	1	Implementation
5	Field days & watershed project support	\$11,671.12		Checkoff	Long term	Indefinitely	5	Infrastructure
6	4R Plus	\$10,000.00		Checkoff	Annual appropriations	0	0	Implementation

Iowa Corn Growers Association

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.										
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)					Attendance	Partner Organizations
				Water Quality	Soil Health	Practices recommended by the NRS	Conservation Funding Opportunities	Other		
1	Field Day	6/3/2017	Polk City	x					150	Polk SWCD, DNR, Pork
2	Field Day	6/7/2017	Jasper		x	x			50	Soil Health Partnership
3	Field Day	6/14/2017	Harper			x			50	NRCS
4	Field Day	7/12/2017	Corning		x				40	Soil Health Partnership
5	Field Day	7/12/2017	Donahue		x				50	Soil Health Partnership
6	Field Day	7/13/2017	Audubon		x				30	Soil Health Partnership
7	Field Day	7/14/2017	Guttenberg	x					150	
8	Field Day	7/24/2017	Fayette			x			100	Rye Grass Association
9	Field Day	7/26/2017	Lake City		x				35	Soil Health Partnership
10	Forum	8/1/2017	Clinton	x					100	Senator Rita Hart
11	Field Day	8/3/2017	LaPorte City		x				40	Soil Health Partnership
12	Field Day	8/9/2017	Adel		x				35	Soil Health Partnership
13	Field Day	8/15/2017	Wright		x				30	Soil Health Partnership
14	Field Day	8/16/2017	Sioux Rapids		x				35	Soil Health Partnership
15	Workshop	8/22/2017	Clear Lake	x		x			30	Clear Lake
16	Field Day	8/22/2017	Rock Valley		x				30	Soil Health Partnership

17	Conference	8/25/2017	Altoona	x		x		100	
18	Forum	8/28/2017	Des Moines	x	x	x		100	EDF
19	Field Day	8/30/2017	Bremer		x			175	Soil Health Partnership
20	Field Day	8/30/2017	Gilmore City	x	x	x		40	ISU
21	Field Day	9/5/2017	Minden		x			50	Soil Health Partnership
22	Crop Fair	9/11/2017	Harrison			x		30	
23	Field Day	9/12/2017	Carroll	x		x		70	FFA
24	Field Day	9/13/2017	Lake Mills		x			30	Soil Health Partnership
25	Field Day	9/14/2017	Greene		x			30	Soil Health Partnership
26	Field Day	9/14/2017	Hastings		x			40	Soil Health Partnership
27	Field Day	11/2/2017	Eagle Grove		x			20	Soil Health Partnership
28	Field Day	11/7/2017	Prairie City			x		40	Jasper SWCD
29	Field Day	11/8/2017	West Bend			x		75	Kossuth SWCD
30	Meeting	12/4/2017	George	x		x		10	CDI, DNR
31	Meeting	12/5/2017	Ida Grove	x		x		15	CDI, DNR
32	Meeting	12/11/2017	Emmetsburg	x		x		15	ISU
33	Meeting	12/12/2017	Holstein	x		x		15	CDI, DNR
34	Meeting	12/14/2017	Kingsley	x		x		10	CDI, DNR
35	Meeting	1/4/2018	Sutherland	x		x		15	CDI, DNR

36	Conference	1/8/2018	Des Moines	x		x	75	IAWA, LICA
37	Meeting	1/10/2018	Holstein	x		x	15	CDI, DNR
38	Meeting	1/16/2018	Sanborn	x		x	10	CDI, DNR
39	Seminar	1/30/2018	Des Moines		x	x	35	Soil Health Partnership
40	Seminar	1/31/2018	Des Moines		x	x	55	Soil Health Partnership
41	Crop Fair	2/9/2018	Creston			x	40	
42	Crop Fair	2/16/2018	Coon Rapids	x		x	45	
43	Meeting	2/21/2018	Elk Horn	x		x	15	CDI, DNR
44	Meeting	3/13/2018	Iowa Falls			x	25	Southfork watershed
45	Conference	3/13/2018	Muscatine			x	70	Muscatine SWCD
46	Field Day	4/4/2018	Davenport	x	x	x	25	Soil Health Partnership
47	Field Day	4/9/2018	New Albin			x	30	Allamakee SWCD
48	Lunch and Learn	4/10/2018	Dallas Center		x	x	25	LT Leon

Iowa Farm Bureau Federation

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding? (Please use one of the classifications shown below)	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	IFBF SHARE Grants	\$ 37,615.00		Private Grant	Grant-based funding			Information, Education, Outreach, Practice Implementation
2	Investment in county Farm Bureau events	\$ 47,046.00		Private Grant	Grant-based funding			Information, Education, Outreach

Iowa Pork Producers Association

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding? (Please use one of the classifications shown below)	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	Iowa Agriculture Water Alliance	187500		National Pork Checkoff	Annual Approp.	based on BOD approval	3	NRS Infrastructure, coordination support, other (\$250,000 annual funding)
2	Cover Crop Plot Research - ISU	58706		National Pork Checkoff	Grant Based funding	last year of 3-year research project	2	Research
3	Iowa Nutrient Research & Education Council	\$35,000		Voluntary producer - non-checkoff funds	Annual Approp.	based on BOD approval	3	NRS Infrastructure, monitoring, coordination support, research, other
4	Edge of Field Cost Share Support to IDALS	50000		National Pork Checkoff	Annual Approp.	based on committee approval	1	On the ground implementation cost share (\$25,000 annual funding)
5	Washington County Field Day support	502.5		National Pork Checkoff	Grant Based funding	based on committee approval	1	Other (producer education/outreach)
6	Manure Management Assessment Tool Research - ISU	\$60,000		National Pork Checkoff	Grant Based funding	based on committee approval	0	Research
7	Cover crops, timing & compaction research - ISU	\$40,000		National Pork Checkoff	Grant Based funding	based on committee approval	0	Research
8	Big Creek Watershed Appreciation Day	\$415		National Pork Checkoff	Grant Based funding	based on committee approval	5+	Other - Water Quality Awareness/Education
9	Fall 2017 Headlines Newsletter - Cover Crop Research	4554		National Pork Checkoff	Sustained funding (for newsletter - topics vary)	As necessary	0	Other - Producer Education/Outreach
Note - \$ all allocated FROM IPPA during reporting period								

Iowa Pork Producers Association

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.										
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)					Attendance	Partner Organizations
				<i>Water Quality</i>	<i>Soil Health</i>	<i>Practices recommended by the NRS</i>	<i>Conservation Funding Opportunities</i>	<i>Other</i>		
1	Iowa Pork Congress Seminar - "Manure, Nutrient Utilization & Water Quality"	1/24/2018	Des Moines/Polk	All the above - Cover Crop Focus					75	Iowa State University (expert presenters)

Iowa Soybean Association

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Staff resources for implementing the NRS and/or water quality improvement	
	FTEs
Infrastructure staff (e.g. administrative)	2.5
Research Staff	6.5
On-the-ground implementation staff	4.5
Other	

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding? (Please use one of the classifications shown below)	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	ISU Agronomy - soil, tile drainage, modeling	\$ 10,750.00	\$ 43,000.00	State University	Grant-based funding	0	2	Research
2	WQI - Boone River Watershed	\$ 108,402.00		State agency	Grant-based funding	2	4	Watershed planning, water monitoring, outreach
3	WQI - Miller Creek Watershed	\$ 17,705.00		State agency	Grant-based funding	2	4	Water monitoring
4	WQI - Crooked Creek Watershed	\$ 46,764.00		State agency	Grant-based funding	1	4	Watershed planning, water monitoring, outreach
5	Oxbow water monitoring (TNC)	\$ 15,690.00	\$ 28,375.00	Private grant	Grant-based funding	0	3	Water monitoring
6	Turkey River - AgSolver/Profitability	\$ 7,000.00	\$ 35,000.00	State agency	Grant-based funding	0	2	On-the-ground implementation

7	WQI - Lower Skunk River	\$ 8,927.00		State agency	Grant-based funding	2	4	Water monitoring
8	Audubon SWCD - Crabapple WQI	\$ 1,500.00		State agency	Grant-based funding	1	3	Water monitoring
9	RCCP Middle Cedar/Cedar Rapids	\$ 25,000.00	\$ 125,000.00	City	Long term funding	3	2	NRS Infrastructure; on-the-ground implementation
11	WQI - Benton County	\$ 14,343.00		State agency	Grant-based funding	2	4	Water monitoring
12	WQI - Walnut Creek	\$ 1,000.00		State agency	Grant-based funding	1	1	Water monitoring
13	WQI - Rock Creek Watershed	\$ 50,227.00	\$ 275,190.00	State agency	Grant-based funding	1	3	On-the-ground implementation
14	Iowa Nutrient Research Center - STRIPS project	\$ 7,285.00	\$ 33,244.00	State University	Grant-based funding	1	3	Research
15	IAWA - NFWF; profitability analysis	\$ 50,000.00	\$ 106,645.00	Private grant	Grant-based funding	0	2	NRS Infrastructure; on-the-ground implementation (profitability analysis)
16	IAWA - RCCP; conservation planning	\$ 45,000.00	\$ 60,000.00	Private grant	Grant-based funding	0	2	NRS Infrastructure (conservation planning)
17	IDALS-SSCC - low cost water and soil evaluation through 360 soilscan	\$ 24,326.00	\$ 44,326.00	State agency	Grant-based funding	0	2	Water and soil monitoring; research
18	League of Cities - water quality trading	\$ 13,333.00	\$ 40,000.00	Private grant	Grant-based funding	0	3	NRS Infrastructure; other
19	Cover crop project	\$ 44,740.00	\$ 122,804.00	State funding	Grant-based funding	2	1	Research
20	State CIG - saturated buffer	\$ 23,391.00	\$ 73,875.00	State agency	Grant-based funding	2	1	On-the-ground implementation; research

21	NRCS CCG - watershed planning	\$ 75,000.00	\$ 180,571.00	Federal agency	Grant-based funding	1	0	On-the-ground implementation (watershed planning)
22	Syngenta habitat project	\$ 83,420.00	\$ 166,840.00	Private grant	Grant-based funding	1	0	On-the-ground implementation (oxbows, sat. buffers, habitat)
23	WQI - Deep Creek	\$ 7,420.00		State agency	Grant-based funding	2	0	Water monitoring
24	WQI - Cedar Creek partnership	\$ 14,798.00		State agency	Grant-based funding	2	0	Water monitoring
25	Taylor County WQI	\$ 5,000.00		State agency	Grant-based funding	1	0	Water monitoring
26	Hancock County SWCD	\$ 3,205.00		State agency	Grant-based funding	1	0	Water monitoring
27	Middle Cedar river planning assistance (EOR)	\$ 8,000.00	\$ 12,765.00	Private grant	Grant-based funding	1	0	Watershed planning; outreach
28	Watershed planning	\$ 79,108.00	\$ 150,000.00	Private grant	Grant-based funding	0	1	Watershed planning
29	IAWA - Conservation Drainage	\$ 20,000.00	\$ 25,000.00	Private grant	Grant-based funding	0	1	NRS Infrastructure
30	Illinois Drainage project	\$ 6,000.00		State funding	Grant-based funding	0	0	Outreach
31	U of I water monitoring	\$ 4,000.00		State University	Grant-based funding	1	0	Water monitoring
32	Conservation Planning (NRCS)	\$ 30,000.00	\$ 100,000.00	Federal agency	Grant-based funding	0	3	On-the-ground implementation (conservation planning)
33	Iowa Soybean Association checkoff - EPS	\$ 836,341.00		Commodity Checkoff	Annual appropriation	1	16	NRS infrastructure; on-the-ground implementation; water monitoring; research; other
34	Integrated Farm and Livestock Management (IFLM)	\$ 375,000.00	\$ 375,000.00	State Agency	Annual appropriation	1	12	Research; Other (Strip-Trials)

35	Iowa Soybean Association checkoff - OFN	\$ 421,000.00	\$ 421,000.00	Commodity Checkoff	Annual appropriation	1	16	NRS Infrastructure; on-the-ground implementation; research; Other (Strip-Trials)
36	On-Farm The Climate Corporation	\$ 25,000.00	\$ 25,000.00	Private grant	Grant-based funding	1	0	Research; Other (Strip-Trials)
37	On-Farm La Crosse Seed Cover Crop Trials	\$ 10,000.00	\$ 10,000.00	Private grant	Grant-based funding	3	2	Research; Other (Strip-Trials)
38	On-Farm John Deere Project	\$ 25,000.00	\$ 25,000.00	Private grant	Grant-based funding	1	0	Research; Other (Strip-Trials)
39	On-Farm Monsanto Cover Crop	\$ 10,000.00	\$ 10,000.00	Private grant	Grant-based funding	1	0	Research; Other (Strip-Trials)
40	IDALS Modeling Excessive Nitrate Accumulation	\$ 25,000.00		State agency	Grant-based funding	0	2	Research; Other (Strip-Trials)

Iowa Soybean Association

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.								
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)			Attendance	Partner Organizations
				Water Quality	Soil Health	Practices recommended by the NRS		
1	Watershed Plan Meeting	06/20/2017	Clarion	Water Quality, Soil Health, Practices recommended by the NRS			15	Wright SWCD, NRCS, TNC
2	Watershed Plan Meeting	06/22/2017	Renwick	Water Quality, Soil Health, Practices recommended by the NRS			10	Kossuth & Humboldt SWCDs, NRCS, TNC
3	Watershed Plan Meeting	06/26/2017	Charles City	Water Quality, Soil Health, Practices recommended by the NRS			12	Floyd SWCD, NRCS, City of Charles City
4	Watershed Plan Meeting	07/14/2017	Perry	Water Quality, Soil Health, Practices recommended by the NRS			20	City of Des Moines
5	Watershed Plan Meeting	07/27/2017	Eagle Grove	Water Quality, Soil Health, Practices recommended by the NRS			15	NRCS, City of Eagle Grove
6	Watershed Plan Meeting	08/08/2017	Floyd	Water Quality, Soil Health, Practices recommended by the NRS			13	
7	Watershed Plan Meeting	9/8/2017	Perry	Water Quality, Soil Health, Practices recommended by the NRS			17	Moines
8	Watershed Plan Meeting	09/07/2017	Floyd	Water Quality, Soil Health, Practices recommended by the NRS			20	NRCS, City of Charles City
9	Watershed Plan Meeting	09/13/2017	Clarion	Water Quality, Soil Health, Practices recommended by the NRS			11	NRCS
10	Watershed Meeting	09/18/2017	Goodell	Water Quality			25	Hancock SWCD, NRCS, IFBF
11	Watershed Plan Meeting	11/17/2017	Renwick	Water Quality, Soil Health, Practices recommended by the NRS			11	Kossuth & Humboldt SWCDs, NRCS
12	Watershed Open House	11/28/2017	Vinton	Water Quality, Practices recommended by the NRS, Conservation Funding Opportunities			40	Middle Cedar WMA (lead) & IWA partners
13	Watershed Plan Meeting	12/19/2017	Tripoli	Water Quality, Soil Health, Practices recommended by the NRS			17	Bremer SWCD, NRCS, ISUEO

14	Watershed Plan Meeting	01/17/2018	Wellsburg	Water Quality, Soil Health, Practices recommended by the NRS	30	Grundy SWCD, NRCS, IAWA, Black Hawk Creek Water & Soil Coalition
15	Watershed Plan Meeting	01/23/2018	Farmersburg	Water Quality, Soil Health, Practices recommended by the NRS	36	Clayton SWCD, NRCS
16	Watershed Open House	01/25/2018	Renwick	Water Quality, Practices recommended by the NRS, Conservation Funding Opportunities	30	Wright, Kossuth & Humboldt
17	Watershed Plan Meeting	02/23/2018	Ackley	Water Quality, Soil Health, Practices recommended by the NRS	22	Middle Cedar WMA, NRCS
18	Watershed Plan Meeting	02/26/2018	Van Horne	Water Quality, Soil Health, Practices recommended by the NRS	32	Middle Cedar WMA, NRCS, Linn
19	Watershed Plan Meeting	03/09/2018	Ackley	Water Quality, Soil Health, Practices recommended by the NRS	10	Middle Cedar WMA, NRCS
20	Watershed Meeting	03/14/2018	Goodell	Water Quality	20	Hancock SWCD, ISU
21	Watershed Plan Meeting	03/19/2018	Wellsburg	Water Quality, Soil Health, Practices recommended by the NRS	21	Grundy SWCD, NRCS, IAWA,
22	Watershed Plan Meeting	03/20/2018	Waverly	Water Quality, Soil Health, Practices recommended by the NRS	12	Bremer SWCD, NRCS, ISUEO
23	Watershed Plan Meeting	03/23/2018	Reinbeck	Water Quality, Soil Health, Practices recommended by the NRS	17	Middle Cedar WMA, NRCS,
24	Watershed Plan Meeting	03/27/2018	Farmersburg	Water Quality, Soil Health, Practices recommended by the NRS	24	Clayton SWCD, NRCS
25	Watershed Plan Meeting	3/22/2017	Washington	Water Quality, Soil Health, Practices recommended by the NRS	12	Washington SWCD
26	Watershed Plan Meeting	9/6/2017	Washington	Water Quality, Soil Health, Practices recommended by the NRS	12	Washington SWCD
27	Watershed Plan Meeting	12/1/2017	Perry	Water Quality, Soil Health, Practices recommended by the NRS	15	City of Des Moines
28	Watershed Meeting - Nutrient Reduction Exchange	12/7/2017	Dubuque	Conservation Funding Opportunit	25	City of Dubuque, League of Cities
29	Watershed Plan Meeting	12/12/2017	Washington	Water Quality, Soil Health, Practices recommended by the NRS	12	Washington SWCD
30	Stalk Nitrate Sampling Meeting	12/5/2017	Waterloo	Other	20	
31	Stalk Nitrate Sampling Meeting	12/5/2017	Vinton	Other	20	
32	ISA Winter Series Meetings	2/27-3/8/2018	Various Locations	Water Quality, Soil Health, Practices recommended by the NRS	73	
33	ISA Farmer Research Conference	2/6-2/7/2018	Des Moines	Water Quality, Practices recommended by the NRS, Conservation Funding Opportunities	418	Many
34	Farmer contacts and conservation assessments	Various	Various Locations	Outreach and Education; On-the-ground implementation	61 farmers; 44 assessments	

Iowa Soybean Association

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 3 - LAND

Was your organization involved in the construction of any of the following structural practices? Bioreactors, saturated buffers, or water quality treatment wetlands (i.e. CREP-style wetlands)						
	Please indicate each constructed practice (highlight the cell and use the dropdown arrow)	Approximate location of practice (the HUC12 watershed code is preferred, but HUC8 or county will also work)	Year installed (calendar year)	Was state or federal cost-share funding used to install this practice? This item is very important, as we are hoping to understand the extent of practices installed <i>without</i> cost-share funding	If cost-share was NOT used for this practice: How many acres are treated by this practice?	Were any other organizations actively involved in the construction of this practice? (This item will help us check for double-reporting)
1	Bioreactor	70802010604	2017	Yes		IAWA 50% cost share
2	Saturated buffer	70802010605	2017	Yes		IAWA 50% cost share
3	Saturated buffer	70802010605	2017	Yes		IAWA 50% cost share
4	Saturated buffer	70802010605	2017	Yes		IAWA 50% cost share
5	Saturated buffer	70802010605	2017	Yes		IAWA 50% cost share

Iowa Soybean Association

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 4 - WATER

For the sake of brevity, this part of the report was excluded from this document. For more information on ISA's reported monitoring sites, contact Laurie Nowatzke at lwissler@iastate.edu.

Iowa Agriculture Water Alliance

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Staff resources for implementing the NRS and/or water quality improvement	
	FTEs
Infrastructure staff (e.g. administrative support)	1
Research Staff	0
On-the-ground implementation staff	0
Other	3

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding? (Please use one of the classifications shown below)	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	Iowa Corn Growers Association	\$250,000.00		Commodity Check-Off	Sustained Funding	1	3	Other
2	Iowa Pork Producers Association	\$250,000.00		Commodity Check-Off	Sustained Funding	1	3	Other
3	Iowa Soybean Association	\$250,000.00		Commodity Check-Off	Sustained Funding	1	3	Other
4	McKnight Foundation	\$60,000.00		Private Grant	Grant-based funding	0	1	Other
5	Business Council	\$235,500.00		Other	Sustained Funding	0	2	Other
6	NRCS CCG	\$25,000.00		State Agency	Grant-based funding	1	0	Other
7	Iowa Corn EOF Grant		\$100,000.00	Private Grant	Grant-based funding	0	0	Other
8	MAWQP RCPP	\$0.00	\$0.00	Federal Agency	Grant-based funding	3		NRS Infrastructure (e.g. administrative support), On-the-ground implementation
9	NFWF Grant	\$30,000.00	\$100,000.00	Federal Agency	Grant-based funding	0	2	Other

Iowa Agriculture Water Alliance

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.										
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)					Attendance	Partner Organizations
				Water Quality	Soil Health	Practices recommended by the NRS	Conservation Funding Opportunities	Other		
1	Other (One Water Iowa Delegation)	6/29/2017	New Orleans	x	x	x	x		30	Iowa Soybean Association, Agriculture's Clean Water Alliance
2	Workshop (Cover Crop Working Group)	8/4/2017	Clive	x	x	x	x		25	Practical Farmers of Iowa, Iowa Farm Bureau, La Crosse Seed
3	Other (CCA/Ag Exec Focus Group 1)	8/15/2017	Huxley	x	x	x	x		25	Agribusiness Association of Iowa, Agriculture's Clean Water Alliance
4	Other (CCA/Ag Exec Focus Group 2)	8/29/2017	Des Moines	x	x	x	x		35	Agribusiness Association of Iowa, Agriculture's Clean Water Alliance
5	Conference (CI Conference)	11/29/2017	Huxley	x	x	x	x		70	Context
6	Other (LICA Panel)	1/8/2018	Des Moines	x		x	x		45	Land Improvement Contractors Association, Iowa Corn Growers Association, Iowa Soybean Association
7	Other (Governor's Press Conference)	1/22/2018	Des Moines	x	x	x	x		30	Iowa Department of Agriculture and Land Stewardship
8	Other (CI Panel at ISA Research Conference)	2/7/2018	Des Moines	x		x	x		85	Iowa Soybean Association, Iowa Department of Agriculture and Land Stewardship
9	Workshop (HNR PTMAApp Workshop)	3/30/2018	Laurens	x		x		x	35	Houston Engineering Inc., Headwaters of the North Raccoon WQI Project

Iowa Agriculture Water Alliance

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 3 - LAND

Was your organization involved in the construction of any of the following structural practices? Bioreactors, saturated buffers, or water quality treatment wetlands (i.e. CREP-style wetlands)						
	Please indicate each constructed practice (highlight the cell and use the dropdown arrow)	Approximate location of practice (the HUC12 watershed code is preferred, but HUC8 or county will also work)	Year installed (calendar year)	Was state or federal cost-share funding used to install this practice? This item is very important, as we are hoping to understand the extent of practices installed <i>without</i> cost-share funding	If cost-share was NOT used for this practice: How many acres are treated by this practice?	Were any other organizations actively involved in the construction of this practice? (This item will help us check for double-reporting)
1	Bioreactor	Dallas	2017	Yes		Iowa Soybean Association, Iowa Department of Agriculture and Land Stewardship
2	Bioreactor	Carroll	2017	Yes		Iowa Soybean Association, Iowa Department of Agriculture and Land Stewardship
3	Saturated Buffer	Buena Vista	2017	Yes		Iowa State University, Headwaters of the North Raccoon Water Quality Initiative Project, Agriculture's Clean Water Alliance

The Nature Conservancy

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Staff resources for implementing the NRS and/or water quality improvement	
	FTEs
Infrastructure staff (e.g. administrative support)	0.5
Research Staff	0.25
On-the-ground implementation staff	4
Other	3

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding? (Please use one of the classifications shown below)	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	Boone River Watershed			Private and federal grants	Grant-based funding	1	16	On-the-ground implementation
2	Iowa 4R Plus			private	Grant-based funding	1	2	other- marketing and outreach and training
3	Swamp White Oak (Lower Cedar)			private and federal	Grant-based funding	1	18	on the ground implementation
4	Cedar River watershed			private	Grant-based funding	1	2	on the ground implementation
5	Des Moines area watersheds			private	Grant-based funding	1	1	on the ground implementation
6	Research			private	Grant-based funding		3	research
			\$1,100,000					research

The Nature Conservancy

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.										
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)					Attendance	Partner Organizations
				Water Quality	Soil Health	Practices recommended by the NRS	Conservation Funding Opportunities	Other		
1	Field Day	7/27/2017	Hamilton County	x	x	x	x		15	
2	Field Day	9/22/2017	Wright County	x	x	x	x		40	SWCD, ISA, NRCS, DNR
3	4R Plus coalition team meetings (11/1/2017 and 5/24/18)	11/1/2017	Des Moines, IA	x	x	x			30	NRCS, ISA, Iowa Corn, ag retailers, ISU, PFI, IPNI, TFI, IDALS, SHP, TNC, IAWA, AAI, City of CR, CF Industries, John Deere, Twin State, Inc., CTIC, Continuum Ag, Growmark, Land O'Lakes, Peoples
	4R Plus coalition team meeting	5/24/2018	Des Moines, IA	x	x	x			30	
4	4R Plus launch, AAI showcase	2/13/2018	Des Moines, IA	x	x	x			250	AAI
6	Middle Cedar Foresight Workshop	3/12/2018	Cedar Rapids, IA	x	x		x	Coordination	30	University of Minnesota, Cedar Rapids, IAWA, TNC
7	Mitchell SWCD No Till Workshop	3/15/2018	Osage, IA	x	x	x	x	Oxbows	20	Mithcell and Floyd NRCS and SWCD, TNC
8	Morgan Creek Watershed Input Session	3/13/2018	Cedar Rapids, IA	x		x		Watershed Plan and Oxbows	20	Middle Cedar WMA, Cedar Rapids, Linn County Conservation and Iowa Valley RC&D, TNC
9	Cedar River Watershed Coalition	3/9/2018	Cedar Rapids, IA	x	x		x		45	Linn CCB, DNR, CRWS Coalition

10	Linn County Landowners Forum	9/17/2017	Marion, IA		x	Native Plants	75	INHF Monarch Research Project, Trees Forever, Indian Creek Nature Center and Linn County Conservation
11	Lower Cedar WMA organizational meeting	11/14/2017	West Branch, IA	x		Flooding	25	Lower Cedar WMA members, NRCS
12	Lower Cedar WMA first board meeting	2/13/2018	Tipton, IA	x		Flooding	25	Lower Cedar WMA members, NRCS

The Nature Conservancy

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 3 - LAND

Was your organization involved in the construction of any of the following structural practices? Bioreactors, saturated buffers, or water quality treatment wetlands (i.e. CREP-style wetlands)						
	Please indicate each constructed practice (highlight the cell and use the dropdown arrow)	Approximate location of practice (the HUC12 watershed code is preferred, but HUC8 or county will also work)	Year installed (calendar year)	Was state or federal cost-share funding used to install this practice? This item is very important, as we are hoping to understand the extent of practices installed <i>without</i> cost-share funding	If cost-share was NOT used for this practice: How many acres are treated by this practice?	Were any other organizations actively involved in the construction of this practice? (This item will help us check for double-reporting)
1	Water quality treatment wetland	Lyon's Creek: 071000050701	2017	Federal		Fishers and Farmers Partnership
2	Water quality treatment wetland	Boone River: 7100005	2017	Federal		U.S. Fish and Wildlife Service
3	Water quality treatment wetland	Morgan Creek 070802051506	2018	Private	20	TNC
4	Water quality treatment wetland	Stewart Creek-Cedar River 070802011003	2017	Federal, State, and Private		NRCS, IDALS, FSA
5	Water quality treatment wetland	Headwaters Bailey Creek: 070802040101	2017	State and Private	1050	DNR, FWS
6	Water quality treatment wetland	Headwaters Black Hawk Creek 070802050502	2017	Federal, State, and Private		NRCS, IDALS, FSA
7	Water quality treatment wetland	Indian Creek 070802060103	2017	Private	21	TNC
8	Water quality treatment wetland	River, Polk Co.,	2017	State		Polk SWCD, City of Clive
9	Water quality treatment wetland	River, Polk Co.,	2017	State		Polk SWCD, City of Clive
10	Water quality treatment wetland	Walnut Creek - Little Walnut, Dallas Co., .71000061602	2017	State		Polk SWCD
11	Water quality treatment wetland	Walnut Creek - Little Walnut, Dallas Co., .71000061602	2017	State		Polk SWCD

The Nature Conservancy

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 4 - WATER

	Spatial Scale of Monitoring	Monitoring Location	Parameters Measured (Please list any of the parameters shown below)								
			NO2-N	NO3-N	NH4-N	TKN	Diss PO4-P	TSS	TDS	VSS	Flow
1	Edge-of-Field	5 restored oxbow locations near Webster City and Woolstock, Iowa: 93°46'33.13"W 42°33'30.238"N ; 93°45'24.988"W 42°35'47.361"N ; 93°45'28.402"W 42°35'46.229"N ; 93°47'15.43"W 42°31'22.507"N ; 93°45'16.086"W 42°28'40.557"N	x	x			x				
2	HUC12	Outlets of all 30 HUC12 subwatersheds of Boone River	x	x							x
3	Edge-of-Field	Restored Morgan Creek Oxbow 41.981813, -91.772999									

Continued:

	In what year did this project begin collecting water quality data?	How many years has data been collected since the project start date?	Is data collection still ongoing? (Y or N)	Partner Organizations	How frequently does monitoring occur? (Please indicate one of the options shown below)				
					Real-Time	Monthly	Bi-Annually	Annually	Other (Please describe)
1	2014	4	N	ISA, USGS, DNR, NRCS					Every other week
2	2007	10	N	ACWA, ISA					Every other week
3	2017	1	N	IIHR, LCCB	Real-Time				

Trees Forever

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 1 - INPUTS (Funding Sources)

Staff resources for implementing the NRS and/or water quality improvement	
	FTEs
Infrastructure staff (e.g. administrative support)	0.5
Research Staff	
On-the-ground implementation staff	1
Other	

Funding sources appropriated by or for your organization, related to soil conservation, water quality, or Nutrient Reduction Strategy efforts								
	Program Name or Description	Funding Amount for your organization (\$/year)	Total Project Funding (\$/year)	Primary Funding Source	How would you classify this funding? (Please use one of the classifications shown below)	How many years will this funding be predictably available in the future? (Excluding this reporting period)	How many years has this funding been available so far? (Excluding this reporting period)	Primary Product of Funding (Please use one of the options shown below)
1	Trees Forever Working Watersheds Buffers & Beyond	\$80,000.00	\$80,000.00	Private Grant & Membership Dues	Grant-based funding	2	21	On the ground implementation and education
2	Iowa Pollinator Program	\$34,938.00	\$34,938.00	Private Grant & Membership Dues	Grant-based funding	2	6	On the ground implementation and education

Trees Forever

NRS REPORTING June 1, 2017 to May 31, 2018 ELEMENT 2 - HUMAN (Outreach and Education Efforts)

Education and outreach events that your organization hosted between June 1, 2017, and May 31, 2018.										
	Type of Event	Date (mm/dd/yyyy)	Location (Town and/or County)	Topics Covered (List any of the topics below that accounted for at least 25% of the material covered at the event)					Attendance	Partner Organizations
				Water Quality	Soil Health	Practices recommended by the NRS	Conservation Funding Opportunities	Other		
1	Planting Event - Idelwild Campground	6/11/2017	Floyd	x					35	Floyd County Conservation Board
2	Maggie McQuown Field Day	6/15/2017	Red Oak	x	x		x		55	Iowa Learning Farms, IDNR Forestry
3	Carr Field Day	7/20/2017	Eldora	x					20	IDNR Forestry, NRCS
4	Fall Field Tour	9/30/2017	Parnell	x					60	IA Woodland Owners Association, IA Nut Growers Association
5	Planting Event - Junior Foresters	3/28/2018	Ames	x					255	Prudentera,