



Dickinson County Water Quality Commission

COMMISSIONER HANDBOOK

Contents

History and Overview..... 4

Frequently Asked Questions 5

Commissioner Information 6

Year One, Fiscal Year 2003 (2002 - 2003) 7

 Year One, Fiscal Year 2003 Project Descriptions 8

Year Two, Fiscal Year 2004 (2003 - 2004) 10

 Year Two, Fiscal Year 2004 Project Descriptions 11

Year Three, Fiscal Year 2005 (2004 - 2005)..... 13

 Year 3, Fiscal Year 2005 Project Descriptions 14

Year Four, Fiscal Year 2006 (2005 - 2006)..... 16

 Year Four, Fiscal Year 2006 Project Descriptions..... 17

Year Five, Fiscal Year 2007 (2006 - 2007) 18

 Year Five, Fiscal Year 2007 Project Descriptions..... 19

Year Six, Fiscal Year 2008 (2007 - 2008)..... 20

 Year Six, Fiscal Year 2008 Project Descriptions..... 21

Year Seven, Fiscal Year 2009 (2008 - 2009) 22

 Year Seven, Fiscal Year 2009 Project Descriptions 23

Year Eight, Fiscal Year 2010 (2009 - 2010)..... 24

 Year Eight, Fiscal Year 2010 Project Descriptions..... 25

Year Nine, Fiscal Year 2011 (2010 - 2011) 27

 Year Nine, Fiscal Year 2011 Project Descriptions..... 28

Year Ten, Fiscal Year 2012 (2011 - 2012) 30

 Year Ten, Fiscal Year 2012 Project Descriptions 31

Year Eleven, Fiscal Year 2013 (2012 - 2013) 32

 Year Eleven, Fiscal Year 2013 Project Descriptions 33

Year Twelve, Fiscal Year 2014 (2013 - 2014)..... 34

 Year Twelve, Fiscal Year 2014 Project Descriptions..... 35

Year Thirteen, Fiscal Year 2015 (2014 - 2015) 36

 Year Thirteen, Fiscal Year 2015 Project Descriptions 37

Year Fourteen, Fiscal Year 2016 (2016 - 2017) 38

 Year Fourteen, Fiscal Year 2016 Project Descriptions 39

Year Fifteen, Fiscal Year 2017 (2017 - 2018)..... 41

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Fifteen, Fiscal Year 2017 Project Descriptions.....	42
Year Sixteen, Fiscal Year 2018 (2018 - 2019)	44
Year Sixteen, Fiscal Year 2018 Project Descriptions	45
Year Seventeen, Fiscal Year 2019 (2019 - 2020)	46
Year Seventeen, Fiscal Year 2019 Project Descriptions	47
Year Eighteen, Fiscal Year 2020 (2020 - 2021).....	49
Year Eighteen, Fiscal Year 2020 Project Descriptions	50
Year Nineteen, Fiscal Year 2021 (2021 - 2022)	51
Year Nineteen, Fiscal Year 2021 Project Descriptions	52
Year Twenty, Fiscal Year 2022 (2022 - 2023)	54
Year Twenty, Fiscal Year 2022 Project Descriptions	55
Year Twenty-One, Fiscal Year 2023 (2023 - 2024)	57
Year Twenty-one, Fiscal Year 2023 Project Descriptions.....	58
Summary of Water Quality Commission Applications Year One through Today:	59
BYLAWS OF DICKINSON COUNTY WATER QUALITY COMMISSION	61
28E Agreement for the Water Quality District	64
Chronological Index of Before, During, and After Pictures.....	71

History and Overview

The Purpose

The Water Quality Commission (WQC) was established in 2001 to provide a stable funding source –providing local money as a match to private, state, and federal revenues - for water quality projects for lakes in Dickinson County. This one-of-a-kind organization in the state is comprised of 18 commissioners who represent the county and its ten municipalities. Among the many objectives of the WQC are: To bring a minimum of \$3 in federal, state, and private matching funds to every \$1 administered by the WQC and provide an outlet for individuals and organizations in the Dickinson County communities that are looking for money to improve water quality. In its first year of operation in 2001, the WQC had a pool of \$100,000 to grant to water quality projects to improve lakes in Dickinson County. In each subsequent year, the WQC has administered \$200,000 in water quality projects. The Water Quality Commission's 28E Agreement renews automatically every 2 years after the initial 10 years of the Commission.

The Beginning

The Water Quality Commission was created to provide a local match for water quality projects. The first attempt at creating a commission was to create a lake taxing district that would have been applied to the first two layers of property adjacent to the lake. There was almost no opposition to the taxing district at informational meetings, however when it came to a vote before the County Board of Supervisors the public was very opposed to the proposed district. A group of local citizens gathered after the failing vote, calling themselves "Citizens Concerned for Water Quality", to attain local funding for water quality projects in Dickinson County. A facilitator from Des Moines with Boddie Media came to Dickinson County to facilitate a meeting and to discuss options for creating a water quality fund. This was where the 28-E concept for water quality funding was started. The Citizens Concerned for Water Quality gathered facts and information and presented the concept to the Dickinson County Board of Supervisors. The Supervisors voted to support this agreement unanimously with one stipulation, that every city in the county must join the 28-E agreement. The Citizens Concerned for Water Quality received support from every city with a unanimous vote from every city council in the county. The Water Quality Commission was formed in 2001 and has been hard at work protecting Dickinson Counties Lakes since then.

Accomplishments

In the original WQC proposal it was stated that the organization's funds would produce \$3 in match money for every \$1 in local money. The WQC has done exactly what it was set up to do financially - to create a local match source for private, state, and federal funds and match every dollar of local money with \$3 of matching funds. The Water Quality Commission at the end of 11 years has funded 74 projects and allocated a total of \$1.9 million dollars with a total of match of \$18 million dollars in matching money from state, federal and private funds. That is a total match brought back to the county of nearly \$10 dollars to every commission dollar allocated.

Frequently Asked Questions

Q - Is funding for the Water Quality Commission tax money and where does it come from?

A - The funds that support the Water Quality Commission (WQC) can come from any source of funds that a municipality chooses. This could be property taxes, drinking water assessments, general funds etc. There is not one specific fund that any municipality needs to pull the funding from, that is left up to each entity. The only restriction is with county funds, they can not come from general funds, they must come from the rural services. This prevents people who live in the municipalities from paying twice.

Q - Does the Water Quality Commission (WQC) fund multiple year projects?

A - No, the WQC does not fund multiple year projects. In the past the WQC has attempted to fund two- or three-year projects and management of these funds has been difficult. Many concerns have prompted the WQC to not allow funding beyond one year at a time. This restriction does not prevent the applicant from coming back consecutive years for the same project. Some groups have successfully come back several years in a row for multi-year projects.

Q - How does a Commissioner get selected?

A - Commissioners are appointed by a municipality or the County to represent them. The number of positions currently held by each member of the 28-E agreement was determined by taxable evaluation in 2000.

Q - Is the Water Quality Commission permanent?

A - No. The Water Quality Commission's 28-E agreement continues through 2009 with an automatic renewal every 2 years beyond 2009. The 2-year continuation was requested so if the program was not working that it could be easily dissolved.

Q - Does the Water Quality Commission have staff?

A - No. The Water Quality Commission has an agreement with the Dickinson County Soil and Water Conservation District to administer the program. Currently the Dickinson County Soil and Water Quality District has the Clean Water Alliance Coordinator administer this project.

Q - How often does the Water Quality Commission meet?

A- The Water Quality Commission meets about six times a year. The commission tries to meet quarterly but main meetings are usually held around the end of March, the middle of July, the middle of July and then the middle of September for election of officers and update on project proposal requests being written. Finally, between two or three meetings are held in October through November to approve projects and to set the budget for the upcoming fiscal year.

Q - How much money does the Commission grant each year?

A - The Commission is normally entrusted with granting 200,000 dollars each year, however, there have been times where the dollar amount has fluctuated. The Commission tries to match over 3 dollars for every one dollar that it grants out and has been very successful at doing that.

Commissioner Information

Grant Screening Criteria

1. The Commission will not approve grants to “for profit” organizations.
2. The Commission will not approve grants where the project is deemed a duplication of other projects in progress.
3. The Commission will not approve grants unless the water quality issue and project goals are clearly identified and the relevance of the goals to the water quality issue is clearly established.
4. The Commission will not approve grant requests from 28E Agreement Governments.
5. The Commission will not approve grant requests for any other, permanent, full-time, or part-time salary, travel, benefits, etc.
6. The Commission will not approve grant requests if the applicant has not included letters of support from organizations who are providing the hard match funds.
7. Projects are ineligible to be funded if they receive 50% or less of the 100 points in the grant scoring process.

Ranking Criteria

1. PROJECT NEED AND DATA: Project identifies nature and scope of water quality problem and produces data that identifies or documents condition of the lake or cites data that shows the project will improve the water quality of the lake(s).
2. PROJECT BENEFITS: How much direct impact will the project have on the water quality of Dickinson County Lake(s)?
3. PROJECT AWARENESS: How much will the project influence awareness of water quality issues facing Dickinson County? This section should include a Public Awareness Plan which outlines how the applicant will improve and promote the project to the public.
4. BUDGET AND TIMELINE: Are the budget and timeline for the project well defined, realistic, and cost effective?
5. Are the Commission funds matched by other funding sources?
6. Any hard match that is given by an outside group must have the amount of the matching dollars included in their letter of support.

DICKINSON COUNTY WATER QUALITY COMMISSION

2003 Water Quality Commissioners

Dickinson County

Wayne Northey

Darryl Halling

June Goldman

Arnolds Park

Ron Walker

Greg Drees

Lake Park

Jeff Rolfes

Milford

Bob Sewell

Mel Berryhill

Okoboji

Jane Shuttleworth

David Thoreson

Orleans

Carlton Mitchell

Spirit Lake

Pat Mc Norton

Bob Chosen

Superior

Everett Houge

Terril

Jim Fairchild

Wahpeton

Brad Jones

Tim Wilson

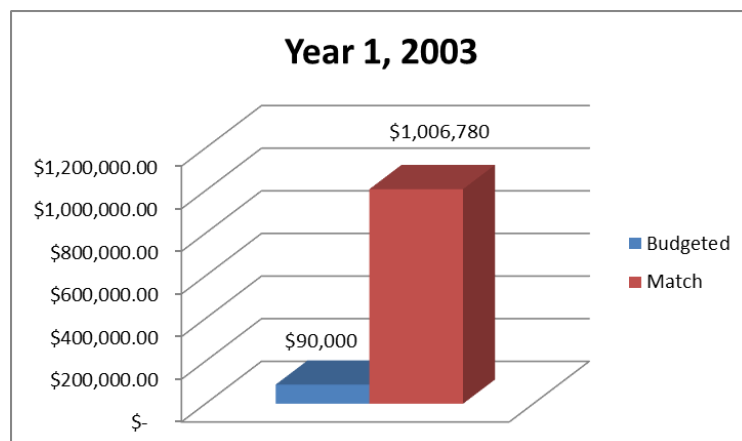
West Okoboji

Orville Berg

Year One, Fiscal Year 2003 (2002- 2003)

Projects	Requested	Budgeted
Natural Resources Inventory	\$3,740	\$3,740
IGL Color-Infrared Digital Photography Project	\$2,500	\$2,500
Probing Scientist on the Little Sioux	\$1,993	\$1,469
Water Monitoring In Dickinson County (3 Yr Project)	\$34,550	\$34,500
Clean Water Alliance	\$21,000	\$21,000
Joint Naturalist Internship	\$10,000	\$10,000
Southern Tall Grass Prairie NAWCA (3 Yr Project)	\$100,000	\$5,000
Clean Water Alliance Communications Plan	\$4,000	\$4,000
Administration	\$892	\$942
Silver Lake Sediment Control	\$815*	\$0
IGL Clean Water Project(3 Yr. Project)	\$50,879*	\$0
Totals	\$230,369	\$100,000

The first year of the Water Quality Commission there were a total of 12 projects applications requesting funds for a total \$112,000. The two projects with the asterisk show projects that were funded but were not completed through reasons beyond the applicant's control. The Water Monitoring Program and the IGL Clean Water Project were only funded for one year of their 3-year project lives. Total match to projects for this year was \$1,006,780 so every local dollar was matched with \$10 dollars from outside sources.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year One, Fiscal Year 2003 Project Descriptions

Natural Resources Inventory

\$3,740

The purpose of this project is to begin gathering and compiling the natural resources information and present it in a useable format (written, map) to local agencies and organizations involved with protecting the Iowa Great Lakes and other natural areas in Dickinson County. This request was submitted by Iowa Natural Heritage Foundation.

IGL Color-Infrared Digital Photography Project

\$2,500

This project was to complete aerial color infrared photography of the full Iowa Great Lakes Watershed, Silver Lake Watershed and parts of the Little Sioux Watershed and Des Moines Watershed. This mapping will help us identify areas of severe erosion so that they can be addressed and reduce the amount of soil entering the watershed. We would also anticipate that this photography will be used for planning purposes in these areas in combination with existing Geographic Information Systems. This request was submitted by Jackson County Planning, Zoning and Environmental Offices.

Probing Scientist on the Little Sioux

\$1,469

Spirit Lake biology students are currently participating in a project whose objective is to provide ongoing assessment of water quality in Dickinson County. In addition to collecting data on the chemical properties of the Little Sioux River this project will connect probes to Palm handheld computers to collect data more accurately and efficiently on temperature, dissolved oxygen, and pH in the river. This request was submitted by Spirit Lake School District.

Water Monitoring In Dickinson County

\$34,500

CLAMP is a volunteer lake monitoring program started in 1999 by Iowa Lakeside Lab and Friends of Lakeside Lab. Volunteers collect water samples throughout the summer on nine lakes in Dickinson County, Iowa. The goal of CLAMP is to provide long term monitoring data for algae conditions and educate local citizens about lake ecology. This is a three-year project and was submitted by the Friends of Lakeside Lab.

Clean Water Alliance

\$21,000

The Clean Water Alliance works with 64 groups consisting of conservation groups, government agencies and policy makers to protect water quality. The Clean Water Alliance also works with the public to address concerns, answer questions and give advice to protect water quality in Dickinson County. The Clean Water Alliance is responsible for holding quarterly meetings in Iowa and Minnesota to ensure citizens are educated, informed, able to cooperate about projects affecting water quality. This request was submitted by Dickinson County Soil and Water Conservation District.

Joint Naturalist Internship

\$10,000

The naturalist internship program for Dickinson County Conservation Board and Friends of Lakeside Lab was the coordinator of the state-wide volunteer water quality program, IOWATER, for Dickinson and joined with Minnesota's Jackson County to collect data from Minnesota waterways and lakes that directly affect Iowa's water quality. The internship also conducted environmental educational programs

DICKINSON COUNTY WATER QUALITY COMMISSION

for the Dickinson County Conservation Board and Friends of Lakeside Lab. This request was submitted by Friends of Lakeside Lab and Dickinson County Conservation Board jointly.

Southern Tall Grass Prairie NAWCA (3 Yr. Project)

\$5,000

This project was a part of the North American Wetlands Conservation Act (NAWCA) and is intended to match State and Local funds for Federal dollars through this program. The goal of the NAWCA is to restore wetlands and nesting habitat, while protecting water quality. These funds will be geared toward watershed protection and improved water quality benefits along with expanded and enhanced wildlife habitat for migratory and other waterfowl. This request was submitted by Iowa DNR

Clean Water Alliance Communications Plan

\$4,000

The project coordinates public awareness and information for Clean Water Alliance Members, residents of the area, and visitors to the lakes of Dickinson County. Radio, television, newspaper, and magazines will be used for the dissemination of information. In addition, the internet will be used with a website and social media outlets. The Clean Water Alliance Coordinator will facilitate the plan. This request was submitted by the Friends of Lakeside Lab.

Silver Lake Sediment Control

\$815*

The Silver Lake sediment and rearing pond project will provide work to refurbish a dike and control structure that was built by the Iowa DNR. The dike and control structure have created a wetland that has protected a 160-acre watershed of Silver Lake. This watershed contains 30 acres of pasture and 130 acres of row crop. This request was submitted by Silver Lake Sportsman's Club. This project was not completed, and its funds were allocated to the Southern Tall Grass Prairie NAWCA Project.

IGL Clean Water Project (3 Yr. Project)

\$16,034*

The Iowa Great Lakes Clean Water Project supports public education and cost share incentives for best management practices on agricultural and urban land and management of the watershed through technology and partnerships. This request was submitted by the Dickinson County Soil and Water Conservation District. This project was not completed, and its funds were allocated to the Southern Tall Grass Prairie NAWCA Project.

Final Note for FY2002

The Spirit Lake School District did not receive all the funding it initially requested. They were allowed to request the remaining funds the following year from the Water Quality Commission. That request for \$524 was approved in year two.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Two, Fiscal Year 2004 (2003- 2004)

2004 Water Quality Commissioners

Dickinson County

Wayne Northey

Darryl Halling

Mardi Allen

Arnolds Park

Ron Walker

Greg Drees

Lake Park

Jeff Rolfes

Milford

Bob Sewell

Mel Berryhill

Okoboji

Jane Shuttleworth

David Thoreson

Orleans

Carlton Mitchell

Spirit Lake

Pat Mc Norton

Bob Chosen

Superior

Everett Houge

Terril

Mark Benedict

Wahpeton

Brad Jones

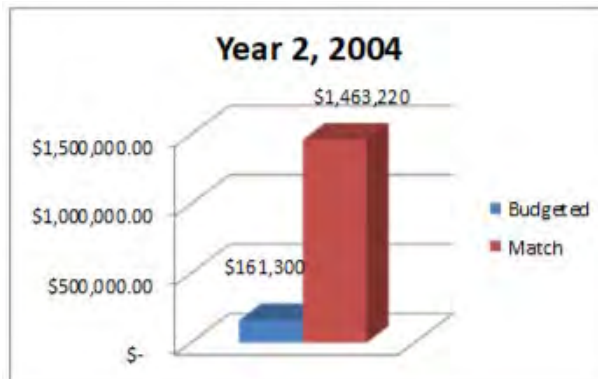
Tim Wilson

West Okoboji

Orville Berg

Projects	Requested	Budgeted
Larry Wilson area of Spring Run Complex	\$75,000	\$75,000
Clean Water Alliance Project	\$21,000	\$21,000
Conservation Easement Funds	\$52,000	\$20,750
Water Monitoring In Dickinson County (3 Yr Project)	\$34,550	\$20,750
Underground Tile Intakes (2 Yr Project)	\$5,000	\$5,000
Implementation of Conservation in Jackson Co.	\$5,000	\$5,000
Communications Plan	\$2,500	\$2,500
Naturalist Internship	\$8,800	\$8,800
Phosphorus Free Fertilizer Promotion*	\$2,500	\$2,500
Rush Lake Acquisition	\$32,000	0
Totals	\$206,350	\$161,300

The second year of the Water Quality Commission was entrusted with \$200,000 to budget for water quality projects. The commission allocated \$38,500 from the previous year's commitments for multi-year projects. The Water Quality Commission received 13 additional project applications requesting funds for a total \$379,000. The Water Quality Commission funded \$161,300. It was determined that multi-year projects were too difficult to plan and budget for, so no projects were funded for more than one year. Total match to projects for this year was \$1,463,220 so every local dollar was matched with \$6 dollars from outside sources.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Two, Fiscal Year 2004 Project Descriptions

Larry Wilson Area of Spring Run Complex

\$75,000

Acquisition of the 653 - acre Jaquith Property to be part of the Spring Run Wetland Complex and Larry Wilson Wildlife area. This property intercepts 29% of the East Okoboji Lake watershed. Approximately 2,250 pounds of Phosphorous is stopped by this project from reaching East Okoboji Lake. This project was submitted by the Iowa Natural Heritage Foundation.

Clean Water Alliance Project

\$21,000

The Clean Water Alliance works with 64 groups consisting of conservation groups, government agencies and policy makers to protect water quality. The Clean Water Alliance also works with the public to address concerns, answer questions and give advice to protect water quality in Dickinson County. The Clean Water Alliance is responsible for holding quarterly meetings in Iowa and Minnesota to ensure citizens are educated, informed, able to cooperate about projects affecting water quality. This request was submitted by Dickinson County Soil and Water Conservation District.

Conservation Easement Funds

\$20,750

This project helped to secure small areas such as existing wetlands by paying full conservation easement value for the property. The Conservation Easement Program created a funding pool to give permanent protection for wetlands in Dickinson County Watersheds. The project was submitted by the Dickinson County Soil and Water Conservation District.

Water Monitoring in Dickinson County

\$20,750

CLAMP is a volunteer lake monitoring program started in 1999 by Iowa Lakeside Lab and Friends of Lakeside Lab. Volunteers collect water samples throughout the summer on nine lakes in Dickinson County, Iowa. The goal of CLAMP is to provide long term monitoring data for algae conditions and educate local citizens about lake ecology. This is a three-year project and was submitted by the Friends of Lakeside Lab.

Underground Tile Intakes

\$5,000

Rock tile intakes remove surface intakes and lower them underground and cover them with rock. This practice will eliminate the amount of sediment and phosphorus entering the lakes by an average of 3 pounds of Phosphorous per intake. These practices will be cost shared at 50% up to 200 dollars maximum with the landowner. This project was submitted by the Dickinson County Soil and Water Conservation District.

Implementation of Conservation in Jackson County

\$5,000

In April of 2002, a technician position was established to work specifically with landowners and operators in the Jackson County portion of the Iowa Great Lakes Watershed. To date this Technician has been very successful at meeting with landowners, rallying support and finding good projects. The Technician has been successful at getting additional CRP signups in the watershed and has leads on many more worthwhile projects. The project was submitted by the Jackson County Soil and Water Conservation District.

DICKINSON COUNTY WATER QUALITY COMMISSION

Communications Plan

\$2,500

Phase one of the public awareness portion of the Clean Water Alliance Communications Plan, began during the previous year (FY 2002). The money for Phase one and that was allocated in FY 2002 was for designing a logo or mascot for water quality ads, for the radio and print ads, and for printing and copying. Phase two which is what the funds requested under this project proposal were used for posters, brochures, magazine and newspaper ads, television ads, and internet ads. This project was submitted by the Friends of Lakeside Lab.

Joint Naturalist Internship

\$8,800

The naturalist internship program for Dickinson County Conservation Board and Friends of Lakeside Lab was the coordinator of the state-wide volunteer water quality program, IOWATER, for Dickinson and joined with Minnesota's Jackson County to collect data from Minnesota waterways and lakes that directly affect Iowa's water quality. The internship also conducted environmental educational programs for the Dickinson County Conservation Board and Friends of Lakeside Lab. This request was submitted by Friends of Lakeside Lab and Dickinson County Conservation Board jointly.

Phosphorus Free Fertilizer Promotion

\$2,500*

The Lake 'n Lawn Saver Phosphorus Free Lawn Fertilizer project helped to educate the public about the use of phosphorus free and organic fertilizer. The goal is to educate professional lawn care workers and the public to empower them to protect the lakes of Dickinson County. This request was submitted by Iowa Great Lakes Resource Conservation and Development.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Three, Fiscal Year 2005 (2004- 2005)

2005 Water Quality Commissioners

Dickinson County

Wayne Northey
Darryl Halling
Mardi Allen

Arnolds Park

Ron Walker
Greg Drees

Lake Park

Ann Ditsworth

Milford

Bob Sewell
Mel Berryhill

Okoboji

Jane Shuttleworth
David Thoreson

Orleans

Carlton Mitchell

Spirit Lake

Pat Mc Norton
Bob Chosen

Superior

Everett Houge

Terril

Mark Benedict

Wahpeton

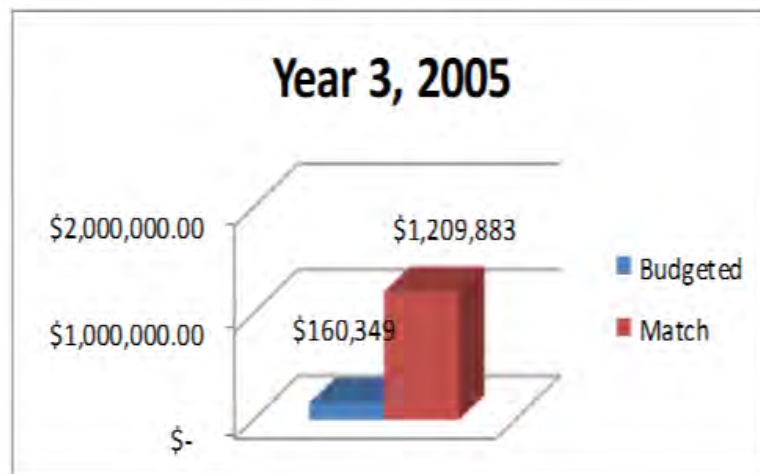
Brad Jones
Tim Wilson

West Okoboji

Orville Berg

Projects	Requested	Budgeted
IGL Low Impact Development Project	\$10,000	\$10,000
Clean Water Alliance Project	\$23,500	\$23,500
Demonstration Water Quality Parking Lot	\$45,000	\$45,000
Water Monitoring In Dickinson County	\$38,222	\$8,149
Underground Tile Intakes	\$5,000	\$5,000
Implementation of Conservation in Jackson Co.	\$10,000	\$10,000
IGL Watershed Protection	\$80,000	\$40,000
Naturalist Internship	\$3,700	\$3,700
Water Resources Investigation	\$15,000	\$15,000
Financial Incentives	\$15,000	\$0
Totals	\$230,422	\$160,349

The third year of the Water Quality Commission a total of \$200,000 was entrusted to the commission for water quality projects. The Water Quality Commission received 10 project applications requesting funds for a total \$230,422. The Water Quality Commission funded \$160,349 dollars for projects. Total match to projects for this year was \$1,209,883 so every local dollar was matched with \$6 dollars from outside sources.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year 3, Fiscal Year 2005 Project Descriptions

IGL Low Impact Development Project **\$10,000**

Low Impact Development incorporates water quality protection into stormwater management. The LID Project will conduct monthly workshops over the course of a year to educate local officials on the water quality and community benefits of Low Impact Development. Leading practitioners of LID techniques will be brought in to train participants. Watershed assessment, land use planning, practice demonstrations, ordinance reviews/revisions, and new funding mechanisms for water quality protection will be beneficial outcomes of the LID project. This project was submitted by the Dickinson County Soil and Water Conservation District.

Clean Water Alliance Project **\$23,500**

The Clean Water Alliance works with 64 groups consisting of conservation groups, government agencies and policy makers to protect water quality. The Clean Water Alliance also works with the public to address concerns, answer questions and give advice to protect water quality in Dickinson County. The Clean Water Alliance is responsible for holding quarterly meetings in Iowa and Minnesota to ensure citizens are educated, informed, able to cooperate about projects affecting water quality. This request was submitted by Dickinson County Soil and Water Conservation District.

Demonstration Water Quality Parking Lot **\$45,000**

The Iowa Great Lakes Maritime Museum is planning to use 3 to 4 different methods to show how the public, municipalities and businesses can have hard surface parking lots and protect the water quality of our lakes. This site will be used as a demonstration by holding education days as the parking lot is being constructed and giving tours after construction. The project was submitted by the Iowa Great Lakes Maritime Museum.

Water Monitoring in Dickinson County **\$8,149**

CLAMP is a volunteer lake monitoring program started in 1999 by Iowa Lakeside Lab and Friends of Lakeside Lab. Volunteers collect water samples throughout the summer on nine lakes in Dickinson County, Iowa. The goal of CLAMP is to provide long term monitoring data for algae conditions and educate local citizens about lake ecology. This is a three-year project and was submitted by the Friends of Lakeside Lab.

Underground Tile Intakes **\$5,000**

Rock tile intakes remove surface intakes and lower them underground and cover them with rock. This practice will eliminate the amount of sediment and phosphorus entering the lakes by an average of 3 pounds of Phosphorous per intake. These practices will be cost shared at 50% up to 200 dollars maximum with the landowner. This project was submitted by the Dickinson County Soil and Water Conservation District.

IGL Watershed Protection **\$40,000**

This project will provide critical watershed protection through private lands efforts, permanent easements, or land acquisition within the Iowa Great Lakes Watershed. Projects were selected for permanent watershed protection and enhancement that benefits water quality by controlling erosion

and sediment. Other considerations for this project were waterfowl and other wildlife. This project was submitted by the Iowa DNR.

Implementation of Conservation in Jackson County **\$10,000**

In April of 2002, a technician position was established to work specifically with landowners and operators in the Jackson County portion of the Iowa Great Lakes Watershed. To date this Technician has been very successful at meeting with landowners, rallying support and finding good projects. The Technician has been successful at getting additional CRP signups in the watershed and has leads on many more worthwhile projects. The project was submitted by the Jackson County Soil and Water Conservation District.

Joint Naturalist Internship **\$3,700**

The naturalist internship program for Dickinson County Conservation Board and Friends of Lakeside Lab was the coordinator of the state-wide volunteer water quality program, IOWATER, for Dickinson and joined with Minnesota's Jackson County to collect data from Minnesota waterways and lakes that directly affect Iowa's water quality. The internship also conducted environmental educational programs for the Dickinson County Conservation Board and Friends of Lakeside Lab. This request was submitted by Friends of Lakeside Lab and Dickinson County Conservation Board jointly.

Water Resources Investigation **\$15,000**

This project is to investigate the source of groundwater recharge for West Okoboji Lake. The proposed investigation will determine the hydrologic budget for West Okoboji Lake by measuring inflow and outflow to the lake. These funds will pay for the first phase of this project. A second phase will follow in the future in which groundwater will be measured. This project was submitted by the Friends of Lakeside Lab and Milford Utilities jointly.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Four, Fiscal Year 2006 (2005- 2006)

2006 Water Quality Commissioners

Dickinson County

Wayne Northey

Darryl Halling

Mardi Allen

Arnolds Park

Ron Walker

Greg Drees

Lake Park

Ann Ditsworth

Milford

Bob Sewell

Mel Berryhill

Okoboji

Jane Shuttleworth

David Thoreson

Orleans

Carleton Mitchell

Spirit Lake

Pat Mc Norton

Bob Chosen

Superior

Everett Houge

Terril

Mark Benedict

Wahpeton

Brad Jones

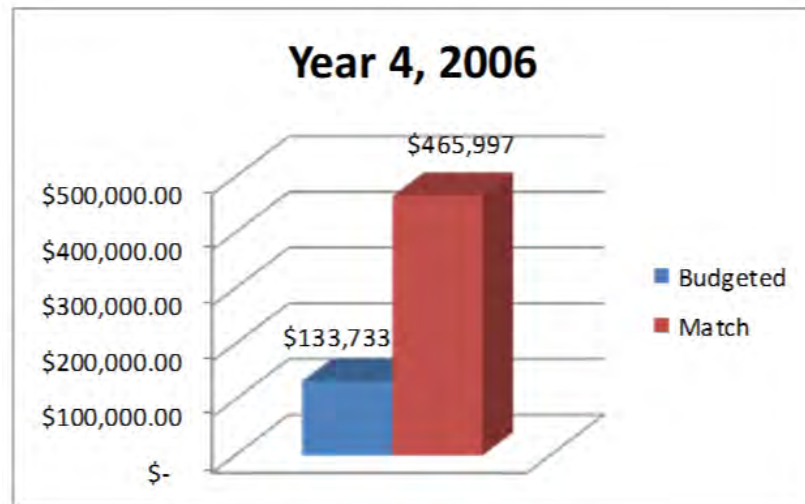
Tim Wilson

West Okoboji

Orville Berg

Projects	Requested	Budgeted
Naturalist Internship	\$7,325	\$7,325
319 Urban Demonstration Sites	\$52,175	\$52,175
Water Monitoring In Dickinson County	\$7,185	\$7,185
IGL Watershed LiDAR	\$38,000	\$38,000
Formation of Lake Protective Group for Silver Lake	\$1,250	\$1,250
Head of the Lake Restoration	\$3,445	\$3,445
Clean Water Alliance Project	\$24,352	\$24,352
East Okoboji Beach	\$34,000	\$0
Wahpeton Canals Protective Assoc	\$15,000	\$0
Lakes Area Water Trails	\$23.00	\$0
Totals	\$133,732	\$133,732

The fourth year the Water Quality Commission was entrusted with \$200,000 to budget for water quality projects. The Water Quality Commission received 10 project applications requesting funds for a total \$133,732. The Water Quality Commission funded 7 of the 10 projects for a total funding request of \$133,732. Total match for projects this year was \$465,997 so every local dollar was matched with \$2.4 dollars from outside sources.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Four, Fiscal Year 2006 Project Descriptions

Joint Naturalist Internship

\$7,325

The naturalist internship program for Dickinson County Conservation Board and Friends of Lakeside Lab was the coordinator of the state-wide volunteer water quality program, IOWATER, for Dickinson and joined with Minnesota's Jackson County to collect data from Minnesota waterways and lakes that directly affect Iowa's water quality. The internship also conducted environmental educational programs for the Dickinson County Conservation Board and Friends of Lakeside Lab. This request was submitted by Friends of Lakeside Lab and Dickinson County Conservation Board jointly.

319 Urban Demonstration Sites

\$52,175

This project will demonstrate infiltration-based storm water management practices that protect water quality. The practices will be installed in 2005 through 2006 as a follow up to the Low Impact Development Seminars that conclude in May 2005. The project will feature practices located in areas of urban non-point pollution and provide models that can guide future development. A monitoring program will be installed to quantify effectiveness of practices. This project was submitted by the Dickinson County Soil and Water Conservation District.

Water Monitoring In Dickinson County

\$7,185

The purpose of this proposal is to request funding support for the water quality monitoring program of nine lakes in Dickinson County through the Cooperative Lakes Area Monitoring Program (CLAMP). CLAMP is coordinated by Iowa Lakeside Laboratory and the Friends of Lakeside Lab Inc. The project was submitted by the Friends of Lakeside Lab.

IGL Watershed LiDAR

\$38,000

This project will fund LiDAR (Light Detection and Ranging) for the Iowa portion of the Iowa Great Lakes Watershed. LiDAR is a system that rapidly transmits pulses of light that reflect off the terrain and other objects like radar. The resulting reading is very dense network of elevation postings. LiDAR data has many uses, but in this case the data will be used to improve watershed modeling efforts, to direct protection efforts, and to provide the best data to guide protection efforts.

Formation of Lake Protective Group for Silver Lake

\$1,250

The goal of this project was the establishment of the Silver Lake Protective Association and the recruitment of members. This is a vital part in the protection of one of the lakes of Dickinson County. The project was submitted by Silver Lake Protective Association.

Head of the Lake Restoration

\$3,445

In this first phase of a multi-phase project the residents of Triboji Beach hope to show that native plants can become a beautiful and functional part of a lakeshore. The Triboji Beach Betterment Association seeks to create an ecologically friendly alternative for turf grass seeding along the lakeshore. Upon establishment of the prairie grasses and flower it is the hopes of the Association that perceptions of native landscaping will be changed in the lakes area and other projects will follow suit. The project was submitted by the Triboji Beach Betterment Association.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Five, Fiscal Year 2007 (2006- 2007)

2007 Water Quality Commissioners

Dickinson County

Wayne Northey

Darryl Halling

Mardi Allen

Arnolds Park

Ron Walker

Greg Drees

Lake Park

Ann Ditsworth

Milford

Bob Sewell

Mel Berryhill

Okoboji

Jane Shuttleworth

David Thoreson

Orleans

Carleton Mitchell

Spirit Lake

Pat Mc Norton

Bob Chosen

Superior

Everett Houge

Terril

Mark Benedict

Wahpeton

Brad Jones

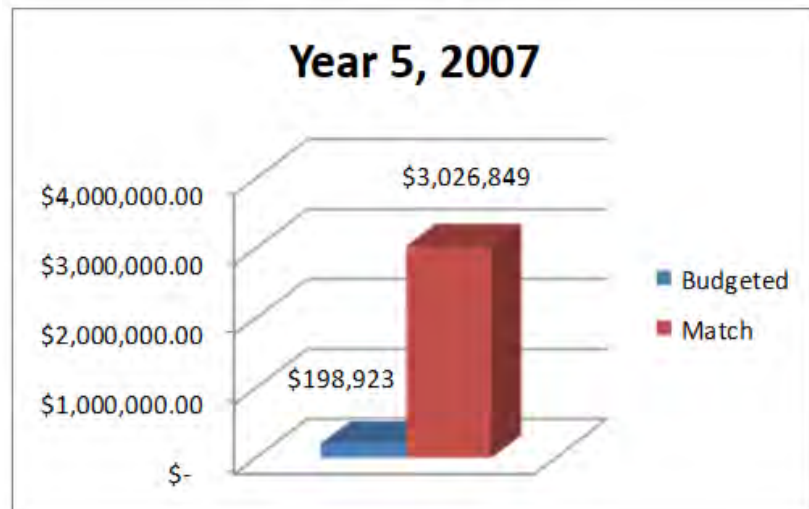
Tim Wilson

West Okoboji

Orville Berg

Projects	Requested	Budgeted
Naturalist Internship	\$9,000.00	\$7,425.00
Yarnes Acquisition	\$100,000.00	\$82,500.00
IGL Watershed Management Plan	\$46,667.00	\$38,500.00
Center Drive Neighborhood Drainage	\$25,016.00	\$20,638.00
Commercial District Storm Drainage	\$30,918.00	\$25,508.00
Clean Water Alliance Project	\$24,352.00	\$24,352.00
Head of the Lake Phase II	\$4,500	\$0
11th Street Bio-Cell	\$32,000	\$0
IGL Water Monitoring	\$5,000	\$0
East Okoboji Beach LID	\$32,000	\$0
Totals	\$235,953.00	\$198,923.00

The fifth year the Water Quality Commission was entrusted with \$200,000 to budget for water quality projects. The Water Quality Commission received 9 project applications requesting funds for a total \$379,000. The Water Quality Commission funded just under \$200,000. Six projects were funded this year out of the 9 submitted. Total match to projects for this year was \$3,026,849 so every local dollar was matched with \$15 dollars from outside sources.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Five, Fiscal Year 2007 Project Descriptions

Naturalist Internship

\$7,425

The naturalist internship program for Dickinson County Conservation Board and Friends of Lakeside Lab was the coordinator of the state-wide volunteer water quality program, IOWATER, for Dickinson and joined with Minnesota's Jackson County to collect data from Minnesota waterways and lakes that directly affect Iowa's water quality. The internship also conducted environmental educational programs for the Dickinson County Conservation Board and Friends of Lakeside Lab. This request was submitted by Friends of Lakeside Lab and Dickinson County Conservation Board jointly.

Yarnes Acquisition

\$82,500

This project is to purchase property from Don and Nancy Yarnes to protect the natural stand of bulrushes on Big Spirit Lake, buffer Hales Slough from development, restore native prairie and wetlands. Over 2,000 pounds of Phosphorous will be stopped from reaching the lake, each year because of this project. This request was submitted by the Iowa Natural Heritage Foundation.

IGL Watershed Assessment and Management Plan

\$38,500

To create an assessment of the current water and watershed of the condition of the Iowa Great Lakes, DNR, DSC and NRCS personnel protect water resources from urban and agricultural pollution. The assessment will allow us to promote sound farming practices, smart urban and rural community development, and enhance fish and wildlife habitat. It will do all this in an environmentally friendly manner that does not compromise the integrity or livelihood of agricultural producers in the watershed of the Iowa Great Lakes. This request was submitted by the Dickinson County Soil and Water Conservation District

Center Drive Neighborhood Drainage

\$20,638

This proposal to reconstruct a storm sewer that drains to Big Spirit Lake with environmental enhancements. Included in the plan is to install debris and oil collectors. The debris and oil collectors will capture and retain sediment, oil and other pollutants keeping them from reaching the lake. This request was submitted by the Spirit Lake Protective Association.

Commercial District Storm Drainage

\$25,508

A storm water retention basin is to be constructed on a Wetland Reserve Program project being constructed through the Natural Resources Conservation Service. The project will hold rain and snow water drainage that is currently entering the storm sewer system of Orleans and then flowing to Big Spirit Lake. This will be a joint project with permission granted from NRCS and the landowner. This request was submitted by the Spirit Lake Protective Association.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Six, Fiscal Year 2008 (2007- 2008)

2008 Water Quality Commissioners

Dickinson County

Wayne Northey

Darryl Halling

Mardi Allen

Arnolds Park

Ron Walker

Greg Drees

Lake Park

Herb Stewart

Milford

Bob Sewell

Mel Berryhill

Okoboji

Jane Shuttleworth

Sue Larson

Orleans

Carleton Mitchell

Spirit Lake

Pat Mc Norton

Clyde Ihrke

Superior

Everett Houge

Terril

Mark Benedict

Wahpeton

Brad Jones

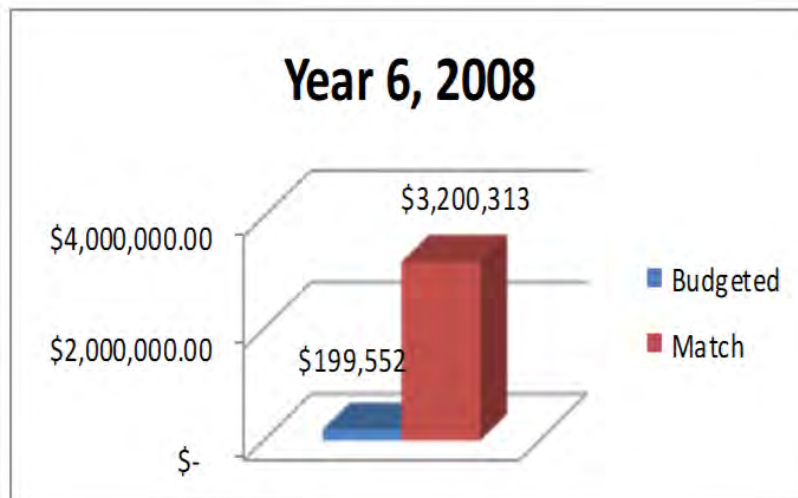
Tim Wilson

West Okoboji

Marcia Peterson

Applicant	Requested	Budgeted
Naturalist Internship	\$5,100.00	\$5,100.00
Yarnes Acquisition	\$100,000.00	\$100,000.00
Dickinson SWCD	\$10,000	\$10,000
Dickinson SWCD, Assessment	\$45,000.00	\$45,000.00
Clean Water Alliance Project	\$24,352.00	\$24,352.00
Wahpeton Storm Water Management	\$35,000	\$15,500
Monitoring the Health of Dickinson County Lakes	\$10,000	\$0
Boat Ramp Kiosks	\$5,000	\$0
Okoboji Grove Rain Gardens	\$12,000	\$0
OPA Membership Drive	\$5,000	\$0
Totals	\$219,452.00	\$199,552.00

The sixth year the Water Quality Commission was entrusted with \$200,000 to budget for water quality projects. The Water Quality Commission received 9 project applications requesting funds for a total of \$219,452. The Water Quality Commission obligated just under \$200,000 for projects. Total match to projects for this year was \$3,200,313 so every local dollar was matched with \$16 dollars from outside sources.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Six, Fiscal Year 2008 Project Descriptions

Joint Naturalist Internship

\$15,100

The naturalist internship program for Dickinson County Conservation Board and Friends of Lakeside Lab was the coordinator of the state-wide volunteer water quality program, IOWATER, for Dickinson and joined with Minnesota's Jackson County to collect data from Minnesota waterways and lakes that directly affect Iowa's water quality. The internship also conducted environmental educational programs for the Dickinson County Conservation Board and Friends of Lakeside Lab. This request was submitted by Friends of Lakeside Lab and Dickinson County Conservation Board jointly.

Anglers Bay Project

\$100,000

The Anglers Bay project preserves 3,500 feet of natural shoreline on the east side of Big Spirit Lake - including the largest stand of bulrushes remaining in the Iowa Great Lakes. The project also restores four wetlands and extensive prairie habitat on 93 acres adjoining the shoreline and Hales Slough public wildlife area. A portion of the Dickinson County Trail System will traverse the property. All will be owned and managed by the Iowa Department of Natural Resources after funds are raised. This request was submitted by the Iowa Natural Heritage Foundation.

IGL Watershed Assessment and Management Plan

\$45,000

To create an assessment of the current water and watershed of the condition of the Iowa Great Lakes, DNR, DSC and NRCS personnel protect water resources from urban and agricultural pollution. The assessment will allow us to promote sound farming practices, smart urban and rural community development, and enhance fish and wildlife habitat. It will do all this in an environmentally friendly manner that does not compromise the integrity or livelihood of agricultural producers in the watershed of the Iowa Great Lakes. This request was submitted by the Dickinson County Soil and Water Conservation District

Silver Lake Watershed Assessment

\$10,000

The Silver Lake Watershed Assessment will include water monitoring, investigate the land use, soil loss models, update potential conservation practices and determine the effectiveness of conservation practices through soil loss models. The goal of this project is to write an EPA 319 grant to begin the treatment of this watershed. This request was submitted by the Dickinson County Soil and Water Conservation District.

Wahpeton Storm Water Management

\$5,100

The project was written to accomplish 4 goals. Those goals were to: 1) Establish three rain gardens and bio-swale in the City Park to reduce nutrient and sediment pollutants from agricultural runoff; 2) To establish erosion control on a steep grade and infiltrate runoff into a rain garden at the water plant; 3) To create access to the water plant for heavy equipment using permeable pavers to allow further water infiltration; and 4) To post signs and hand out pamphlets about rain garden options. This request was submitted by the Okoboji Protective Association.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Seven, Fiscal Year 2009 (2008- 2009)

2009 Water Quality Commissioners

Dickinson County

Wayne Northey
Darryl Halling
Mardi Allen

Arnolds Park

Ron Walker
Greg Drees

Lake Park

Herb Stewart

Milford

Bob Sewell
Mel Berryhill

Okoboji

Jane Shuttleworth
Sue Larson

Orleans

Carleton Mitchell

Spirit Lake

Pat Mc Norton
Clyde Ihrke

Superior

Everett Houge

Terril

Unfilled

Wapheton

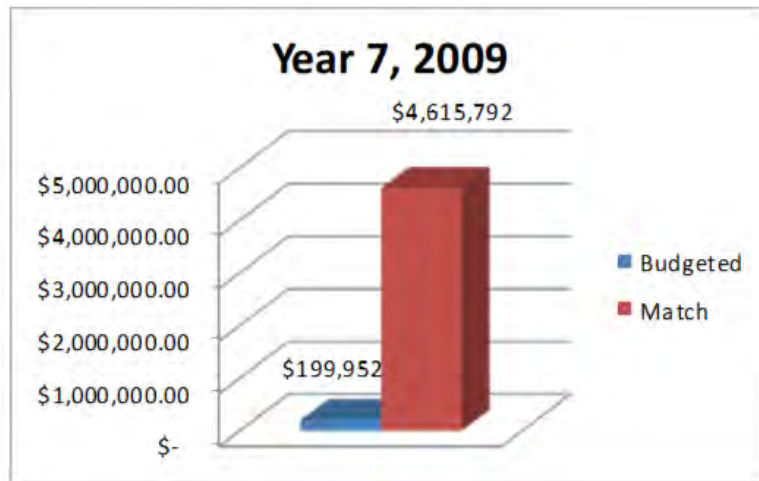
Brad Jones
Jim Keck

West Okoboji

Marcia Peterson

Applicant	Requested	Budgeted
Iowa DNR	\$100,000	\$100,000
Dickinson Soil and Water Conservation District	\$55,000	\$55,000
East Okoboji Beach Homeowners Association	\$15,600	\$15,600
Clean Water Alliance	\$29,352	\$29,352
Historic Arnolds Park	\$3,200	\$0
Pearson Lakes Art Center	\$25,000	\$0
Spirit Lake High School	\$60,366	\$0
Totals	\$288,518	\$199,952

The seventh year the Water Quality Commission was entrusted with \$199,952 to budget for water quality projects. The Water Quality Commission received 6 project applications for a total of \$288,518. The Water Quality Commission obligated \$199,952 for projects. The total match to projects for this year was \$4,615,792 so every local dollar was matched with \$23 dollars from outside sources.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Seven, Fiscal Year 2009 Project Descriptions

Iowa Great Lakes Watershed Protection Project **\$100,000**

This project will provide critical watershed protection through private lands efforts, permanent easements, or land acquisition within the Iowa Great Lakes Watershed. Projects will be selected for permanent watershed protection that will benefit water quality, erosion prevention, sediment control, waterfowl production, and other wildlife. This request was submitted by the Iowa Department of Natural Resources.

IGL Watershed Management Plan Implementation **\$55,000**

This application will support the urban conservation practices set by the Iowa Great Lakes Watershed Management Plan. This request is to assist with the urban components of the plan. Staffing and agricultural components of the plan will be funded through the Iowa Department of Agriculture and Land Stewardship and 319 Clean Water funding. This application is being submitted prior to the completion of the plan to fit in with the 319-funding cycle. This application was submitted by the Dickinson County Soil and Water Conservation District. The proposed match for this project is \$550,000.

East Okoboji Beach Drainage & Roadway Construction **\$15,600**

The funding for this project was used to complete a portion of a much larger project located on the East Okoboji Beach Subdivision. The requested funding was used to complete a drainage study that will be used to retrofit LID practices, lake friendly storm water drainage, and roadway construction on an existing sub-division. This is a cooperative project between the Iowa DNR, Dickinson County, and the East Okoboji Beach homeowners. The total projected cost for this project will be 2.9 million dollars. The request for this funding came from the East Okoboji Beach Homeowners Association.

Clean Water Alliance **\$29,352**

This project is for the salary of the Clean Water Alliance Coordinator. The coordinator is employed by the Dickinson Soil and Water Conservation District. Through an agreement the Dickinson Soil and Water Conservation District agrees to provide support and assistance to the Dickinson Water Quality Commission. This request was submitted by the Dickinson County Soil and Water Conservation District.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Eight, Fiscal Year 2010 (2009- 2010)

2010 Water Quality Commissioners

Dickinson County

Wayne Northey

Darryl Halling

Mardi Allen

Arnolds Park

Ron Walker

Greg Drees

Lake Park

Herb Stewart

Milford

Bob Sewell

Mel Berryhill

Okoboji

Jane Shuttleworth

Sue Larson

Orleans

Carleton Mitchell

Spirit Lake

Pat Mc Norton

Clyde Ihrke

Superior

Everett Houge

Terril

Tim Terril

Wapheton

Brad Jones

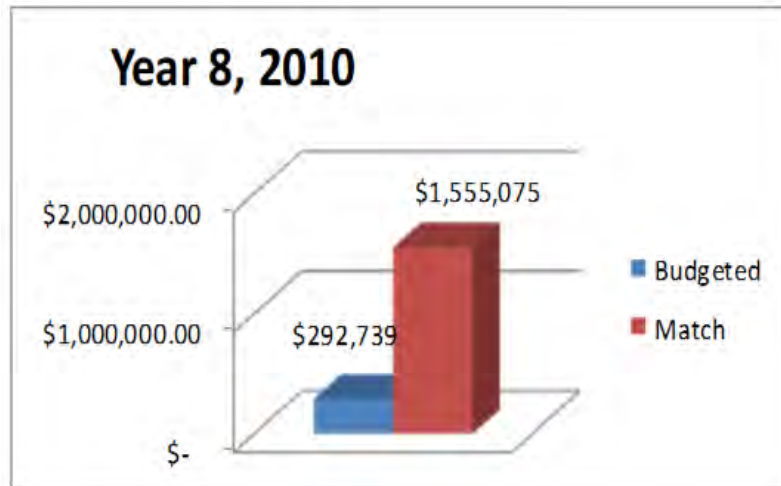
Jim Keck

West Okoboji

Paul Sieh

Applicant	Requested	Budgeted
East Lake Okoboji Improvement Corporation	\$14,907	\$14,907
East Okoboji Beach Homeowners Association	\$51,200	\$51,200
Iowa Department Of Natural Resources	\$100,000	\$100,000
Center Lake Improvement and Protective Association	\$15,000	\$15,000
Dickinson Soil and Water Conservation District	\$50,000	\$50,000
Dickinson Soil and Water Conservation District	\$33,000	\$28,000
Dickinson County Conservation Board	\$4,280	\$4,280
Clean Water Alliance	\$29,352	\$29,352
Totals	\$297,739	292,739

The eighth year the Water Quality Commission was presented with \$297,739 of requests from 7 applicants. The Water Quality Commission obligated \$292,739. Total match to projects for this year was \$1.5 million, so every local dollar was matched with \$5.20 dollars from outside sources.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Eight, Fiscal Year 2010 Project Descriptions

East Lake Okoboji Improvement Corporation

\$14,907

This project's goal is to purchase monitoring equipment that will be used to collect and analyze stormwater samples before, during, and after construction of the East Okoboji Beach Subdivision, road construction and Low Impact Development (LID) Project. This project was needed to evaluate the success of the installation of these LID Practices. The grant and matching dollars were used to purchase sampling equipment that will be used to take the samples. The sampling showed Low Impact Development practices reduced pollution to the lake by 90%.

East Okoboji Beach Homeowners Association

\$51,200

This project located on a 90-acre sub-division in the East Okoboji Beach subdivision is for a drainage and road construction project. This will be Dickinson Counties first project where Low Impact Development (LID) practices are built throughout the entire subdivision in a strategic manner. This cooperative project between the East Lake Okoboji Improvement Corporation, Dickinson Soil and Water Conservation District, Water Quality Commission, the County government of Dickinson County, and East Okoboji Beach homeowners promotes responsible and smart development using LID Practices to reduce nutrients and sediments from flowing directly into East Okoboji. This project resulted in 113 bio-swales, 13 rain gardens, 1 bio-cell, and 3 lots purchased to protect existing wetlands. It is estimated that 274 pounds of Phosphorus was prevented from reaching East Okoboji each year due to this project.

Iowa Department of Natural Resources

\$100,000

This Project provided critical watershed protection through permanent easements or land acquisition within the Silver Lake and Iowa Great Lakes watersheds. Projects were selected for permanent protection that benefited water quality, prevents erosion, and enhances wildlife benefits. This project resulted in 310 acres of land being acquired in the Okoboji View Resource Management Area of West Okoboji and over 3,000 pounds of phosphorus is being blocked from reaching the lake each year.

Center Lake Improvement and Protective Association

\$15,000

The results of this project helped to improve the and establish a more appropriate lake crest elevation for Center Lake. This project will assist with the construction of an appropriate outlet for Center Lake. This will be part of a lake restoration; long range plan where shallow lake restoration would be possible.

Dickinson Soil and Water Conservation District

\$50,000

This project is to provide cost share dollars for the construction of rain gardens and Low Impact Development (LID) practices around the lakes of Dickinson County. There was a priority area around Center Lake and Silver Lake for the first 6 months of this project. No applicants applied for funds during the priority period. This project resulted in 29 LID Practices being built in the Iowa Great Lakes and one Bio-cell in the Silver Lake Watershed. It is estimated 129 pounds of phosphorus is prevented from reaching the lakes due to this project each year.

DICKINSON COUNTY WATER QUALITY COMMISSION

Dickinson Soil and Water Conservation District

\$28,000

The goal of this project was to restore lakeshores with native vegetation on the shores of six different sites in the county to prevent shoreline erosion. The intent is to re-establish emergent and submergent aquatic vegetation on demonstration sites using specific and proven restoration techniques. The goals of this project were three-fold: First, this project was to identify requirements from the Corps of Engineers in permitting these projects, Second, this project identified the best process for restoration of shoreline in our natural lakes, and thirdly, to protect areas with the best type of vegetation. It is estimated this project will remove 113 pounds of Phosphorus each year from pollution our lakes.

Dickinson County Conservation Board, Intern

\$4,280

The goal of this project was to provide environmental education, presentations to the public and educational institutions and someone to coordinate the volunteer monitoring program for Dickinson County IOWATER sites. The intern partnered with other environmental groups to participate in educational opportunities and activities that improve, protect, and enhance the quality of water in the county.

Clean Water Alliance

\$29,352

This project is for the salary of the Clean Water Alliance Coordinator. The coordinator is employed by the Dickinson Soil and Water Conservation District. Through an agreement the Dickinson Soil and Water Conservation District agrees to provide support and assistance to the Dickinson Water Quality Commission. This request was submitted by the Dickinson County Soil and Water Conservation District.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Nine, Fiscal Year 2011 (2010- 2011)

2011 Water Quality Commissioners

Dickinson County

Bill Leupold
Darryl Halling

Mardi Allen

Arnolds Park

Ron Walker
Greg Drees

Lake Park

Herb Stewart

Milford

Bob Sewell
Mel Berryhill

Okoboji

Jane Shuttleworth
Sue Larson

Orleans

Carleton Mitchell

Spirit Lake

Pat Mc Norton
Clyde Ihrke

Superior

Everett Houge

Terril

Tim Terril

Wahpeton

Brad Jones
Jim Keck

West Okoboji

Paul Sieh

Applicant	Requested	Budgeted
Iowa Natural Heritage Foundation	\$100,000	75,500
East Lake Okoboji Improvement Association	\$33,000	\$33,000
Ducks Unlimited	\$30,000	\$30,000
Okoboji Protective Association	\$17,469	\$17,469
Iowa Geological Survey Bureau	\$11,635	\$11,152
Silver Lake Park Improvement Association	\$3,000	\$3,000
Conservation Foundation of Dickinson County	\$5,100	\$0
Dickinson County Conservation Board	\$4,280	\$0
Clean Water Alliance	\$29,352	\$29,352
Totals	\$233,836	\$199,456

The Dickinson County Water Quality Commission awarded nearly two hundred thousand dollars towards water quality projects to be completed in Dickinson County and its watersheds. These local funds will be matched against state and federal grants to provide water quality monitoring, education, coordination, best management practices, and watershed protection in the watersheds of Dickinson County.

This is the 9th year the Commission has been providing matching grant money for worthy projects in the watersheds of Dickinson County. Traditionally the commission has not had enough money to provide for the number and dollar amount of applicants and this year was no exception, with over \$233,836 dollars in grant requests. The grants that were accepted also brought in \$974,921 dollars in matching funds. That amount of dollars spent versus the amount of matching dollars is 5.7 of matching funds for every one dollar spent by the Commission.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Nine, Fiscal Year 2011 Project Descriptions

Iowa Natural Heritage Foundation

\$75,000

This grant included the acquisition and permanent protection of land within the watershed of The Iowa Great Lakes with priority being given to a parcel that is currently for sale near the Okoboji View Golf Course. This project assisted in the purchase of 119 acres of land directly and the additional purchase of 231 acres indirectly as part of this project. In addition, 23 wetlands totaling over 50 acres of water was restored along with a native prairie with over 80 different species of native plants.

East Lake Okoboji Improvement Corporation

\$33,000

This project included the installation of bio-cells and various plantings on the east end of 9th Street as the primary storm water control before the water enters East Okoboji Lake, as well as restoration of the shoreline in the vicinity of the City of Spirit Lake's right-of-way. The existing storm sewer was not adequate to address water quantity and quality. Before this project, any significant rainfall overflowed the existing system and eroded the lake shore.

Ducks Unlimited

\$30,000

The East and West Hottes and Marble Lakes watershed represents 19 percent of the total watershed for Big Spirit Lake. The health of these lakes has declined significantly over the years due to decreased water quality in runoff reaching the lakes and invasive fish. The goal of this project is to complete a comprehensive engineering plan that will aid managers to conduct a future restoration using proven shallow lake restoration techniques. The final phase of this project would not have been possible except for this grant is to conduct a shallow lake restoration of West Hottes and Marble Lakes by lowering the level of these lakes for a year to simulate drought conditions.

Okoboji Protective Association

\$17,469

The Iowa Great Lakes are threatened by invasive species and the goal of this project was to raise the awareness of the public about the hazards of invasive species and stop the spread of these species to our lakes.

Iowa Department of Natural Resources, Geological Survey Bureau

\$11,152

This is the first phase to determine the hydrologic budget for West Okoboji Lake. This project has as a goal to install long-term gages to monitor ground water flow, the input of nutrients from groundwater, and the production of a detailed geological map of the Iowa Great Lakes Region.

Silver Lake Park Improvement Association

\$3,000

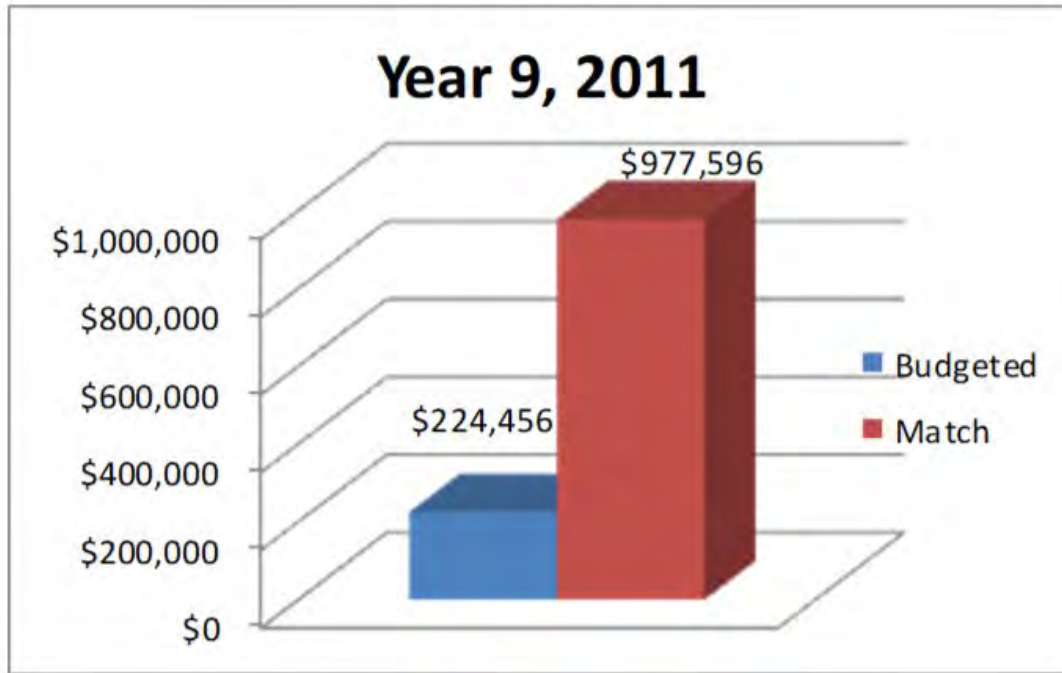
This project has the goal of providing data about water quality issues and where those issues are within the Silver Lake Watershed. The sampling has been underway for three years, at this point, and much valuable data has been discovered. The data from this project is to be used to supplement past data and give an understanding of where significant problems occur in the Silver Lake Watershed. In addition, once a baseline of data is established any future improvement practice should show improvement in the watershed monitoring as well.

DICKINSON COUNTY WATER QUALITY COMMISSION

Dickinson County Clean Water Alliance

\$29,352

This project is for the salary of the Clean Water Alliance Coordinator. The coordinator is employed by the Dickinson Soil and Water Conservation District. Through an agreement the Dickinson Soil and Water Conservation District agrees to provide support and assistance to the Dickinson Water Quality Commission. This request was submitted by the Dickinson County Soil and Water Conservation District



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Ten, Fiscal Year 2012 (2011- 2012)

2012 Water Quality Commissioners

Dickinson County

Bill Leupold
Darryl Halling
Mardi Allen

Arnolds Park

Ron Walker
Greg Drees

Lake Park

Herb Stewart

Milford

Bob Sewell
Mel Berryhill

Okoboji

Jane Shuttleworth
Sue Larson

Orleans

Carleton Mitchell

Spirit Lake

Pat Mc Norton
Clyde Ihrke

Superior

Everett Houge

Terril

Tim Terril

Wahpeton

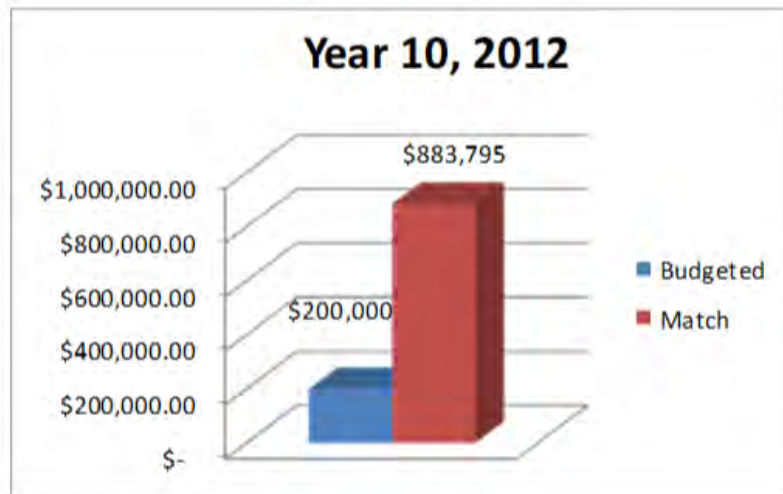
Brad Jones
Jim Keck

West Okoboji

Paul Sieh

Applicant	Requested	Budgeted
Iowa Natural Heritage Foundation	\$100,000	\$100,000
Dickinson SWCD	\$16,000	\$16,000
Okoboji Protective Association	\$19,120	\$19,120
Silver Lake Park Improvement Association	\$3,000	\$3,000
Arthur Heights Homeowner Association	\$49,389	\$32,528
Clean Water Alliance	\$29,352	\$29,352
Historic Arnolds Park Incorporated	\$50,000	\$0
East Okoboji Lakes Improvement Association	\$34,000	\$0
Center Grove Township Trustees	\$50,000	\$0
Totals	\$316,861	\$200,000

The tenth year the Water Quality Commission had a total of \$316,861 of requests from 9 applicants. The Water Quality Commission obligated \$200,000 towards seven of the nine projects. The total match to projects for this year was \$883,795 which means that 4.4 dollars was matched for every one dollar of Commission money.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Ten, Fiscal Year 2012 Project Descriptions

Iowa Natural Heritage Foundation

\$100,000

To reduce sedimentation from a top-priority sub-watershed into West Lake Okoboji, and to reduce future flood impacts at a site where major flooding occurred in Summer 2011, INHF and IDNR propose to: 1) complete the restoration of wetlands and natural vegetation at the Peace Properties and Chapman-Sebby sites that were recently acquired with DCQWC assistance, plus 2) purchase conservation easements and begin restoration of three former wetland basins on the Okoboji View Golf Course.

Dickinson County Lakes Protection

\$16,000

To conduct rural and urban landowner meetings to explain the benefits of conservation and to provide technical assistance to those landowners in the future. The landowner meetings will be used to introduce landowners to conservation programs (both urban and farmland) and to contact those landowners to begin to build a relationship and progress the conservation mentality. In addition, an intensive water sampling and education program will be conducted.

Okoboji Protective Association

\$19,120

The Iowa Great Lakes is threatened by Aquatic Invasive Species (primarily Eurasian watermilfoil and zebra mussels). Once lakes of our size are infested there is no known way to remove these invasive plants and mussels. The best method to protect our lakes is to prevent an infestation. Our plan is to educate people to be sure their boats have been drained and cleaned before being launched in the Iowa Great Lakes.

Silver Lake Park Improvement Association

\$3,000

This project has the goal of providing data about water quality issues and where those issues are within the Silver Lake Watershed. The sampling has been underway for three years, at this point, and much valuable data has been discovered. The data from this project is to be used to supplement past data and give an understanding of where significant problems occur in the Silver Lake Watershed. In addition, once a baseline of data is established any future improvement practice should show improvement in the watershed monitoring as well.

Arthur Heights Homeowners Association

\$32,528

Arthur Heights is a small sub-division on the East side of East Okoboji with large gullies and steep paved roads. The Association desired to improve the drainage and incorporate low impact development with their improved drainage project. The project stopped approximately 60 pounds of phosphorous each year that would have reached the lake.

Clean Water Alliance

\$29,352

This project is for the salary of the Clean Water Alliance Coordinator. The coordinator is employed by the Dickinson Soil and Water Conservation District. Through an agreement the Dickinson Soil and Water Conservation District agrees to provide support and assistance to the Dickinson Water Quality Commission. This request was submitted by the Dickinson County Soil and Water Conservation District.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Eleven, Fiscal Year 2013 (2012- 2013)

2013 Water Quality Commissioners

Dickinson County

Bill Leupold
Darryl Halling

Mardi Allen

Arnolds Park

Ron Walker
Greg Drees

Lake Park

Herb Stewart

Milford

Eric Stoll
Mel Berryhill

Okoboji

Jane Shuttleworth
Jerry Robinson

Orleans

Carleton Mitchell

Spirit Lake

Doug Zemler
Clyde Ihrke

Superior

Everett Houge

Terril

Mayor of Terril

Wahpeton

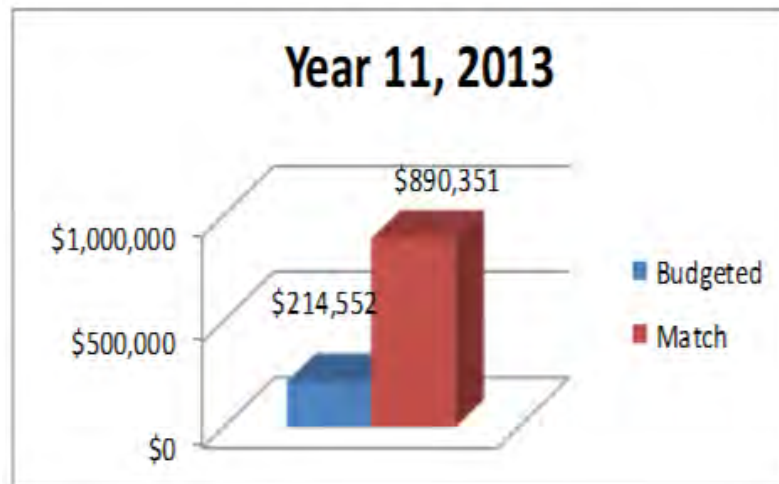
Brad Jones
Jim Keck

West Okoboji

Paul Sieh

Applicant	Requested	Budgeted
Dickinson SWCD, Center Lake, LID	\$50,000	\$50,000
Okoboji Protective Association	\$19,000	\$19,000
Echo Beach Park Dock Owner's Association	\$100,000	\$100,000
Spirit Lake Protective Association	\$16,200	\$16,200
Clean Water Alliance	\$29,352	\$29,352
Silver Lake Park Improvement Association	\$3,000	\$0
East Lake Okoboji Improvement Association	\$8,732	\$0
Totals	\$223,284	\$214,552

This is the eleventh year the Commission has been providing matching grant money for worthy projects in the watersheds of Dickinson County. Traditionally the commission has not had enough money to provide for the number and dollar amount of applicants and this year was no exception, with over \$223,284 dollars in grant requests. The grants that were accepted also brought in \$890,351 dollars in matching funds. That amount of dollars spent versus the amount of matching dollars is 4.14 of matching funds for every one dollar spent by the Commission. The Commission granted excess funds from projects that were not complete to ensure that one more project was able to be funded this year.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Eleven, Fiscal Year 2013 Project Descriptions

Dickinson Soil and Water Conservation District

\$50,000

This application will treat a full one third of the physical portion of the resource concern within the Center Lake RMA and remove 67 pounds of phosphorous from entering the lake annually. This project will focus on the construction of 7 LID Practices for the Center Lake RMA. This project will mesh with the existing Iowa Great Lakes Watershed Management Plan because it will remove pollutants from Center Lake, which enters West Okoboji.

Okoboji Protective Association

\$19,000

The Iowa Great Lakes is threatened by Aquatic Invasive Species (primarily Eurasian watermilfoil and zebra mussels). Our plan for this grant funding is to hire four environmental science college students to educate boaters to be sure their boats have been drained and cleaned before being launched. By being proactive in protecting our lakes we expect to delay and/or minimize the impact AIS will have to our lakes.

Echo Beach Park Dock Owner's Association

\$100,000

The project involves Low Impact Development and Drainage Improvements in five locations that are currently experiencing severe erosion problems within the City of Okoboji. The locations are west of Lakeshore Drive at the intersections with Echo Bay Avenue, Hollingsworth Street, Park View Avenue, Tarzan Street, and between Echo Bay/Omaha Beach. The projects involve a combination of bio-retention cells and overflow storm sewer to stop erosion on existing drainage-ways.

Spirit Lake Protective Association

\$16,200

The SLPA is requesting \$16,200 to install a storm water bio-retention pond in Jones Pasture to capture run-off, filter pollutants and conduct cleaned water to Big Spirit Lake. 17 tons of sediment is estimated delivered from this area to Spirit Lake per every 2" rain event. There has been related research of the effects of retention ponds in the State, demonstrating 40% to 70% reduction in pollutants carrying into the waters after the pond construction.

Clean Water Alliance

\$29,352

This project is for the salary of the Clean Water Alliance Coordinator. The coordinator is employed by the Dickinson Soil and Water Conservation District. Through an agreement the Dickinson Soil and Water Conservation District agrees to provide support and assistance to the Dickinson Water Quality Commission. This request was submitted by the Dickinson County Soil and Water Conservation District.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Twelve, Fiscal Year 2014 (2013- 2014)

2014 Water Quality Commissioners

Dickinson County

Bill Leupold
Darryl Halling

Mardi Allen

Arnolds Park

Ron Walker
Greg Drees

Lake Park

Herb Stewart

Milford

Eric Stoll
Mel Berryhill

Okoboji

Jane Shuttleworth
Jerry Robinson

Orleans

Carleton Mitchell

Spirit Lake

Doug Zemler
Clyde Ihrke

Superior

Terry Buchman

Terril

Darrell Woods Jr.

Wahpeton

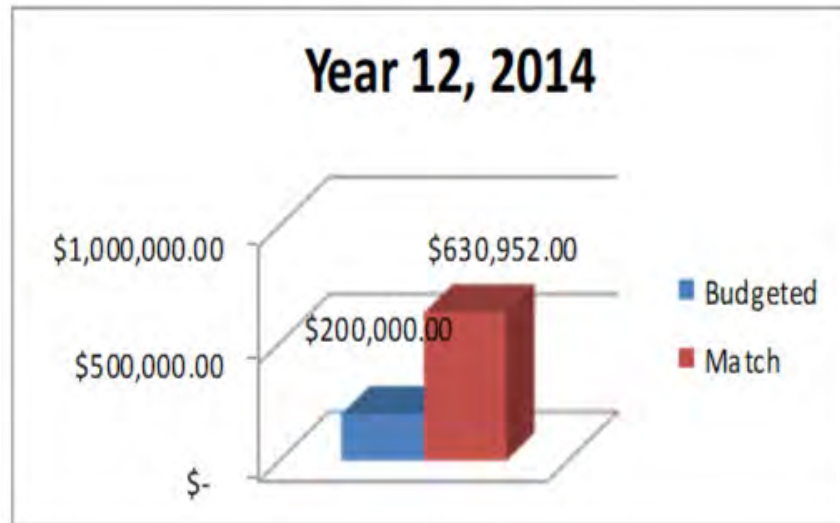
Brad Jones
Jim Keck

West Okoboji

Mike Paxton

Applicant	Requested	Budgeted
Okoboji Protective Association	\$20,000	\$20,000
Team Wave	\$43,000	\$43,000
Iowa Natural Heritage Foundation	\$100,000	\$100,000
East Lake Okoboji Improvement Corporation	\$37,500	\$7,648
Clean Water Alliance	\$29,352	\$29,352
Silver Lake Park Improvement Association	\$3,000	\$0
Okoboji Camp Owners Cooperative	\$21,000	\$0
Totals	\$258,852	\$200,000

In the twelfth year of the Commission there was \$200,000 dollars entrusted for worthy projects in the watersheds of Dickinson County. Traditionally the commission has not had enough money to provide for the number and dollar amount of applicants and this year was no exception, with over \$258,852 dollars in grant requests. The grants that were accepted also brought in \$630,952 dollars in matching funds. That amount of dollars spent versus the amount of matching dollars is 3.15 of matching funds for every one dollar spent by the Commission.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Twelve, Fiscal Year 2014 Project Descriptions

Dickinson Soil and Water Conservation District

\$50,000

This application will treat a full one third of the physical portion of the resource concern within the Center Lake RMA and remove 67 pounds of phosphorous from entering the lake annually. This project will focus on the construction of 7 LID Practices for the Center Lake RMA. This project will mesh with the existing Iowa Great Lakes Watershed Management Plan because it will remove pollutants from Center Lake, which enters West Okoboji.

Okoboji Protective Association

\$19,000

The Iowa Great Lakes is threatened by Aquatic Invasive Species (primarily Eurasian watermilfoil and zebra mussels). Our plan for this grant funding is to hire four environmental science college students to educate boaters to be sure their boats have been drained and cleaned before being launched. By being proactive in protecting our lakes we expect to delay and/or minimize the impact AIS will have to our lakes.

Echo Beach Park Dock Owner's Association

\$100,000

The project involves Low Impact Development and Drainage Improvements in five locations that are currently experiencing severe erosion problems within the City of Okoboji. The locations are west of Lakeshore Drive at the intersections with Echo Bay Avenue, Hollingsworth Street, Park View Avenue, Tarzan Street, and between Echo Bay/Omaha Beach. The projects involve a combination of bio-retention cells and overflow storm sewer to stop erosion on existing drainage-ways.

Spirit Lake Protective Association

\$16,200

The SLPA is requesting \$16,200 to install a storm water bio-retention pond in Jones Pasture to capture run-off, filter pollutants and conduct cleaned water to Big Spirit Lake. 17 tons of sediment is estimated delivered from this area to Spirit Lake per every 2" rain event. There has been related research of the effects of retention ponds in the State, demonstrating 40% to 70% reduction in pollutants carrying into the waters after the pond construction.

Clean Water Alliance

\$29,352

This project is for the salary of the Clean Water Alliance Coordinator. The coordinator is employed by the Dickinson Soil and Water Conservation District. Through an agreement the Dickinson Soil and Water Conservation District agrees to provide support and assistance to the Dickinson Water Quality Commission. This request was submitted by the Dickinson County Soil and Water Conservation District.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Thirteen, Fiscal Year 2015 (2014- 2015)

2015 Water Quality Commissioners

Dickinson County

Bill Leupold
Darryl Halling

Mardi Allen

Arnolds Park

Ron Walker
Greg Drees

Lake Park

Herb Stewart

Milford

Eric Stoll
Mel Berryhill

Okoboji

Jane Shuttleworth
Jerry Robinson

Orleans

Carleton Mitchell

Spirit Lake

Doug Zemler
Clyde Ihrke

Superior

Everett Houge

Terril

Darrell Woods Jr.

Wapheton

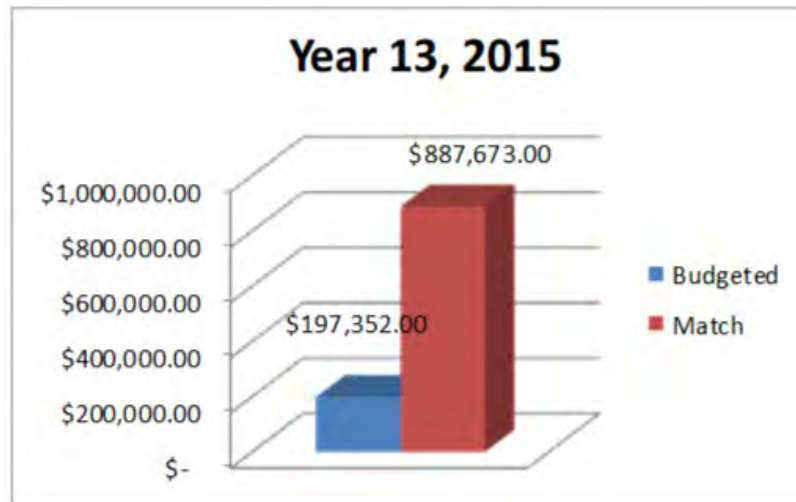
Brad Jones
Jim Keck

West Okoboji

Mike Paxton

Applicant	Requested	Budgeted
Okoboji Protective Association	\$20,000	\$20,000
Iowa Lakeside Laboratory	\$17,000	\$17,000
Silver Lake Park Improvement Association	\$3,000	\$3,000
Dickinson Soil and Water Conservation District	\$50,000	\$50,000
Ducks Unlimited	\$78,000	\$78,000
Clean Water Alliance	\$29,352	\$29,352
Totals	\$197,352	\$197,352

In the thirteenth year of the Commission there was \$200,000 dollars entrusted for worthy projects in the watersheds of Dickinson County. Traditionally the commission has not had enough money to provide for the number and dollar amount of applicants but this year there was more money than applicants. All the grants were funded and also brought in \$887,673 dollars in matching funds. That amount of dollars spent versus the amount of matching dollars is 4.5 of matching funds for every one dollar spent by the Commission.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Thirteen, Fiscal Year 2015 Project Descriptions

Okoboji Protective Association

\$20,000

The Iowa Great Lakes is threatened by Aquatic Invasive Species (primarily Eurasian watermilfoil and zebra mussels). Our plan for this grant funding is to hire four environmental science college students to educate boaters to be sure their boats have been drained and cleaned before being launched. By being proactive in protecting our lakes, we expect to delay and/or minimize the impact AIS will have to our lakes.

Iowa Lakeside Laboratory

\$17,000

Water quality of the Iowa Great Lakes is the economic drier of the Okoboji region. One component of Lakeside Lab's mission is to monitor Okoboji's water quality. Twenty-first century issues require state-of-the-art technology and therefore this proposal is to deploy a recording buoy that will automatically measure important water quality parameters. The data will be publicly available for use by the community (via website) and will network with scientists globally to add context to this important information.

Silver Lake Park Improvement Association

\$3,000

Silver Lake Park Improvement Association, a partner of the Silver Lake Watershed Project to improve the water quality of Silver Lake has sampled the watershed of Silver Lake for 8 years. The samples help to target working with landowners and homeowners within the watershed to install conservation practices that prevent pollutants from entering the lake.

Dickinson Soil and Water Conservation District

\$50,000

Homeowners and stewards can help keep their lakes healthy by using ecological principles to assess, design, construct, and maintain natural shorelines. Using the techniques we have learned and will reproduce with this grant owners should find sound bioengineering practices that blend into the landscape and allow for natural infiltration of pollutants.

Ducks Unlimited

\$78,000

This Project consists of 3 separate elements, East Hottes Lake, Clemens Tract in the Spring Run complex, and Little Swan Lake in eastern Dickinson County, which will address water quality concerns and enhancement practices specifically identified in the Iowa Great Lakes Management Plan. The project will enhance wetlands to help meet the water quality goals identified in the plan. We are requesting a total of \$78,000 from the Commission to help with the Project and will provide \$258,670 in match.

Clean Water Alliance

\$29,352

This project is for the salary of the Clean Water Alliance Coordinator. The coordinator is employed by the Dickinson Soil and Water Conservation District. Through an agreement the Dickinson Soil and Water Conservation District agrees to provide support and assistance to the Dickinson Water Quality Commission. This request was submitted by the Dickinson County Soil and Water Conservation District.

DICKINSON COUNTY WATER QUALITY COMMISSION

2016 Water Quality Commissioners

Dickinson County

Bill Leupold
Darryl Halling
Mardi Allen

Arnolds Park

Mitch Waters
Greg Drees

Lake Park

Herb Stewart

Milford

Eric Stoll
Mel Berryhill

Okoboji

Jane Shuttleworth
Jerry Robinson

Orleans

Carleton Mitchell

Spirit Lake

Doug Zemler
Clyde Ihrke

Superior

Everett Houge

Terril

Darrell Woods Jr.

Wahpeton

Brad Jones
Jim Keck

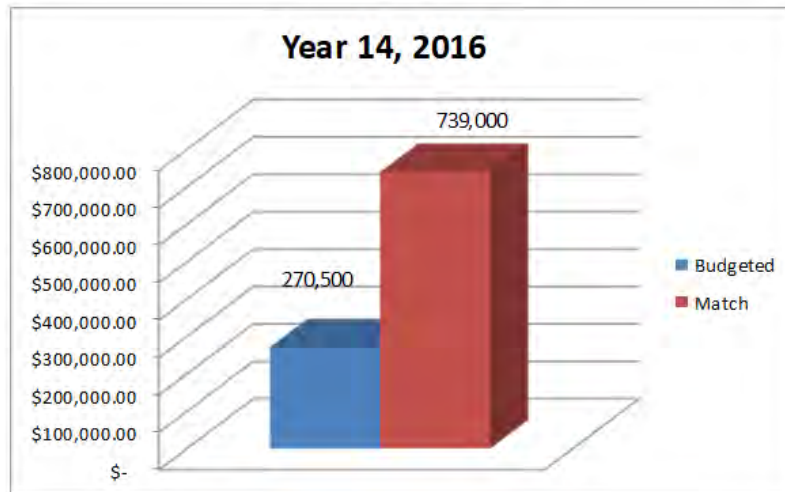
West Okoboji

Mike Paxton

Year Fourteen, Fiscal Year 2016 (2016- 2017)

Applicant	Requested	Budgeted
Spirit Lake Protective Association	105,000	105,000
Ducks Unlimited	90,000	90,000
Silver Lake Park Improvement Association	12,500	12,500
Silver Lake Park Improvement Association	3,000	3,000
Okoboji Protective Association	20,000	0
Dickinson Soil and Water Conservation District	6,000	0
Clean Water Alliance	60,000	60,000
Totals	\$296,500	\$270,500

In the fourteenth year of the Commission there was \$276,500 dollars entrusted for worthy projects in the watersheds of Dickinson County. Traditionally the commission has not had enough money to provide for the number and dollar amount of applicants and this year was no exception, with \$296,500 dollars in grant requests. The grants that were accepted also brought in \$739,000 dollars in matching funds. That amount of dollars spent versus the amount of matching dollars is 3.62 of matching funds for every one dollar spent by the Commission. The WQC began a new partnership with the Iowa Department of Natural Resources, Lake Restoration Program (LRP) in which they contributed to projects they deemed important and that fit their criteria. The Water Quality Commission provided \$203,875 dollars and LRP contributed \$66,625 dollars toward projects that ranked high in the process.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Fourteen, Fiscal Year 2016 Project Descriptions

Spirit Lake Protective Association

\$105,000

In the Iowa Great Lakes Watershed Management Plan, it states “This project will be used to acquire of a key property located in the Reeds Run Resource Management Area discussed in the Iowa Great Lakes Watershed Management Plan, on page 142. On page 143 of the Iowa Great Lakes Watershed Management Plan it states, “A combination of wetland restorations, sediment control practices, vegetative buffers, and tile intake treatments will be used to prevent approximately 1,874 pounds of Phosphorus from reaching Big Spirit Lake”. This project alone will prevent approximately 389.9-pound reduction in phosphorous from reaching Big Spirit Lake or 20 percent of the amount needed for Reeds Run RMA, in perpetuity. Currently this land is in the conservation reserve program and some discussions have been made by a developer to build condominiums on this property sometime in the future.

Ducks Unlimited

\$90,000

In a healthy state, the shallow lakes and large marshes surrounding the Iowa Great Lakes provide critical watershed protection and habitat for wildlife and fisheries. Despite their ecological, environmental, and recreational importance, these shallow lakes and marshes have experienced a significant decline in water quality, ecological health, and migratory bird use over the past several decades. This project encompasses 3 separate components: 1) Garlock Slough Protection, 2) Garlock Slough Wetland Enhancement, and 3) Kettleson Hogsback Wetland Enhancement. All three of these components are identified in the Iowa Great Lakes Watershed Management Plan.

Silver Lake Park Improvement Corporation

\$3,000

Silver Lake Park Improvement Association, a partner of the Silver Lake Watershed Project to improve the water quality of Silver Lake has sampled the watershed of Silver Lake for 8 years. The samples help to target working with landowners and homeowners within the watershed to install conservation practices that prevent pollutants from entering the lake.

Silver Lake Park Improvement Corporation

\$12,500

This project is needed to protect and enhance the water quality of Silver Lake. This project will filter and treat the runoff into the lake or the streams that lead to the lake. As stated in Silver Lake Watershed Management Plan, " The Silver Lake Water Quality Project has, as a goal, to reduce sediment and phosphorous from reaching Silver Lake. The primary reason for these two pollutants being targeted is the TMDL showing a need to reduce both in order for the lake to become a water body that reaches its highest and best use." In addition, “No single BMP will be able to reduce pollutant loads to Silver Lake. Rather, a comprehensive package of BMPs will be required to address poor water transparency that has caused “aesthetically objectionable conditions” and impaired primary contact recreation. Most of the phosphorus and sediment entering Silver Lake is from agricultural land uses and internal recycling; however, some urban area drains to the lake as well.

DICKINSON COUNTY WATER QUALITY COMMISSION

Clean Water Alliance

\$60,000

This project is for the salary of the Clean Water Alliance Coordinator. The coordinator is employed by the Dickinson Soil and Water Conservation District. Through an agreement the Dickinson Soil and Water Conservation District agrees to provide support and assistance to the Dickinson Water Quality Commission. This request was submitted by the Dickinson County Soil and Water Conservation District.

DICKINSON COUNTY WATER QUALITY COMMISSION

2017 Water Quality Commissioners

Dickinson County

Bill Leupold
Darryl Halling
Mardi Allen

Arnolds Park

Mitch Waters
Greg Drees

Lake Park

Herb Stewart

Milford

Eric Stoll
Mel Berryhill

Okoboji

Jane Shuttleworth
Jerry Robinson

Orleans

Carleton Mitchell

Spirit Lake

Doug Zemler
Clyde Ihrke

Superior

Everett Houge

Terril

Darrell Woods Jr.

Wahpeton

Brad Jones
Jim Keck

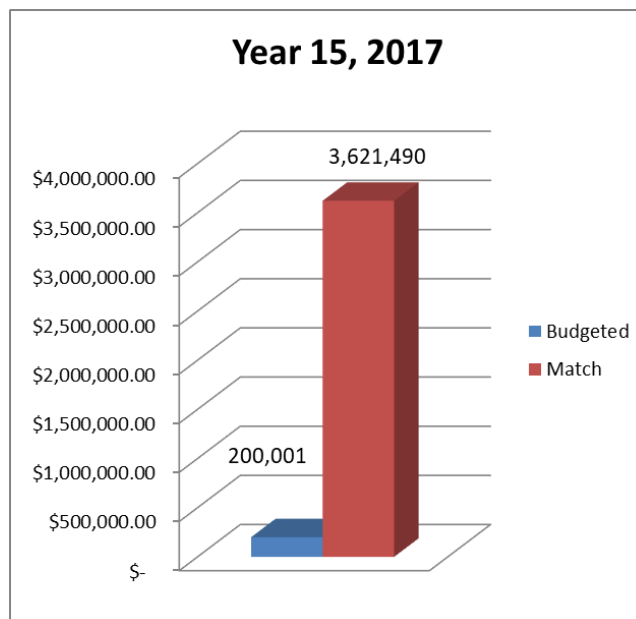
West Okoboji

Mike Paxton

Year Fifteen, Fiscal Year 2017 (2017- 2018)

Applicant	Requested	Budgeted
Pheasants Forever	\$100,000	\$100,000
Silver Lake Park Improvement Association	\$3,000	\$3,000
Dickinson County Conservation Board	\$12,360	\$12,360
Team Wave	\$75,000	\$75,000
Okoboji Home Owners Association	\$37,178	\$37,178
Okoboji Protective Association	\$20,000	\$20,000
Clean Water Alliance	\$30,000	\$30,000
USGS	\$148,500	\$0
Totals	\$426,038	\$277,538

In the fifteenth year of the Commission there was \$277,538 dollars entrusted for worthy projects in the watersheds of Dickinson County. Traditionally the commission has not had enough money to provide for the number and dollar amount of applicants and this year was no exception, with \$426,038 dollars in grant requests. The grants that were accepted also brought in \$3,621,490 dollars in matching funds. That amount of dollars spent versus the amount of matching dollars is 13.05 of matching funds for every one dollar spent by the Commission. With the WQC's partnership with the Iowa Department of Natural Resources, Lake Restoration Program (LRP) in which they contributed to projects they deemed important and that fit their criteria. The Water Quality Commission provided \$200,001 dollars and LRP contributed \$77,537 dollars toward projects that ranked high in the process.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Fifteen, Fiscal Year 2017 Project Descriptions

Pheasants Forever

\$100,000

The Blackrock Wetlands Project will permanently protect 561.6 acres within the Iowa Great Lakes Watershed, in Jackson County, MN. Land protected will become a Waterfowl Production Area owned and managed by the US Fish and Wildlife Service and open to public recreation. Wetland (26 basins for 112.2 acres) and grassland restoration (449.4 acres) will be conducted providing an estimated 85% reduction in Phosphorous and nitrogen annually and a reduction in 30 tons of sediment per 2-inch rainfall to Big Spirit Lake.

Silver Lake Park Improvement Association

\$3,000

Silver Lake Park Improvement Association, a partner of the Silver Lake Watershed Project to improve the water quality of Silver Lake has sampled the watershed of Silver Lake for 8 years. The samples help to target working with landowners and homeowners within the watershed to install conservation practices that prevent pollutants from entering the lake.

Dickinson County Conservation Board

\$12,360

The Dickinson County Conservation Board (DCCB), in partnership with ARARE Farms LTD (AFL), seeks funding to improve, protect and enhance the water quality of the Iowa Great Lakes while providing habitat for wildlife through the restoration of a wetland on the western edge of Kenue Park. Total estimated project cost is \$15,450.00. We are requesting 80% (\$12,360) contribution from the commission and will provide 20% (\$3,090.00) in hard matching funds.

Team Wave

\$75,000

Team Wave is proposing to construct the Monument Drive Pervious Paver System. This project creates a Pave-Drain system on the north 415 feet of Monument Drive adjacent to the Abbie Gardner Cabin. The project will include paver installation, storm sewer reconstruction, and lakeshore bank stabilization. It will infiltrate storm sewer run-off from 1.4 acres of residential area that is currently draining untreated into West Okoboji Lake, and it will stop existing shoreline erosion at the storm sewer outlet.

Okoboji Camp Owners Cooperative, aka Monarch Cove

\$37,178

During heavy rainfalls, storm water runs down through the Monarch Cove subdivision and adjacent Methodist Camp into a large ravine that drains directly into West Lake Okoboji, carrying with it sediments that compromise the lake and erode the land. Monarch Cove proposes to install 3 Bio-Retention Cells to aid in capturing and filtering the storm water run-off. This project is Phase 2 of a multi-comprehensive plan. Phase 1 of the project was successfully completed in August 2014.

Okoboji Protective Association

\$20,000

The Iowa Great Lakes is threatened by Aquatic Invasive Species (primarily

DICKINSON COUNTY WATER QUALITY COMMISSION

Eurasian watermilfoil and zebra mussels). Our plan for this grant funding is for Iowa Lakeside Laboratory to provide environmental science college students to educate boaters at boat ramps to be sure their boats have been drained and cleaned before being launched. This Lakeside Lab program is part of an “Earn and Learn” program offered by Iowa’s Regents Universities. By being proactive in protecting our lakes, we expect to delay and/or minimize the impact AIS will have to our lakes.

Clean Water Alliance

\$30,000

This project is for the salary of the Clean Water Alliance Coordinator. The coordinator is employed by the Dickinson Soil and Water Conservation District. Through an agreement the Dickinson Soil and Water Conservation District agrees to provide support and assistance to the Dickinson Water Quality Commission. This request was submitted by the Dickinson County Soil and Water Conservation District.

DICKINSON COUNTY WATER QUALITY COMMISSION

2018 Water Quality Commissioners

Dickinson County

Bill Leupold
Darryl Halling
Mardi Allen

Arnolds Park

Mitch Waters
Greg Drees

Lake Park

Herb Stewart

Milford

Eric Stoll
Mel Berryhill

Okoboji

Jane Shuttleworth
Jerry Robinson

Orleans

Carleton Mitchell

Spirit Lake

Doug Zemler
Clyde Ihrke

Superior

Everett Houge

Terril

Darrell Woods Jr.

Wahpeton

Brad Jones
Jim Keck

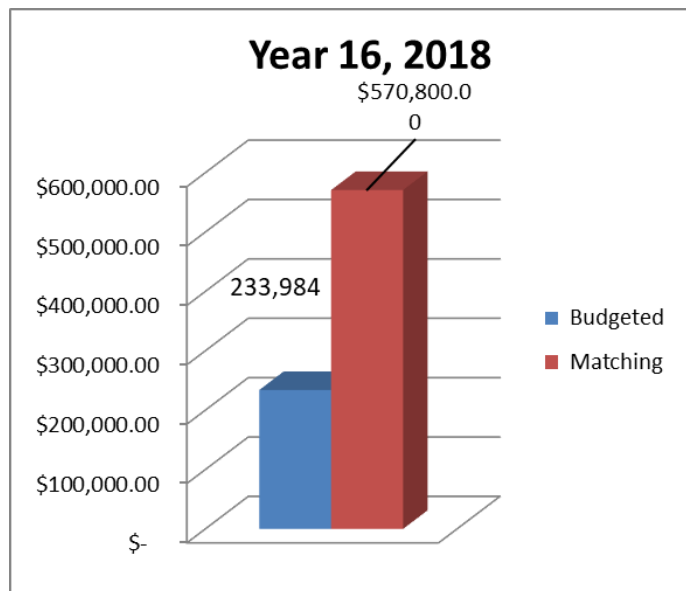
West Okoboji

Mike Paxton

Year Sixteen, Fiscal Year 2018 (2018- 2019)

Applicant	Requested	Budgeted
Okoboji Protective Association	25,000	25,000
Silver Lake Park Improvement Association	23,000	23,000
Silver Lake Park Improvement Association	7,500	7,500
Meneyata Park Association	34,850	35,850
Historic Arnolds Park	31,334	31,334
Iowa DNR	31,500	31,500
USGS	49,800	49,800
Clean Water Alliance	30,000	30,000
Totals	\$232,984	\$233,984

In the sixteenth year of the Commission there was \$233,984 dollars entrusted for worthy projects in the watersheds of Dickinson County. Traditionally the commission has not had enough money to provide for the number and dollar amount of applicants but this year because of a partnership with the Iowa DNR we were able to fund all requests. The grants that were accepted also brought in \$570,800 dollars in matching funds. That amount of dollars spent versus the amount of matching dollars is 2.4 of matching funds for every one dollar spent by the Commission. With the WQC's partnership with the Iowa Department of Natural Resources, Lake Restoration Program (LRP) in which they contributed to projects they deemed important and that fit their criteria. The Water Quality Commission provided \$200,001 dollars and LRP contributed \$33,984 dollars toward projects that ranked high in the process.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Sixteen, Fiscal Year 2018 Project Descriptions

Okoboji Protective Association

\$25,000

The Iowa Great Lakes is threatened by Aquatic Invasive Species (primarily Eurasian watermilfoil and zebra mussels). Our plan for this grant funding is for Iowa Lakeside Laboratory to provide environmental science college students to educate boaters at boat ramps to be sure their boats have been drained and cleaned before being launched. This Lakeside Lab program is part of an “Earn and Learn” program offered by Iowa’s Regents Universities. By being proactive in protecting our lakes, we expect to delay and/or minimize the impact AIS will have to our lakes.

Silver Lake Park Improvement Association

\$23,000

Silver Lake Park Improvement Association, a partner of the Silver Lake Watershed Project to improve the water quality of Silver Lake has sampled the watershed of Silver Lake for 9 years. The samples help to target working with landowners and homeowners within the watershed to install conservation practices that prevent pollutants from entering the lake. This year the WQC helped to fund a diagnostic feasibility study of the Silver Lake Watershed to prioritize and understand the pollutant chain in the watershed.

Silver Lake Park Improvement Association

\$7,500

This project is an attempt of the Association to help boost cost share through the Dickinson SWCD from 50% to 75% within the Silver Lake Watershed. The Association will be the grantor to landowners of 25% of the cost of the estimate or the actual cost, whichever is less and the SWCD would cost share 50% through its cost share programs.

Meneyata Park Association

\$35,850

This project assists the Meneyata Park Association in protecting 1,600 feet of shoreline in the “canals” of Wahpeton. The Association has been trying to find a way for years to shore up the shoreline and with this agreement they will armor the shoreline, pull the shoreline back to a gradual grade, and seed a native buffer along the shoreline to protect it.

Iowa Department of Natural Resources

\$31,500

This project will assist the Spirit Lake Fish Hatchery with pollutant removal from fish feces as it moves through the hatchery. This will be a part of the hatcheries move toward making the outflow from the hatchery cleaner and the inflow into the hatchery free from invasive species. The project will consist of a wetland to settle solids and sand filters to stop incoming species.

USGS

\$49,800

This is the first-year funding for a two-year study. During the first year, lake level and streamflow gages will be installed to quantify lake inflows/outflows in the Iowa Great Lakes Chain of lakes to develop a hydrologic water budget and construct hydrologic model (second year). Results will quantify and assess the extent and connectivity of the lakes, rivers, and groundwater aquifers which will assist managers in making informed decisions.

DICKINSON COUNTY WATER QUALITY COMMISSION

2019 Water Quality Commissioners

Dickinson County

Bill Leupold
Darryl Halling

Mardi Allen

Arnolds Park

Mitch Waters

Greg Drees

Lake Park

Herb Stewart

Milford

Eric Stoll

Mel Berryhill

Okoboji

Jane Shuttleworth

Jerry Robinson

Orleans

Carleton Mitchell

Spirit Lake

Doug Zemler

Clyde Ihrke

Superior

Everett Houge

Terril

Darrell Woods Jr.

Wahpeton

Brad Jones

Jim Keck

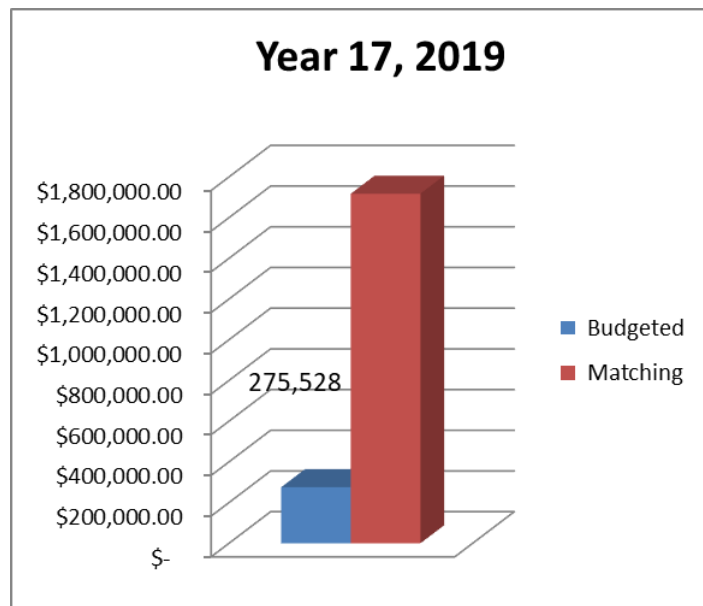
West Okoboji

Mike Paxton

Year Seventeen, Fiscal Year 2019 (2019- 2020)

Applicant	Requested	Budgeted
EOLIC	\$100,000.00	\$100,000.00
INHF	\$93,574.00	\$93,574.00
Dickinson SWCD	\$30,000.00	\$30,000.00
Dickinson SWCD	\$10,000.00	\$10,000.00
OPA	\$25,000.00	\$25,000.00
Center Lake Improvement Corp	\$100,000.00	
Mineyata Park Lot Owners	\$13,954.00	\$13,954.00
SLPIA	\$3,000.00	\$3,000.00
Totals	\$375,528	\$275,528

In the seventeenth year of the Commission there was \$275,528 dollars entrusted for worthy projects in the watersheds of Dickinson County. Traditionally the commission has not had enough money to provide for the number and dollar amount of applicants but this year because of a partnership with the Iowa DNR we were able to fund all requests. The grants that were accepted also brought in \$1.7 million dollars in matching funds. That amount of dollars spent versus the amount of matching dollars is 6.1 of matching funds for every one dollar spent by the Commission. With the WQC's partnership with the Iowa Department of Natural Resources, Lake Restoration Program (LRP) in which they contributed to projects they deemed important and that fit their criteria. The Water Quality Commission provided \$200,001 dollars and LRP contributed \$75,527 dollars toward projects that ranked high in the process.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Seventeen, Fiscal Year 2019 Project Descriptions

EOLIC **\$100,000**

EOLIC is requesting \$100,000 to construct a 10.96-acre storm-water wetland at the location described, storing the 50-year storm while safely bypassing the 100-year storm water through an emergency overflow spillway, resulting in improved water quality flowing to East Lake Okoboji. Sediment loads from sheet and rill, ephemeral gully, classic gully erosion and sand are calculated to reduce annually from 190.6 tons to 39.6 tons; total phosphorous from 343.08 pounds to 71.28 pounds; each by 79%.

INHF **\$93,574**

This grant launches Phase I restoration of a 160-acre property recently purchased by Iowa Natural Heritage Foundation to improve water quality of Big Spirit Lake. Phase I includes wetland restoration, installation of a native prairie buffer, conservation farming practices, soil testing, water quality monitoring, additional site inventory and analysis and continued communications with the neighborhood and community. Iowa Lakeside Laboratory will begin monitoring the water quality benefits of these changes. INHF will continue to build community support around the project. INHF will retain ownership of this site and continue its restoration and careful use based on the needs of the land, tenant, neighbors, and community.

Dickinson SWCD **\$30,000**

The spring and early summer of 2018 was very tough on our shorelines in Dickinson County, with many shorelines collapsing. This project's goal is to remove trees and shrubs and replace them with deeply rooted native plants to firm up these shorelines and to provide stability to shorelines that are not stable. Native plants provide a greater stability than shorelines with trees and shrubs on the shoreline.

Dickinson SWCD **\$10,000**

The Little Sioux Headwaters Coalition 28E paperwork has been filed and the organization needs funds to prepare for planning and investigating the newly formed watershed management authority for priority areas and sites. The Watershed needs to be investigated. The funding requested would be a part of a larger project grant later this fall that would be up to 100,000 dollars.

Okoboji Protective Association **\$25,000**

The Iowa Great Lakes is threatened by Aquatic Invasive Species (primarily Eurasian watermilfoil and zebra mussels). Our plan for this grant funding is for Iowa Lakeside Laboratory to provide environmental science college students to educate boaters at boat ramps to be sure their boats have been drained and cleaned before being launched. This Lakeside Lab program is part of an "Earn and Learn" program offered by Iowa's Regents Universities. By being proactive in protecting our lakes, we expect to delay and/or minimize the impact AIS will have to our lakes.

DICKINSON COUNTY WATER QUALITY COMMISSION

Silver Lake Park Improvement Association

\$3,000

Silver Lake Park Improvement Association, a partner of the Silver Lake Watershed Project to improve the water quality of Silver Lake has sampled the watershed of Silver Lake for 8 years. The samples help to target working with landowners and homeowners within the watershed to install conservation practices that prevent pollutants from entering the lake.

Meneyata Park Lot Owners

\$13,954

The Meneyata Lot Owners Association proposes a shoreline bank stabilization project for Papoose and Hiawatha Beaches in Wahpeton, IA. A six-foot buffer of native plants (grasses and forbs) will be planted to provide a barrier to stabilize and filter contaminants from entering West Lake Okoboji. We will also enhance the wet meadow of Hiawatha Beach area by digging a basin. The newly created wetland will filter almost five acres of runoff from nearby residential homes and streets.

Clean Water Alliance

\$30,000

This project is for the salary of the Clean Water Alliance Coordinator. The coordinator is employed by the Dickinson Soil and Water Conservation District. Through an agreement the Dickinson Soil and Water Conservation District agrees to provide support and assistance to the Dickinson Water Quality Commission. This request was submitted by the Dickinson County Soil and Water Conservation District.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Eighteen, Fiscal Year 2020 (2020- 2021)

2020 Water Quality Commissioners

Dickinson County

Bill Leupold
Vern Schoeneman
Steve Clark

Arnolds Park

Mitch Waters
Greg Drees

Lake Park

Herb Stewart

Milford

Eric Stoll
Mel Berryhill

Okoboji

Jane Shuttleworth
Jerry Robinson

Orleans

Carleton Mitchell

Spirit Lake

John Chappas
Clyde Ihrke

Superior

Kevin Swalve

Terril

Darrell Woods Jr.

Wahpeton

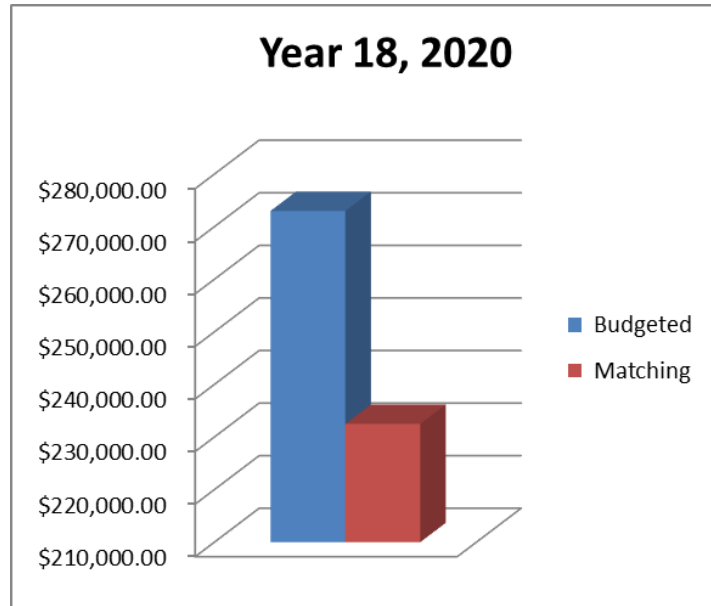
Brad Jones
Harold Prior

West Okoboji

Barb Lynch

Applicant	Requested	Budgeted
EOLIC	\$100,000.00	\$100,000.00
OPA	\$25,000.00	\$25,000.00
SLPIA	\$118,000.00	\$118,000.00
Dickinson SWCD	\$30,000	\$30,000
Totals	\$273,000	\$273,000

In the eighteenth year of the Commission there was 243,000 dollars entrusted for worthy projects in the watersheds of Dickinson County. Traditionally the commission has not had enough money to provide for the number and dollar amount of applicants but this year because of a partnership with the Iowa DNR we were able to fund all requests. The grants that were accepted also brought in \$232,500 thousand dollars in matching funds. That amount of dollars spent versus the amount of matching dollars is 1.1 of matching funds for every one dollar spent by the Commission. With the WQC's partnership with the Iowa Department of Natural Resources, Lake Restoration Program (LRP) in which they contributed to projects they deemed important and that fit their criteria. The Water Quality Commission provided \$200,000 dollars and LRP contributed \$73,000 dollars toward projects that ranked high in the process.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Eighteen, Fiscal Year 2020 Project Descriptions

EOLIC **\$100,000**

EOLIC is requesting \$100,000 to construct a 10.96-acre storm-water wetland at the location described, storing the 50-year storm while safely bypassing the 100-year storm water through an emergency overflow spillway, resulting in improved water quality flowing to East Lake Okoboji. Sediment loads from sheet and rill, ephemeral gully, classic gully erosion and sand are calculated to reduce annually from 190.6 tons to 39.6 tons; total phosphorous from 343.08 pounds to 71.28 pounds; each by 79%.

Okoboji Protective Association **\$25,000**

The Iowa Great Lakes is threatened by Aquatic Invasive Species (primarily Eurasian watermilfoil and zebra mussels). Our plan for this grant funding is for Iowa Lakeside Laboratory to provide environmental science college students to educate boaters at boat ramps to be sure their boats have been drained and cleaned before being launched. This Lakeside Lab program is part of an “Earn and Learn” program offered by Iowa’s Regents Universities. By being proactive in protecting our lakes, we expect to delay and/or minimize the impact AIS will have to our lakes.

Silver Lake Park Improvement Association **\$3,000**

Silver Lake Park Improvement Association, a partner of the Silver Lake Watershed Project to improve the water quality of Silver Lake has sampled the watershed of Silver Lake for 8 years. The samples help to target working with landowners and homeowners within the watershed to install conservation practices that prevent pollutants from entering the lake.

Dickinson SWCD **\$30,000**

The spring and early summer of 2018 was very tough on our shorelines in Dickinson County, with many shorelines collapsing. This project’s goal is to remove trees and shrubs and replace them with deeply rooted native plants to firm up these shorelines and to provide stability to shorelines that are not stable. Native plants provide a greater stability than shorelines with trees and shrubs on the shoreline.

DICKINSON COUNTY WATER QUALITY COMMISSION

2021 Water Quality Commissioners

Dickinson County

Bill Leupold
Vern Schoeneman
Steve Clark

Arnolds Park

Mitch Waters
Greg Drees

Lake Park

Herb Stewart

Milford

Eric Stoll
Mel Berryhill

Okoboji

Jane Shuttleworth
Jerry Robinson

Orleans

Carleton Mitchell

Spirit Lake

John Chappas
Clyde Ihrke

Superior

Kevin Swalve

Terril

Darrell Woods Jr.

Wahpeton

Brad Jones
Harold Prior

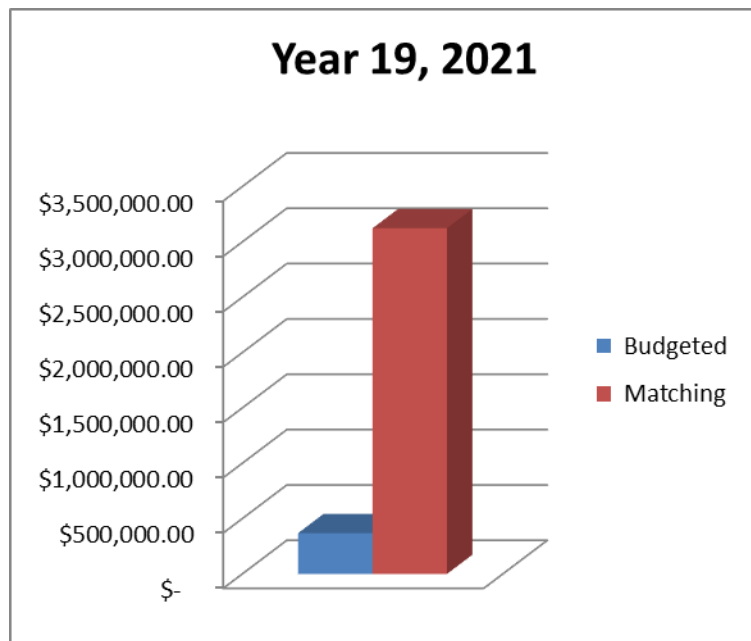
West Okoboji

Barb Lynch

Year Nineteen, Fiscal Year 2021 (2021- 2022)

Applicant	Requested	Budgeted
EOLIC	\$100,000.00	\$100,000.00
Ducks Unlimited	\$100,000.00	\$100,000.00
Jackson County Drainage Authority	\$75,000.00	\$75,000.00
SLPIA	\$3,000.00	\$3,000.00
DCCB	\$78,364.00	\$39,182.00
Dickinson SWCD	\$30,000.00	\$22,818.00
Lakewood Park Homeowners Association	\$1,550.00	\$0.00
Dickinson SWCD	\$30,000	\$30,000
Totals	\$417,914	\$370,000

In the Nineteenth year of the Commission there was 317,182 dollars entrusted for worthy projects in the watersheds of Dickinson County. Traditionally the commission has not had enough money to provide for the number and dollar amount of applicants but this year because of a partnership with the Iowa DNR we were able to fund most requests. The grants that were accepted also brought in \$30,254,235 million dollars in matching funds. That amount of dollars spent versus the amount of matching dollars is 8.4.1 of matching funds for every one dollar spent by the Commission. With the WQC's partnership with the Iowa Department of Natural Resources, Lake Restoration Program (LRP) in which they contributed to projects they deemed important and that fit their criteria. The Water Quality Commission provided \$200,000 dollars and LRP contributed \$170,000 dollars toward projects that ranked high in the process.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Nineteen, Fiscal Year 2021 Project Descriptions

EOLIC **\$100,000**

EOLIC is requesting \$100,000 to construct a 10.96-acre storm-water wetland at the location described, storing the 50-year storm while safely bypassing the 100-year storm water through an emergency overflow spillway, resulting in improved water quality flowing to East Lake Okoboji. Sediment loads from sheet and rill, ephemeral gully, classic gully erosion and sand are calculated to reduce annually from 190.6 tons to 39.6 tons; total phosphorous from 343.08 pounds to 71.28 pounds; each by 79%.

Ducks Unlimited **\$100,000**

In partnership with the Clean Water Alliance, Ducks Unlimited acquired the Reed Farm, a 159-acre tract of land in the Spring-Run watershed complex. This acquisition will protect water quality in East Okoboji and Lower Gar Lakes by facilitating future grassland and wetland restoration, reducing nutrient export, and preventing future residential development.

Jackson County Drainage Authority **\$75,000**

This project along Judicial Ditch 8 (JD8) in rural Jackson County, Minnesota will benefit Loon Lake and downstream Big Spirit Lake through the installation of a 2-acre oxbow, which will create 20 acres of floodplain storage, and 36 alternative side inlets (ASIs), also called Water and Sediment Control Basins (WASCOB's). The project will reduce peak flows that will help limit erosion and sediment making its way to downstream lakes during times of heavy precipitation. The project will also make meaningful progress to water quality goals, with the oxbow removing 623 tons of sediment and 316 pounds of Phosphorus each year and the ASI's reducing sediment loads by 36 tons per year and 66 pounds of Phosphorus each year.

DCCB **\$78,364**

Dickinson County Conservation Board pursues the acquisition of a 19.67-acre parcel that includes a key wetland in the Iowa Great Lakes watershed that is imperative to water quality for East Lake Okoboji. The addition connects to the board's main park, Kenue Park in Okoboji, which is home to the Dickinson County Nature Center and is located along a highly used part of Dickinson County spine trail. The acquisition, habitat restoration, and the implementation of a new water control structure will improve the quality of water entering East Lake Okoboji.

Okoboji Protective Association **\$25,000**

The Iowa Great Lakes is threatened by Aquatic Invasive Species (primarily Eurasian watermilfoil and zebra mussels). Our plan for this grant funding is for Iowa Lakeside Laboratory to provide environmental science college students to educate boaters at boat ramps to be sure their boats have been drained and cleaned before being launched. This Lakeside Lab program is part of an "Earn and Learn" program offered by Iowa's Regents Universities. By being proactive in protecting our lakes, we expect to delay and/or minimize the impact AIS will have to our lakes.

DICKINSON COUNTY WATER QUALITY COMMISSION

Silver Lake Park Improvement Association

\$3,000

Silver Lake Park Improvement Association, a partner of the Silver Lake Watershed Project to improve the water quality of Silver Lake has sampled the watershed of Silver Lake for 8 years. The samples help to target working with landowners and homeowners within the watershed to install conservation practices that prevent pollutants from entering the lake.

Dickinson SWCD

\$30,000

This project is for the salary of the Clean Water Alliance Coordinator. The coordinator is employed by the Dickinson Soil and Water Conservation District. Through an agreement the Dickinson Soil and Water Conservation District agrees to provide support and assistance to the Dickinson Water Quality Commission. This request was submitted by the Dickinson County Soil and Water Conservation District.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year Twenty, Fiscal Year 2022 (2022- 2023)

2022 Water Quality Commissioners

Dickinson County

Bill Leupold
Vern Schoeneman
Steve Clark

Arnolds Park

Mitch Waters
Greg Drees

Lake Park

Herb Stewart

Milford

Brad Willemsen
Doug Frederick

Okoboji

Jon Allen
Jerry Robinson

Orleans

Carleton Mitchell

Spirit Lake

John Chappas
Clyde Ihrke

Superior

Jim Tendal

Terril

Darrell Woods Jr.

Wahpeton

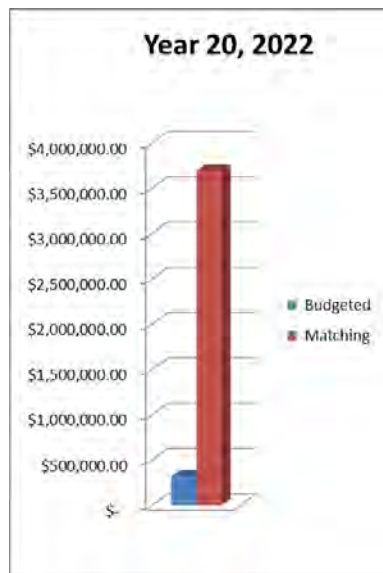
Brad Jones
Harold Prior

West Okoboji

Paul Seih

Applicant	Requested	Budgeted
SLPA	\$100,000.00	\$100,000.00
INHF	\$28,000.00	\$28,000.00
Lakeside Lab	\$28,000.00	\$28,000.00
SLPIA	\$30,000.00	\$30,000.00
SLPIA	\$3,000.00	\$3,000.00
Imagine IGL	\$100,000.00	\$100,000.00
MMU	\$1,310.00	\$0.00
Dickinson SWCD	\$30,000	\$30,000
Millers Bay Conservancy	\$10,000	\$0
Lakewood Park Association	\$275,950	\$0
Totals	\$606,260	\$319,000

In the twentieth year of the Commission there was 606,260 dollars requested for worthy projects in the watersheds of Dickinson County. Traditionally the commission has not had enough money to provide for the number and dollar amount of applicants but this year because of a partnership with the Iowa DNR we were able to fund ½ of the requests. The grants that were accepted also brought in \$3.6 million dollars in matching funds. That amount of dollars spent versus the amount of matching dollars is 10.1 of matching funds for every one dollar spent by the Commission. With the WQC’s partnership with the Iowa Department of Natural Resources, Lake Restoration Program (LRP) in which they contributed to projects they deemed important and that fit their criteria. The Water Quality Commission provided \$200,000 dollars and LRP contributed \$119,000 dollars toward projects that ranked high in the process.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Twenty, Fiscal Year 2022 Project Descriptions

SLPA **\$100,000**

The Blackrock Farms Wetlands Project will permanently protect approximately 195.50-acres within the Iowa Great Lakes Watershed in Jackson County, MN. Land protected will become a Waterfowl Production Area owned and managed by the USFWS and open to public recreation. Wetland (estimated 80-acres) and grassland restoration (110-acres) will be conducted providing an estimated 85% reduction in phosphorus and nitrogen annually and a reduction of 30 tons of sediment per 2" rainfall to Big Spirit Lake.

INHF **\$28,000**

The Iowa Department of Natural Resources, Okoboji View Golf Course, and Iowa Natural Heritage Foundation are continuing our long-standing partnership to restore more wetlands in the priority Okoboji View RMA. Iowa Natural Heritage Foundation is requesting \$28,000 to restore a 17.5-acre wetland. The wetland is being designed by McClure Engineering and will be constructed between the fall of 2023 and the winter of 2025.

Lakeside Laboratory **\$28,000**

This project seeks to continue water quality monitoring efforts along with data analysis and public reporting on issues and actions to protect the lakes for the long-term. Project includes water quality monitoring of tributaries, groundwater monitoring, focused lake monitoring to determine the sources of E. coli and blue-green algae toxins that resulted in beach advisories in 2022 and Eurasian Watermilfoil monitoring in Miller's Bay. Lastly, an information campaign will highlight actions to prevent IAS and improve water quality.

SLPIA **\$30,000**

The diagnostic feasibility study, which was completed 2 years ago clearly showed low hanging fruit that would provide immediate success as being shoreline protection. This grant seeks to help fund shoreline protection on private shorelines.

Imagine IGL **\$100,000**

Drainage problems have been an issue on this site for many years with runoff from urban sites an issue. The flashy nature of this runoff has accelerated the cutting of a gully in the Wheelers Woods. This project aims to bring this runoff underground, stop the gully cutback, and clean water running into West Okoboji. We partner with the City of West Okoboji on the Terrace Park Beach to beautify and improve water quality.

Silver Lake Park Improvement Association **\$3,000**

Silver Lake Park Improvement Association, a partner of the Silver Lake Watershed Project to improve the water quality of Silver Lake has sampled the watershed of Silver Lake for 8 years. The samples help to target working with landowners and homeowners within the watershed to install conservation practices that prevent pollutants from entering the lake.

Dickinson SWCD

\$30,000

The spring and early summer of 2018 was very tough on our shorelines in Dickinson County, with many shorelines collapsing. This project's goal is to remove trees and shrubs and replace them with deeply rooted native plants to firm up these shorelines and to provide stability to shorelines that are not stable. Native plants provide a greater stability than shorelines with trees and shrubs on the shoreline.

DICKINSON COUNTY WATER QUALITY COMMISSION

2023 Water Quality Commissioners

Dickinson County

Bill Leupold
Vern Schoeneman
Steve Clark

Arnolds Park

Mitch Waters
Greg Drees

Lake Park

Herb Stewart

Milford

Brad Willemssen
Doug Frederick

Okoboji

Jon Allen
Jerry Robinson

Orleans

Carleton Mitchell

Spirit Lake

John Chappas
Clyde Ihrke

Superior

Jim Tendal

Terril

Darrell Woods Jr.

Wahpeton

Brad Jones
Harold Prior

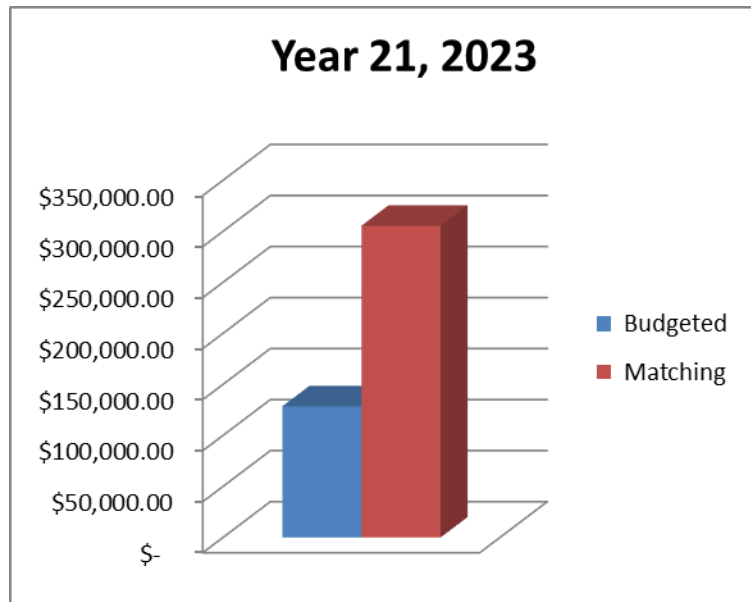
West Okoboji

Paul Seih

Year Twenty-One, Fiscal Year 2023 (2023- 2024)

Applicant	Requested	Budgeted
SLPIA	\$3,000.00	\$3,000.00
Lakewood Park Association	\$14,535.00	\$14,535.00
Friends of Lakeside Laboratory	\$28,000.00	\$28,000.00
EOLIC	\$50,000.00	\$50,000.00
NTPPOA	\$100,000.00	\$0.00
Milford Munciple Utilities	\$1,310.00	\$0.00
Dickinson SWCD	\$33,000.00	\$33,000.00
Totals	\$229,845	\$128,535

In the twentieth year of the Commission there was 606,260 dollars requested for worthy projects in the watersheds of Dickinson County. Traditionally the commission has not had enough money to provide for the number and dollar amount of applicants but this year because of a partnership with the Iowa DNR we were able to fund ½ of the requests. The grants that were accepted also brought in \$305,000 thousand dollars in matching funds. That amount of dollars spent versus the amount of matching dollars is 2:1 of matching funds for every one dollar spent by the Commission. With the WQC’s partnership with the Iowa Department of Natural Resources, Lake Restoration Program (LRP) in which they contributed to projects they deemed important and that fit their criteria. The Water Quality Commission provided \$200,000 dollars and LRP contributed \$105,000 dollars toward projects that ranked high in the process.



DICKINSON COUNTY WATER QUALITY COMMISSION

Year Twenty-one, Fiscal Year 2023 Project Descriptions

SLPIA

\$3,000

The diagnostic feasibility study, which was completed 2 years ago clearly showed low hanging fruit that would provide immediate success as being shoreline protection. This grant seeks to help fund shoreline protection on private shorelines.

Friends of Lakeside Laboratory

\$28,000

This project seeks to continue water quality monitoring efforts along with data analysis and public reporting on issues and actions to protect the lakes for the long-term. Project includes water quality monitoring of tributaries, groundwater monitoring, focused lake monitoring to determine the sources of E. coli and blue-green algae toxins that resulted in beach advisories in 2022 and Eurasian Watermilfoil monitoring in Miller's Bay. Lastly, an information campaign will highlight actions to prevent IAS and improve water quality.

EOLIC

\$50,000

With the rise of Aquatic Invasive Species (AIS) in the county lakes it has become apparent that instead of the reactive approach that we have taken a more proactive approach is needed. This grant is an attempt to develop a quick reaction fund that can be used to immediately treat and destroy any small areas that become infested with aquatic invasive species and to help raise funds for larger infected treatment areas.

Lakewood Parks Association

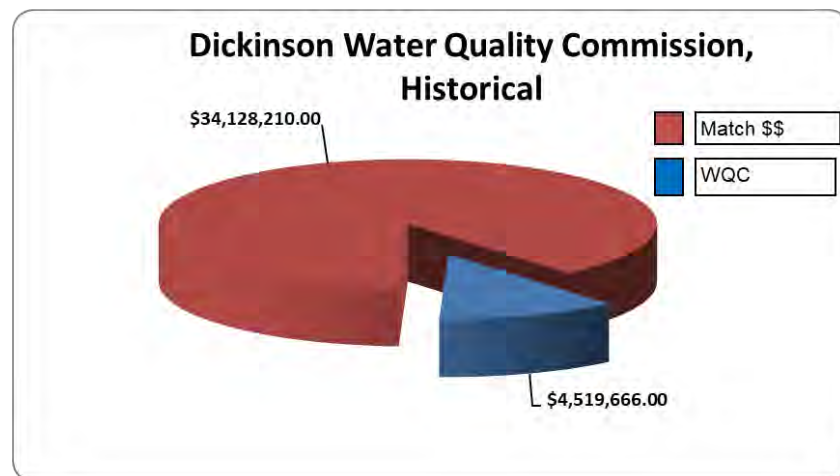
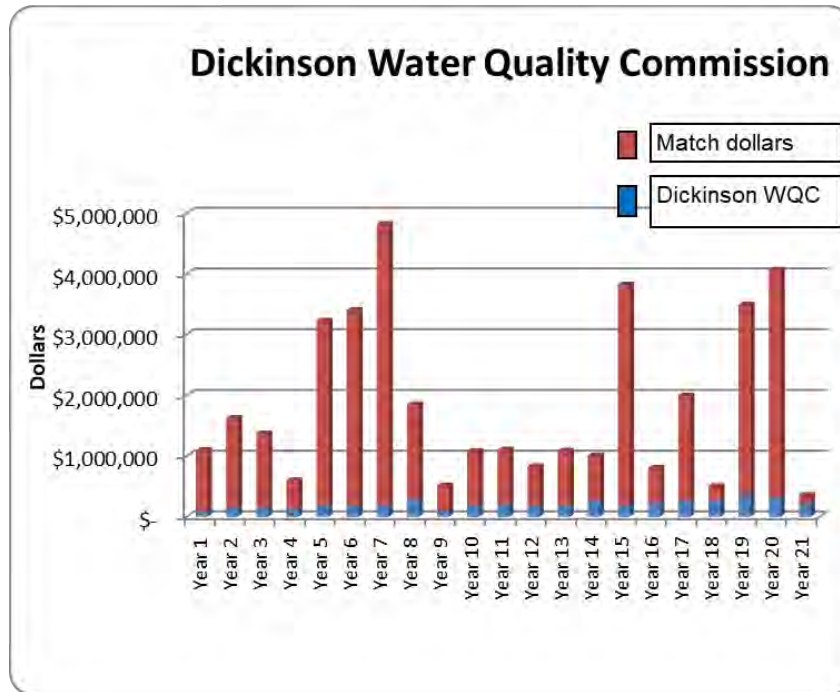
\$14,535

Stabilize Northern Shoreline of Turtle Lake with Riprap, native grasses, and plants to reduce silting into the lake, improve water filtration and promote wildlife reproduction and development. The lake's ability to support fish, frogs, turtles, wildlife, and recreation is declining. Sediment has reduced the lake depth to less than 3 feet in many areas diminishing the habitat for wildlife, fish reproduction and public recreational use of kayaks, paddle boards and canoes.

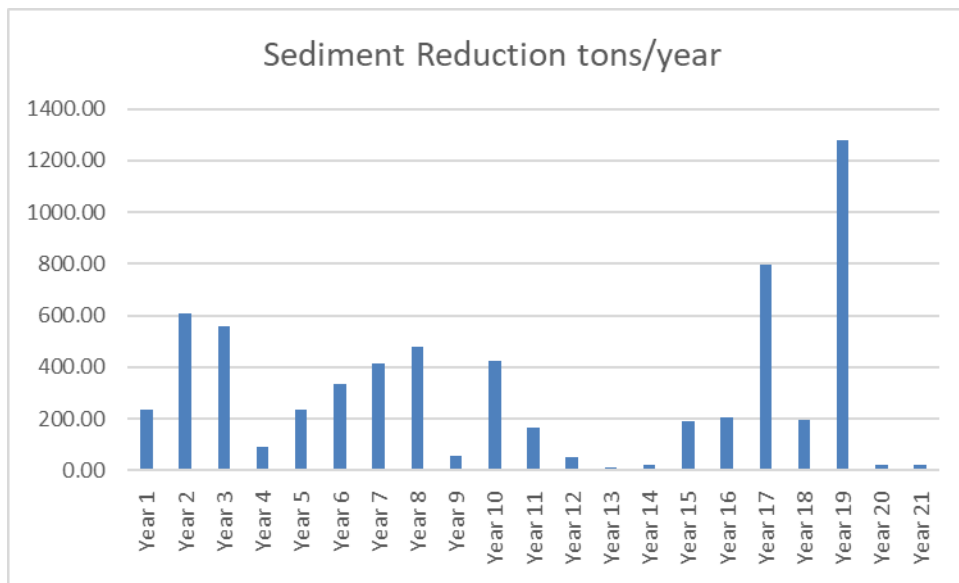
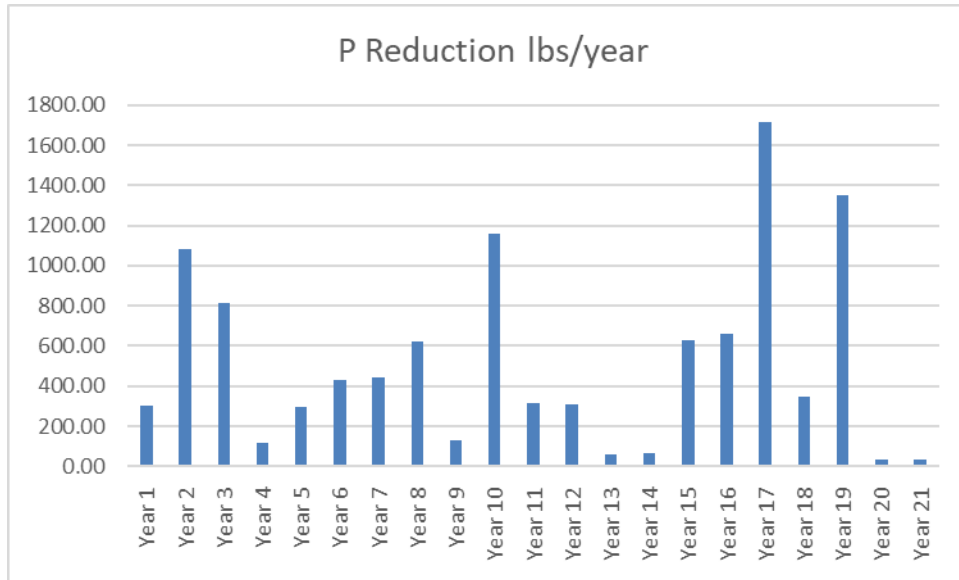
DICKINSON COUNTY WATER QUALITY COMMISSION

Summary of Water Quality Commission Applications Year One through Today:

The Dickinson County Water Quality Commission has been very efficient in how it allocates and obligates the money that is entrusted to it. Using a very well thought out scoring system we can rank project applications based on the criteria that was used during the initiation of the Commission. By using the scoring criteria, the Commission can excel at its goals and produce results that are well beyond the scope that was originally sought.



DICKINSON COUNTY WATER QUALITY COMMISSION



BYLAWS OF DICKINSON COUNTY WATER QUALITY COMMISSION

The following Bylaws, approved by vote of the Commission on September 18, 2001, shall together with the 28E Agreement executed effective the 1st day of July, 2001 (the 28E Agreement) govern the operation of the Dickinson County Commission.

ARTICLE I. FINANCE

The Dickinson County Board of Supervisors shall establish in the office of the County Auditor a Commission Trust Fund. The fund shall be for the purpose of providing funds to perform or accomplish water quality activities as defined by the 28E Agreement.

1. All funds of the Commission trust account remaining at the end of the fiscal year shall carry over into the next fiscal year as reserve funds, encumbered funds or for general expenditure.
2. Any reimbursement, matching funds, or money received, or monies obtained from any source whatever shall be deposited in the Trust Fund. Withdrawals of money for the Commission shall be made on warrants drawn by the Dickinson County Auditor and supported by claims signed by any two of the Chair, Vice Chair, Secretary, or the Treasurer.

During the third quarter of each fiscal year, the Dickinson County Water Quality Commission shall consider a budget for the Commission for the ensuing fiscal year and shall propose and adopt a budget not later than March 31.

ARTICLE II. RULES OF CONDUCT

Procedural Rules. Other than those rules stated in this document, the business meetings of the Commission shall be governed by Robert's Rules of Order.

Meetings. The Commission shall meet not less than twice per year to elect officers, consider, and adopt a budget and carry on the business of the Commission. Notice of all meetings shall be in writing, state the place, date and hour of the meeting and shall be sent by ordinary mail or electronic methods, not less than ten (10) days before the date of the meeting. If the annual meeting falls on a holiday, the meeting shall be continued without the necessity of further action to the same day the following week.

Voting and Quorum. Each member of the Commission is entitled to one vote, and a quorum shall consist of a majority of all members of the Commission. Except as provided in Article IV, a majority of the quorum present, shall be sufficient to pass all motions, resolutions or other matters proposed. Telephonic voting shall be permitted as long as those Commissioners using the telephone can here all conversation and information being supplied. If a quorum is not present, a majority of those present may continue the meeting to a later date. Commissioners are encouraged to avoid conflicts of interest. Commissioners should consult with the attorney

DICKINSON COUNTY WATER QUALITY COMMISSION

for the government they represent to determine the existence of a conflict of interest and the proper course of action to take, including but not limited to, refraining from voting.

ARTICLE III. OFFICERS

Officers. The Commission may elect a Chairperson, Vice Chairperson, Secretary and a Treasurer. Such other officers and assistant officers as may be deemed necessary may be elected by the Commissioners.

Election and Term of Office. The officers of the Commission shall be elected annually by the Commissioners at the annual meeting of the Commissioners. If the election of officers shall not be held at such meeting, such election shall be held as soon thereafter as conveniently may be. Each officer shall hold office until his successor shall have been duly elected and shall have qualified or until his death or until he shall resign or shall have been removed in the manner hereinafter provided.

Removal. Any officer may be removed by the Commissioners whenever in their judgment the best interests of the Commission will be served thereby.

Vacancies. A vacancy in any office because of death, resignation, removal, disqualification or otherwise, may be filled by the Commissioners for the unexpired portion of the term.

Chairperson. The Chairperson shall be the principal officer of the Commission. Subject to the control of the Commissioners, he shall in general supervise and control all of the business and affairs of the Commission and shall perform all duties incident to the office of Chairperson and such other duties as may be prescribed by the Commissioners from time to time. He shall conduct all meetings of the Commission and serve as Chairperson thereof.

Vice-Chairperson. In the absence of the Chairperson or in the event of his death, inability or refusal to act, the Vice Chairperson shall perform the duties of the Chairperson. When so acting, he shall have all the powers of and be subject to all the restrictions upon the Chairperson. The Vice Chairperson shall perform such other duties as from time to time may be assigned to him by the Chairperson or by the Commissioners.

Secretary. The secretary shall keep the minutes of the Commissioners' meetings in one or more books provided for that purpose; see that all notices are duly given in accordance with the provisions of these bylaws or as required; be custodian of the records and keep a register of the post office address of each commissioner which shall be furnished to the secretary by such Commissioner; and in general perform all duties incident to the office of secretary and such other duties as from time to time may be assigned to him by the Chair Person or by the Commissioners. The secretary can appoint an assistant secretary whose duties it will be to assist the Secretary.

Treasurer. The treasurer shall prepare the budget for the Commission and coordinate with the Dickinson County Auditor the receipt and disbursement of Commission funds; and in general,

perform all of the duties incident to the office of treasurer and such other duties as from time to time may be assigned to him by the Chair Person.

ARTICLE IV. MULTIPLE YEAR COMMITMENTS

The Commission may provide in its budget for multiple year projects and commit the Commission to multiple years funding of water quality activities provided, however, that the commissioner's commitments for any multiple year item shall not exceed three fiscal years. This Article IV of these bylaws may not be changed, amended, altered, repealed, or excluded from any new bylaws without the unanimous agreement of all the Commissioners and of all of the parties to the 28E Agreement.

ARTICLE V. AMENDMENTS

Except as provided in Article IV, these bylaws may be altered, amended, or repealed in whole or in part, or new bylaws may be adopted by the affirmative vote of the majority of the Commissioners then in office at any regular or special meeting of the Commissioners, provided such notice of intention has been set out in the notice of such meeting. However, no such notice shall be required to have been given if all Commissioners then in office shall unanimously vote in favor of any such amendment, alteration, or repeal.

Secretary

28E Agreement for the Water Quality District

**28E AGREEMENT
WATER QUALITY DISTRICT**

This Agreement is effective on this 1st day of July, 2001, by and between Dickinson County, Iowa, and the Cities of Milford, Spirit Lake, Arnolds Park, Lake Park, Okoboji, Orleans, Superior, Terril, Wahpeton, West Okoboji, Dickinson County, Iowa, and will remain in force and effect until June 30, 2009. Said agreement will automatically renew for two-year periods thereafter unless terminated as hereinafter set forth. The County and Cities shall collectively be referred to as "Parties".

WHEREAS, all Parties are public entities organized and existing under the laws of the State of Iowa; and

WHEREAS, the Parties believe that an agreement pursuant to Chapter 28E of the Iowa Code should be entered into to create a joint Commission to provide a funding source to preserve, protect and improve the water quality in Dickinson County, Iowa.

NOW, THEREFORE, IN CONSIDERATION OF THE PROMISES AND MUTUAL COVENANTS AND AGREEMENTS HEREIN CONTAINED, IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES AS FOLLOWS:

1. Purpose. The purpose of this agreement is to create a joint Commission herein referred to as the Commission to provide a permanent, reliable, fair, significant source of funding to preserve, improve, protect and promote the quality of the water in the lakes located in Dickinson County, Iowa.

2. Powers and Privileges. The funds created by this agreement shall be used for the following:

a. To provide funds to perform or accomplish water quality activities. Water quality activities includes, but is not limited to, public education and public awareness and information dissemination, creation or maintenance of grass water ways or wetlands, erection and maintenance of storm water run off facilities, dredging, bank stabilization, water treatment, water monitoring, water shed protection, activities to abate and remove invasive species, activities on land outside the County

DICKINSON COUNTY WATER QUALITY COMMISSION

which affect water quality of the lakes inside the County, urban and agricultural, Best Management Practices, and any other activity which will improve, protect or enhance the quality of all water in the lakes located in Dickinson County. The Commission is authorized and encouraged to seek input from the Clean Water Alliance in prioritizing water quality activities to be funded.

b. To provide funding for emergency water quality activities. Emergency water quality activities shall include but not be limited to water treatment, water monitoring, spill containment, activities to abate, contain and remove invasive species and other like activities which are in response to an emergency such as a toxic or other chemical spill or threat of invasive species.

The Commission created by this agreement shall have the power to sue and be sued, to contract and expend funds for the purposes above. The Commission shall maintain insurance to protect the Commission from any potential liability. It shall have the power to establish a budget and call on the Parties to contribute funds to the budget in accordance with and in the proportions established herein. The Commission shall not have the power to own real estate and/or personal property, levy taxes or exercise police or other like powers.

3. Organization. No separate legal or administrative entity is or will be created by this agreement. The Commission created by this agreement shall be known as the Dickinson County Water Quality Commission. The Commissioners shall serve without compensation, represent and be appointed by the Parties. The Commission Members serve at the will of the Party appointing the Commissioner and a Commissioner may be recalled at any time and a new Commissioner appointed to fill the unexpired term. The Commission Members shall be appointed by the Parties as follows:

Dickinson County	Three (3) members
Spirit Lake	Two (2) members
Milford	Two (2) members
Arnolds Park	Two (2) members
Okoboji	Two (2) members
West Okoboji	One (1) member
Terril	One (1) member
Lake Park	One (1) member

DICKINSON COUNTY WATER QUALITY COMMISSION

Orleans	One (1) member
Superior	One (1) member
Wahpeton	Two (2) member

Commission meetings shall be on notice, open to the public and comply with the Iowa open meeting laws. The term of office for each Commissioner unless sooner recalled shall be three years and Commissioners may be re-appointed. Commission Members shall be deemed public employees performing a governmental function and as such be entitled to applicable governmental immunity.

The annual meeting of the Commissioners shall be held on the first Monday in the month of September each year, beginning with the year 2001, for the purpose of the transaction of such business as may come before the meeting. Commission Members may provide, by resolution, the time and place for the holding of regular meetings. Special meetings of the Commission may be called by or at the request of any one of the Parties or the Commissioners Members.

The business and affairs of the Commission shall be managed by the Commission Members. Commission Members may adopt such rules and regulations for the conduct of their meetings and the management of the Commission, as they may deem proper, not inconsistent with this agreement and the laws of this State. They may adopt By-laws, appoint officers and/or executive committees, may appoint standing committees and may do all things necessary and proper for the proper conduct of their responsibilities.

4. Area Served. The area served is Dickinson County and for purpose of this agreement shall be referred to as the "Water Quality District".

5. Finance and Budget. The Commission Members shall prepare a budget each year. The budget shall be for the fiscal year beginning July 1 and ending June 30. The budget may contain multiple year items and commit the Commission to multiple year funding of water quality activities. The maximum annual budget amount shall not exceed in the first year \$100,000 and may increase or decrease thereafter, as determined annually by the Commission Members, but in all events may not exceed annually \$200,000 unless agreed to by all of the Commissioners. The funds shall be held, administered, invested and disbursed by the Dickinson County Auditor. The expenses and costs of providing the necessary funds for the Water Quality District shall be paid as follows:

Milford	6.5%
Spirit Lake	14.0%
Arnolds Park	7.4%

DICKINSON COUNTY WATER QUALITY COMMISSION

Orleans	One (1) member
Superior	One (1) member
Wahpeton	Two (2) member

Commission meetings shall be on notice, open to the public and comply with the Iowa open meeting laws. The term of office for each Commissioner unless sooner recalled shall be three years and Commissioners may be re-appointed. Commission Members shall be deemed public employees performing a governmental function and as such be entitled to applicable governmental immunity.

The annual meeting of the Commissioners shall be held on the first Monday in the month of September each year, beginning with the year 2001, for the purpose of the transaction of such business as may come before the meeting. Commission Members may provide, by resolution, the time and place for the holding of regular meetings. Special meetings of the Commission may be called by or at the request of any one of the Parties or the Commissioners Members.

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Spirit Lake	14.0%
Arnolds Park	7.4%

DICKINSON COUNTY WATER QUALITY COMMISSION

Lake Park	2.1%
Okoboji	11.5%
Orleans	3.3%
Superior	.7%
Terril	.5%
Wahpeton	8.0%
West Okoboji	3.8%
Dickinson County	42.3%
Totals	100.0%

6. Withdrawal/Termination. In the event any Party to this agreement desires to terminate the same, a written notice of such desire shall be given to the other Parties. If a majority of the Commissioners agree then the termination shall be completed by the end of the next fiscal year after the fiscal year in which the notice is given. In the event the Commission has made at the time of termination multiple year funding commitments, those commitments will not be terminated and will continue to be funded until fulfilled. On termination, any funds not spent or committed shall be returned to the Parties in accordance with the contribution formula.

In the event any party to this agreement desires to withdraw from the agreement, a written notice (the withdrawal notice) shall be given by it to the other parties. Prior to giving the withdrawal notice the party desiring to withdraw shall give three months' notice to the Commission and the other parties of its intention to withdraw outlining the reasons therefore and provide an opportunity to resolve any issues, hold public hearings and adopt appropriate resolutions with the same formality as required to enter into this agreement. Any such withdrawal shall not be effective until the end of the next fiscal year after the fiscal year in which the withdrawal notice is given. In the event the Commission has made, at the time of the giving of the withdrawal notice, multiple year funding commitments, the party desiring to withdraw will not be released from the obligation to fund those commitments and those multi-year commitments will continue to be funded until fulfilled.

In the event a party withdraws, the other parties may continue the agreement under such terms as shall be agreed upon. In the event a party withdraws and the other parties cannot agree on terms for continuation, the district shall be terminated after fulfilling it's existing funding commitments.

DICKINSON COUNTY WATER QUALITY COMMISSION

7. Reports. The Commission Members shall provide to the Parties, an annual report of all activities of the previous fiscal year.

8. Amendments. As required by Section 28E(8) Iowa Code (2001), this agreement before going into effect, must be filed with the Secretary of State and be recorded with the County Recorder of Dickinson County, Iowa. Any amendment changing (a) the proportion of a Parties' contribution to the budget, (b) the maximum annual budget amount, or (c) the right of a party to withdraw, before adoption must be approved by all of the Parties to the agreement. All other amendments require majority of the Parties. An amendment shall be required to add any other entity as a party to this agreement. Any duly adopted amendments to this agreement shall be filed in the same manner as the original agreement.

9. Arbitration. In the event a dispute arises out of or relating to this Agreement, such dispute shall be submitted to binding arbitration and decided by an arbitrator satisfactory to the parties. The cost of arbitration shall be shared equally between the parties.

10. Notices. Any notice under this Agreement shall be in writing and shall be deemed to be given when deposited in the United States Post Office.

Notices to Arnolds Park shall be addressed to the City Council and sent % of the City Administrator, City of Arnolds Park, Iowa.

Notices to Spirit Lake shall be addressed to the City Council and sent % of the City Administrator, City of Spirit Lake, Iowa.

Notices to Milford shall be addressed to the City Council and sent % of the City Administrator, City of Milford, Iowa.

Notices to Lake Park shall be addressed to the City Council and sent % of the City Administrator, City of Lake Park, Iowa.

Notices to Superior shall be addressed to the City Council and sent % of the City Administrator, City of Superior, Iowa.

Notices to Terril shall be addressed to the City Council and sent % of the City Administrator, City of Terril, Iowa.

Notices to Orleans shall be addressed to the City Council and sent % of the City Administrator, City of Orleans, Iowa.

DICKINSON COUNTY WATER QUALITY COMMISSION

Notices to Okoboji shall be addressed to the City Council and sent % of the City Administrator, City of Okoboji, Iowa.

Notices to West Okoboji shall be addressed to the City Council and sent % of the City Administrator, City of West Okoboji, Iowa.

Notices to Wahpeton shall be addressed to the City Council and sent % of the City Administrator, City of Wahpeton, Iowa.

Notices to Dickinson County shall be addressed to the Commission of Supervisors and sent % of the Dickinson County Auditor, Spirit Lake, Iowa.

Notices to Superior shall be addressed to the City Council and sent % of the City Administrator, City of Superior, Iowa.

IN WITNESS WHEREOF, the parties have caused this instrument to be executed by their respective officers, pursuant to the full authority granted and given as of the day and year first above written.

City of Milford

By Virgil Roehlma
Mayor

By Eric Lamb
Clerk

City of Spirit Lake

By Eric Nelson
Mayor

By Peter Hagan
Clerk

City of Arnolds Park

By Arnold DeL...
Mayor

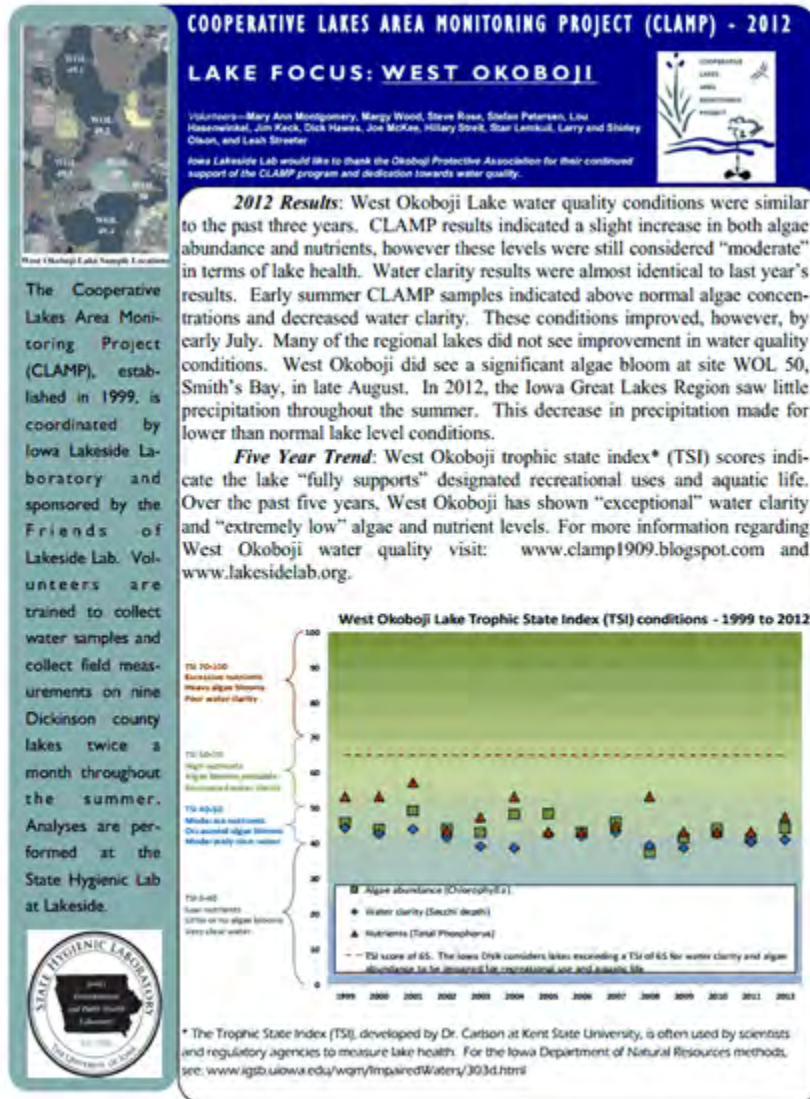
By Frank
Clerk

DICKINSON COUNTY WATER QUALITY COMMISSION

Chronological Index of Before, During, and After Pictures

(when available) of Projects Completed and listed in this Handbook.

Year 1



Water Monitoring In Dickinson County, CLAMP Monitoring

DICKINSON COUNTY WATER QUALITY COMMISSION

Year 2



Larry Wilson Area of Spring Run Complex, Jaquith Trust Acquisition



Conservation Easement Funds, 1st Lutheran Easement



Underground Tile Intakes

Year 3



Iowa Great Lakes LID Development Project, Lutheran Church Camp Rain Garden



Demonstration LID Parking Lot, Historic Arnolds Park



Demonstration Parking Lot, Historic Arnolds Park

DICKINSON COUNTY WATER QUALITY COMMISSION

Year 4



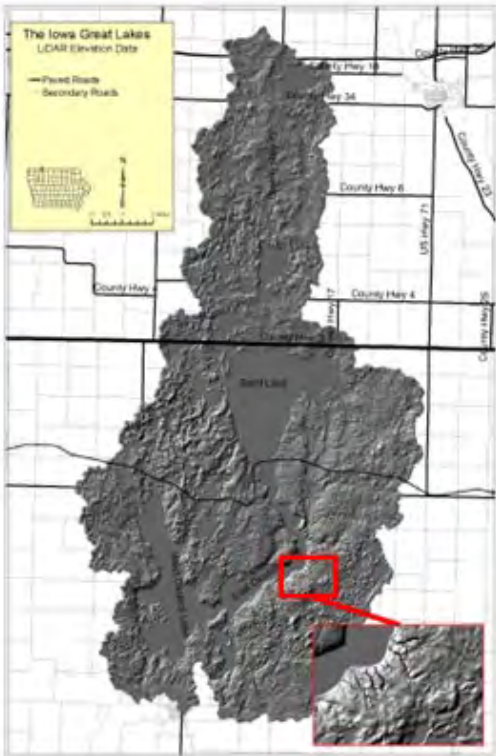
319 Urban Demonstration Sites, Historic Arnolds Park



319 Urban Demonstration Site, Arnolds Park Ball Park



319 Urban Demonstration Sites, Triggs Resort



IGL Watershed LiDAR

DICKINSON COUNTY WATER QUALITY COMMISSION

Year 5



Yarnes Acquisition



11th Street Bio-Cell



Yarnes Acquisition, Spirit Lake Bulrush Bed



Commercial District Storm Drainage

Dickinson Soil and Water Conservation District

Dickinson County Clean Water Alliance

The Iowa Great Lakes Watershed Management Plan

DNR  



East Okoboji Sunset (David)

Water Quality Management Plan for the Iowa Great Lakes Watershed

Year 7



Iowa Great Lakes Watershed Protection Project

East Okoboji Beach Drainage & Roadway Construction



Iowa Great Lakes Watershed Management Plan Implementation

DICKINSON COUNTY WATER QUALITY COMMISSION

Year 8



East Lake Okoboji Improvement Corporation



East Lake Okoboji Improvement Corporation



East Okoboji Beach Homeowners Association



Iowa Department of Natural Resources,
Okoboji View Golf Course



Center Lake Improvement and Protective Association



Dickinson Soil and Water Conservation District, Rain Garden



Dickinson Soil and Water Conservation District, Rain Garden



Dickinson Soil and Water Conservation District, Pervious Pavers



Dickinson Soil and Water Conservation District Lakeshore Restoration



Dickinson Soil and Water Conservation District Lakeshore Restoration

DICKINSON COUNTY WATER QUALITY COMMISSION

Year 9



Iowa Natural Heritage Foundation, Okoboji View Project



East Lake Okoboji Improvement Corporation, 9th Street Bio-Cell



Ducks Unlimited, Marble/Hottes Lakes Renovation



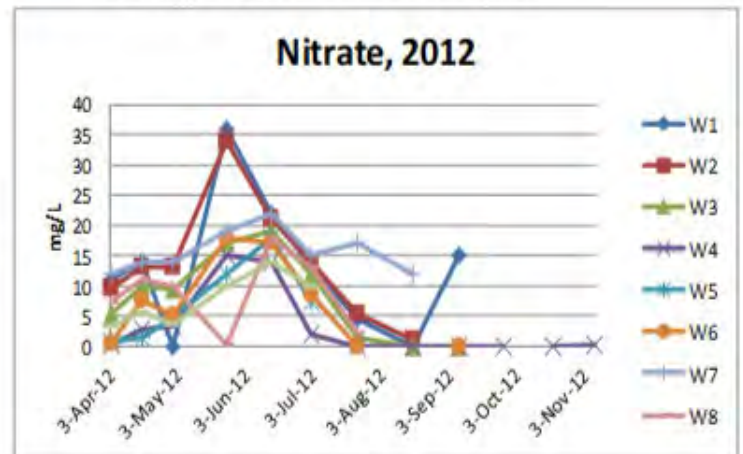
STOP AQUATIC HITCHHIKERS!

Prevent the transport of nuisance species.
Clean all recreational equipment.
www.ProtectYourWaters.net

When you leave a body of water:

- Remove any visible mud, plants, fish or animals before transporting equipment.
- Eliminate water from equipment before transporting.
- Clean and dry anything that comes into contact with water (boats, trailers, equipment, clothing, dogs, etc.).
- Never release plants, fish or animals into a body of water unless they came out of that body of water.

Okoboji Protective Association, AIS

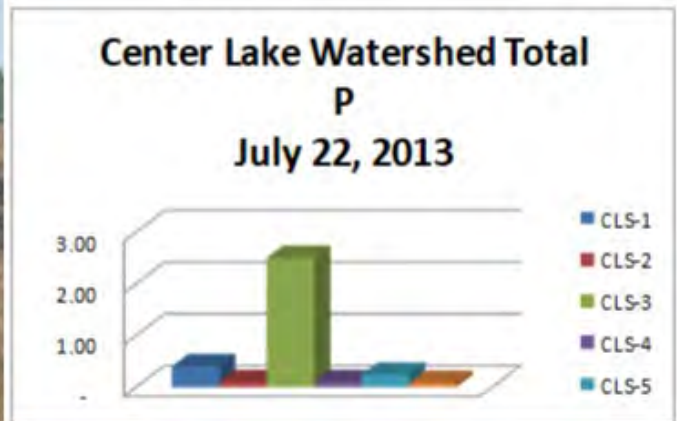


Silver Lake Park Improvement Association, Water Monitoring

Year 10



Iowa Natural Heritage Foundation, Okoboji View Golf Course



Dickinson SWCD, Center Lake Monitoring



STOP AQUATIC HITCHHIKERS!

Prevent the transport of nuisance species.
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- Never release plants, fish or animals into a body of water unless they came out of that body of water.

OPA, AIS



Arthur Heights Homeowner Association

Year 11



Echo Beach Park Dock Owner's Association



Dickinson SWCD, LID — Abby Gardner Bio-cell

DICKINSON COUNTY WATER QUALITY COMMISSION

Year 12



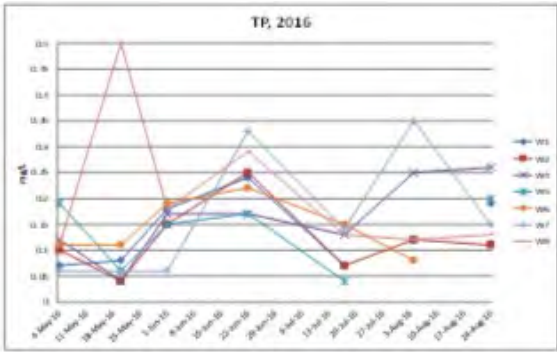
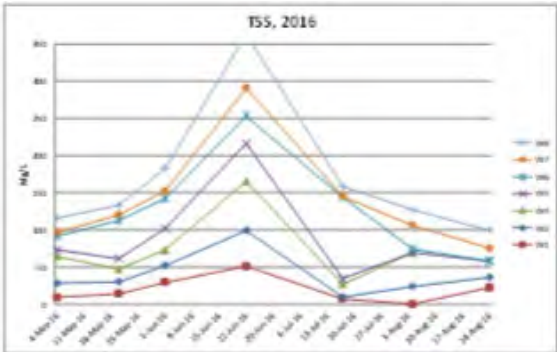
INHF — Okoboji View



EOLIC — Spirit Lake LID, East 19th St.

DICKINSON COUNTY WATER QUALITY COMMISSION

Year 13



Silver Lake Park Improvement Association, Watershed Sampling



Dickinson SWCD — Center Lake Shoreline Work



Ducks Unlimited — Marble/Hottes Lake Renovation



Lakeside Lab — GLEON Buoy

DICKINSON COUNTY WATER QUALITY COMMISSION

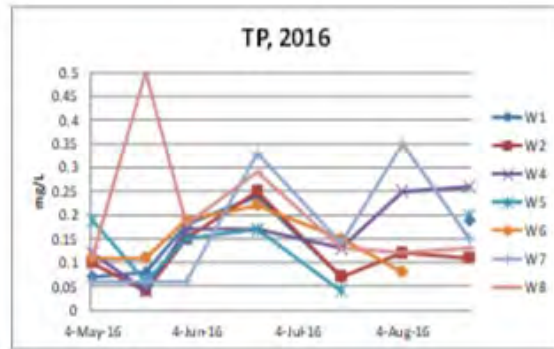
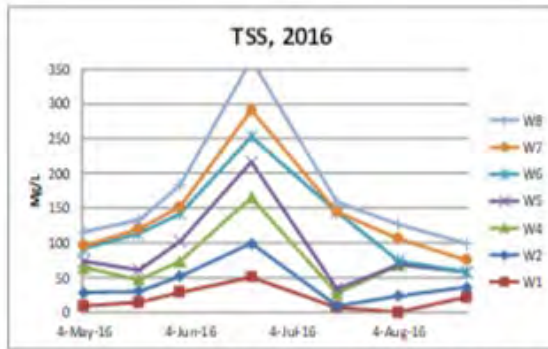
Year 14



SPLA — Reeds Run Acquisition



Ducks Unlimited — Little Swan Lake Renovation



SLPIA — Silver Lake Watershed Monitoring



SLPIA — Project

DICKINSON COUNTY WATER QUALITY COMMISSION

Year 15



Little Swan Lake Restoration



Center Lake Fish Barrier



Hidden Intake

Year 17



Arnolds Park Amusement Park LID Installation



Arnolds Park Amusement Park LID Installation



Shoreline Restoration and Protection with Native grasses and flowers



Year 18



Wetland Restoration and planting

Year 19



Protection and Restoration of Anglers Bay Oak Savannah



Francis Sites Stormwater Wetland



Restoration of Island on East Okoboji Lake

Year 20



Francis Sites Stormwater Wetland Sign



Francis Sites Stormwater Wetland

Year 21



Shoreline Restoration and Protection



Blackrock Acquisition and Dedication

Year 22