

Iowa Great Lakes – Center Lake

WIRB ID: 1228-013

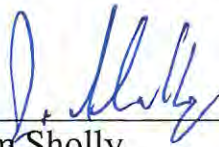
Comprehensive Final Report

July 1, 2013 to August 31, 2015

Dickinson Soil and Water Conservation District

Reporting Individual: Jim Sholly
Reporting Period: July 1, 2013 to August 31, 2015
Date Prepared: July 9, 2015

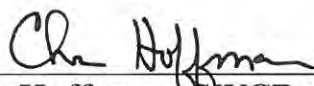
Preparer's Signature:



Jim Sholly

Date: 7-9-15

SWCD Chairperson's Signature:



Chris Hoffman – SWCD Chair

Date: 7/09/2015

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OBJECTIVE 1. Administer the IGL – Center Lake Project to ensure all objectives and activities planned are implemented.

Goals:

A. Submit progress reports, annual project reports and final report

ACTION ITEMS

1. Have progress reports prepared and submitted to the WIRB by 15th of the month following the end of the reporting period.

Responsible person:	Start Date:	End Date:	%Completion:
A. Hase	06/2013	12/2013	0%
J. Wills	01/2014	10/2014	0%
J. Sholly	11/2014	08/2015	50%

Remarks:

- No record of July – December 2013 progress report ever being prepared or submitted.
- No record of January – June 2014 progress report ever being prepared or submitted.
- July – December 2014 report prepared and submitted after new coordinator was notified of reporting requirements.
- January – July 2015 report included in final report.

Progress Report Check off

Quarter	Jul-Dec 2013	Jan-Jun 2014	Jul-Dec 2014	Jan-Jul 2015
Date Submitted	None submitted	July 31, 2015	March 19, 2015	July 9, 2015

2. Submit annual reports to the WIRB by January 15, 2014 and January 15, 2015.

Responsible person:	Start:	End:	% Completion:
J. Wills	11/2013	01/2014	0%
J. Sholly	11/2014	01/2015	50%

Remarks:

- 2013 – no record of annual report being prepared or submitted
- 2014 annual report submitted to the WIRB on December 23, 2014

3. Submit final comprehensive project report by August 31, 2015.

Responsible person:	Start:	End:	% Completion:
J. Sholly	6/2015	8/2015	100%

Remarks:

- Final report prepared and submitted on July 9, 2015

B. Obtain needed training for project manager and committee members.

ACTION ITEMS

1. Attend WIRB-sponsored new project manager training.

Responsible person:	Start:	End:	% Completion:
A. Hase	06/2013	12/2013	Unknown
J. Wills	01/2014	10/2014	Unknown
J. Sholly	11/2014	08/2015	0%

Remarks:

2013Jul-Dec:

2014Jan-Jun:

2014Jul-Dec:

2015Jan-Jun:

2. Receive training from DSC Regional Coordinator on the Sediment Delivery Calculator.

Responsible person:	Start:	End:	% Completion:
A. Hase	06/2013	12/2013	Unknown
J. Wills	12/2013	10/2014	Unknown
J. Sholly	10/2014	08/2015	33%

Remarks:

2013Jul-Dec:

2014Jan-Jun:

2014Jul-Dec:

- J. Sholly attended Pollution Reduction Calculator training – October 7, 2014

2015Jan-Jun:

C. Manage the project to maintain quality control and to maximize communication with, and involvement of, local advisors and state and local staff of participating agencies.

ACTION ITEMS

1. Report monthly progress to Dickinson SWCD commissioners during monthly meetings.

Responsible person:	Start:	End	% Completion:
A. Hase	06/2013	12/2013	Unknown
J. Wills	12/2013	10/2014	Unknown
J. Sholly	10/2014	08/2015	100%

Remarks:

2008Jan-Jun:

2008Jul-Dec:

2009Jan-Jun:

- All monthly meetings attended by J. Sholly since hire date in October 2014

2009Jul-Dec:

- All monthly meetings attended and written report submitted.

2. Meet with the advisory committee quarterly to discuss project status, discuss the advancement of the project and to establish priorities for water quality practices.

Responsible person:	Start:	End	% Completion:
A. Hase	06/2013	12/2013	Unknown
J. Wills	12/2013	10/2014	Unknown
J. Sholly	10/2014	08/2015	25%

Remarks:

2013Jul-Dec:

2014Jan-Jun:

2014Jul-Dec:

- Met twice to discuss current and future projects. Established a series of projects for the next 3-10 years that would greatly benefit water quality in the Iowa Great Lakes.

2015Jan-Jun:

- Met with technical advisory committee to discuss project progress and set priorities for summer 2015.

3. Review the Plan of Work monthly and add remarks as needed.

Responsible person:	Start:	End	% Completion:
A. Hase	06/2013	12/2013	0%
J. Wills	12/2013	10/2014	0%
J. Sholly	10/2014	08/2015	25%

Remarks:

2013Jul-Dec:

2014Jan-Jun:

2014Jul-Dec:

2015Jan-Jun:

- Plan of work for grant developed March 2015.

OBJECTIVE 2. Construct seven low impact development structures to capture runoff from urban areas where impervious surface area is approximately 90%.

Goals:

A. Work with landowners of potential structure sites that would provide high environmental benefit to construct seven structures.

ACTION ITEMS

1. Complete field visits with ten landowners to discuss where practices could be considered.

Responsible person:	Start:	End	% Completion:
A. Hase	06/2013	12/2013	50%
J. Wills	12/2013	10/2014	100%
J. Sholly	10/2014	08/2015	Completed

Remarks:

2013Jul-Dec:

- Practice sites selected

2014Jan-Jun:

2014Jul-Dec:

2015Jan-Jun:

2. Survey, design and develop cost estimates for landowners expressing an interest in these structures

Responsible person:	Start:	End	% Completion:
A. Hase	06/2013	12/2013	100%
J. Wills	12/2013	10/2014	Completed
J. Sholly	10/2014	08/2015	Completed

Remarks:

2013Jul-Dec:

- Anand Hase and Derek Namanny worked with landowners to sign maintenance agreements for City of Spirit Lake.

2014Jan-Jun:

2014Jul-Dec:

2015Jan-Jun:

3. Layout sites scheduled for construction

Responsible person:	Start:	End	% Completion:
A. Hase	06/2013	12/2013	100%
J. Wills	12/2013	10/2014	Completed
J. Sholly	10/2014	08/2015	Completed

Remarks:

2013Jul-Dec:

- Sites selected prior to grant approval.

2014Jan-Jun:

2014Jul-Dec:

2015Jan-Jun:

4. Supervise construction of the structures and certify completion of the structures

Responsible person:	Start:	End	% Completion:
A. Hase	06/2013	12/2013	0%
J. Wills	12/2013	10/2014	90%
J. Sholly	10/2014	08/2015	

Remarks:

2013Jul-Dec:2014Jan-Jun:

- 1 shoreline stabilization project constructed and certified.
- 1 pervious paver project constructed
- 10 bio-cells constructed
- 2 bio-swales constructed
- 1 pocket wetland constructed

2014Jul-Dec:

- Pervious pavers, bio-cells, and bio-swales certified complete.

2015Jan-Jun:

- All bills submitted for reimbursement.

5. Complete follow up visits to all construction sites to ensure permanent seeding is established or temporary seeding is completed. This follow up visit will occur 30 days after final survey checkout.

Responsible person:	Start:	End	% Completion:
A. Hase	06/2013	12/2013	0%
J. Wills	12/2013	10/2014	100%
J. Sholly	10/2014	08/2015	Completed

Remarks:

2013Jul-Dec:2014Jan-Jun:2014Jul-Dec:

- All practices checked out as constructed and functioning by J. Wills.

2015Jan-Jun:

OBJECTIVE 3. Reduce pollutant delivery to Center Lake by 18,984 pounds of sediment and 67.1 pounds of phosphorus per year.

Goals:

A. Calculate the pollutant load reductions to Lake Wonderful using the Sediment Delivery Calculator

ACTION ITEMS

1. Calculate sediment delivery for each structure applied in the watershed

Responsible person:	Start:	End	% Completion:
A. Hase	06/2013	12/2013	0%
J. Wills	12/2013	10/2014	100%
J. Sholly	10/2014	08/2015	Completed

Remarks:

2013Jul-Dec:

2014Jan-Jun:

2014Jul-Dec:

- All practices entered into online Pollution Reduction Calculator.

2015Jan-Jun:

2. Calculate phosphorus delivery for each structure applied in the watershed

Responsible person:	Start:	End	% Completion:
A. Hase	06/2013	12/2013	0%
J. Wills	12/2013	10/2014	100%
J. Sholly	10/2014	08/2015	Completed

Remarks:

2013Jul-Dec:

2014Jan-Jun:

2014Jul-Dec:

- All practices entered into online Pollution Reduction Calculator

2015Jan-Jun:

3. Calculate other pollutant delivery reduction for structures where appropriate

Responsible person:	Start:	End	% Completion:
A. Hase	06/2013	12/2013	0%
J. Wills	12/2013	10/2014	100%
J. Sholly	10/2014	08/2015	Completed

Remarks:

2013Jul-Dec:

2014Jan-Jun:

2014Jul-Dec:

- All practices entered into online Pollution Reduction Calculator

2015Jan-Jun:

OBJECTIVE 4. Conduct an information and education program to increase awareness and knowledge of Center Lake water quality issues to watershed residents, lake users, and the local community.

Goals:

A. Keep local media outlets informed of ongoing project activities

ACTION ITEMS

1. Submit seven news releases on project activities.

Responsible person:	Start:	End	% Completion:
A. Hase	06/2013	12/2013	Unknown
J. Wills	12/2013	10/2014	Unknown
J. Sholly	10/2014	08/2015	100%

Remarks:

2013Jul-Dec:

2014Jan-Jun:

2014Jul-Dec:

- Submitted an article in October announcing the hire of a new project coordinator.
- Submitted 4 newsletter articles Nov-Dec about ongoing practices and conservation opportunities.

2015Jan-Jun:

- Submitted 3 newsletter articles about ongoing projects and conservation opportunities.

2. Provide two story leads including photo opportunities with the local newspaper

Responsible person:	Start:	End	% Completion:
A. Hase	06/2013	12/2013	Unknown
J. Wills	12/2013	10/2014	Unknown
J. Sholly	10/2014	08/2015	100%

Remarks:

2013Jul-Dec:

2014Jan-Jun:

2014Jul-Dec:

- Article about filling coordinator position included a head shot of J. Sholly.

2015Jan-Jun:

- Two newspaper interviews and articles written about the outreach event *We Pedal Clean Water* bike ride. Over 100 people participated and learned how they can help promote clean water in the Iowa Great Lakes.

B. Inform watershed residents, lake users, and the local community of project activities and watershed improvements being implemented

ACTION ITEMS

1. Conduct two watershed tours involving project stakeholders and local residents.

<u>Responsible person:</u>	<u>Start:</u>	<u>End</u>	<u>% Completion:</u>
A. Hase	06/2013	12/2013	Unknown
J. Wills	12/2013	10/2014	Unknown
J. Sholly	10/2014	08/2015	0%

Remarks:

2013Jul-Dec:

2014Jan-Jun:

2014Jul-Dec:

2015Jan-Jun:

2. Give a presentation discussing the Center Lake Project and its partnerships at the Center Lake Improvement and Protection Association's annual meeting.

<u>Responsible person:</u>	<u>Start:</u>	<u>End</u>	<u>% Completion:</u>
A. Hase	06/2013	12/2013	Unknown
J. Wills	12/2013	10/2014	Unknown
J. Sholly	10/2014	08/2015	100%

Remarks:

2013Jul-Dec:

2014Jan-Jun:

2014Jul-Dec:

- J. Sholly gave presentation to CLIPA in October about project status.

2015Jan-Jun:

- J. Sholly presented at March CLIPA meeting to outline plan of projects for 2015 and 2016.

Financial Accountability

WIRB Funds

Grant Agreement Budget Line Item	Total Funds Approved (\$)	Total Funds Approved - Amended (\$)	Total Funds Expended (\$)	Available Funds (\$)
Salary & Benefits	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ -
Paver Systems	\$ 75,878.00	\$ 5,000.00	\$ 5,000.00	\$ -
Bio-Cells	\$ 14,122.00	\$ 62,652.84	\$ 62,652.84	\$ -
Bio-Swale	\$ -	\$ 10,000.00	\$ 10,000.00	\$ -
Pocket Wetland	\$ -	\$ 12,347.16	\$ 12,347.16	\$ -
Totals:	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ -

Total Project Funding

Funding Source	Cash		In-Kind		Total	
	Approved Application Budget (\$)	Actual (\$)	Approved Application Budget (\$)	Actual (\$)	Approved Application Budget (\$)	Actual (\$)
WIRB	\$ 100,000.00	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00	\$ 100,000.00
IDNR - 319	\$ 363,273.75	\$ 373,932.82	\$ -	\$ -	\$ 363,273.75	\$ 373,932.82
City of Spirit Lake	\$ 58,500.00	\$ -	\$ -	\$ -	\$ 58,500.00	\$ -
IDNR - Lakes Restoration	\$ 95,283.59	\$ 46,450.16	\$ -	\$ -	\$ 95,283.59	\$ 46,450.16
Water Quality Commission	\$ 45,259.50	\$ 51,008.26	\$ -	\$ -	\$ 45,259.50	\$ 51,008.26
Center Lake Protective Association	\$ 500.00	\$ -	\$ -	\$ -	\$ 500.00	\$ -
Landowners	\$ 58,686.43	\$ 67,677.93	\$ -	\$ -	\$ 58,686.43	\$ 67,677.93
NRCS	\$ -	\$ -	\$ 6,000.00	\$ -	\$ 6,000.00	\$ -
Matching (Cash)	\$ -	\$ 8,338.50	\$ -	\$ -	\$ -	\$ 8,338.50
Other	\$ -	\$ 49,555.53	\$ -	\$ -	\$ -	\$ 49,555.53
Totals:	\$ 721,503.27	\$ 696,963.20	\$ 6,000.00	\$ -	\$ 727,503.27	\$ 696,963.20

Approved Application WIRB %	14%
Actual WIRB %	14%

Program Accountability

Practice or Activity	Unit	Approved Application Goal	Amended Application Goal	Accomplished	Percent Complete
Paver Systems	Number	4	1	1	100%
Bio-Cells	Number	3	9	8	89%
LID Practices	Number	15	0	0	-
Bio-Swales	Number	0	2	2	100%
Pocket Wetland	Number	0	1	1	100%
Professional Services (Eng.)	Number	9	9	0	0%
Shoreline Stabilization (non-WIRB funded)	Square Feet	0	0	365	-
Bio-Cells (non-WIRB funded)	Number	0	0	2	-

Environmental Accountability

Pollution Component	Approved Application Goal	Accomplished	Percent of Goal
Sediment Reduction (tons/yr.)	-	10	-
Nitrogen Reduction (lbs./yr.)	-	106	-
Phosphorous Reduction (lbs./yr.)	63	66	105%