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October 30, 2014
North Dakota Industrial Commission
ATTN: Outdoor Heritage Fund Program
State Capital
Fourteenth Floor
600 East Boulevard Avenue Dept. 405
Bismarck, ND 58505

Dear Outdoor Heritage Fund Advisory Board:

Thank you for this opportunity to apply for grant funds for the bank stability restoration project. This is for a section of bank located along holes 8 and 9 on our public golf course. The river is eroding the bank at a very rapid pace. The Park District will have to look at reconfiguring the golf course if a solution to the bank isn't addressed in the near future.

Our Park Board is looking at finding a solution that will repair the damage that has been done and one that will sustain for the future. We are trying to something that is esthetically pleasing since it is set in our golf course.

Thank you for your consideration of this request. If you have any questions or need further information, please call me at 701-845-3294 or email me at tylerj@vcparcs.com.

Sincerely,

Tyler Jacobson, Director
Valley City Parks & Recreation

Outdoor Heritage Fund Grant Application



The purpose of the North Dakota Outdoor Heritage Fund is to provide funding to state agencies, tribal governments, political subdivisions, and nonprofit organizations to:

Directive A. Provide access to private and public lands for sportsmen, including projects that create fish and wildlife habitat and provide access for sportsmen;

Directive B. Improve, maintain, and restore water quality, soil conditions, plant diversity, animal systems and to support other practices of stewardship to enhance farming and ranching;

Directive C. Develop, enhance, conserve, and restore wildlife and fish habitat on private and public lands; and

Directive D. Conserve natural areas for recreation through the establishment and development of parks and other recreation areas.

Exemptions

Outdoor Heritage Fund grants may not be used to finance the following:

- A. Litigation;
- B. Lobbying activities;
- C. Any activity that would interfere, disrupt, or prevent activities associated with surface coal mining operations; sand, gravel, or scoria extraction activities; oil and gas operations; or other energy facility or infrastructure development;
- D. The acquisition of land or to encumber any land for a term longer than twenty years; or
- E. Projects outside this state or projects that are beyond the scope of defined activities that fulfill the purposes of Chapter 54-17.8 of the North Dakota Century Code

NO CONSIDERATION:

In addition to those specific items in law that are ineligible for funding, in the absence of exceptional circumstances, the following projects will NOT receive consideration for funding:

- Projects that are already completed;
- Projects that are on-going (Phased projects would be considered);
- Staffing;
- Feasibility studies;
- Annual maintenance;
- Paving projects for roads and parking lots;
- Swimming pools;
- Non-permanent equipment (such as tractors, snowmobiles);
- Research;
- Projects where the applicant is not directly involved in the project.

Application Deadline

Applications for the second grant round cycle are due on **November 3, 2014 at 5:00 p.m. CT**. All information, including attachments, must be submitted by that date. See instructions below for submission information.

Instructions

Please download this Word document (available on the Industrial Commission/Outdoor Heritage Fund Program website at <http://www.nd.gov/ndic/outdoor-infopage.htm>) to your computer and provide the information as requested. You are not limited to the spacing provided except in those instances where there is a limit on the number of words. After completing the application, save it and attach it to an e-mail and send it to outdoorheritage@nd.gov or print it and mail it to the address noted in the next paragraph.

Attachments in support of your application may be sent by mail to North Dakota Industrial Commission, ATTN: Outdoor Heritage Fund Program, State Capitol – Fourteenth Floor, 600 East Boulevard Ave. Dept. 405, Bismarck, ND 58505 or by e-mail to outdoorheritage@nd.gov. The application and all attachments must be received or postmarked by the application deadline. You will be sent a confirmation by e-mail of receipt of your application.

You may submit your application at any time prior to the application deadline. Early submission is appreciated and encouraged to allow adequate time to review your application and ensure that all required information has been included. Incomplete applications may not be considered for funding. **Any item noted with an * is required.**

Oral Presentation. Please note that you will be given an opportunity to make a ten-minute Oral Presentation at a meeting of the Outdoor Heritage Fund Advisory Board. These presentations are strongly encouraged.

Open Record. Please note that your application and any attachments will be open records as defined by law and will be posted on the Industrial Commission/Outdoor Heritage Fund website.

Name of Organization * Valley City Parks and Recreation Department

Federal Tax ID# * 45-0375502

Contact Person/Title * Tyler Jacobson, Director

Address * 140 4th St SW

City * Valley City

State * ND

Zip Code * 58072

E-mail Address * tylerj@vcparcs.com

Web Site Address <http://vcparcs.com>

Phone * 701 845 3294

Fax # 701 845 2067

List names of co-applicants if this is a joint proposal

MAJOR Directive: (select the Directive that best describes your grant request)*

Choose only one response

Directive A. Provide access to private and public lands for sportsmen, including projects that create fish and wildlife habitat and provide access for sportsmen;

Directive B. Improve, maintain, and restore water quality, soil conditions, plant diversity, animal systems and to support other practices of stewardship to enhance farming and ranching;

Directive C. Develop, enhance, conserve, and restore wildlife and fish habitat on private and public lands; and

Directive D. Conserve natural areas for recreation through the establishment and development of parks and other recreation areas.

Additional Directive: (select the directives that also apply to the grant application purpose)*

Choose all that apply

Directive A. Provide access to private and public lands for sportsmen, including projects that create fish and wildlife habitat and provide access for sportsmen;

Directive B. Improve, maintain, and restore water quality, soil conditions, plant diversity, animal systems and to support other practices of stewardship to enhance farming and ranching;

Directive C. Develop, enhance, conserve, and restore wildlife and fish habitat on private and public lands; and

Directive D. Conserve natural areas for recreation through the establishment and development of parks and other recreation areas.

Type of organization: (select the category that describes your organization)*

- State Agency
- Political Subdivision
- Tribal Entity
- Tax-exempt, nonprofit corporation.

**Project Name: Sheyenne River Bank Stability Restoration Project - Phase 1
Bjornson Golf Course**

Abstract/Executive Summary. An Executive Summary of the project stating its objectives, expected results, duration, total project costs and participants.* (no more than 500 words)

The Bjornson Golf course is a uniquely beautiful 9 hole golf course nestled between the banks of the Sheyenne River and the hills south of Valley City. One hundred year floods in 2009 and 2011 and Devils Lake outlets which increase the summer median flows of the Sheyenne up to 10 times above baseline are some of the causes of the observed loss of 12 to 15 feet of riverbank stretching 1,113 ft on the 8th hole of the golf course. A geo-technical study by the URS Corporation¹ in 2013 indicates that this area continues to be highly erodible due to soil type and increased water velocities. Instead of the usual "hard" techniques of rip rap and sheet metal, we propose to use bioengineering techniques for bank restoration. URS recommended implementing in-stream flow deflection and toe protection addition to bank stabilizing bioengineering techniques to stabilize the riverbank. This type of river bank stabilization will provide for continued use of this area for golfing with better site safety, restoration of riverine habitat and wildlife viewing opportunities. Water quality will be improved for aquatic biota by decreasing sediment load and non-point pollutants.

A preliminary cost estimate for the project by URS is \$1,245,917. Because bioengineered bank stabilization techniques are numerous and project design is highly site specific, line item costs will not be known until RFP's are obtained and reviewed. The preliminary estimate was prepared on the basis of complexity, costs for materials for similar projects in the area and linear footage. (see Appendix for some examples of bioengineering techniques)

Project implementation should require one construction season, weather permitting. Valley City Parks and Recreation is the owner of the Bjornson Golf Course and the leader of this project. Lori Frank, Barnes County Soil Conservation District (BCSCD), has extensive previous experience with 319 EPA bank stabilization projects and will oversee project implementation.

Project Duration:* Construction season 2015

Amount of Grant request: \$197,550 _____

Total Project Costs \$1,245,917
(Note that in-kind and indirect costs can be used for matching funds)

A minimum of 25% Match Funding is strongly encouraged. Amount of Matching Funds

Please indicate if the matching funds will be in-kind, indirect or cash.
\$ 50,000 Cash

Source(s) of Matching Funds

Please provide verification that these matching funds are available for your project.

A grant application has been submitted to the North Dakota Department of Health (NDDoH) EPA 319 program for \$450,000.

We are negotiating with the State Water Commission (NDSWC) for 40% of costs (\$498,367) from the Devils' Lake mitigation funds and a 50% cost match for erosion projects for \$50,000.

Certifications *

I certify that this application has been made with the support of the governing body and chief executive of my organization.

I certify that if awarded grant funding none of the funding will be used for any of the exemptions noted on Page 1 of this application.

Narrative

Organization Information – Briefly summarize your organization's history, mission, current programs and activities. *

Include an overview of your organizational structure, including board, staff and volunteer involvement. (no more than 300 words)

By a vote of the people of Valley City in 1986, Valley City Park and Recreation District (VCPR) was formed to independently implement and manage the adult & children's recreational programs for the community. The mission of VCPR is to:

- promote broad-based Parks and Recreation opportunities in order to improve quality of life for the citizens of Valley City and its visitors in a cost effective and financially responsible manner.
- Increase and enhance recreational opportunities for all ages, stages,

- and abilities of persons within the community.
- Increase public awareness as to the benefits of participation in Parks and Recreation.
 - Promote professionalism in the delivery of Parks and Recreation services.
 - Increase understanding of contributions made by Parks and Recreation to the economy and economic development of the community.

The VCPR governing board consists of five elected members who meet two times a month, April through October and monthly, November through March. VCPR employs 7 full-time staff with part-time staff hired throughout the year as needed. About 12 volunteers supplement the staff.

VCPR manages and maintains city parks & ball fields as well as a 24/7 Fitness Center. VCPR owns the Bjornson Golf Course, which draws players from Barnes County, surrounding cities and out-of-state tourists just stopping by in Valley City. Last season, 10,000 rounds were played.

VCPR strives to increase recreational opportunities for all ages and abilities. Elementary programs include flag football, basketball, volleyball, tennis, track and cross country meets. Adult programs include women's/men's/co-ed league volleyball, men's amateur basketball & softball. Youth basketball tournaments & golf tournaments are held during the year. VCPR also offers art classes for all ages.

The total annual budget is approximately \$1.2 million with \$200,000 budgeted for the Bjornson Golf Course. Golf course revenues were negatively impacted by the floods of 2009 and 2011.

Purpose of Grant – Describe the proposed project identifying how the project will meet the specific directive(s) of the Outdoor Heritage Fund Program *

Identify project goals, strategies and benefits and your timetable for implementation. Include information about the need for the project and whether there is urgency for funding. Please indicate if this is a new project or if it is replacing funding that is no longer available to your organization. Identify any innovative features or processes of your project.

The Sheyenne River and surrounding flood plain in Valley City have been subjected to recent major hydrological changes. Eastern North Dakota's wet cycle, completion of the Baldhill Dam, land use pressures and 600 cubic feet per second (CFS) of Devils Lake water being pumped for 6 months of the year have led to severe erosive damage to the Sheyenne riverbanks. Riverbank vegetation loss removes wildlife habitat for mammals and birds, and also degrades water quality. Increase in Total Suspended Solids (TSS) is the result of collapsed denuded banks, as well as the loss of filtering of in stream sedimentation and surface runoff by plants, trees and grasses.

In 2013, Valley City authorized the URS Corporation to study the 5.5 mile stretch of the Sheyenne River within the city limits with the goal of identifying areas most in need of stabilization. The right bank (1113 ft) of the Sheyenne River bordering the Bjornson Golf course was identified as a high priority area (see Map 1 and 2). This specific area is prone to excessive erosion even in the absence of spring flooding. Over the past 15 years, a 15-20 ft riverbank loss has been observed in this area. (See photo log).¹ Stabilization of this riverbank is a new project and should be implemented within the next 1-2 years. The proximity of the 10-20 ft vertical riverbank to the 8th hole of the golf course threatens the integrity of the golf course and the safety of its users.

We propose to stabilize this bank with stream bank soil bioengineering which the Natural Resources Conservation Service (NRCS) defines “as the use of living and nonliving plant materials in combination with natural and synthetic support materials for slope stabilization, erosion reduction and vegetative establishment.”² A United States Army Corps of Engineers Guidelines report states that “Vegetation can protect stream banks 4 ways: 1) the root system increases bank stability by its ability to hold soil together; 2) the exposed vegetation can increase the resistance of flow and reduce local flow velocities; 3) the vegetation acts as a buffer against the abrasive effect of transported materials and 4) close-growing vegetation can induce sedimentation deposition. Vegetation is often less expensive than most structural methods; it improves the conditions for fisheries and wildlife, improves water quality...”³

This stretch of the Sheyenne River is listed by the EPA as threatened for support of aquatic biota.⁴ In 2010, data on physical habitat, water quality and riverine biological assemblages on selected reaches of the Sheyenne River were published by the United States Geological Service (USGS) in cooperation with the North Dakota State Water Commission (NDSWC). According to Lundgren et al, during the fish collection, 32 species, representing 10 families, were collected in the Sheyenne River. All but two species were native to the Sheyenne River system. Common carp and white crappie were the two introduced species. Of the 32 species, 29 were “tolerant to moderately tolerant” to changes in water quality and habitat degradation, 16 species were “tolerant to moderately tolerant” to turbidity, and 16 species were “tolerant to moderately tolerant” in sensitivity to total dissolved solids, sulfate, and chloride. More fish were found in the lower Sheyenne River below Baldhill Dam than in the upper Sheyenne River above Baldhill Dam.⁵ A large and varied mussel population in the Sheyenne River below the Baldhill Dam has been well documented. The Sheyenne had 3 sites in 2012 with the densest populations in the state, including an area in Barnes County downstream from Valley City with a calculated 100,000 mussels/100 meter.⁶

To assess changes in water quality resulting from best management practices implementation, the Barnes County Soil Conservation District (BCSCD) collects water quality samples at four locations each along the Sheyenne during the open water season (March to October). Weekly water samples monitor concentrations of E. coli bacteria, nutrients (nitrogen and phosphorus), and total suspended solids (TSS) at the four sites. (See map 3). The project site is just upstream from site 380008. Throughout the year, increases in river flow produced distinct increases in TSS. Flow decreases generally resulted in TSS concentration decreases. The longitudinal increase of in-stream TSS concentrations, as samples are collected further away from Bald Hill Dam, stems from erosion within the watershed and from the Sheyenne River bed. Erosion from these two sources can be considered causes of sedimentation/siltation and macro-invertebrate community impairments along the Sheyenne River in Barnes County according to the BCSCD.⁸ A comparison of TSS concentration measurements just upstream (380281) and downstream (380008) of Valley City shows significant increases by percentage as well as elevation to levels that impair habitat for aquatic biota.

Mean concentration TSS (mg/L)	380281	380008	mean % increase	range % increase
2013	25	49	88	21-1072%
2014	25	37	66	10-210%

Not measured are the chemicals used to maintain the greens. The fungicides propiconazole, chlorothalonil, and Thiophanate-methyl + Iprodione and herbicides 2,4,D, dicamba, MCPPC, clopyralid are all toxic to fish and/or aquatic invertebrates. Product labeling indicates that they should

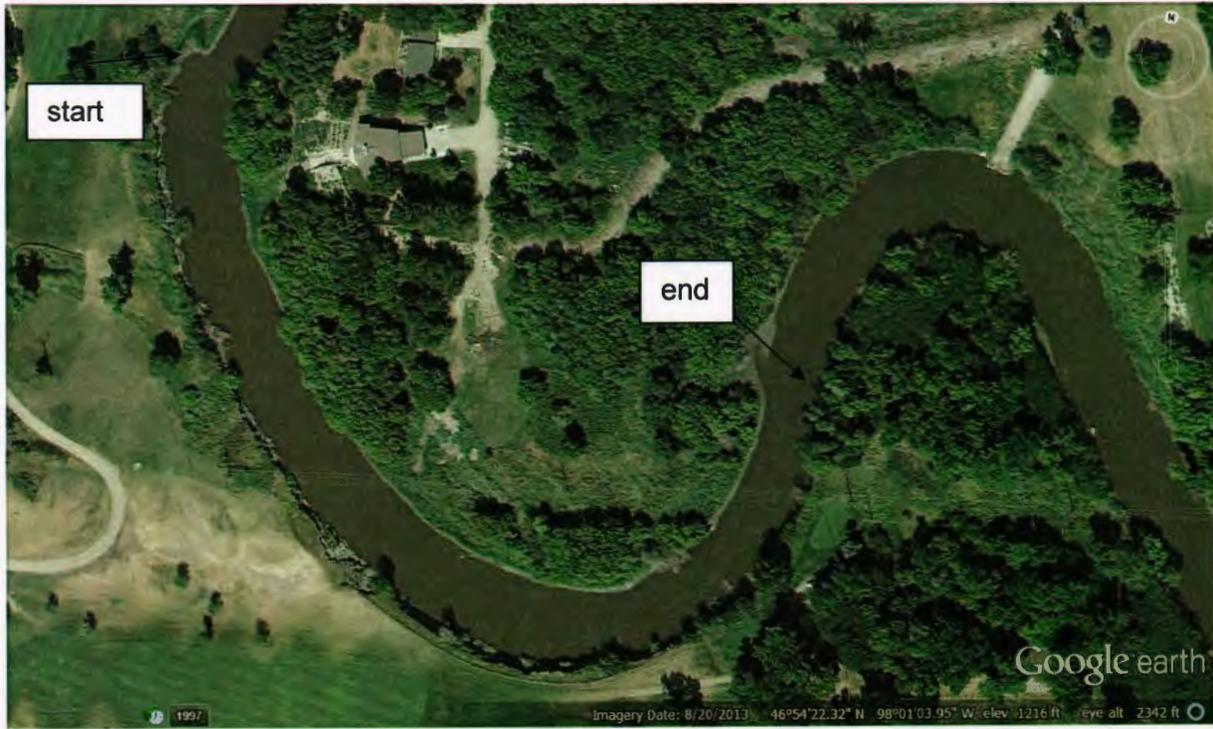
not be allowed to enter surface water. Previously well vegetated banks were part of the buffer strip which prevent these chemicals from entering the Sheyenne.

Directive C will be fulfilled if we are successful in re- establishing a well vegetated bank that is stable and again acts as a filter for TSS and runoff pollutants.

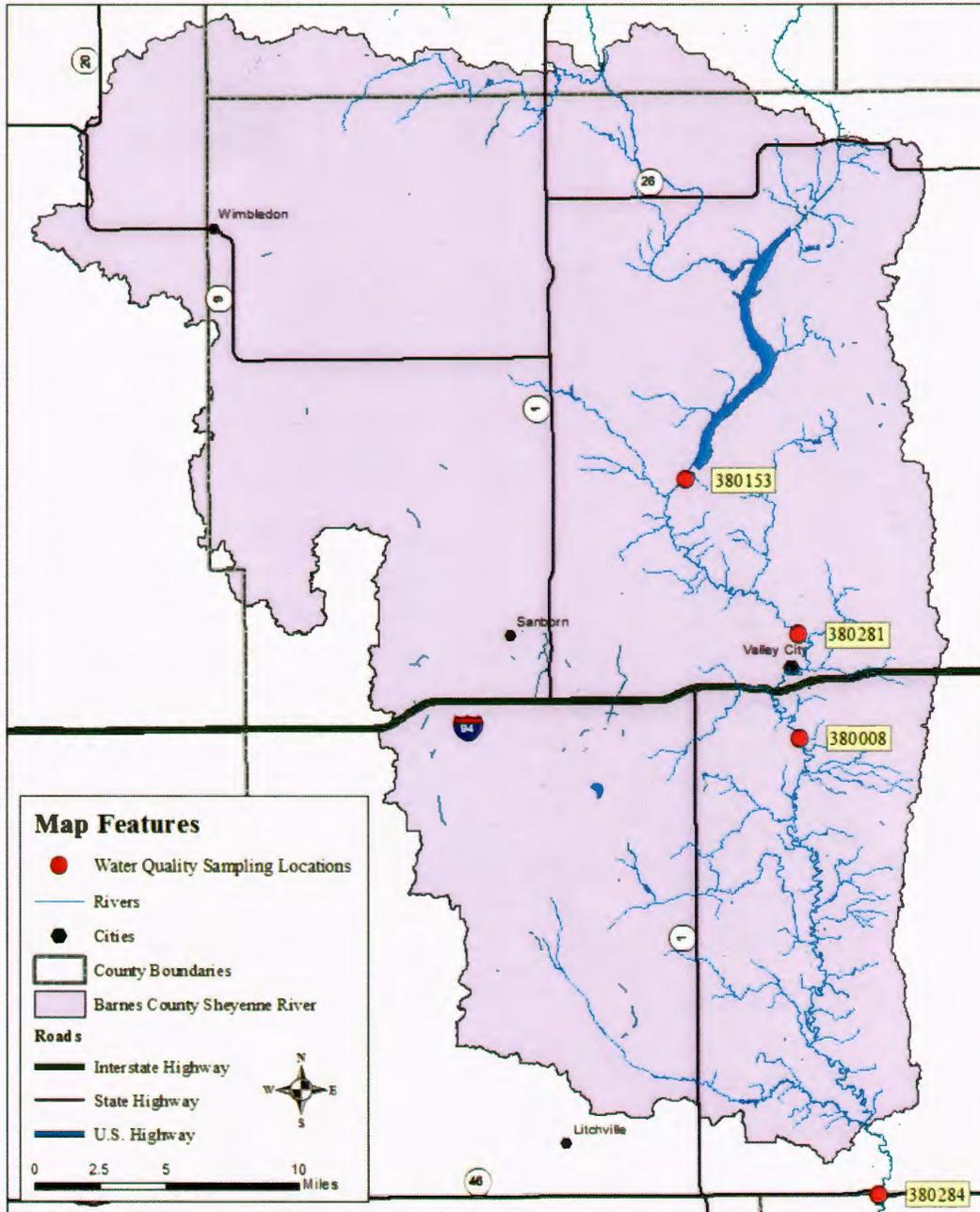
Directive D is addressed as bank stabilization will allow for safe use of this area for golfing. Restoring the banks will also create a demonstration of bioengineering techniques for golfers who may be considering bank restoration on their property. Recreating the riparian zone will encourage wildlife to return to the area. Mink, beaver and otter have been seen on the river in addition to the ubiquitous deer and geese. Warblers, swallows, king birds, brown thrashers, yellow throats and kingfishers, have been seen on this stretch of the Sheyenne in the past. A successful riparian restoration on the Bjornson Golf Course will result in a safe, unique and memorable golfing and wildlife viewing experience.



Map 1 – Sheyenne River as it runs through Valley City



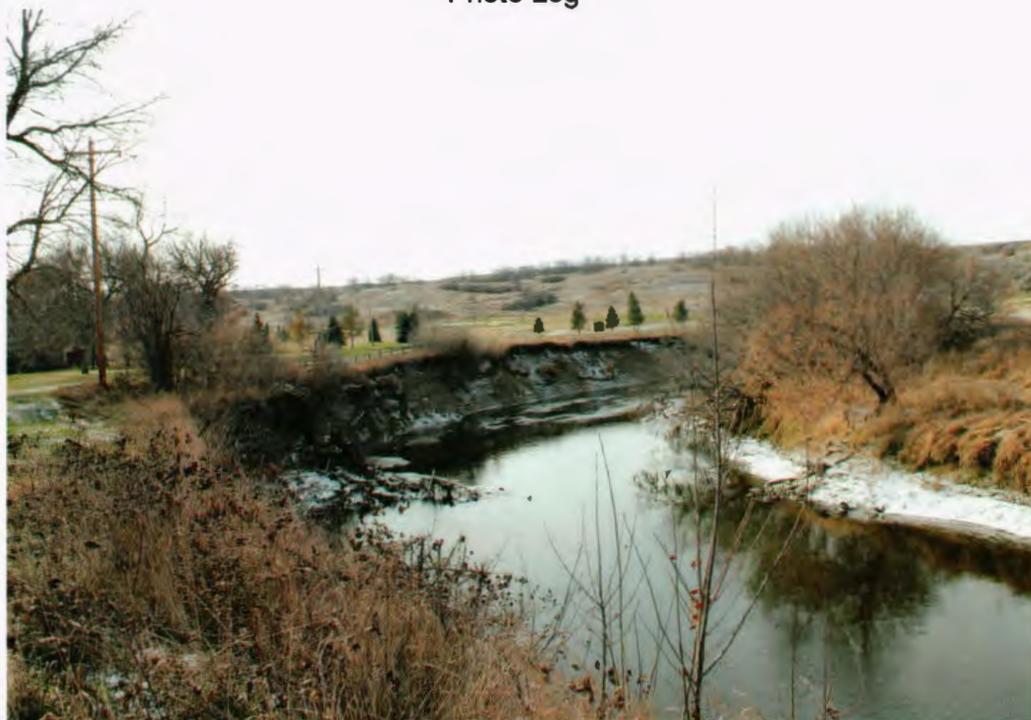
Aerial view of project site



Sampling sites in Barnes County for Sheyenne River Sedimentation Reduction Project

Upstream from Valley City: 380153 Baldhill Dam; 380281 Railroad bridge just north of VC City
 Downstream from Valley City: 380008 2 miles south of VC; 380284 20 miles S of VC

Photo Log



Bjornson Golf Course Nov 2013(URS Study) looking upstream



Bjornson Golf Course September 2014 looking upstream



The bank originally extended 15 feet to the right of the fence



Looking downstream- September 2014



Post 2011 flood siltation



References

1. Comprehensive Bank Stability and Restoration Study- Valley City. December 2013 URS Corporation
2. Riparian/Wetland Project Information Series No.23. October 2008 NRCS USDA
3. Bioengineering form Streambank Erosion Control Report1 Guidelines Technical Report EL-97-8 Allen, Hollis, Leech, James, US Army Corps of Engineers, April 1997
4. http://ofmpub.epa.gov/tmdl_waters10/attains_waterbody.control?p_list_id=&p_au_id=ND-09020204-034-S_00&p_cycle=2012&p_state=ND
5. Physical Habitat, Water Quality and Riverine Biological Assemblages of Selected Reaches of the Sheyenne River, ND 2010 , Lundgren, Robert F. ; Rowland, Kathleen M. ; Lindsay, Matthew J. USGS Scientific Investigations Report: 2011-5178
6. A Two Phase Population Survey of Mussels in North Dakota Rivers. Delorme, Andre, Valley City State University 2012
7. Sheyenne Watershed Sedimentation Reduction Project Grant Proposal, Barnes County Soil Conservation District, 2013

Appendix 1. Examples of Bioengineering and Channel Restoration Techniques

LIVE CRIBWALL

A live cribwall is used to rebuild a bank in a nearly vertical setting. It consists of a boxlike interlocking arrangement of untreated log or timber. The structure is filled with rock at the bottom and soil beginning at the ordinary high-water mark or bankfull level. Layers of live branch cuttings root inside the structure and extend into the slope. Once the live cuttings root and become established, vegetation gradually take over the structural functions of the wood members.

Applications:

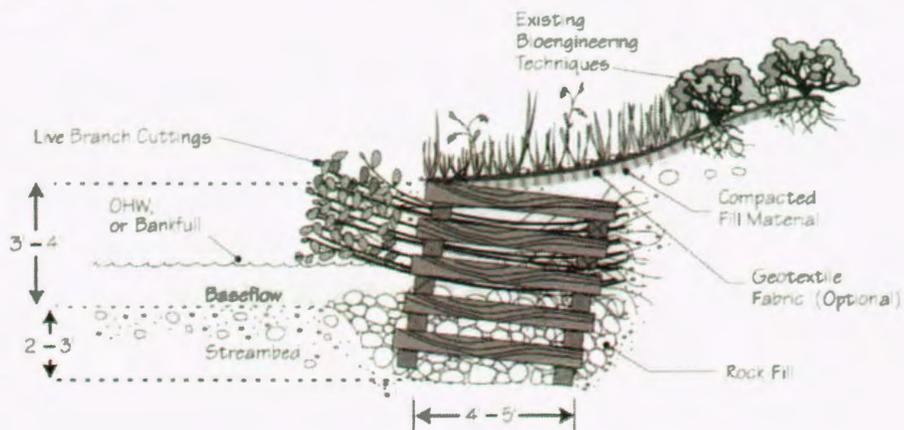
- Aides in natural regeneration colonization
- Immediate protective cover for the bank
- Maximum site disturbance during construction
- Rapid reestablishment of riparian vegetation
- Appropriate of base of slope where a low wall may be required to stabilize the toe
- Effective bank erosion control on fast flowing streams
- Effective on outside bends where strong currents are present

Material:

- Lives stakes should be 0.5 to 2.5 inches in diameter and long enough to reach the back of the wooden crib structure.
- Logs or untreated timbers should range from 4 to 6 inches in diameter. Lengths will vary with the size of the crib structure
- Large nails or reinforcement bar are required to secure the logs or timbers together.
- Fill rock should be 6 inches in diameter.

LIVE CRIBWALL

(Not to scale)



Information from: U.S. Department of Agriculture Forest Service. 2002. A Soil Bioengineering Guide for Streambank and Lakeshore Stabilization. October 2002.

J-HOOK

J-hooks are used to reduce near-bank stress by deflecting flow away from the outer stream bank of a meander and into the center of the stream. This allow for stream bank vegetation time for root development due to the reduce near-bank stress. The length of bank protection is approximately 2.5 to 3 times the length of the vane.

Applications:

- In-stream flow control
- Use for streambank protection on outer bank of meander
- Reduces near-bank stress to allow time for root development
- Reduces need for toe protection
- Provide fish habitat
- Energy dissipation
- Bed-load transport

Material:

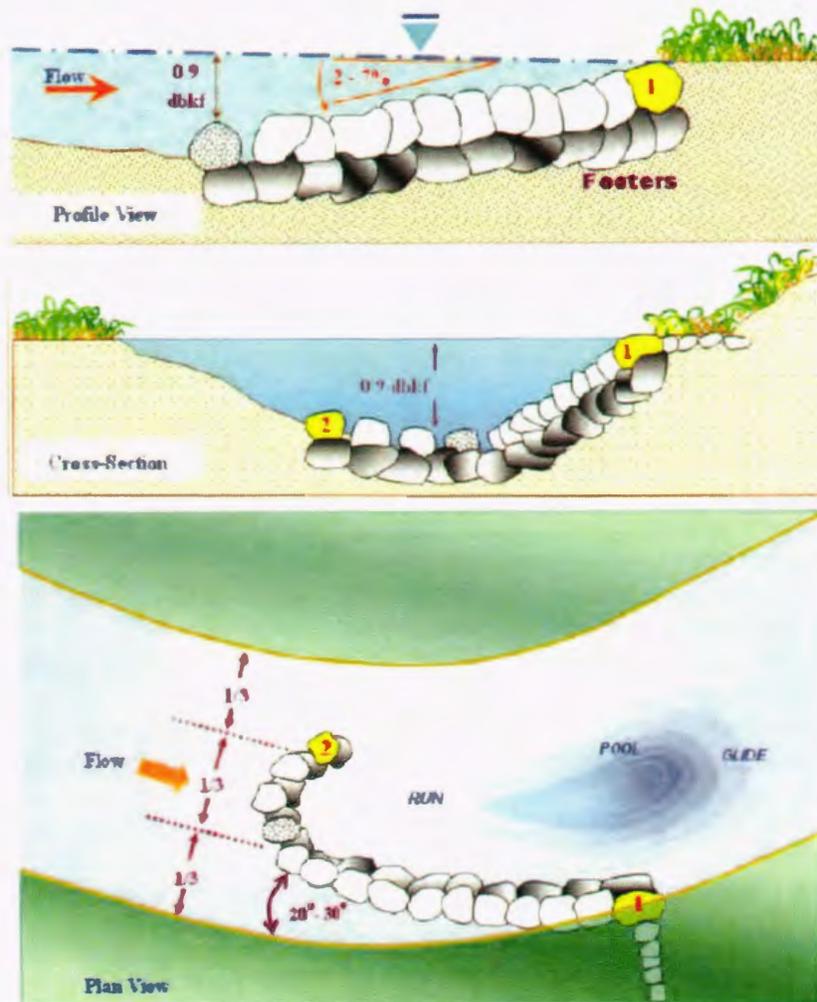
- A verity of materials can be used to construct a J-hook, such as, native boulders, logs and root wads.
- The minimum rock size corresponds to the bankfull shear stress, but in general, ranges from approximately 1.3 to 4 feet in diameter.

Design/Installation:

- The structure should only extend to the bankfull stage elevation.
- The vane slope, defined as the ratio of bank height to vane length, should vary between 2 to 7 percent extending from the bankfull stage bank.
- Vane length is equal to the distance from the bankfull bank to the intercept with the invert elevation of the streambed at a 1/3 of the bankfull channel width.
- The minimum footer depth at the invert for cobble and gravel-bed stream is associated with a ratio of 3 times the protrusion height of the invert rock. For sand-bed stream, the minimum depth is doubled
- Ratios of J-hook vane spacing/bankfull width on meander bends can be predicted using equations based on the ratio of radius of curvature/bankfull width and departure angle. These equations can be found in Tables 11-15 and 11-16 in Chapter 11, Part 654 of the National Engineering Handbook.

Information from: Natural Resources Conservation Service (NRCS). 2007. Rosgen Geomorphic Channel Design. Part 654 Stream Restoration Design. National Engineering Handbook. Chapter 11.

J-HOOK



Information from: Natural Resources Conservation Service (NRCS). 2007. Rosgen Geomorphic Channel Design. Part 654 Stream Restoration Design. National Engineering Handbook. Chapter 11.

Management of Project – Provide a description of how you will manage and oversee the project to ensure it is carried out on schedule and in a manner that best ensures its objectives will be met.*

Include a brief background and work experience for those managing the project.

Tyler Jacobson, the director of VCPR, will obtain funding for the project, be responsible for Operations and Management after project implementation. He will ensure that all applicable reports including those that are made to the ND Department of Health (NDDoH) are submitted to the Heritage Fund Board. He has B.S. in Recreation and Leisure Services with an emphasis in Administration. He has been in the Park and recreation field for 21 years, 20 years as a Director.

The Barnes County Soil Conservation District's Watershed Coordinator, Lori Frank, will coordinate and implement this project. She will be responsible for Operation & Maintenance Agreements, status reviews, appropriate engineering designs, securing necessary permits, contracting, and filing of required reports and applications to the NDDoH. She has worked in this capacity for over 15 years and understands all aspects of the NDDoH Section 319 program.

Evaluation – Describe your plan to document progress and results. *

How will you tell if the project is successful? Please be specific on the methods you will utilize to measure success. Note that regular reporting, final evaluation and expenditure reports will be required for every grant awarded.

1. Water quality monitoring including TSS will be done as part of the Sheyenne River Sedimentation Reduction Project. Readings are taken every 2 weeks just north of Valley City and 2 miles south of Valley City except during freeze up. We would like to see a trend towards a decreased contribution of the Valley City stretch of river to the TSS increase within Barnes County.
2. Visual inspections of the banks will be done as per O & M plan specified by the engineer. Photos can be taken annually to document stability, re-establishment of plants for 5 years.
3. Monitoring of aquatic biota in the Sheyenne in the past has been done under the auspices of the State Water Commission and North Dakota Game and Fish. Any new data will be submitted to the Heritage Fund Board.
4. The number of golf course users will be tracked. We would like to see stable or increased usage.

A summary of the four items above will be submitted by VCPR for at least 5 years if data are available.

Financial Information

ATTACHMENT: Project Budget – Using the standard project budget format that is available on the website at <http://www.nd.gov/ndic/outdoor-infopage.htm> , please include a detailed total project budget that specifically outlines all the funds you are requesting. Note that a minimum of 25% match funding is strongly encouraged.*

The project budget should identify all matching funds, funding sources and indicate whether the matching funds are in the form of cash or in-kind services. As noted on the standard project budget format, certain values have been identified for in-kind services. Please utilize these values in identifying your matching funds. **NOTE: No indirect costs will be funded.**

Project Expense	OHF Request	Applicant's Match Share (Cash)	Applicant's Match Share (In-Kind)	Applicant's Match Share (Indirect)	Other Project Sponsor's Share	Total Each Project Expense
Installation and materials	\$197,550	\$ 50,000	\$	\$	\$809,585	\$1,057,135
Engineering and design	\$0	\$0	\$	\$	\$179,712	\$ 179,712
permitting	\$	\$	\$	\$	\$1,500	\$1,500
Construction oversight	\$	\$	\$	\$	\$7,570	\$7,570
	\$	\$	\$	\$	\$	\$
	\$	\$	\$	\$	\$	\$
Total Costs	\$197,550	\$50,000	\$	\$	\$998,367	\$1,245,917

Specific costs cannot be listed as we have no proposals at this time to renew. The above costs were very preliminary estimates by URS based on linear footage, complexity of project and local costs for labor and materials on similar projects in the area. The permitting cost is defined. If funding close to the preliminary estimate is obtained from the different agencies, the project design can be selected and line item costs will be available at that time.

XO I certify that a project budget will be sent to the Commission*

Sustainability – Indicate how the project will be funded or sustained in future years. *

Include information on the sustainability of this project after all the funding from the Outdoor Heritage Fund has been expended and whether the sustainability will be in the form of ongoing management or additional funding from a different source.

The repaired bank will need careful management until it is well established. Bioengineered projects require less maintenance as they mature. The exact nature of the management depends on the type of bioengineering technique used. The management plan will be specified in the engineering plan, and will be implemented by VCPR staff and paid for by VCPR revenue indefinitely.

Partial Funding – Indicate how the project will be affected if less funding is available than that requested. *

There are several options if insufficient funds are awarded

1. Try to obtain more funds from other partners(SWC,EPA,internal funds) and implement the original project
2. Not stabilize the bank, redesign the golf course to avoid this area. This allows for continued operation of the golf course but does nothing for water quality or wildlife habitat. This would be wholly self-funded.
3. Work with designing engineer to accommodate the limited budget. There is no guarantee that the project could be done to meet the goals as described. If the original objectives are not met, Heritage funds would be returned.

Partnership Recognition - If you are a successful recipient of Outdoor Heritage Fund dollars, how would you recognize the Outdoor Heritage Fund partnership? *

A wall plaque acknowledging the generous assistance of the State Water Commission, EPA 319 program and Outdoor Heritage Grant, Barnes County Soil Conservation District will be placed in the Pro Shop. Prior to and upon completion of the project, the local newspaper will be invited to visit the site. Emphasis will be placed on the dual benefits of the bank stabilization project not only as a way of allowing continued use of the golf course but also as a way of improving water quality for aquatic biota and restoring habitat for wildlife. The project will be used as an example of the fund furthering both recreation and conservation.

Scoring of Grants

All applications will be scored by the Outdoor Heritage Fund Advisory Board after your ten-minute oral presentation. The ranking sheet(s) that will be used by the Board is available on the website at <http://www.nd.gov/ndic/outdoor-infopage.htm>.

Awarding of Grants*

All decisions on requests will be reported to applicants no later than 30 days after Industrial Commission consideration. Applicants whose proposals have been approved will receive a contract outlining the terms and conditions of the grant. Please note the appropriate sample contract for your organization on the website at <http://www.nd.gov/ndic/outdoor-infopage.htm> that set forth the general provisions that will be included in any contract issued by the North Dakota Industrial Commission. Please indicate if you can meet all the provisions of the sample contract. If there are provisions in that contract that your organization is unable to meet, please indicate below what those provisions would be. *

Responsibility of Recipient

The recipient of any grant from the Industrial Commission must use the funds awarded for the specific purpose described in the grant application and in accordance with the contract. The recipient cannot use any of the funds for the purposes stated under Exemptions on the first page of this application.

If you have any questions about the application or have trouble submitting the application, please contact Karlene Fine at 701-328-3722 or kfine@nd.gov

Revised August 21, 2014



NORTH DAKOTA HOUSE OF REPRESENTATIVES

STATE CAPITOL
600 EAST BOULEVARD
BISMARCK, ND 58505-0360



Representative Naomi Muscha

District 24
221 Oehlke Avenue
Enderlin, ND 58027-1132
Cell: 701-793-0326
nmuscha@nd.gov

COMMITTEES:
Human Services
Political Subdivisions

Mr. Tyler Jacobson

Director of Parks & Recreation

140 4th Street SW

Valley City, ND 58072-0422

Mr. Jacobson,

I strongly support your request being made to stabilize a large section of eroded river bank along the Sheyenne River. This 1100 foot section not only jeopardizes the Valley City Municipal Golf Course, but the erosion also increases the sediment load of the Sheyenne River which in turn is a main cause of impairment for aquatic species along that stretch of the Sheyenne.

The Valley City community has been carrying a large financial burden for several years due to repetitive flooding of the Sheyenne River. The granting of this funding request will assist efforts being made to improve water quality by repairing the affected bank.

I highly commend you on your efforts of this request.

Representative Naomi Muscha

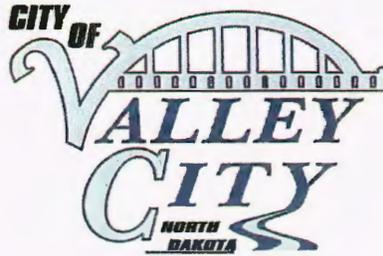
District 24

PO Box 34

Enderlin, ND 58027-0034

nmuscha@nd.gov

City Hall
254 2nd Ave NE
PO Box 390
Valley City, ND 58072-0390



Phone: 701-845-1700
Fax: 701-845-4588
www.valleycity.us

September 22, 2014

TO: EPA Section 319 Task Force

RE: Sheyenne River- Valley City Bank Stability Restoration Project Phase I/Bjornson Golf Course

Dear Task Force Members:

The Valley City Commission fully supports the above proposal. The Bjornson Golf is enjoyed by many residents of Valley City. Stabilization of the bank will not only help to preserve this recreational resource but also contribute to improved water quality downstream.

Please consider approval of this grant request.

Sincerely,

Handwritten signature of Robert Werkhoven in blue ink.

Robert Werkhoven, Mayor

Handwritten signature of Matt Pedersen in blue ink.

Matt Pedersen, Commissioner

Handwritten signature of Madeline Luke in blue ink.

Madeline Luke, Commissioner

Handwritten signature of Duane Magnuson in blue ink.

Duane Magnuson, Commissioner

Handwritten signature of Mary Lee Nielson in blue ink.

Mary Lee Nielson, Commissioner



BARNES COUNTY

230 4TH St. NW
VALLEY CITY, NORTH DAKOTA 58072

COUNTY OFFICERS

BETH DIDIER

Auditor
845-8500
Fax: 845-8548

VICKI ZINCK

Treasurer
845-8505
Fax: 845-8501

JODY PFAFF

Recorder
845-8506
Fax: 845-8538

WANDA AUKA

Clerk of District Court
845-8512
Fax: 845-1341

CARL MARTINECK

States Attorney
845-8526
Fax: 845-8543

RANDY MCCLAFLIN

Sheriff
845-8530
Fax: 845-0002

CORRECTIONS

845-8532
Fax: 845-2495

DR DAVE HOCHHALTER

Coroner
845-8776

BETTY KOSLOFSKY

Director of Tax Equalization
845-8515

SCOTT CRUMP

Veterans Service Officer
845-8511

KIMBERLY FRANKLIN

Emergency Manager
845-8510

KERRY JOHNSON

Highway Superintendent
845-8508
Fax: 845-8533

JASON THIEL

MIS Manager
845-8545

COUNTY COMMISSION

Dist. 1: CINDY SCHWEHR

Rogers
845-8238

Dist. 2: PHIL LEITNER

Valley City
490-0597

Dist. 3: ELDRED KNUTSON

Valley City
845-4694

Dist. 4: RODGER BERNTSON

Sanborn
646-6159

Dist. 5: JOHN FROELICH

Valley City
845-1371

September 19, 2014

Valley City Parks & Recreation
Tyler Jacobson, Director
PO Box 422
Valley City, ND 58072-0422

RE: Bjornson Park Public Golf Course – Riverbank stabilization

Dear Mr. Jacobson,

The Barnes County Board of Commissioners supports the goals and objectives of the Valley City Park District in its efforts to stabilize the river bank on Bjornson Park Public Golf Course. Water quality and the environment are very important to the residents of the County, and this will help with erosion and decrease the silt and sediment that enters the river.

We strongly support this grant application.

Sincerely,

Eldred Knutson, Chairman
Barnes County Commission

**BARNES COUNTY
SOIL CONSERVATION DISTRICT**

110 Winter Show Road SW – Suite 3
Valley City, ND 58072
701-845-3114, Ext. # 3

September 15, 2014

TO: EPA Section 319 Task Force

RE: Sheyenne River –Valley City Bank Stability Restoration Project
Phase I / Bjornson Golf Course

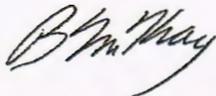
Dear Task Force Members:

The Barnes County Soil Conservation District, as sponsor of the Sheyenne Watershed Sedimentation Reduction Project, fully endorses the above proposal. We look forward to working with this project to further reduce sedimentation in the Sheyenne River watershed.

Riverbank erosion is a major cause of sedimentation in our watershed and we feel that this will be one step forward in accomplishing 319 goals.

Please consider approval of this grant request.

Sincerely,



Bradley McKay, Chairman
Barnes County Soil Conservation District

Barnes County Water Resource District

PO Box 306

Valley City, ND 58072

Managers

Jerry Hieb – Chairman; Bruce Anderson

Shaun Olauson and Bret Fehr

September 15, 2014

Greg Sandness

NPS Coordinator

ND Department of Health

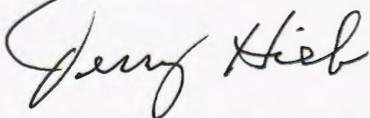
918 East Divide Avenue, 4th Floor, Gold Star Center,

Bismarck, ND 58501-1947

Dear Mr. Sandness:

The Barnes County Water Resource District would like to support the efforts of the Bjornson Golf Course Bank Stabilization Project. Stabilization of the bank will not only decrease silt and sedimentation in the river but also pollutants entering from storm runoff. This will work with the efforts of the Barnes County Soil District to restore habitat for aquatic life and maintain recreational uses of the Sheyenne River.

Respectfully,



Jerry Hieb – Chairman

Barnes County Water Resource District