

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. After completing the report, save it and attach it to an e-mail and send it to outdoorheritage@nd.gov AND print it and mail it to: North Dakota Industrial Commission, ATTN: Outdoor Heritage Fund Program, State Capitol – Fourteenth Floor, 600 East Boulevard Ave. Dept. 405, Bismarck, ND 58505. If you are unable to scan attachments, mail them with your paper copy of the report. You will be sent a confirmation by e-mail of receipt of your report and attachments. The project reports shall be provided to the Commission in both electronic and hard-copy formats with permission for unrestricted distribution. The electronic versions shall be in a suitable format for posting on the Outdoor Heritage Fund/Commission website.

Outdoor Heritage Fund

Status and Final Report Form/Guidelines

This report is used to show progress of grant projects funded through the Outdoor Heritage Fund. Status Reports and the Final Report must be submitted as required in Contract.

Contract Number 009-105	Report Date 9/30/21	Period Covered by Report (3/8/21 to 7/1/21)
Project Name Kathryn Dam Repurposing Project		
Project Sponsor Name Barnes County Water Resource District		
Responsible Official (Last, First Middle) Hieb, Jerry		Responsible Official's Title Chairman
Project Sponsor Address PO Box 306		
City Valley City	State ND	Zip Code 58072
Telephone Number 701-895-8508		

Financial Update

Please provide the following information regarding the funding for your project based on the contract award:

	Funds Spent THIS Reporting Period*	Total Funds Spent to Date	Balance of Remaining Funds
Match Funding	\$361,934.82	\$982,334.74	\$0.00
In-kind Funding	\$0.00	\$0.00	\$0.00
OHF Funding	\$23,925.75	\$159,505.00	\$0.00
Total	\$385,860.57	\$1,125,839.74	\$0.00

Do you anticipate needing to request a grant extension? // Yes /x/ No

If yes, please explain:

*As appropriate please provide copies of receipts for purchases.

Work Completed during Period Covered by Report:

(This information will be posted on the Outdoor Heritage Fund/Industrial Commission website)

The project is complete and the construction contract has been closed out.


Photos of work completed are welcome (If appropriate, please submit photos of key elements of the project completed or in progress during reporting period) Do not exceed five photos per project report.

This report was prepared pursuant to an agreement with the Industrial Commission of North Dakota, which partially funded the project through the Outdoor Heritage Fund. Project participants, its subcontractors, and the Industrial Commission of North Dakota, or any person acting on its behalf, do not:

- (A) *Make any warranty or representation, express or implied, with respect to the accuracy, completeness, or usefulness of the information contained in this report, or that the use of any information, apparatus, method, or process disclosed in this report may not infringe privately-owned rights; or*
- (B) *Assume any liabilities with respect to the use of, or for damages resulting from the use of, any information, apparatus, method or process disclosed in this report.*

Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the Industrial Commission of North Dakota. The views and opinions of authors expressed herein do not necessarily state or reflect those of the Industrial Commission of North Dakota.

Signature of Responsible Official





Civilian Conservation Corps

At the end of April, 1934, 200 CCC men arrived in Valley City, all of whom were military veterans. A permanent camp, Company 4752, was built just south of the High Line Bridge, about where Hanna Field is now located. Half of these men remained in Valley City while the other half moved to a camp further north.

The first project for the Valley City men was the construction of the Kathryn Dam. Since the project was within 30 miles, the men were trucked to work every day, arriving at 9 am and quitting at 3 pm.

The original men of the company were replaced at the end of July by non-veterans who had just recently joined the Corps—many of them from this area. During the winter months, the men moved to complete projects in warmer climates.

The Civilian Conservation Corps (CCC) was a public work relief program from 1933 to 1942. The CCC fulfilled important public works projects such as building bridges, lookout towers, dams, planting trees, as well as camping and picnic ground development. Many of these work projects survive today.

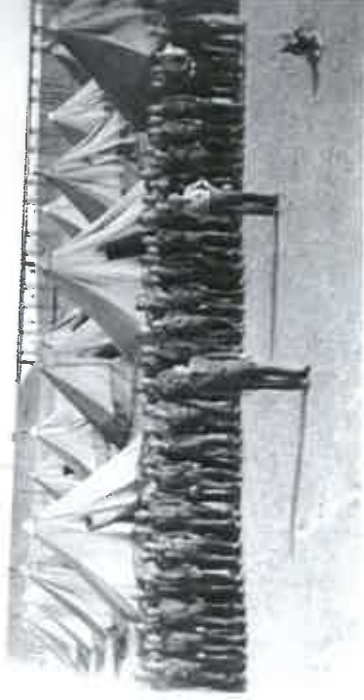


Photo courtesy of the State Historical Society of North Dakota

The CCC put to work unmarried, unemployed men ages 18-25 whose families were in financial need. The men had to pass a physical exam or complete a period of physical conditioning after which they were required to serve a minimum of 6 months but could work for up to 2 years. They worked 40 hours a week and received housing, food, clothing, medical care and \$30 a month in pay, of which \$22-25 was sent to the family.

Funding for this project was provided by Barnes County Water Resource District, North Dakota State Water Commission, Outdoor Heritage Fund, US Fish and Wildlife Service, and North Dakota Game and Fish. Special thanks to the VCSU Library, the Barnes County Historical Society, Andre DeLorme, Becky Heise, and the State Historical Society of North Dakota.



Photo courtesy of the State Historical Society of North Dakota

Made of rock and concrete nine feet high, the Kathryn Dam was located slightly upstream from the original Walker Dam, the remains of which can still be seen. The men began by digging on each side of the river for the abutments, filling sacks with the dirt and using them to dam up the river. When the river was sufficiently dammed, they dug out the river bottom for the foundation of the dam.

Construction on the dam began on June 1, 1934, and finished September 23. After completion, instructors provided by the Works Progress Administration offered swimming lessons and other recreational activities completely free to the public.

Kathryn Dam

Project

Many low-head dams like the Kathryn Dam were built long ago for use in watering livestock, providing stable water supply, irrigation and recreational purposes but may have outlived their usefulness. The Barnes County Water Resource District studied three options to improve this dam—complete removal of the dam, replacement of the dam with a fish passage friendly option, or modifying the existing dam to remove the under-tow effect.

This project called for the removal of the old dam and abutments, and a part of the original Walker Dam. A series of rock riffles, or weirs, were constructed upstream of the dam, allowing fish to continue to move freely up and downstream, providing enhanced fish habitat and improving recreational opportunities.



Photo courtesy of Andre DeLorme, Valley City State University

However, the area below the Dam is the largest mussel bed known in the state. The removal of the dam would cause the release of sediment which would endanger the health of those mussels. The mussels are native to these waters and have been living here for thousands of years. They filter the water and cycle nutrients. Before construction could take place, the mussels would have to be relocated.



Photo courtesy of Andre DeLorme, Valley City State University

From October 5-8, 2020, Valley City State students partnered with North Dakota Game and Fish and the US Fish and Wildlife Service to relocate over 10,000 mussels to two sites away from the dam. About 409 mussels were measured and tagged with transponders that will allow them to be located in the future to assess the project's success.



Photo courtesy of the Obsessed Photographers Group.

The Kathryn Dam before the modification project. Note the old Walker Dam in the foreground. This is a popular fishing spot and the project, carried out in winter 2020-21 at a cost of \$1.1 million, greatly enhanced the recreational opportunities available in this area by including river bank stabilization, boulder walkways and a walking trail.