

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 001-005 | Report Date 6/1/2021 | Period Covered by Report (05/01/2020-04/30/2021) |
|----------------------------|-------------------------|---|

Project Name
North Dakota Hen House Project I

Project Sponsor Name
Delta Waterfowl Foundation

| | |
|---|--|
| Responsible Official (Last, First Middle) Chouinard, Matthew D | Responsible Official's Title Senior Waterfowl Programs and Delta Marsh Property Manager |
|---|--|

Project Sponsor Address
1412 Basin Ave

| | | | |
|------------------|-------------|-------------------|--|
| City Bismarck | State ND | Zip Code 58504 | Telephone Number 701-222-8857 (ext. 5209) |
|------------------|-------------|-------------------|--|

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 | 0 | 680.01 | 0.00 |
| In-kind Funding | 180.00 | 4,361.52 | 0.00 |
| OHF Funding | 1,890.00 | 24,392.61 | 9,577.93 |
| Total | 2,070.00 | 29,434.14 | 9,577.93 |

Do you anticipate needing to request a grant extension? Yes 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)

This grant report covers Delta Waterfowl activities on North Dakota Hen House Project I from 5/1/2020 to 4/30/2021. This project consists of 122 Hen Houses that were first available to nesting ducks in 2015 as part of OHF/Delta Waterfowl Grant 001-005.

After five nesting seasons, this project is functioning smoothly and the Hen Houses continue to be very productive. Delta Waterfowl contractors visited all 122 Hen House sites in early 2021 to ensure the structures were ready for nesting hens returning from wintering sites. Each visit included placing fresh nest material (hens do not bring grass to their nest site), repair of the exterior of each Hen House, and an assessment of each structure to determine usage during the previous (2020) nesting season.

Once maintenance of each Hen House was complete, contractors were required to activate a mobile phone app called the QuickCapture app and select an icon that matched the status of the nest structure. When the icon was selected, the GPS location of the contractor and the Hen House status information were transmitted to a database and verified by Delta Waterfowl staff. This new step in the maintenance process provided Delta Waterfowl with more detailed information about each Hen House, while verifying that the work was completed. Figure 1 is a sample map created using the location and usage information provided by Delta Waterfowl contractors and the QuickCapture app.

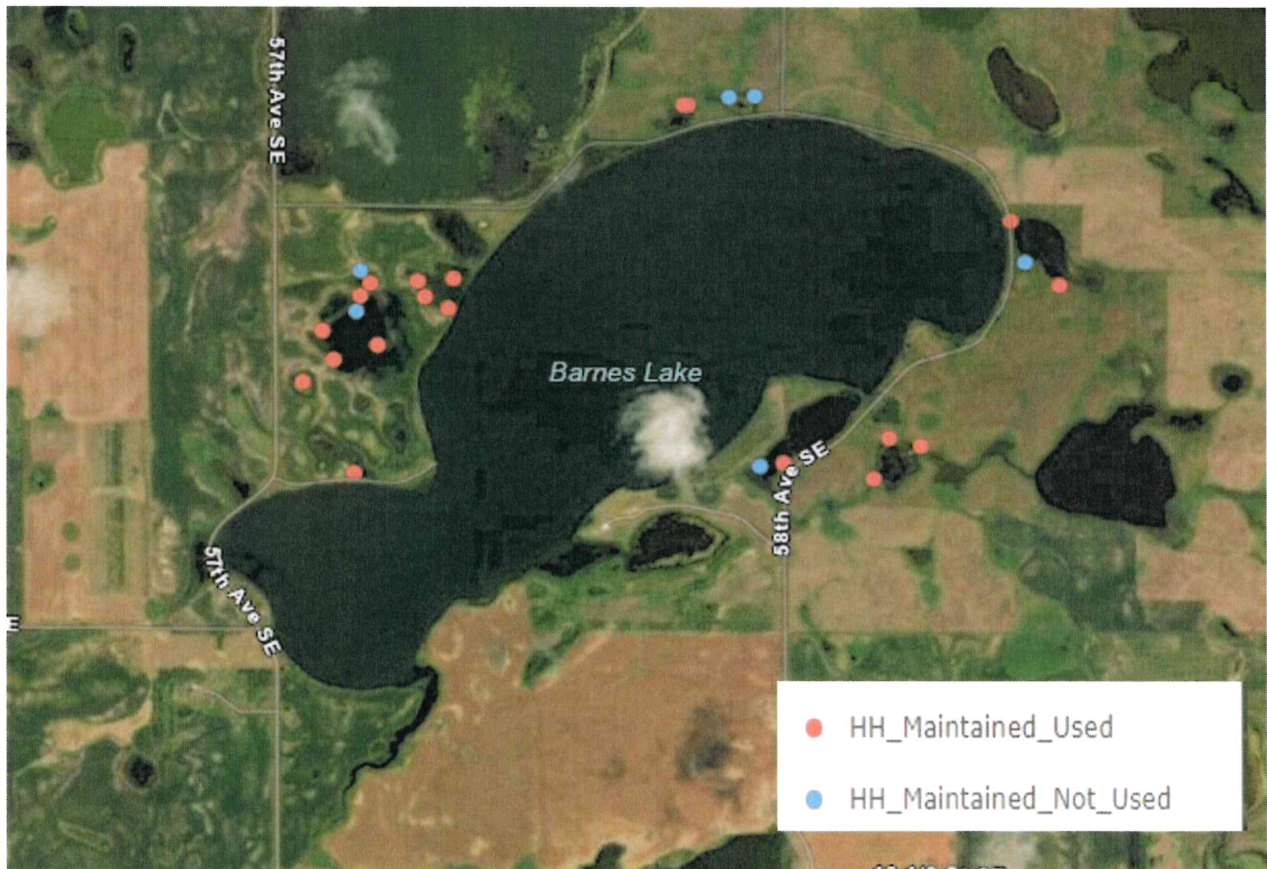


Figure 1. Map of Hen Houses near Barnes Lake in Stutsman County. More than 80% of the Hen Houses in this area were used by nesting hens during the 2020 breeding season.

Though most of North Dakota has been in an extreme drought over the last 9-12 months, habitat conditions preceding the drought were actually very good. Heavy rain and snow in September and October 2019 filled up

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wetlands, and waterfowl responded. The 2020 North Dakota Game and Fish breeding waterfowl survey detected the 13th highest number of breeding ducks since the 1950s. Not surprisingly, the 2020 nesting season was very productive in Delta Waterfowl/OHF Hen Houses. Hen House Contractors definitively detected usage by ducks in over 60% of project nest structures in which occupancy could be determined, a significant increase from 2019 (35%). In some portions of the project area, the usage rate exceeded 80%. Figure 1 above highlights the Barnes Lake area in Stutsman County, where 19 of the 25 HHs were occupied last spring. When you include the total number of nests attempted (two of these HHs were used multiple times), the total usage rate in this area was 84%. The wetlands around Barnes Lake are a definite candidate for more HHs in the future.



Figure 2. This mallard hen prepares to leave her nest in a Hen House near Woodworth, North Dakota.

Using nest success determined from previous HH research in North Dakota (85%), Delta Waterfowl staff estimate that over 580 mallard ducklings hatched in 2020 as a result of this project. Usage rates and estimated duck production for 2021 will be provided in the 2022 report.

Delta Waterfowl sincerely appreciates the North Dakota Outdoor Heritage Fund, OHF program staff, hunters, outdoor enthusiasts and others that supported this project.

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*

*As appropriate please provide copies of receipts for purchases.

(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



University of Jamestown

7315 College Lane north

Jamestown, ND 58405

908-461-9352

John.Mazur@UJ.edu

INVOICE

| | |
|---|-----------------------------|
| Bill to: Delta Waterfowl | Date: April 27, 2021 |
| HH Maintenance OHF Grant 001-005 (116 at \$15/HH) | \$1,740.00 |
| HH Replacement OHF Grant 001-005 (6 at \$25/HH) | \$150.00 |
| HH Maintenance OHF Grant 006-087 (43 at \$15/HH) | \$645.00 |
| HH Replacement OHF Grant 006-087 (2 at \$25/HH) | \$50.00 |
| Total Due | \$2585.00 |

Delta Waterfowl In-Kind and Matching Expenses
North Dakota Outdoor Heritage Fund Grant 001-005
5/1/2020 to 4/30/2021

| <u>Date</u> | <u>Expense</u> | <u>Rate</u> | <u>Total</u> |
|-------------|--|-------------|------------------|
| 3/1//2021 | Staff Time (1 hrs) - Download and Verify QuickCapture locations | \$15/hr | \$15.00 |
| 4/5/2021 | Staff Time (1 hrs) - Download and Verify QuickCapture locations | \$15/hr | \$15.00 |
| 5/3/2021 | Staff Time (4 hrs) - Download QuickCapture locations, update maps, calculate usage rates. | \$15/hr | \$60.00 |
| 6/1/2021 | Staff Time (6 hrs) - Complete OHF Report | \$15/hr | \$90.00 |
| | In-Kind Staff Time | | \$ 180.00 |