



Red Rock
Lake Association

December 7, 2011

Iowa Ornithologist's Union Grant Committee:

Re: Gladys Black Eagle Nestcam and Educational Video Project

The Red Rock Lake Association and Central College located in Pella has created an ambitious project to enhance knowledge about the American Bald Eagle in the Red Rock area. The eagle cam will provide live, online streaming of videos and will become an educational opportunity for the targeted age groups, k-college.

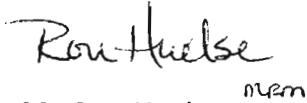
The camera will provide audio and video relating to the eagle family structure and daily activities i.e. nest building, courtship, egg laying, chick development and the fledging of the young eagles will be viewable from the camera. Activity in a nest may begin in late October. As of this writing, the adults have not returned to the nest as part of their winter bonding and stick carrying activities. Once the activity begins, it should continue through courtship, followed by egg laying in February or early March and concluding with the hatching of the eagle chicks. Educational videos are planned for documenting the eagle activity.

The nest that the camera is watching has produced two eagle chicks in the past year, and the parents have resided in the Red Rock area for, at least, six years. The eagle cam and educational videos will be accessible via the website www.gladysblackeagle.org Gladys Black, for whom the project was named, was known as "Iowa's Bird Lady", was a resident of Pleasantville, Iowa and was a well-known ornithologist and naturalist.

The Red Rock Lake Association is working with educators, curriculum directors and other interested parties to spread enthusiasm, learning opportunities and information about the camera. It is our hopes that curriculum professionals, educators and naturalists will offer ideals for meeting classroom and curriculum enhancements of the American Bald Eagle, Water Quality Issues and other environmental connections. Iowa has award winning programs through environmental education and many devoted individuals who have a great amount of knowledge and talent to assist with the education of water quality issues and other environmental connections.

Please note the attached fact sheet outlining the work program, sponsors and partners, grant opportunities and the completion of timelines. We have also enclosed a letter from Deanne Endrizzi, U.S. Fish and Wildlife Service, for the return of the check when we applied for a permit application.

Thank you and Happy Holidays,

A handwritten signature in cursive script that reads "Ron Huelse".

Mr. Ron Huelse
Red Rock Lake Association

Budget and Equipment Expenditures and Explanations

- The purchase of two complete analog cameras and encoders. This also includes all the necessary wiring for the project \$5,700.00
- Installation of the power transformer (MidAmerican Energy) \$7,500.00
All labor was "in-kind" from the electricians
- Installation of the internet services (Windstream) **All labor and parts along with waiving of monthly charges "in-kind"**
- **The attention to all details, providing expert opinions and use of necessary equipment for the entire project was provided by Musco (MCG of Oskaloosa, Iowa) "in-kind"**
- All internet services, web building, and necessary personnel for the project was put together by Central College. The Eagle Cam debut was highlighted with a positive opening statement from President Mark Putnam on November 3, 2011. Approximately 50 people attended the debut and were anxious to learn more about the project
- Approximately \$25,000.00 in grants and monies have been Received from numerous local groups and private individuals.
- REAP-CEP awarded the Red Rock Lake Association \$8,000.

We are very thankful to your group for giving us your vote of confidence for the generous amount of \$1,500.00.

Gladys Black Eagle Cam & Educational Video Project

www.gladysblackeagle.org

PURPOSE OF THE GLADYS BLACK EAGLE CAM

As a joint project between the Red Rock Lake Association and Central College, the Gladys Black Eagle Cam will help to provide information relating to the eagle's family structure by showing daily life activity: nest building, courtship, egg laying, chick development and fledging of the young.

SPONSORS & PARTNERS & CONTRIBUTORS

- American Legion of Knoxville - \$200.00
- Anonymous Donor - \$10,000.00
- Digital Solutions, Inc. - Surveillance Equipment
- Gary Hanson - Electrician
- Kay Harsin - Land Owner
- McKay Insurance Agency
- KNIA/KRLS
- Knoxville PTO - \$1500
- Marion County Conservation Board
- Mahaska Communication Group – provided manpower to mount the cameras and associated equipment
- Mid-America Communications - Electrical installation of power and the labor of 8 employees
- Musco Lighting – Crane trucks to install camera
- Pella Business Women - \$500
- 3E of Des Moines - Electrical supplies
- Windstream - Internet connection and Annual donation
- Ship It at Total Choice Shipping - Printing Services
- S.O.A.R (www.soarraptors.org)

GRANTS

- \$3000.00-Marion County Foundation
- \$8,000.00-REAP-CEP
- \$1500.00-Iowa Ornithologists Union

PROJECT MILESTONES

- | | |
|---|------------------------|
| • Electrical Work (MidAmerican Energy & Gary Hanson) | completed Sep 17, 2011 |
| • Internet connection (Windstream) | completed Sep 19, 2011 |
| • Camera Installation (Musco Lighting – crane trucks)
(DSI, Musco Communications – manpower to mount camera & equip) | completed Oct 18, 2011 |
| • Gladys Black Eagle Cam | completed Dec 01, 2011 |

PURPOSE OF THE EDUCATIONAL VIDEO PRODUCTION

To develop educational videos dealing with mammals, birds, conservation, and environment and the development and family structure of the American Bald Eagle.

PARTNERS

- Mike Montgomery, West Elementary School Principal
- Jill Van Woerkem, Knoxville School District Curriculum Director
- Curt Schwanebeck, videographer
- Baker Electric, electrical supplies

STRUCTURE

The videos will inform and educate all levels of interested parties into the magical world of science, biology, and technology. The intent is to inspire students to be a part of the wonderful world of animals and allow them to relate and enrich their educational backgrounds to possibly create a life long attachment to the science and arts in our world.



Deanne
Endrizzi/R3/FWS/DOI
05/31/2011 02:38 PM

To bull@iowatelecom.net
cc bruce.ehresman@dnr.iowa.gov, rrp@mchsi.com
bcc
Subject Application for Eagle Nest Camera

Dear Mr. Huelse:

You will be amazed to learn that your application is the first for this office for this activity. We do not require a federal permit to install a nest camera on migratory bird or eagle nests if they are installed properly and at the correct time of year. However, we have created a guidance sheet that we highly recommend following.

The fact sheet is attached.

We will be returning your check by mail.

Thanks,

Deanne Endrizzi
Wildlife Biologist
USFWS, Reg. 3, Migratory Bird Permit Office
612-713-5441

***As of May, 31, 2011, our new office address will be:
5600 W American Blvd. - Suite 990
Bloomington, MN 55437-1458***



Nest Cam fact sheet.docx