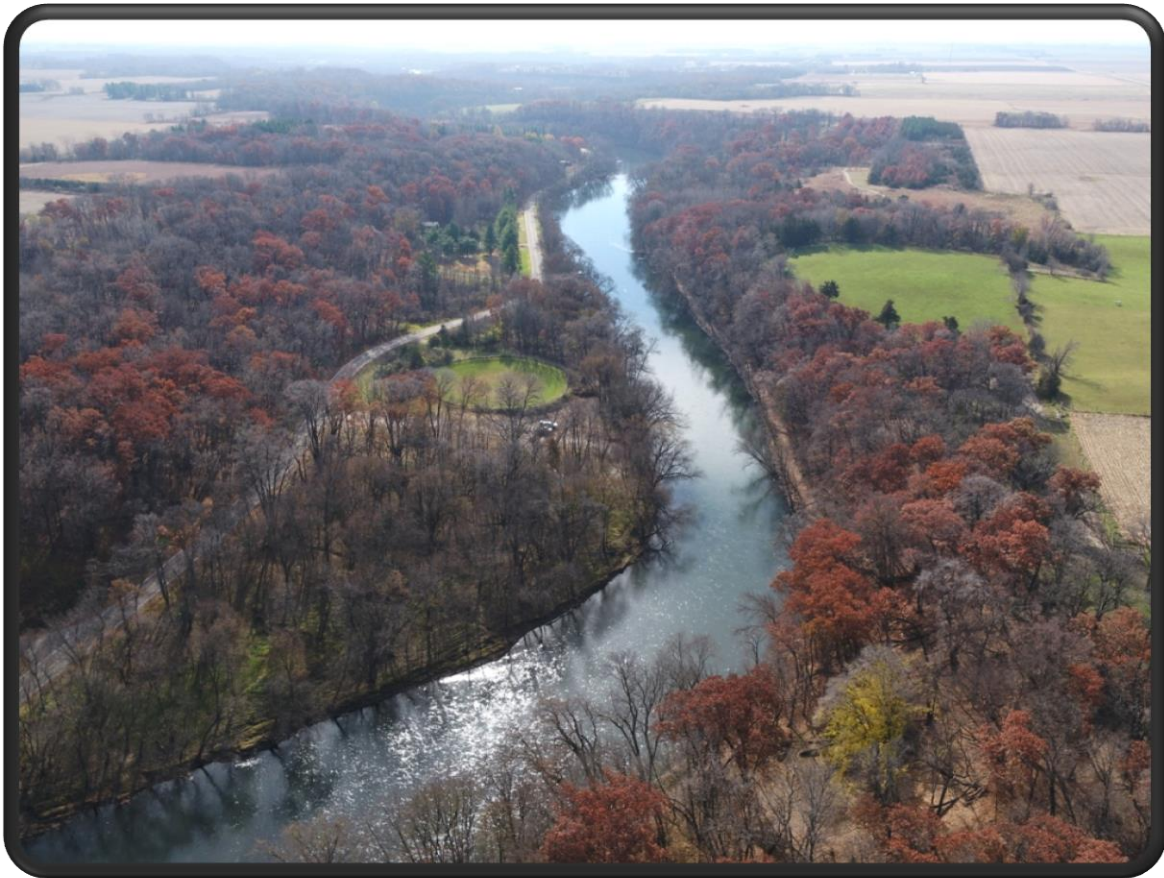


# Fish Habitat Grant



*Cedar River Rock Clusters for Fish Habitat*  
Mitchell County Conversation Board  
November 30<sup>th</sup>, 2018

**Statement of Resolution**

Whereas, the Mitchell County Conservation Board is interested in acquiring and/or developing fish habitat at Cedar Bridge Park and Bennett Access, AND Fish Habitat program funds are required for the project, NOW THEREFORE, the Mitchell County Conservation Board does hereby make application for assistance, AND further agrees to abide by all the covenants of Section 483A.3A Code of Iowa 2001 and Chapter 35 (571), Iowa Administration Code, AND further certifies this resolution was officially adopted by the Mitchell County Conservation Board at a legal meeting held on the 7th day of October, in the year of 2018.

SIGNED \_\_\_\_\_ TITLE \_\_\_\_\_

## Minority Impact Statement

Pursuant to 2008 Iowa Acts, HF 2393, Iowa Code Section 8.11, all grant applications submitted to the State of Iowa which are due beginning January 1, 2009 shall include a Minority Impact Statement. This is the state's mechanism to require grant applicants to consider the potential impact of the grant project's proposed programs or policies on minority groups.

**Please choose the statement(s) that pertains to this grant application. Complete all the information requested for the chosen statement(s).**

- The proposed grant project programs or policies could have a disproportionate or unique **positive** impact on minority persons.

Describe the positive impact expected from this project

Indicate which group is impacted:

- \_\_\_ Women
- \_\_\_ Persons with a Disability
- \_\_\_ Blacks
- \_\_\_ Latinos
- \_\_\_ Asians
- \_\_\_ Pacific Islanders
- \_\_\_ American Indians
- \_\_\_ Alaskan Native Americans
- \_\_\_ Other

- The proposed grant project programs or policies could have a disproportionate or unique **negative** impact on minority persons.

Describe the negative impact expected from this project

Present the rationale for the existence of the proposed program or policy.

Provide evidence of consultation of representatives of the minority groups impacted.

Indicate which group is impacted:

- \_\_\_ Women
- \_\_\_ Persons with a Disability
- \_\_\_ Blacks
- \_\_\_ Latinos

- \_\_\_ Asians
- \_\_\_ Pacific Islanders
- \_\_\_ American Indians
- \_\_\_ Alaskan Native Americans
- \_\_\_ Other

The proposed grant project programs or policies are **not expected to have** a disproportionate or unique impact on minority persons.

Present the rationale for determining no impact.

I hereby certify that the information on this form is complete and accurate, to the best of my knowledge:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

### Definitions

“Minority Persons”, as defined in Iowa Code Section 8.11, mean individuals who are women, persons with a disability, Blacks, Latinos, Asians or Pacific Islanders, American Indians, and Alaskan Native Americans.

“Disability”, as defined in Iowa Code Section 15.102, subsection 5, paragraph “b”, subparagraph (1):

b. As used in this subsection:

(1) “Disability” means, with respect to an individual, a physical or mental impairment that substantially limits one or more of the major life activities of the individual, a record of physical or mental impairment that substantially limits one or more of the major life activities of the individual, or being regarded as an individual with a physical or mental impairment that substantially limits one or more of the major life activities of the individual.

“Disability” does not include any of the following:

- (a) Homosexuality or bisexuality.
- (b) Transvestism, transsexualism, pedophilia, exhibitionism, voyeurism, gender identity disorders not resulting from physical impairments or other sexual behavior disorders.
- (c) Compulsive gambling, kleptomania, or pyromania.
- (d) Psychoactive substance abuse disorders resulting from current illegal use of drugs.

“State Agency”, as defined in Iowa Code Section 8.11, means a department, board, bureau, commission, or other agency or authority of the State of Iowa.

## Purpose

The purpose of this project is to increase sport fishing opportunity and quality on the Cedar River in Mitchell County. The project area consists of 2,200 feet of Cedar River habitat enhancement along two Mitchell County Conservation Board areas, Bennett Access and Cedar Bridge Park. By adding large rock clusters to the river, it will create scour holes and diversity to the river bottom. These large boulders will be added in a random technique depending on site and location. Adding the boulders along these portions of the river will drastically increase the fish habitat along with adding numerous fishing areas in some of the already well-regarded fishing areas in Mitchell County. Also, the placement of these boulders can help reduce erosion along the shoreline and increase native vegetation by letting the areas have a chance to recover and keep stress off the riverbank.

## Benefits

The boulders will be placed within casting distance of shore creating more opportunities for fishing and increasing the quality of fishing. Benefits for this project will be seen immediately once boulders are placed; scour holes form around stones and create current refuge for fish and provide overhead cover. The break can also be used during the spawning season for multiple species of fish. The placement of individual boulders and boulder clusters within the river channel creates a diversity of water depth, substrate, and velocity. It thereby increases habitat diversity of an otherwise plain riverbed. Increased diversity is evident immediately after boulder placement and improves over time as substrate is scoured and sorted during high flow events. Diverse habitats can support a greater diversity of species present in the system. Boulders provide cover in the form of interstitial spaces between the boulders, relatively deep water, air bubbles, turbulence, and they create water velocity gradients (where slow water velocities occur in close proximity to faster ones). A residual benefit is also the improvement of water quality. The increased water velocity reduces the amount of sediment and as a result improves the quality of water.

## Site Description

Cedar Bridge Park habitat site is located on the east side of one of Mitchell County Conservation Board's most popular camping parks and one of the most used access points. Bennett Access is located north of Cedar Bridge Park and is also a popular location for fishing.

Fish species sampled by Iowa Department of Natural Resources:

Golden Redhorse	Quillback Carpsucker	Orangespotted Sunfish
Carmine Shiner	White Sucker	Northern Logperch
Shorthead Redhorse	Northern Hog Sucker	River Redhorse
Smallmouth Bass	Rock Bass	Common Shiner
Spotfin Shiner	Gravel Chub	Blackside Darter
Banded Darter	Hornyhead Chub	Ozark Minnow
Sand Shiner	Green Sunfish	River Carpsucker
Common Carp	Slenderhead Darter	Johnny Darter
Bluntnose Minnow	Silver Redhorse	
Black Redhorse	Stonecat	

Other species known to be caught are:

Crappie	Walleye	Northern Pike
Large Mouth Bass	Channel Catfish	

## Location

Cedar Bridge Park location NE ¼ of NE ¼ sec 28-98N-17W

Lat: 43.2824°N Lon: 92.8541°W

1876 Hwy # 9 Osage, Iowa 50461

Bennett Access location

17-98N-17W Lat: 43.3078° N Lon: 92.8730°

3791 River Road Osage, Iowa 50461

Watershed is mostly timber and pasture along this stretch of the Cedar River

*Figure 1: Location of Sites, State of Iowa View*

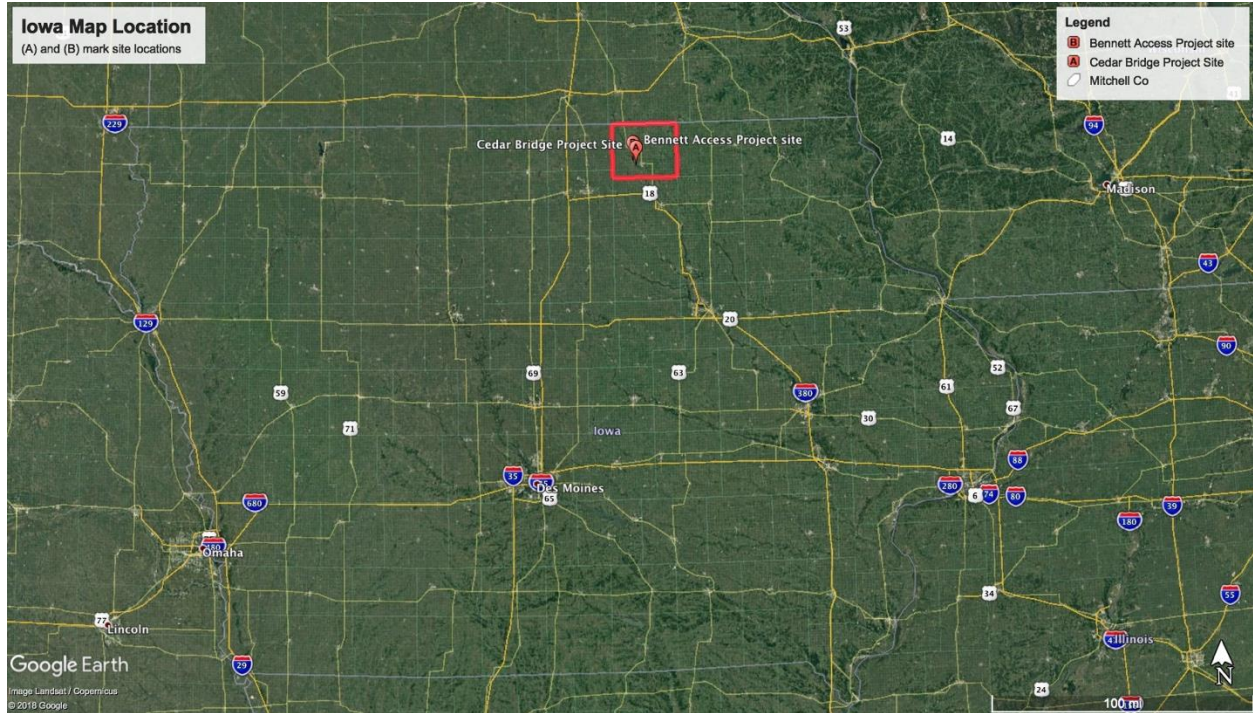


Figure 2: Location of Sites, Mitchell County View

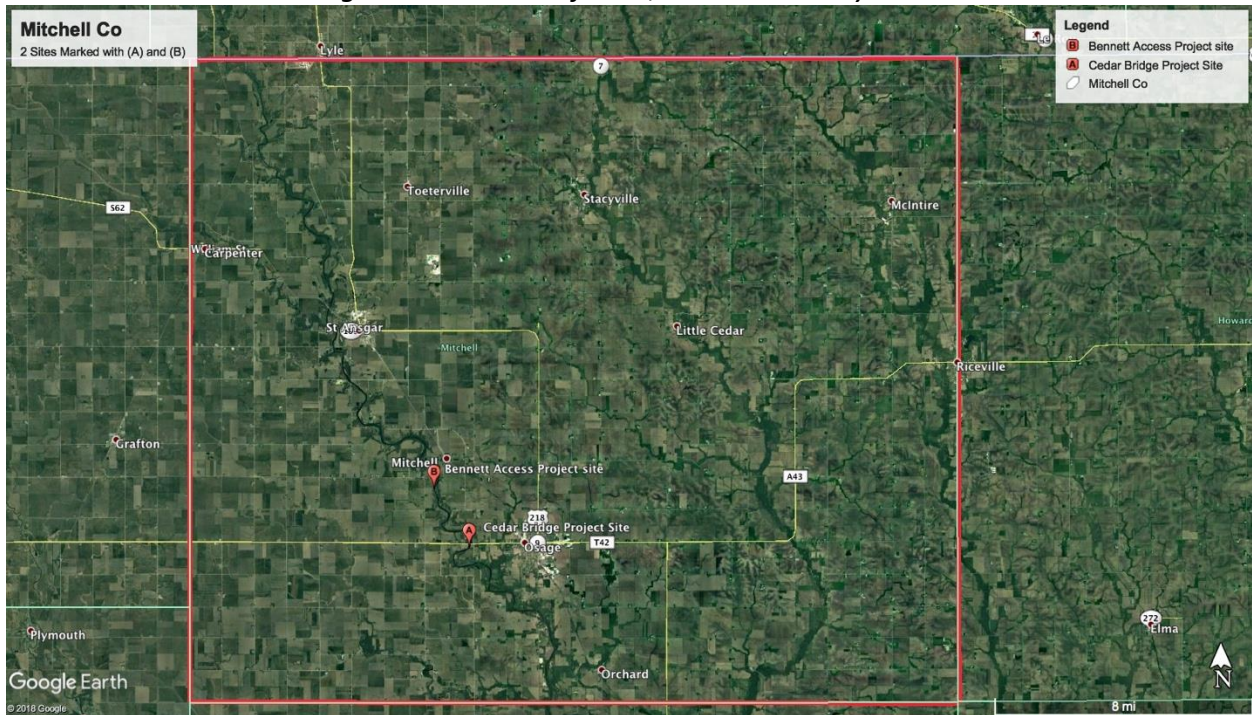


Figure 3: Location of Site, Cedar Bridge Park, Overhead Focused View

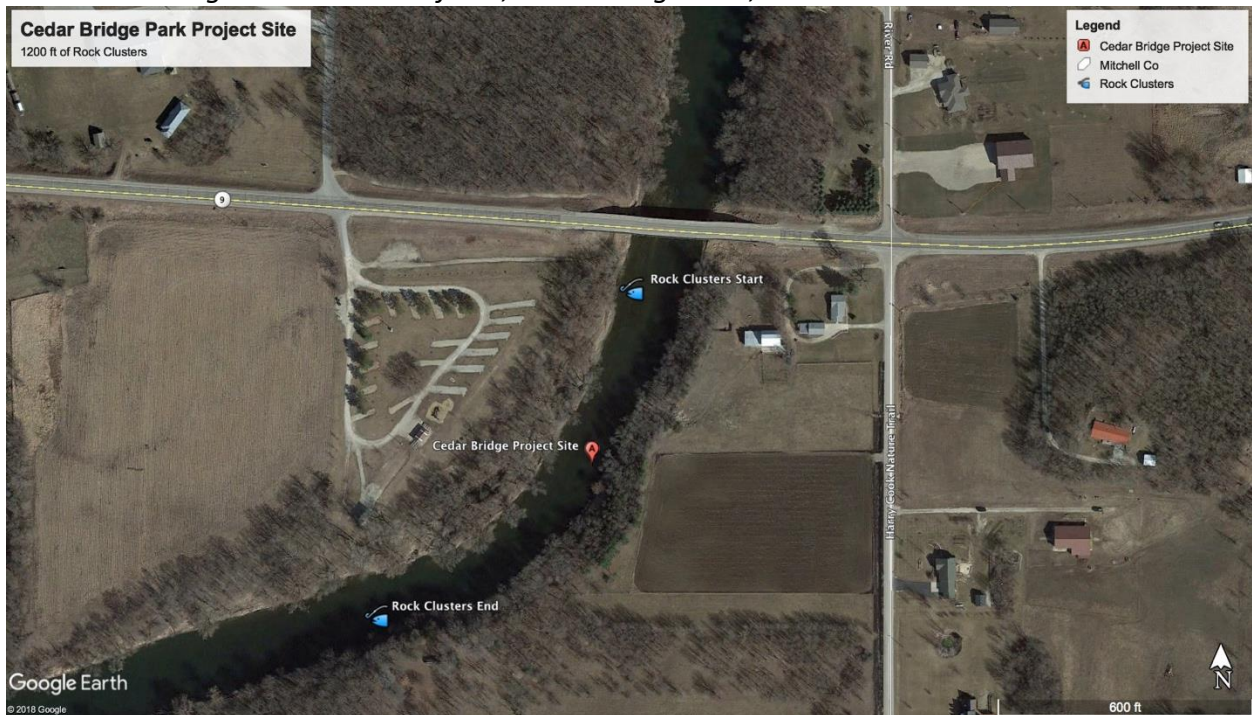
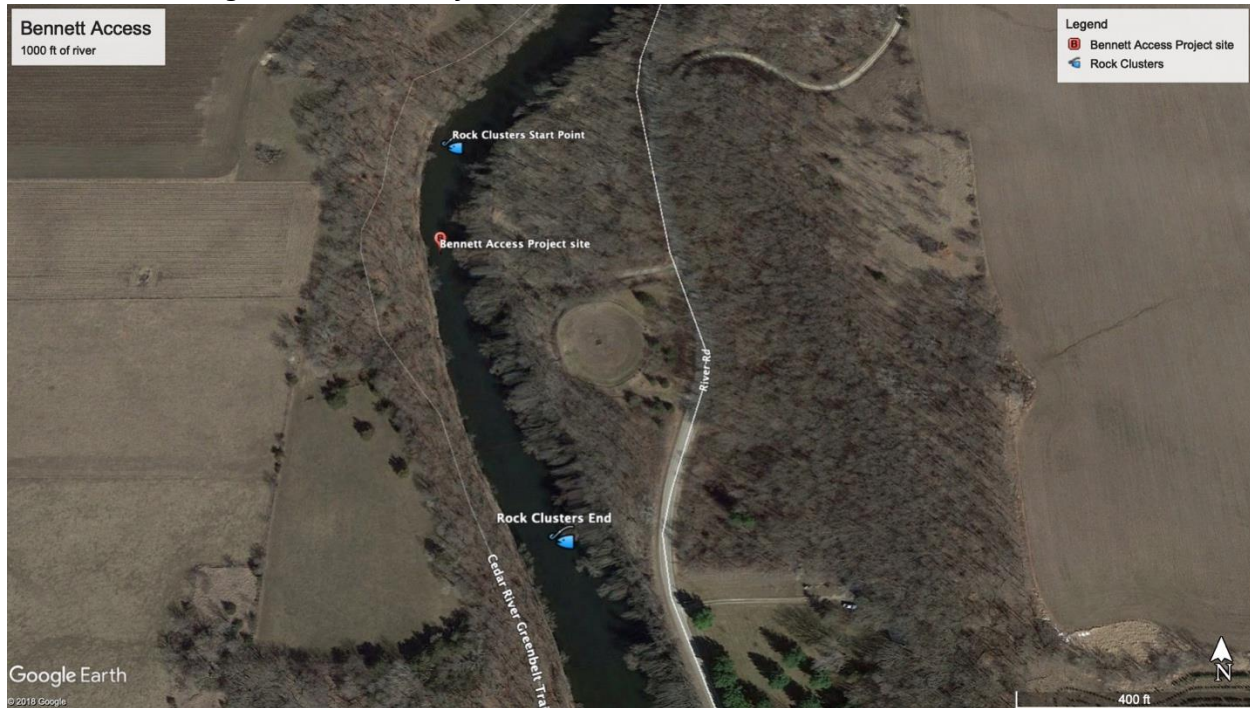


Figure 4: Location of Site, Bennett Access, Overhead Focused View



## Approach

Place large boulders in a cluster formation in 10 different areas along the stretch of Cedar River from Hwy 9 bridge south to the south border of property. An additional six clusters will be placed near Bennett access further upstream. A large end-loader will place rock from shore with assistance of Mitchell County Conservation Board staff and DNR Staff. The clusters will be placed erratically in the river and spread out to receive ideal habitat gain.

Figure 5: Boulder and Rock Clusters from the River Restoration Toolbox

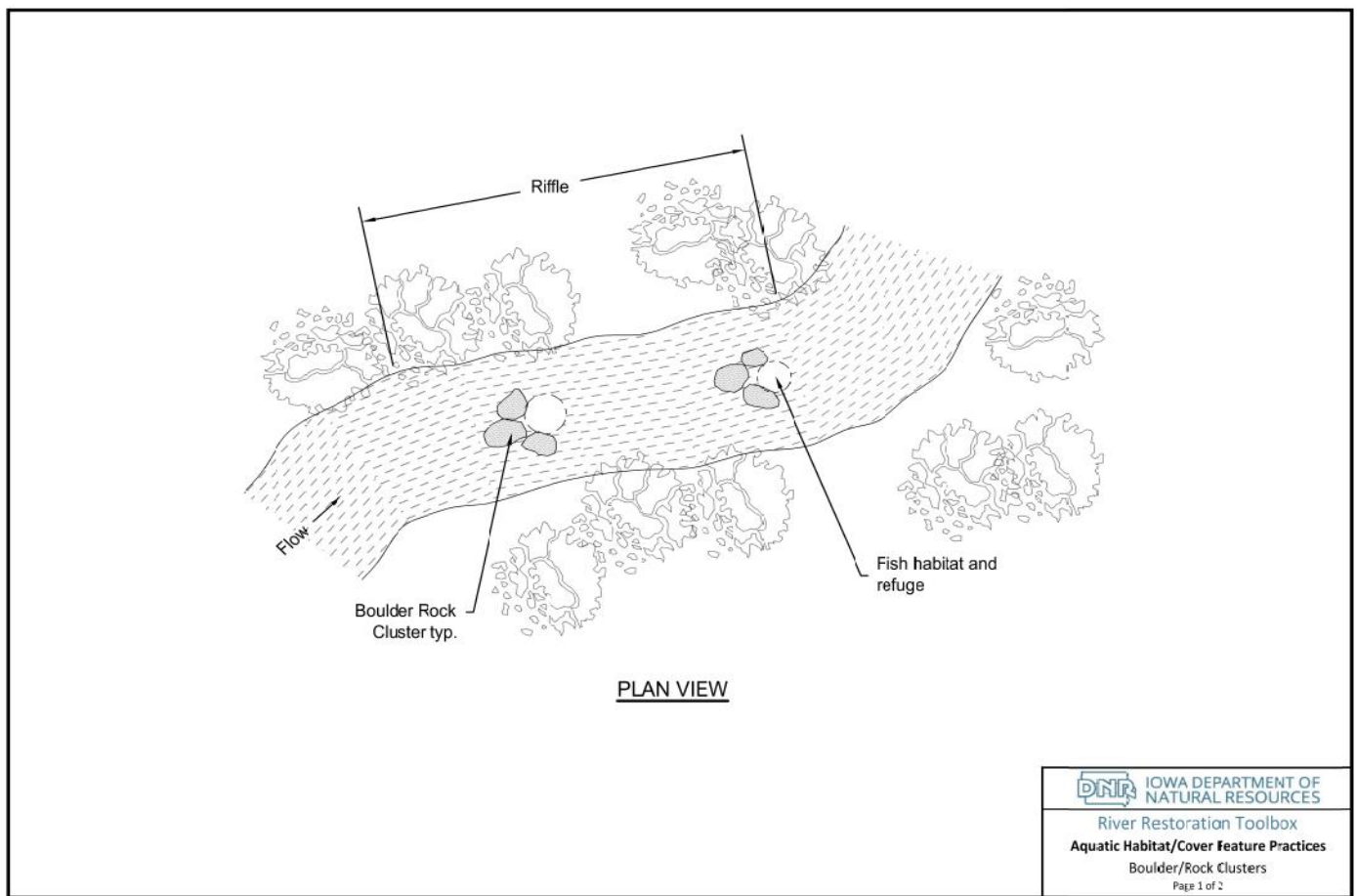
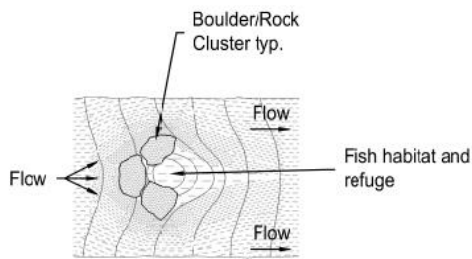
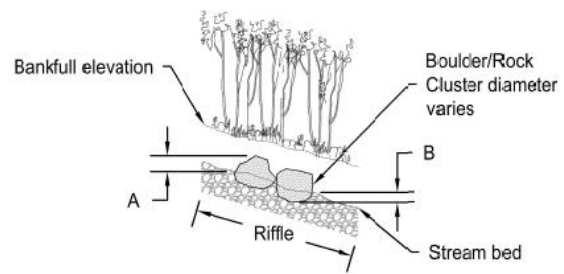


Figure 6: Boulder and Rock Clusters from the River Restoration Toolbox



BOULDER/ROCK CLUSTER DETAIL



PROFILE VIEW

## **Budget**

Price per large boulder  $\$150.00 \times 42 = \$6,300.00$

Hauling per boulder  $\$150.00 \times 42 = \$6,300.00$

Placement of boulders and site preparation =  $\$5,000.00$

Total project cost =  $\$16,600.00$

## **Permits**

Permits will be applied for upon approval of project.

## **Collaboration with DNR**

To develop this grant, Mike Siepker, DNR Fisheries Management Biologist, Theresa Shay, Natural Resource Tech. II, and Mitchell County Conservation Board have been collaborating since the middle of September via phone and a site visit in late October.

*Figure 7: Overhead view of Cedar Bridge park location*



*Figure 8: Overhead view of Bennett Access location*



*Figures 9-12: Boulder size comparison*



*Figures 10-21: Cedar Bridge Park and Bennett Access pictures from the Cedar River*













Figure 22: Lease for Bennett Access

ACQUISITION OF LAND WITHOUT STATE CONSERVATION COMMISSION APPROVAL

(Chapter 111A.4(3) Iowa Code)

MITCHELL County Conservation Board  
4 - 19 - 85 Date  
Milton R. Owen Submitted by (name)  
Executive Director Title

Name of Area Bennett Access

Location of Area 3 $\frac{1}{2}$  miles Northwest of Usage (direction) (town)

Lot 3 and 8 - 17 98  
Section Lot 2 - 17, Township 98 N, Range 17 West of the 5th P.M. 17 West

Total Acreage 15.87

Land acquired by: Purchase \_\_\_\_\_, Lease x, Gift \_\_\_\_\_,  
Agreement \_\_\_\_\_, Other (specify) \_\_\_\_\_

Cost of land in this particular transaction \$ \_\_\_\_\_

Total estimated cost of acquisition of the entire area \$ \_\_\_\_\_

General physical description of the area: \_\_\_\_\_  
Oak, maple, and ash timber with mix of open grassland areas.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

State purpose for which land is being acquired: Purpose of conservation,  
wildlife habitat, timber stand improvement, public recreation area.

**RECORDED**  
Date April 30, 1985  
STATE CONSERVATION COMM.  
By Robert D. Walker  
ADMINISTRATOR  
COUNTY CONSERVATION ACTIVITIES

LEASE

This lease, made and entered into this 2nd day of September, 1982, by and between the Osage Conservation Club hereinafter referred to as Landlord and Mitchell County, Iowa, on behalf of the Mitchell County Conservation Board, hereinafter referred to as Tenant.

Landlord in consideration of the agreements hereinafter mentioned to be kept and performed by Tenant, does hereby lease to Tenant the following described land situated in Mitchell County, Iowa:

Lots 3 and 8 in the Northeast Quarter of Section 17, Township 98 North, Range 17 West;

A parcel of land described as follows:  
Beginning at the Quarter Corner between Sections Twenty-seven and Twenty-eight (27 & 28) in Township No. Ninety-eight (98) North of Range No. Seventeen (17), thence West on Half Section line through Section No. 28, Township No. 98, Range No. 17 for a distance of 1200 feet, thence North with an inside angle of 90° 26' for a distance of 363 feet, thence East with an inside angle of 89° 34' for a distance of 1200 feet to intersection with Section line between Sections 27 and 28, 98, 17, thence South on Section line at an angle of 90° 26' for a distance of 363 feet to point of beginning, and containing ten (10) acres, more or less, inclusive of Public Highway;

Lot Two (2) in the Northeast Quarter (NE $\frac{1}{4}$ ) of Section Seventeen (17), Township Ninety-eight (98) North, Range Seventeen (17), West of the 5th P.M., Mitchell County, Iowa, containing 5.87 acres more or less according to Government Survey;

to have and to hold the same to the Tenant from the day first above written for a period of one year thereafter.

Tenant in consideration of the leasing of the premises as above set forth, and in consideration of the promises and performances herein undertaken by the Landlord, agrees with the Landlord to the following terms and conditions:

1. TERMINATION OF LEASE. This lease shall be continued for the lease term herein provided, except as it may be terminated by default of Tenant. Further, such lease shall continue after such agreed term, from year to year upon the same

terms and conditions, unless either party gives written notice to the other of election to cancel or terminate any such extended lease period whereupon the tenancy shall terminate at the end of the lease. Such written notice shall be given on or before thirty days preceeding the end of the lease period.

2. IMPROVEMENTS. All improvements and plantings of every kind and nature that may be accomplished on the above described land during the term of this lease by Tenant shall be deemed as additional rent and shall inure to the premises and become the property of the Landlord.

3. POSSESSION. Possession of the leased property by the Tenant shall be for the purpose of conservation, improvement of wild life habitat, timber stand improvement, and the creation and maintenance of public recreation areas, Cedar River accesses and public fishing and hunting areas. Tenant agrees to undertake the management of said areas and to maintain them in a manner which will best serve the stated purpose. Landlord may designate areas involved with distinctive, but appropriate, names and may erect signs, delineate boundaries and enact ordinances and regulations pertaining to the use of said areas.

Osage Conservation Club

By: Pete D. [Signature]

President

Mitchell County, Iowa

By: [Signature]  
Dorothy Kintschuh  
Auditor



THAT PART OF THE SOUTH HALF (S 1/2) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER OF SECTION NO. TWENTY-ONE (21), TOWNSHIP NO. NINETY-EIGHT (98) NORTH, RANGE NO. SEVENTEEN (17) WEST OF THE FIFTH PRINCIPAL MERIDIAN, MITCHELL COUNTY, IOWA DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHWEST CORNER OF SAID SOUTHWEST QUARTER; THENCE N 00°30' 50" W, 1319.95 FEET ALONG THE WESTERLY LINE OF SAID SOUTHWEST QUARTER OF SOUTHWEST QUARTER (SW 1/4 SW 1/4) TO THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SOUTHWEST QUARTER, THENCE N 89°59'47" E, 1309.01 FEET ALONG THE NORTHERLY LINE OF SAID SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER TO THE NORTHEAST CORNER OF SAID SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER, SAID POINT ALSO BEING THE SOUTHWEST CORNER OF SAID NORTHEAST QUARTER OF THE SOUTHWEST QUARTER, SAID POINT ALSO BEING THE POINT OF BEGINNING, THENCE N 00°42'02" W 660.06 FEET ALONG THE WESTERLY LINE OF SAID NORTHEAST QUARTER OF THE SOUTHWEST QUARTER TO THE NORTHWEST CORNER OF THE SOUTH HALF OF SAID NORTHEAST QUARTER OF THE SOUTHWEST QUARTER, THENCE N 89°59'44" E, 976.92 FEET ALONG THE NORTHERLY LINE OF SAID SOUTH HALF TO THE NORTHWEST CORNER OF THE EAST 5 ACRES OF SAID SOUTH HALF; THENCE S 00°53'07" E, 660.11 FEET ALONG THE WESTERLY LINE OF SAID EAST 5 ACRES TO THE SOUTHWEST CORNER OF SAID OF SAID EAST 5 ACRES, SAID POINT ALSO BEING ON THE SOUTHERLY LINE OF SAID NORTHEAST QUARTER OF THE SOUTHWEST QUARTER, THENCE S 89°59' 47" W, 979.05 FEET ALONG SAID SOUTHERLY LINE TO THE POINT OF BEGINNING, SAID PARCEL CONTAINING 14.82 ACRES SUBJECT TO ANY EASEMENTS RECORDED OR UNRECORDED, AND ALL THAT PART OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER (NE 1/4 NE 1/4) OF SECTION NO. TWENTY-EIGHT (28), TOWNSHIP NO. NINETY-EIGHT (98) NORTH, RANGE NO. SEVENTEEN (17) LYING AND BEING WEST OF THE CENTER OF THE CEDAR RIVER AND SOUTH OF THE PUBLIC HIGHWAY.

ABSTRACT NO. 8350. Sheet No. 1.

EXHIBIT "A"