

**Minutes of the
Natural Resource Commission
Meeting**

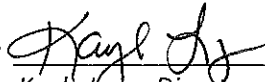
**August 8,
2019**

Meeting Held at:
Iowa Department of Natural Resources
502 E 9th St, 2nd Floor
Des Moines, Iowa

For Office Use Only

Date Minutes Approved By NRC: 09/12/19

Director's Signature:


Kayla Lyon, Director

RECORD COPY

File Name: ADM 1-1-1

NRC MINUTES

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MEETING MINUTES

CALL TO ORDER

The meeting of the Natural Resource Commission was called to order by the NRC Vice-Chair, Marcus Branstad, on 08/08/19 at 9:30am.

COMMISSIONER ATTENDANCE

Present

- Marcus Branstad, Vice Chair [9:30a – 11:58a]
- Laura Foell [9:30a – 11:58a]
- Kim Francisco, Secretary [9:30a – 11:58a]
- Laura Hommel [9:30a – 11:58a]
- Tom Prickett [9:30a – 11:58a]
- Dennis Schemmel [9:30a – 11:58a]
- Margo Underwood, Chair (by phone) [9:30a – 11:58a]

Absent

None

PUBLIC PARTICIPATION

Name	Address	Representing	Topic
Fred Long	1220 I Avenue, Jefferson IA 50129	Iowa Conservation Alliance	Public land acquisition
Randy Forburger	3516 SW 27 th St, Des Moines, IA 50321		Iowa City Bow, DNR Land Acquisition, R3

1. APPROVAL OF AGENDA

Motion – Commissioner Francisco moved to approve the agenda
 Seconded – Commissioner Foell
 Decision – Approved by Unanimous Vote

CARRIED AS PRESENTED

2. APPROVE MINUTES OF 07/11/19 NRC PUBLIC MEETING

Motion – Commissioner Foell
 Seconded – Commissioner Francisco
 Decision – Approved by Unanimous Vote

CARRIED AS PRESENTED

3. DIRECTOR’S REMARKS

Director Kayla Lyon shared her appreciation for being at the meeting and provided a brief personal background. She noted that she was excited the Governor had appointed her and she has been meeting with DNR Bureau Chiefs and staff, and will be spending time in the field looking at projects and meeting staff. Some of her first orders of business are assessing vacancies and working on the vision. She encouraged those going to the State Fair to stop by the DNR building.

4. DIVISION ADMINISTRATOR’S REMARKS

Tivon Feeley, Forestry, provided information regarding efforts in creating and planting resistant elm trees in Iowa. Joe Larscheid, Fisheries Bureau Chief, provided information regarding the 2018 licensed angler survey. Tamara McIntosh, DNR Attorney, provided information regarding an Iowa Supreme Court decision upholding a Appeals Court decision that determined rights were not violated related to a non-resident landowner challenging certain hunting privileges. Dr. Dale Garner, Division Administrator, provided information regarding Chronic Wasting Disease and testing efforts in Iowa for 2019-2020.

5. BRASS BLUEGILL AWARD AND SPECIAL RECOGNITION - 2019

Norma McCutchan, life science teacher at Nodaway Valley High School in Greenfield, is the 2019 recipient of the Brass Bluegill award from the Iowa Department of Natural Resources *Fish Iowa!* program.

McCutchan started using *Fish Iowa!* in 2012 to introduce animal behavior and Iowa’s natural resources to her sophomore classes, and share her love of the outdoors. She shares that many of her students aren’t aware of the nature around them, activities available outdoors, or the impact we have on an ecosystem. She is an outdoors person and wants to share her experiences and passion for nature, and hopefully spark an interest in fishing in her students.

McCutchan’s students study Iowa fish species found in their regional lakes, and characteristics of the fish. They learn about different fishing baits and lures and hypothesize which lure or bait they could use to catch a specific fish species. She integrates fishing and outdoor activities with conservation lessons. She is also trained in *Projects WILD*, *Aquatic WILD* and *Learning Tree* and the use of authentic (conservation) data in teaching.

After the students’ research is complete, they put their knowledge into practice during a fish outing. “I want students to experience the outdoors and joys of fishing,” McCutchan said. She reminds her students that it’s not always about catching when they go fishing, they need to be aware of lake conditions and weather.

McCutchan shares how much she enjoys introducing students to fishing: “Many of my students have never gone fishing, don’t know how to cast a rod, bait a hook, tie a hook/lure on their line, or remove a fish after it’s caught. I get the privilege to teach them these skills.”

The *Fish Iowa!* program also recognizes Leif White for his contributions to fishing education through Take a Kid Outdoors and 4-H. White is employed by the Fayette County Conservation Board, but has volunteered extensively with youth fishing programs over the past 15 years.

INFORMATIONAL

6. REQUEST FOR IOWA CITY URBAN DEER MANAGEMENT ZONE – SPECIAL HARVEST REQUEST

The Department, on behalf of the Commission, has received a request from Iowa City to hold a special deer harvest.

Requestor: Iowa City, City Manager

Proposed Request Summary: Allow the City of Iowa City to hold a special deer harvest using sharpshooters.

Date to Present to NRC: 08/08/19

Geoff Fruin, Iowa City, City Manager, provided a summary of the revised proposal.
Motion – Commissioner Francisco
Seconded – Commissioner Foell
Discussion – Commissioners shared appreciation for Iowa City’s efforts in this matter and their work toward a long term solution.
Decision – Approved by Unanimous Vote

CARRIED AS PRESENTED

7. CHAPTER 101, FALCONRY REGULATIONS – PERMIT LOTTERY DRAWING

Chapter 101 regulates the capture and use while hunting (as a method of take) of federally-protected raptors in Iowa. Raptors are migratory and therefore subject to the International Migratory Bird Treaty Act, which is overseen by the US Fish and Wildlife Service (USFWS). The USFWS determined that Peregrine Falcons, particularly the northern management population, is sufficiently stable to support a limited take, and authorized the nation’s four flyway zones to issue permits to their member states. Iowa is part of the Mississippi Flyway, whose oversight Council has decided to allocate its 48 total available permits roughly equally to all 10 of its member states.

In the spring of 2018, Chapter 101 was amended to include Peregrine Falcons as an approved species based upon an allocation of permits to Iowa through the USFWS and the Mississippi Flyway. The new amendments added five new Peregrine Falcon falconry permits for eligible falconers to obtain via a lottery system and also established special releasing and reporting requirements for any banded (i.e. tagged) raptors of any kind. These amendments became final on June 13, 2018.

Permit applicants must be General or Master Falconers with five current consecutive years of field experience. Iowa currently has twenty-three active Master Falconers and five active General Falconers who would be eligible for the lottery. A person who has obtained a falconry permit under 571 IAC 101 may apply for the status of General Falconer when they are at least 18 years of age and have at least two years of field experience. A General Falconer may apply to become a Master Falconer once they have at least five years of field experience as a General Falconer. The Department’s Law Enforcement Bureau will review the applications to ensure those entering the lottery meet the eligibility requirements.

As outlined in Chapter 101, applications are due to the DNR by July 31st, and during the August commission meeting, the Department will hold the random drawing. These permits will allow the falconer to attempt to trap a passage Peregrine Falcon in the fall of 2019.

Names drawn in order by Commissioners Foell, Hommel, Schemmel, Prickett, Branstad, Francisco, and Deputy Director Trautman:
1. Robert Kirkman 2. Lance Christensen 3. Michael Fulks 4. Emerito Galang 5. Thomas Deckert
Alt 1. Robin Woods Alt 2. Morris Jorgensen

Karen Kinkead, Wildlife Bureau, noted Chapter 101, Falconry Regulations is being evaluated for future rulemaking in coordination with Federal regulations.

INFORMATIONAL

8. CONTRACT AMENDMENT-4 WITH IOWA ASSOCIATION OF SOIL CONSERVATION DISTRICT COMMISSIONERS (AKA CONSERVATION DISTRICTS OF IOWA)

Commission approval is requested for a contract amendment with the Iowa Association of Soil Conservation District Commissioners (aka Conservation Districts of Iowa) of Des Moines, IA.

Amendment-4 Terms:

Amount: Not to exceed \$ 560,640

Dates: 8/19/2019 to 12/1/2021

Funding Source(s): Federal Conservation Partners Competitive Grant

Amendment Purpose: The Iowa DNR successfully applied for, and has received, additional funds from the Natural Resources Conservation Service (NRCS) through a federal Contribution Agreement and the National Fish and Wildlife Foundation through the Conservation Partners Competitive Grant program. The funds are to be used to extend the contract employment terms of the five Wildlife Specialists and four Wetland Easement Team Technicians that are employed through Conservation Districts of Iowa (CDI). The Contribution Agreement provides funds to maintain this staff through September 30, 2021. The individuals hired will be housed in USDA-NRCS field offices. Tasks include:

- Make contact with private landowners through personal outreach, referrals, and informational meetings.
- Develop long-term conservation plans to improve wildlife habitat and water quality, reduce erosion, and address conservation needs on the property.

- Provide technical assistance and develop CRP burn plans and management plans.
- Help clients understand and apply for financial assistance programs.
- Assist with public information activities such as writing articles and holding workshops and field days.
- Serve on interdisciplinary wetland restoration planning team.
- Write restoration and management plans for conservation easements.
- Assist with technical review for compatible use requests.
- Monitor easements for progress in reaching restoration and management goals.

Original Contract Purpose: To create a partnership between CDI and the DNR for four Wildlife Specialists and four Wetland Easement Team Technicians. The DNR will provide the structure of a Private Lands Program (PLP) within which these individuals will work to assist both the DNR and CDI. While CDI will officially supervise these individuals, the DNR Private Lands Biologists will develop the priorities and performance plan in conjunction with CDI. The individuals hired will be housed in the USDA-NRCS field office. Staff will:

- Provide habitat improvement recommendations including but not limited to pollinator habitat, wetland restoration through CRP and permanent protection programs such as WRE, prairie restoration, and prescribed fire.
- Monitor USDA wetland easements to document any regulatory, restoration, and management issues and needs in an attempt to ensure all acres enrolled in USDA easement programs are serving the wildlife needs to the highest extent possible.
- Develop management plans for existing USDA wetland easements ensuring the habitat needs for target wildlife species are addressed and accounted for.
- Through participation on the NRCS Wetland Easement Team, provide input into the development of restoration plans for new USDA wetland easements.

Selection Process Summary: Statute or federal grant contracting with the Iowa Association of Soil Conservation District Commissioners is authorized by 11 IAC 117.5(5) and 118.7.

Contract History:

Original Contract Terms: Amount \$481,600; Timeframe: 09/11/15-12/31/16; Purpose: contract staff for private lands work

Amendment-1 Terms: Amount \$965,256; Timeframe: 12/10/16-12/31/18; Purpose: extend contracted staff

Amendment-2 Terms: Amount \$500,000; Timeframe: 12/31/18-12/31/19; Purpose: extend contracted staff

Amendment-3 Terms: Amount \$66,100; Timeframe 3/15/2019 – 12/31/2019; Purpose: add one Wildlife Specialist

Motion – Commissioner Prickett
 Seconded – Commissioner Underwood
 Discussion – Brian Hickman, Wildlife Bureau, provided information that the contracted staff have local DNR lead workers as well as partnerships with USDA and NRCS. Wildlife Specialists will be located in USDA field offices in Corning, Sgt Bluff, Dickinson County, and Garner, IA, and the Wetland Technicians will be in NRCS offices in Garner, NE Iowa, SE Iowa, and Atlantic.
 Decision – Approved by Unanimous Vote

CARRIED AS PRESENTED

9. CONTRACT WITH COPPERHEAD ENVIRONMENTAL CONSULTING, INC.

Commission approval is requested for a contract with Copperhead Environmental Consulting, Inc. of Paint Lick, KY.

Contract Terms:

Amount: Not to exceed \$484,793

Dates: August 15, 2019 to December 31, 2020

Funding Source(s): Federal Grant (USFWS-Endangered Species Conservation Fund Section 6 of the Endangered Species Act)

Contract Purpose: The DNR is working to complete a multi-year study regarding the federally threatened northern long-eared bat (MYSE). This project is funded by a USFWS grant awarded to the DNR for conducting baseline studies to inform the development of a Habitat Conservation Plan (HCP) for MidAmerican Electric Company (MEC). In support of the project, the MEC provided the application’s required 25% grant match. This is the final year of the overall study which will assist the DNR in understanding where MYSE exist in the summer and winter months, their travel pathways, and their travel pathways in relation to wind facilities. The overall study includes: 1) localized acoustic and telemetry studies, 2) expanded acoustic and telemetry studies, and 3) the development of a HCP for MEC wind power facilities in Iowa. (The HCP will address the potential impacts of MEC’s current and proposed wind energy facilities on the northern long-eared bat, as well as the federally endangered Indiana bat (MYSO) and other species.)

This contract will conduct an expanded telemetry and hibernacula study to evaluate migratory movements and habitat use of the MYSE and MYSO in southwest Iowa. Earlier telemetry studies approved by the NRC occurred in central (2016) and north-central (2017) Iowa focused on MYSE. This year the study also includes MYSO because of the potential of this species to occur in this area of the state. Tasks for this contract address the following outcomes outlined in the grant:

- 1) Describe home range and habitat use for 20 MYSE and MYSO pre-migration.
- 2) Describe timing and trajectory of migration for MYSE and MYSO in southwest Iowa.
- 3) Tracking a minimum of six bats representing both species to the end point (hibernacula).
- 4) Inform the HCP of the probability of exposure to wind facilities.
- 5) Identify a minimum of 6 new potential hibernacula locations.
- 6) Describe bat activity over a 12 month continuous period of time at two known hibernacula.

The DNR intends to utilize the information gathered and analyzed in these baseline studies for conservation planning for bats, and will continue our partnership with the USFWS in this regard beyond the duration of the grant.

Selection Process Summary: The Department solicited proposals from targeted small businesses and also published a Request for Proposal (RFP) on the Department of Administrative Services website.

Proposal Due Date: 07/17/19

Review and Selection Committee: 3 members

- DNR Land & Waters Bureau (2)
- U.S. Fish and Wildlife Service (1)

Scoring Criteria: Proposals were scored based on the criteria as described in the RFP which included their ability to complete the statement of work as described in the RFP, the proposed work plan and time frame for completing the project, past performance of work identical or similar to the project, as well as demonstration of expertise, and cost. The service provider also had to have the federal permit necessary for conducting bat surveys.

Proposals Received: 2

Recommendation: Copperhead Environmental Consulting, Inc.

Bidder’s Name	Location	Score	Rank	Bid Amount
Copperhead, Inc.	Kentucky	760	1	\$484,793
West, Inc.	Wyoming	500	2	\$713,000

Motion – Commissioner Underwood
 Seconded – Commissioner Schemmel
 Discussion – Travis Baker, Land and Waters Bureau Chief, provided information about the change in contractors was due overall management of data and collection techniques, along with the change in contracted staff.
 Decision – Approved (1 nay – Commissioner Hommel)

CARRIED AS PRESENTED

10. IOWA CODE 462A.32 – REQUEST FOR PERMISSION (RESEARCH BUOYS ON IOWA LAKES)

The Department, on behalf of the Commission, has received a request for permission, pursuant to Iowa Code 462A.32 (1) and (2), to install 12 research buoys on 7 public lakes in Iowa.

Basic Intent of Iowa Code: The Commission’s approval is required by Iowa Code sections 462A.32 (1) and (2), which collectively hold that no buoy or obstruction may be placed in waters of the state by a private entity under the Commission’s jurisdiction unless authorized.

Requestor: Grace Wilkinson, Ph.D., Assistant Professor, Iowa State University, completing a research project on behalf of the Iowa Department of Natural Resources.

Request Summary: The Commission is requested to approve the placement of 12 research buoys in the following Iowa Lakes: Green Valley Lake (6 buoys), North Twin Lake (1 buoy), South Twin Lake (1 buoy), Center Lake (1 buoy), Silver Lake (Dickinson County; 1 buoy), Five Island Lake (1 buoy), and Storm Lake (1 buoy). These research buoys are being deployed to provide the Lakes Restoration Program with water quality information as a part of two studies quantifying how phosphorus is being recycled within lakes to determine which management tools are most effective for controlling phosphorus recycling. Phosphorus cycling, or internal loading, is an important piece of lake management.

Excess phosphorus in shallow lakes can fuel harmful algae blooms (HABs), which are increasing in frequency and severity in Iowa lakes and around the globe. HABs are one of the biggest concerns and challenges when initiating a restoration project in Iowa. Algae blooms are fueled by phosphorus in many lakes that both is transported to the lake from the watershed and phosphorus that is internally recycled (commonly referred to as internal loading). Internally-cycled phosphorus is driven by a variety of mechanisms, including: sediment resuspension, bioturbation from organisms such as carp, food web structure, the presence of macrophytes (aquatic plants), and the redox environment (water and oxygen chemistry). The ability to predict and understand the phosphorus cycling processes that are contributing to water quality problems in Iowa's shallow lakes is critical for implementing more cost-effective restoration and management.

Due to the research purpose of these buoys, the request for permission is to place the buoys at the specified lakes for the next four years in order to maximize the amount of data collected to best inform managers. The buoys being placed are standard federally compliant hazard buoys, which signify the underwater hazard (water quality and sedimentation sensors).

Department’s Recommendation: The Department recommends the placement of the research buoys on 7 lakes be approved. Data collected will be used to determine how phosphorus is being recycled in shallow lakes in Iowa, which is integral to developing future lake management strategies and restoration efforts.

Motion – Commissioner Foell
Seconded – Commissioner Prickett
Decision – Approved by Unanimous Vote

CARRIED AS PRESENTED

11. PUBLIC LAND ACQUISITION PROJECT: HERITAGE HILLS WILDLIFE MANAGEMENT AREA, CLARKE COUNTY – IOWA NATURAL HERITAGE FOUNDATION

The Natural Resource Commission’s approval is requested to purchase a tract of land located in Clarke County adjacent Heritage Hills Wildlife Management Area (WMA).

Seller: Iowa Natural Heritage Foundation

Acreage: 83 acres

DNR Purchase Price: \$400,000

Appraised Value: \$448,000

Property Description: This property is located 6 miles north of Murray in northwestern Clarke County. The rolling tract consists of 40 acres of timber and grassland, 42 acres of cropland, and 1 acre of road right-of-way. This tract is characterized by two long ridges separated by deep forested draws. The forested areas are a typical

oak/hickory mix. There are no building improvements. A county gravel road provides access along the west boundary of the property.

Purpose: This tract contains diverse habitats that will be managed for upland game species and associated non-game wildlife. As such, the management plan will convert the cropland to native grasses within a three year timeframe. The property is located within 25 miles of the Des Moines Metro and aligns with the Department’s effort to provide hunting opportunities proximate to population centers.

DNR Property Manager: Wildlife Bureau

Funding Source(s): Federal Pittman-Robertson

Incidental Costs: Incidental closing costs will be the responsibility of the Department.

Motion – Commissioner Schemmel
 Seconded – Commissioner Prickett
 Discussion – Travis Baker, Land and Waters Bureau Chief, and Kelly Smith, Wildlife Bureau, provided information regarding the 2018 legislative session requirement in reference to public land, parcels related to this purchase, and the status of the forest management plan.

Commissioner Schemmel noted, for the record, although a written acquisition policy may be fairly new, the DNR has a history of long term planning for acquisitions and corridors. He acknowledged those who spoke during public comment supporting land acquisition, and referenced Iowa Code 456a regarding the DNR’s powers and duties, specifically 456a.24 regarding acquiring land for specific purposes. Commissioner Schemmel requested all future land acquisitions be held as a roll call vote.

Roll Call Vote:
 Commissioner Francisco – aye
 Commissioner Prickett - aye
 Commissioner Schemmel - aye
 Commissioner Hommel - nay
 Commissioner Foell - nay
 Commissioner Branstad - aye
 Commissioner Underwood - aye

Decision – Approved (2 nays – Commissioners Foell and Hommel)

CARRIED AS PRESENTED

12. CONSTRUCTION - SMALL PROJECTS

The following Engineering managed projects have been let utilizing the Competitive Quotation process for projects \$100,000 or less:

Bid Date	Project No.	Location	County	Summary	Cost Estimate	Bids
6/27/19	19-03-22-03 Fisheries	Big Spring Fish Hatchery	Clayton	Reshape river bank, furnish and install rip rap along the bank to stabilize it to protect the hatchery roadway.	\$60,000	\$22,507.09 \$24,987.25 \$29,784.00 \$36,783.00 \$39,248.14 \$47,625.00 \$50,944.00 \$58,821.50 \$76,815.00

7/11/19	20-02-77-03 Law Enforcement	Olofson Shooting Range	Polk	Revetment and erosion stone placement, along with the placement of engineering fabric and concrete grout.	\$9,000	\$7,492.00 \$7,599.70 \$12,375.00
7/11/19	19-02-99-01 Wildlife	Clear Lake Wildlife Unit	Wright	Granular roadway maintenance that includes blading, shaping and spreading new rock.	\$40,000	\$37,151.17 \$39,875.00
7/11/19	18-02-40-01 Wildlife	Saylorville Wildlife Unit	Hamilton	Granular roadway maintenance that includes blading, shaping and spreading new rock.	\$17,500	\$12,742.32 \$16,448.60
7/16/19	20-06-70-02 Parks	Wildcat Den State Park	Muscatine	Remove and replace 50 LF of 36" CMP culvert, including pavement removal and placing rock compacted to the top of adjacent asphalt pavement.	\$7,920	\$7,940.00
7/18/19	20CRDPBDSU NN-0001	Backbone State Park	Delaware	Remove old furnace, air conditioner, and thermostat and replace with a 2-stage air handler with LP compatibility.	\$9,000	\$5,754.50 \$8,692.00

INFORMATIONAL

13. CONSTRUCTION PROJECTS

13.1. WEST LAKE OKOBOJI, ARNOLD’S PARK SEA WALL REPLACEMENT – DICKINSON COUNTY

The Department requests Commission approval of the following construction project:

Project Summary: The “lakes area” of northwest Iowa offers a tremendous array of outdoor recreation opportunities year-round. The unique setting of the beautiful East and West Okoboji, Big Spirit Lake, and other water bodies provide wonderful opportunities for outdoor recreation. This project is located on West Okoboji, in Arnold’s Park. The main public facilities at this location include the concrete boardwalk/seawall and the pier. Features include benches, lake observation areas, and easy access to dock amenities and to the Historic Arnold’s Park Amusement Park.

The seawall and concrete boardwalk were originally constructed in the late 1950’s. Since then, wave action erosion has caused the undermining of the seawall and voids under the boardwalk of the western portion. This project will shore up the existing 565 feet of seawall by installing a steel sheet pile cutoff wall that extends well below the existing seawall footing. Also, the concrete boardwalk will be removed, the voids filled, and a new concrete boardwalk will be installed.

Construction Needed: The contractor will drive sheet piling just beyond the toe of the seawall footing to a minimum depth of eight feet. The top of the sheet piling will be capped with concrete. The concrete boardwalk will be demolished, the voids filled with light weight porous concrete, and a new 10’ wide concrete boardwalk will be doweled into the existing seawall. New electrical conduits and a storm sewer main will be installed under the boardwalk.

Engineering Project #: 19-01-30-05

Cost Estimate: \$410,000.00

Operating Bureau: Parks

Funding Source: Marine Fuel Tax

Plans Issue Date: 6/27/2019

Bid Letting Date: 7/18/2019

Construction Completion Date: ~~23/31/2019~~ 12/31/19

Number of Bids Received: 2

Bidders

Graves Construction Co., Inc. Spencer, Iowa \$459,985.02

Dixon Construction Co. Correctionville, Iowa \$557,429.00

Upon Engineering’s review of bids, IDNR recommends awarding the contract to Graves Construction Co., Inc.

Travis Baker, Land and Waters Bureau Chief, corrected the completion date to 12/31/2019 vs 23/31/2019.

Motion – Commissioner Underwood

Seconded – Commissioner Foell

Decision – Approved by Unanimous Vote

CARRIED AS PRESENTED

13.2. DOLLIVER MEMORIAL STATE PARK, FLOOD REPAIRS- WEBSTER COUNTY

The Department requests Commission approval of the following construction project:

Project Summary: Dolliver Memorial State Park is located in Webster County, approximately twelve miles southeast of Fort Dodge. Rentable facilities include two CCC era lodges, a picnic shelter, 22 campsites, modern restroom and shower, a dump station, and a group camp. The group camp consists of a dining hall, modern restrooms and showers, and ten sleeping cabins. Other park amenities include trails, Copperas Beds (unique sandstone formations), streams running through the park, and a boat access to the Des Moines River.

During the summer of 2018, rain events caused severe wash outs and erosion damage along stream banks, ditches, and canyon slopes. Erosion near the trails adjacent to the streams is making them unstable and unsafe. Additionally, two 48” diameter corrugated metal trail culverts were washed out. This project will grade and armor the banks with riprap, and grade and repair the washed out trail system. Also, due to the age and degradation of the current culverts, they will be replaced.

Construction Needed: The contractor will grade the eroded banks and protect them with riprap. Two damaged corrugated metal pipe culverts will be removed and replaced with new pipes. Minor grading will occur to remove deposited silt and reconnect the trail system over the culverts.

Engineering Project #: 20-02-94-02

Cost Estimate: \$86,000.00

Operating Bureau: Parks

Funding Source: Executive Council

Plans Issue Date: 6/21/2019

Bid Letting Date: 7/11/2019

Construction Completion Date: 9/27/2019

Number of Bids Received: 1

Bidders

Dingman Construction Creston, Iowa \$76,232.16

Upon Engineering’s review of bids, IDNR recommends awarding the contract to Dingman Construction.

Motion – Commissioner Francisco

Seconded – Commissioner Prickett

Decision – Approved by Unanimous Vote

CARRIED AS PRESENTED

13.3 RED ROCK WMA, ROAD MAINTENANCE – POLK, WARREN, MARION COUNTIES

The Department requests Commission approval of the following construction project:

Project Summary: The Red Rock Wildlife Management Area extends into 4 counties and encompasses 31,123 acres of the upper end of Red Rock Lake, west of Highway 14. The area habitat is comprised of ¼ marsh and lake, ¼ timber, and ½ upland. Species supported by this diverse habitat are deer, squirrel, pheasant, waterfowl and dove. These features create a popular public area to hunt, wildlife watch, canoe, and kayak.

This project will address three granular surfaced access roads for the public which are deteriorating and in need of maintenance: Runnels Marsh Road (.65 miles), OK Hill Road (.65 miles), and Little Hartford Road (.4 miles). These areas will be regraded, the ditches will be cleaned out, and new rock surfacing will be spread. Additionally, a concrete culvert on Little Hartford road has separated joints and will be repaired.

Construction Needed: The center crown of the road will be reestablished using existing material, then new rock surfacing will be placed. Deposited sediment will be removed from the ditches. The existing concrete culvert is in good shape, so it will be reused; the end sections will be pinned together using bolts to prevent future separation.

Engineering Project #: 20-05-77-01

Cost Estimate: \$59,000.00

Operating Bureau: Wildlife

Funding Source: DOT Parks and Institutional Roads Fund

Plans Issue Date: 5/7/19

Bid Letting Date: 5/23/19

Construction Completion Date: 10/31/2019

Number of Bids Received: 4

Bidders

Sterk Excavating Inc.	Otley, IA	\$67,279.05
Burr Oak Springs	Ridgeway, IA	\$67,865.00
Midwest Liquidation, LLC	Grand Meadow, MN	\$75,655.55
Faas Construction & Excavating, Inc.	Brooklyn, IA	\$85,546.65

Upon Engineering’s review of bids, IDNR recommends awarding the contract to Sterk Excavating Inc.

Motion – Commissioner Foell
 Seconded – Commissioner Francisco
 Decision – Approved by Unanimous Vote

CARRIED AS PRESENTED

13.4 LAKE ANITA, SEAWALL REPLACEMENT - CASS COUNTY

The Department requests Commission approval of the following construction project:

Project Summary: Lake Anita State Park, dedicated in 1961, is one of the most popular outdoor recreation facilities in southwest Iowa. The parks lies just south of the town of Anita and is approximately 12 miles east of Atlantic in Cass County. The 1,062-acre park features a beautiful 171-acre lake which was formed by creating a dam on a branch of the Nishnabotna River.

The existing concrete seawall has been damaged over time by freeze/thaw cycles, ice heave, and wave erosion on the west end. There are numerous cracks and voids throughout the wall causing instability. The seawall is used for mooring 16-18 boats. The seawall needs to be replaced to ensure the integrity of the shoreline and maintain a safe structure for mooring boats.

Construction Needed: Removal of 195 feet of existing concrete seawall. A new steel sheet pile seawall, 219 feet in length, will be constructed with tieback rods and anchors for stability. The new wall will be capped with a 5 foot concrete walkway and the lakeside will be faced with treated wood bridge planks.

Engineering Project #: 19-04-15-02

Cost Estimate: \$150,000.00

August 8, 2019

Operating Bureau: Parks

Funding Source: Marine Fuel Tax

Plans Issue Date: 06/28/2019

Bid Letting Date: 07/18/2019

Construction Completion Date: 05/15/2020

Number of Bids Received: 7

Bidders

Nelson & Rock Contracting, Inc.	Onawa, Iowa	\$134,839.00
Murphy Heavy Contracting	Anita, Iowa	\$135,395.50
United Construction Services Corporation	Atlantic, Iowa	\$141,426.00
Caliber Concrete, LLC	Adair, Iowa	\$143,970.30
Peterson Contractors, Inc.	Reinbeck, Iowa	\$158,839.25
Water Works Docks & Boat Lifts, Inc.	Stoddard, Wisconsin	\$169,950.00
Jensen Construction Company	Des Moines, Iowa	\$177,582.00

Upon Engineering’s review of bids, IDNR recommends awarding the contract to Nelson & Rock Contracting, Inc.

Motion – Commissioner Francisco

Seconded – Commissioner Prickett

Decision – Approved by Unanimous Vote

CARRIED AS PRESENTED

13.5 STATE FOREST NURSERY, IRRIGATION SYSTEM – STORY COUNTY

The Department requests Commission approval of the following construction project:

Project Summary: The State Forest Nursery provides affordable, high-quality native plant material for use in timber production, wildlife habitat restoration, erosion control, and other conservation-related endeavors. Located on 98 acres just south of Highway 30 in Ames, the nursery was established by the Civilian Conservation Corps in the 1930’s and has operated continuously ever since. For irrigation needs, the nursery uses a pump capable of pumping approximately 400 gallons per minute with a network of water mains and feeder pipes to irrigate the trees. The original piping was installed in the 1970s and consists of cast iron pipe, which is now badly corroded. Also, the existing distribution system does not have enough valves to effectively control the irrigation needs.

Since the piping network is large, replacement is occurring in two phases. Phase one, completed in June 2019, replaced 2600 linear feet of water main and 765 linear feet of feeder pipe. This project will replace the remaining approximate 4,200 feet of water main and approximate 2,900 feet of the feeder pipe, and install new valves throughout the system.

Construction Needed: Replace 4,200 feet of the water main along with 2,900 feet of feeder pipe. Also, to improve the efficiency of the system, a low friction PVC pipe will be used along with multiple new gate valves for better control of the system. The new design will also provide easy drain back valves to drain pipes for the winter season.

Engineering Project #: 18-02-85-04

Cost Estimate: \$200,000.00

Operating Bureau: Parks

Funding Source: REAP Open Spaces

Plans Issue Date: 6/27/2019

Bid Letting Date: 7/18/2019

Construction Completion Date: 12/15/2019

Number of Bids Received: 2

Bidders

August 8, 2019

Natural Resource Commission Minutes

Vicker Drilling, LLC

Creston, Iowa

\$171,296.00

Mort's Water Company

Latimer, Iowa

\$205,262.11

Upon Engineering's review of bids, IDNR recommends awarding the contract to Vicker Drilling, LLC.

Motion – Commissioner Underwood

Seconded – Commissioner Schemmel

Decision – Approved by Unanimous Vote

CARRIED AS PRESENTED

13.6 VIKING LAKE STATE PARK SEDIMENT PONDS – MONTGOMERY COUNTY

The Department requests Commission approval of the following construction project:

Project Summary: Viking Lake is a 137-acre lake, initially impounded in 1957, is located within a 1,000-acre state park. Historical water quality at the lake had always been average, however following periods of heavy rainfall, turbid water conditions could persist for up to two weeks and persistent algae blooms had also been an issue at the lake. Also, Viking had historically been an above-average fishery, but introduction of yellow bass in the mid-90s led to a dramatic decline in the quality of the fishery.

Starting in the mid 2000's, a watershed coordinator worked with partners to implement corrective measures within the watershed. Examples of some of the work in the watershed (both in the park and on private land) and other past projects, include:

- IDNR constructed twenty sediment control ponds / grade stabilization structures to control soil erosion and improve water quality.
- A new 5.5 mile trail was built to connect most of the ponds in the park.
- Landowners built wetlands and terraces, and fenced cattle out of streams that feed the lake.
- The watershed project coordinator assisted a small housing development with moving from outdated individual septic systems to a community system.
- IDNR drained the lake after Labor Day (2006) and renovated the fishery to eliminate the problem yellow bass population; and, after lowering the lake, they repaired the dam gate structure, deepened and protected regions with shoreline erosion (8,000 feet), constructed jetties, and improved angler access and fish habitat.

Because of the watershed efforts and improvement in the water quality, DNR removed Viking Lake's algae impairment from Iowa's 2014 impaired waters list.

This project is to protect past investments and current condition of the lake. In 2017, a field visit to Viking by the NRCS and Parks staff identified new critical gully erosion sites. By repairing one pond and creating other sediment ponds, erosion damage will be reduced. One existing pond will have the spillway replaced, and eleven new sediment ponds will be constructed on existing gullies. The embankments will be constructed of earthfill borrowed from within the proposed pool area. This minimizes total area disturbances as well as increases the volume of the pond. The principal spillways will be constructed from smooth steel pipe.

Construction Needed: For the spillway replacement, the contractor will remove the existing corrugated metal drop-inlet structure and replace it with a smooth steel principal spillway and a smooth steel drain pipe. For the new sediment ponds, heavy earth moving equipment will be used to create the earth embankments and smooth steel pipe will be installed for the spillways.

Engineering Project #: 18-04-69-02

Cost Estimate: \$140,000.00

Operating Bureau: Lake Restoration

Funding Source: Lake Restoration

Plans Issue Date: 06/27/2019

Bid Letting Date: 07/18/2019

Completion Date: 05/31/2020

Number of Bids Received: 1

Bidders

JNC Construction, LLC

Clearfield, Iowa

\$155,733.00

Upon Engineering’s review of bids, IDNR recommends awarding the contract to JNC Construction, LLC.

Motion – Commissioner Francisco

Seconded – Commissioner Prickett

Decision – Approved by Unanimous Vote

CARRIED AS PRESENTED

13.7. LOWER MORSE LAKE WILDLIFE MANAGEMENT AREA, WETLAND RESTORATION – WRIGHT COUNTY

The Department requests Commission approval of the following construction project:

Project Summary: Lower Morse Lake Wildlife Management Area is located in the northeast corner of Wright County, and encompasses approximately 1,911 acres. The habitat types included in the wildlife management area consists of approximately 25% wetland and 75% upland habitat. Wildlife species include pheasant, waterfowl, and dove.

For this project, an earthen embankment (dam) will be constructed along the west property line. Existing tiles will be diverted to feed the new impoundment. The stop log water control structure will serve as the principal spillway. The resultant impoundment will create a 30 acre permanent pool with an average depth of 18” creating a wetland habitat that supports diverse wildlife and improves water quality. The water control structure will allow for vegetation management within the pool.

Construction Needed: The contractor will remove vegetation from the footprint of the proposed dam and haul earth fill from an adjacent borrow site. They will also furnish and install a corrugated metal stop log water control structure.

Engineering Project #: 18-02-99-03

Cost Estimate: \$50,000

Operating Bureau: Wildlife

Funding Source: Federal NAWCA Grant

Plans Issue Date: 6/27/2019

Bid Letting Date: 7/11/2019

Construction Completion Date: 12/1/2019

Number of Bids Received: 1

Bidders

Midwest Concrete & Excavating LLC

Letcher, South Dakota

\$78,798.00

Upon Engineering’s review of bids, IDNR recommends awarding the contract to Midwest Concrete & Excavating LLC.

Motion – Commissioner Prickett

Seconded – Commissioner Francisco

Discussion – Travis Baker and Heath Delzell, Engineering Bureau, provided information regarding the engineering review and bid process.

Decision – Approved by Unanimous Vote

CARRIED AS PRESENTED

14. GENERAL DISCUSSION

• Commissioner Briefing Topics

- Rules and Rulemaking Process

- **Commissioner Comments:** Commissioners welcomed the new Director, shared personal natural resource related experiences, discussed the 09/18/19 R3 Summit, and were informed they will be provided the DNR’s public land policy when finalized. It was also noted that Dr. John Downing will be presenting at Clear Lake’s Lake Association meeting. The next NRC meeting will be in Cerro Gordo County, Clear Lake area.

ADJOURNMENT

Motion to adjourn the meeting – Commissioner Schemmel
Seconded – Commissioner Francisco
Decision - Approved by Unanimous Vote
With no further business to come before the Natural Resource Commission, Vice-Chair Branstad adjourned the meeting on 08/08/19 at 11:58am

CARRIED – MEETING ADJOURNED

UPCOMING NRC MEETING DATES

- Wed, 09/11/19, 11:30 am, Field Tour: Cerro Gordo County (Best Western, 2023 7th Ave N, Clear Lake, IA)
- Thu, 09/12/19, 8:30 am, Business Meeting: Cerro Gordo County (Clear Lake Community Ctr, 10 N Lakeview Dr, Clear Lake, IA)
- Thu, 10/10/19, 9:30am, Business Meeting: IA DNR, 502 E 9th St, Des Moines, IA
- Thu, 11/14/19, 9:30am, Business Meeting: IA DNR, 502 E 9th St, Des Moines, IA
- Thu, 12/12/19, 9:30am, Business Meeting: IA DNR, 502 E 9th St, Des Moines, IA

VISITORS/ATTENDEES - SIGN IN SHEET

FOR NATURAL RESOURCE COMMISSION MEETING HELD ON

8/8/19

PLEASE PRINT

If you wish to speak before the NRC, also complete a Public Speaker Form.

NAME ADDRESS CITY, STATE, ZIP	GROUP REPRESENTING (if applicable)	TOPIC OF INTEREST
Norma McUtchan		
Randy Forburger	Independent	Iowa City Gov DNR Land Acquisition R3
Fred Long	Iowa Conservation Alliance	Public land acquisition
Des Kjel	CSA	

PUBLIC SPEAKER FORM ✓

Natural Resource Commission Meeting

(Please review the Public Participation Procedure for presentation guidance.)

PLEASE PRINT

Date: 8/8/19

Name: Randy Forburger

Address: 3516 SW 27th St.

City, State, Zip: DSM, IA 50321

Group Representing (if any): _____

Subject Matter: Iowa City Bow, DNR Land Acquisition

R3

PUBLIC SPEAKER FORM ✓

Natural Resource Commission Meeting

(Please review the Public Participation Procedure for presentation guidance.)

PLEASE PRINT

Date: 8 Aug 2019

Name: Fred Long

Address: 1220 I Ave

City, State, Zip: Jefferson Ia 50129

Group Representing (if any): Iowa Conservation Alliance

Subject Matter: Public land Acquisition

handout re stem #4
8/8/19

Dutch elm disease

This disease is not of Dutch origin, but because early work on the disease was done by Dutch pathologists in the 1920s, the disease has been called Dutch elm disease (DED). In all probability, the disease is of Asiatic origin.

A fungus called *Ophiostoma ulmi* (formerly *Ceratocystis ulmi*) that was introduced to the U.S. in the early 1930s and arrived in Iowa in the mid 1950's causes DED. The American elm, *Ulmus americana*, is extremely susceptible and the disease has killed hundreds of thousands of elms across the U.S. All native elms are susceptible, as are European elms, but the Asiatic elms, *U. parvifolia* (Lace bark elm) and *U. pumila* (Siberian elm) are highly resistant to the disease. The disease is still a threat today, but fortunately, several resistant American elm and hybrid elm selections are available or being developed.

DISEASE SPREAD

There are two insect vectors responsible for transmitting DED: the native elm bark beetle (*Hylurgopinus rufipes*) and the European elm bark beetle (*Scolytus multistriatus*). These beetles lay their eggs in infected trees. When the adult beetles emerge, they carry the fungus with them when they travel to healthy trees to feed on twigs and upper branches. From the feeding sites, the spores travel to the tree's water-conducting cells, or xylem. Chemicals produced by the tree during its attempt to fight the disease contribute to the plugging of the xylem, causing the tree to wilt. The beetles typically have two generations per year in the Midwest. DED can also be transmitted through root grafts. Root grafts between trees are especially prevalent in cramped urban and suburban parkways. The disease usually does not spread in this manner beneath roads because the road foundation prevents root grafts between trees on opposite sides. Driveways and sidewalks are usually not effective barriers to root growth.

MANAGEMENT

Both the beetles and the fungus need to be considered for control of DED. Control is possible through prevention, early detection of the disease, and replanting with resistant elms. Valuable trees should be inspected frequently, e.g. weekly, from early May through July, and monthly through September. An infected tree may be saved by pruning out the diseased branch promptly after seeing the first "flag." A final pruning cut 7-10 feet below the lowest evidence of discolored (streaked) wood is necessary, but the saw blade should be wiped (sterilized) with 10% bleach (1 part bleach: 9 parts water) or denatured alcohol before the final cut is made. Injecting trees with systemic fungicides (see below) may be done at this time. If a tree shows many flags or completely wilts and dies, it must be removed quickly so that beetles and root grafts do not transmit the disease further. Root grafts should be severed before removal of a diseased tree whenever possible.

Sanitation

The bark beetles breed in standing dead or dying elm trees and piles of elm wood with the bark attached. Therefore, trees that completely wilt and die are suitable for beetle reproduction and should be felled. Destroy the infected wood and bark by chipping and composting (chips must attain temperatures of at least 120 degrees F), or at a minimum, remove the bark from cut logs and let the logs dry out. Cut logs from diseased trees should not be kept for firewood unless all of the bark has been removed and there is no evidence of bark beetles. Transporting diseased elm firewood may spread DED to otherwise disease-free areas. Covering and sealing cut logs and chips in clear plastic during the summer will allow the sun to heat up the wood and is another way to kill the beetles and fungus. Prolonged sunny weather and high temperatures are necessary, however, for this method of sanitation, called "solarization," to be effective.

Chemical Protection and Therapy

At present, treatments of affected trees with injected fungicides show promise and should only be applied by licensed, certified arborists. If properly applied, American elms may be protected for 3 years. Be aware that repeated injections with a systemic fungicide may damage the bark and water-conducting tissues. The cost is around \$10/inch of diameter at chest height.

National Elm Restoration Project

Iowa, Wisconsin, Minnesota, Kentucky, West Virginia, Pennsylvania, Virginia, Tennessee, and Alabama joined together to restore American elms. In 2010, the USFS Northern Research Station worked with the perspective state's DNR to plant resistant elm cultivar in key forest locations to start the "Elm Orchard". These trees would naturally hybridize with the native genetics and produce mostly native DED resistant seedlings that would grow in the forest and be spread by wind and wildlife. The tree could also be relocated anywhere within the participating state. Iowa has location at Yellow River State Forest, Loess Hills State Forest, Decorah Iowa, and Mines of Spain State Park.

IOWA TREE LIST

*This is a statewide list; Species survivability may vary by location.

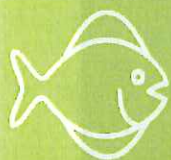
	Common Name	Scientific Name	Cultivars/ Selections
SHADE TREES	Black Maple	<i>Acer nigrum</i>	
	Red Maple	<i>Acer rubrum</i>	Burgundy Belle, Red Sunset, Scarlet Jewel, Redpoint, Somerset
	Sugar Maple	<i>Acer saccharum</i>	Commemoration, Crescendo, Endowment, Fall Fiesta, Legacy, Green Mountain
	River Birch	<i>Betula nigra</i>	Heritage
	White-barked Birch	<i>Betula populifolia</i>	Whitespire Sr.
	American Elm	<i>Ulmus Americana</i>	Jefferson, Prairie Expedition (Lewis and Clark), Princeton
	Pecan	<i>Carya illinoensis</i>	
	Shellbark Hickory	<i>Carya laciniata</i>	
	Shagbark Hickory	<i>Carya ovata</i>	
	Hackberry	<i>Celtis occidentalis</i>	Chicagoland, Prairie Pride, Windy City
	Yellowwood	<i>Cladrastis kentuckea</i>	
	Turkish Filbert	<i>Corylus columa</i>	
	Ginkgo (male only)	<i>Ginkgo biloba</i>	Autumn Gold, Golden Colonnade, Halka, Maqyar, Presidential Gold, Princeton Sentry
	Thornless Honeylocust	<i>Gleditsia triacanthos</i>	Northern Acclaim, Skyline, Shademaster
	Kentucky Coffeetree	<i>Gymnocladus dioicus</i>	
	Sweetgum	<i>Liquidambar styraciflua</i>	
	Tuliptree	<i>Liriodendron tulipifera</i>	
	Cucumbertree Magnolia	<i>Magnolia acuminata</i>	
	Blackgum	<i>Nyssa sylvatica</i>	
	London Planetree	<i>Platanus x acerfolia</i>	Bloodgood, Exclamation
	White Oak	<i>Quercus alba</i>	
	Swamp White Oak	<i>Quercus bicolor</i>	
	Scarlet Oak	<i>Quercus coccinea</i>	
	Shingle Oak	<i>Quercus imbricaria</i>	
	Bur Oak	<i>Quercus macrocarpa</i>	
	Chinkapin Oak	<i>Quercus muehlenbergii</i>	
	Pin Oak	<i>Quercus Palustris</i>	
	Northern Red Oak	<i>Quercus rubra</i>	
	American Linden	<i>Tilia americana</i>	Boulevard, Front Yard, Legend, American Sentry
	Silver Linden	<i>Tilia tomentosa</i>	
Littleleaf Linden	<i>Tilia Cordata</i>	Glenleven	
LOW-GROWING TREES	Serviceberry	<i>Amelanchier spp.</i>	Autumn Brilliance, Cole's Select, Cumulus, Princess Diana, Strata
	American Hornbeam	<i>Carpinus caroliniana</i>	
	Eastern Redbud	<i>Cercis canadensis</i>	
	Pagoda Dogwood	<i>Cornus alternifolia</i>	
	Flowering Crabapple	<i>Malus spp.</i>	Adirondack, Cardinal, David, Donald Wyman, Doublooms, Floribunda, Golden Raindrops, Harvest Gold, Indian Magic, Louisa, Mary Potter, Purple Prince, Red Jewel, Royal Fountain, Royal Raindrops, Sugar Tyme
	American Hophornbeam	<i>Ostrya virginiana</i>	
	American Plum	<i>Prunus americana</i>	
	Japanese Tree Lilac	<i>Syringa reticulata</i>	Ivory Silk, Summer Snow
CONIFERS	White Fir	<i>Abies concolor</i>	
	Norway Spruce	<i>Picea abies</i>	
	White Spruce	<i>Picea glauca</i>	
	Black Hills Spruce	<i>Picea glauca var. densata</i>	
	Serbian Spruce	<i>Picea omorika</i>	
	White Pine	<i>Pinus strobus</i>	
	Arborvitae	<i>Thuja occidentalis</i>	
	Canadian Hemlock	<i>Tsuga canadensis</i>	
	Larch	<i>Larix decidua</i>	
	Bald Cypress	<i>Taxodium distichum</i>	



2018 IOWA LICENSED ANGLERS

A randomly selected group of more than 1,600 licensed anglers participated in a recent survey conducted by Responsive Management. They were asked how often they go fishing and where, what species they fish for and their opinions on DNR fisheries management efforts.

Favorite Fish to Catch



Bluegill – 58%

Crappie – 56%

Walleye – 43%

Largemouth bass – 38%

Channel catfish – 24%



Top 5 Fishing Spots

Mississippi River

private ponds

Clear Lake

Des Moines River

West & East Okoboji Lakes



4.59 million meals of Iowa-caught fish eaten



80% eat (or their family eats) the fish they catch at least some of the time



10.5 million days fished in 2018

Happy Anglers

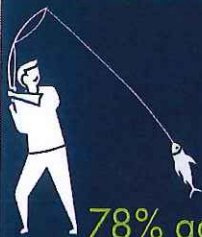
68% rate fishing in Iowa as excellent or good

78% agree they are getting their money's worth for fishing license fees

76% rate Iowa's fish management and fisheries as excellent or good

58% rate fishing opportunities close to their home as excellent or good

56% typically travel no more than 20 miles to fish in Iowa

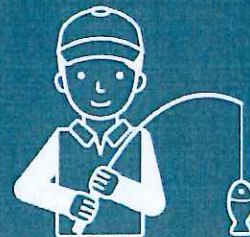


Favorite Ways to Fish



Angler Priorities

1. Protecting water quality in Iowa's waters
2. Conservation of streams and rivers
3. Improving fish habitat
4. Monitoring fisheries populations
5. Stocking fish
6. Enforcing fishing regulations
7. Planning for/ implementing lake and pond restoration projects
8. Improving angler access points at lakes, ponds, and streams
9. Installing fishing structures
10. Improving shore fishing opportunities at lakes, ponds, and streams
11. Conducting angler and creel surveys
12. Preparing weekly fishing reports
13. Preparing weekly social media materials





Brass Bluegill Award

Recognizing Outstanding Angler Education Programs

2019: Norma McCutchan

McCutchan uses *Fish Iowa!* to introduce animal behavior and Iowa's natural resources to her sophomore classes at Nodaway Valley High School in Greenfield. Her students study Iowa fish species found in their regional lakes, characteristics of the fish and make a hypothesis about which lure or bait they could use to catch a specific fish species.

2018: Faith Bruck

Logan-Magnolia Schools built a pond and wetland on school grounds in 2015 and stocked the pond for fishing. Bruck developed a fishing unit for PE that crosses over into Science classes and takes advantage of her students' outdoor interests. Students regularly fish the pond after the unit has concluded.

2017: Mid-Iowa Bassmasters

The Mid-Iowa Bassmasters have supported fishing opportunities for campers at the Easter Seals' Camp Sunnyside for decades and hosted dozens of youth fishing events, as well as the fishing village at the Iowa Outdoor Expo in Des Moines. The group assisted with the *Fish Iowa! Games* casting competition from 2006-2015.

2016: Justin Kinney

Kinney is a physical education and health instructor at Ridge View High School in Holstein where fishing is incorporated into 5th grade and junior high PE. High school students can opt to take an outdoor skills PE class that includes fishing. The course culminates in a trip to the Boundary Waters.

2015: Laura DeCook

DeCook began working with *Fish Iowa!* in 1996. As an At-Risk Coordinator, she developed a K-12 mentoring program based on fishing. She has worked with thousands of youth and adults as a naturalist and has trained some 40 other educators in *Fish Iowa!* She has been a pioneer in bow fishing education in Iowa.

2014: Mat Daniels

Daniels works with 150 at-risk students/year, using *Fish Iowa!* He teaches a nine-week course that, upon completion, students get an elective "Fish Iowa!" credit on their transcript. Daniel's *Fish Iowa!* program partners with Bass Pro Shops, Berkley, and Woods Sporting Goods.

2013: Dan Anderson

Anderson works with 20-30 sophomores through seniors in his Natural Resources Science class. The high school students help teach kindergartners and 3rd graders casting and a unit on fishing. Students visit the DNR fisheries management station in Guttenberg where they assist with electro-fishing to sample walleye and sauger.

2012: Karen Phelps

Phelps' *Fish Iowa!* programs reached more than 1000 students each year as a naturalist with the Benton County Conservation Board (CCB). She partnered a host of local conservation and education groups to connect children with the outdoors. Phelps now directs the Benton CCB.

2011: Larry Stott

Stott used the program with 6th grade students. Over almost 40 years he used various outdoor programs to involve youth in the outdoors and he ran the very popular Conservation Club at Waukon's East Elementary.

2010: Jason Thomson; Angie Christensen

Officer Thomson created an after school program with 4th grade students in 2006 to establish a better relationship between the schools and police, and to educate students to stay away from drugs. Life skills - goal setting, decision making, responsibility, improving self-esteem - are taught through fishing.

Christensen used *Fish Iowa!* with pre-K students, and trained 50 other instructors to use it as well. Christensen is always looking for ways to get kids outside playing, exploring, and learning. Christensen is also an instructor/trainer for several other DNR programs.

2009: Pete Eyheralde

Eyheralde used *Fish Iowa!* to introduce fishing to thousands of youth in Mahaska County, working with the YMCA, ISU Extension, the library, Cub Scouts, and local day care providers to take kids fishing. The Mahaska CCB summer "Fishn' Camp" is one of the most popular day camps offered. Pete now teaches at William Penn University.

2008: Brad Freidhof

Friedhof used *Fish Iowa!* to help educate thousands of youth about fish and fishing in Pocahontas and Johnson Counties. He also trained more than 20 *Fish Iowa!* instructors who reached over 5,400 youth. He oversees education and outreach for Johnson CCB.

2007: Dianne Modlin

Modlin was first trained in 1996, one of 24 educators to pilot the national Hooked on Fishing Not on Drugs® materials. She taught a fishing unit each spring for seventh and eighth- grade students at Ballard-Huxley until her retirement in 2016. She worked with thousands of youth and trained dozens of other instructors.

2006: Vic Bjork

Bjork used \$100 of his own money to purchase basic supplies and began teaching *Fish Iowa!* to 12 eager students in 1992 at the Iowa Juvenile Home. By 1994, he had expanded his little “fishing unit” into a semester-long, accredited science course with fish and fishing as the central theme. “Mr. B.” shared his passion for fishing with hundreds of Iowa’s most troubled youths.

2005: Lyle Lundgren

Lundgren was among 30 educators who piloted *Fish Iowa!* in 1990. He involved thousands of students and trained hundreds of other teachers. Lundgren incorporates field archery, orienteering, rock climbing, and rappelling in his classes. He's also used *Fish Iowa!* on Scout camping trips.

2004: Scott Kinseth

Kinseth was involved in youth education programs for more than 20 years. In 1999, he convinced Independence teachers to include *Fish Iowa!* in their “Iowa Studies” curriculum. The six- to eight-week unit is still being used and culminates in an all-day field experience.

2003: Pat Coen

Coen included *Fish Iowa!* in third-grade science class for 25 students. Students learned fish anatomy and habitats and how to operate fishing poles, tie flies, and fillet fish. Coen trained almost 100 other educators to lead *Fish Iowa!* activities and was a strong advocate for the program as a school administrator.

2002: Robert Behnkendorf

Behnkendorf and three volunteers created a youth club in Kossuth County as part of *4-H Fish Iowa!* – a cooperative effort of Iowa 4-H and the Iowa DNR that included some 4,000 4-H youth.

2001: Tom Koster

Koster worked with over 800 children of all ages and (dis)abilities through *Fish Iowa!* with the Iowa and National Chapter of the Paralyzed Veterans of America.

2000: Chuck Ungs

Ungs has used *Fish Iowa!* to help thousands of Iowa youth and adults learn to fish and enjoy our natural resources. His students range from pre-schoolers to senior citizens. Ungs has incorporated *Fish Iowa!* into water quality studies, after-school programs, fishing clinics, programs for persons with handicaps, and summer camps.

1999: Jean Ward

Ward taught *Fish Iowa!* as part of an optional “Great Outdoor” unit for fourth and fifth graders during three-week breaks in the spring and fall at a year-round school located in an inner city environment.

1998: Tom Zimmerman

Zimmerman included *Fish Iowa!* in PE. Because class sizes grew so much, a separate class was designed to allow more students a better learning experience. He took over 1,600 kids fishing through his classes and included students as teachers.

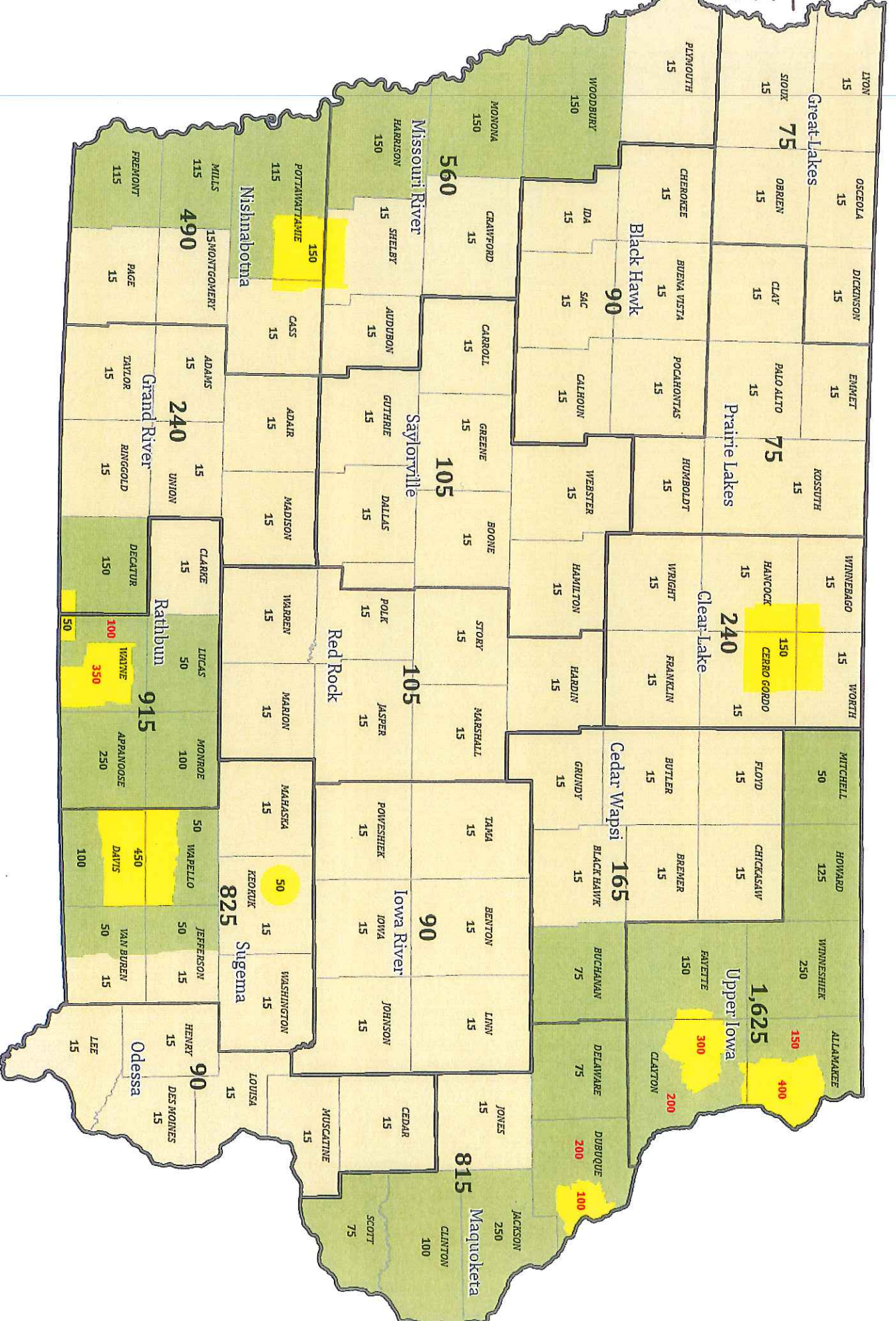
1997: Kathy Nelson

Nelson was one of approximately 200 “pioneers” who attended the first series of *Fish Iowa!* workshops. She recruited other teachers to develop a two-week interdisciplinary unit in PE, math, science, geography and language arts. Nelson recruited her successor to continue the fishing unit before her retirement.



2019-20 CWD Sample Collection Targets

Handout re item # of 8/18/19



Total Sample Target = 6,505

- Numbers in red may change slightly

1

Commissioner Training

Rulemaking

Tamara McIntosh – Legal Services Bureau

2

TOPIC

- Iowa Administrative Procedure Act
(Iowa Code chapter 17A)

STATUTORY AUTHORITY – Rulemaking ³

- Rulemaking requires a specific grant of authority.
- Said authority can be express or implied, permissive or mandatory.

8/8/2019

4

- **Express mandatory:**

“The commission shall adopt a rule permitting a crossbow to be used only by individuals with disabilities who are physically incapable of using a bow and arrow” [Iowa Code § 481A.38\(1\)“b”](#)

- **Express permissive:**

“The commission may adopt and enforce rules under chapter 17A as necessary to carry out this chapter [462A – water navigation] and to protect private and public property and the health, safety, and welfare of the public.” [Iowa Code § 462A.3](#)

8/8/2019

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- **Implied mandatory:**

"It shall be the duty of the commission to establish, maintain, improve... parks and preserves....and to provide proper public access thereto." [Iowa Code § 461A.3](#)

- **Implied permissive:**

"The commission may prohibit shooting at any reasonable distance from a state game refuge deemed necessary to accomplish the purposes for which the refuge was established." [Iowa Code § 481A.7\(2\)](#)

NRC Rules

6

571 Iowa Administrative Code chapters 1 through 116

- Chapter 1 – Operation of the NRC
- Chapter 7 – Rules of Practice in Contested Cases
- Chapter 16 – Docks and other structures on Public Waters
- Chapter 39 –Boating Passenger Capacity
- Chapter 61 – State Parks, Recreation Areas, and State Forest Camping
- Chapter 78 – Ginseng Harvest and Sale
- Chapter 98 – Wild Turkey Spring Hunting
- Chapter 115 – Whitetail Hunting Preserves

Iowa Administrative Procedure Act ⁷

- Iowa Code chapter 17A
- To be lawful, a rule must be constitutional, within the statutory authority of the agency, adopted using the required rulemaking process, and it must be reasonable
- The rulemaking process serves two basic functions:
 - **TRANSPARENCY**: notice and comment; publication
 - **OVERSIGHT**: limited opportunity for review by General Assembly, Attorney General, and Governor

PROCESS (180+ days) ⁸

- DNR staff develop draft Notice of Intended Action (NOIA)...
- Stakeholder review and input
- EO71: submit documents to Governor for preclearance
- **NOIA to NRC**
- Notice published in the Administrative Bulletin
- Public hearing and comment
- ARRC reviews Notice
- DNR staff reviews comments and revises Notice into "Final"
- **Final to NRC**
- Final published in Administrative Bulletin
- ARRC reviews Final
- Rule effective 35 days after publication

Oversight -

9

- **ARRC, Governor, Attorney General** -- Objection
- **ARRC** -- 70-day delay on either NOIA (cannot proceed) OR on effective date of a Final ; or session delay
- **Governor** – rescind adopted rule within 70 days of effectiveness

8/8/2019

10

QUESTIONS?

Tamara McIntosh
Legal Services Bureau
515-725-8242
tamara.mcintosh@dnr.iowa.gov

**IOWA DEPARTMENT OF NATURAL RESOURCES
NATURAL RESOURCE COMMISSION**

NRC Business Meeting – Thursday, August 8, 2019

Meeting Location: Iowa DNR, 502 E 9th St, Conference Room 2 North, Des Moines, IA

Meeting convenes at 9:30 am

Public Participation begins at approximately 10:00 am

1.	Approval of Agenda	Decision	Commission
2.	Approve Minutes of 07/11/19 NRC Public Meeting	Decision	Commission
3.	Director’s Remarks	Information	Kayla Lyon
4.	Division Administrator’s Remarks	Information	Dale Garner
5.	Brass Bluegill Award and Special Recognition – 2019	Information	Joe Larscheid
6.	Petition for Iowa City Urban Deer Management Zone – Special Harvest Request	Decision	IA City, City Mgr
7.	Chapter 101, Falconry Regulations – Permit Lottery Drawing	Decision	Todd Bishop
8.	Contract Amendment-4 with Iowa Association of Soil Conservation District Commissioners (aka Conservation Districts of Iowa)	Decision	Todd Bishop
9.	Contract with Copperhead Environmental Consulting, Inc.	Decision	Travis Baker
10.	Iowa Code 462A.32 – Request for Permission (Research Buoys on Iowa Lakes)	Decision	Travis Baker
11.	Public Land Acquisition Project: Heritage Hills Wildlife Management Area, Clarke County – Iowa Natural Heritage Foundation	Decision	Travis Baker
12.	Construction – Small Projects	Information	Travis Baker
13.	Construction Projects		
13.1	West Lake Okoboji, Arnold’s Park Sea Wall Replacement – Dickinson County	Decision	Travis Baker
13.2	Dolliver Memorial State Park, Flood Repairs- Webster County	Decision	Travis Baker
13.3	Red Rock WMA, Road Maintenance – Polk, Warren, Marion Counties	Decision	Travis Baker
13.4	Lake Anita, Seawall Replacement - Cass County	Decision	Travis Baker
13.5	State Forest Nursery, Irrigation System – Story County	Decision	Travis Baker
13.6	Viking Lake State Park, Sediment Ponds – Montgomery County	Decision	Travis Baker
13.7	Lower Morse Lake Wildlife Management Area, Wetland Restoration – Wright County	Decision	Travis Baker
14.	General Discussion <ul style="list-style-type: none"> • Commissioner Briefing Topics: <ul style="list-style-type: none"> ○ Rules and Rulemaking Process 		

Upcoming NRC Meeting Dates:

- Wed, 09/11/19, 11:30 am, Field Tour: Cerro Gordo County (Best Western, 2023 7th Ave N, Clear Lake, IA)
- Thu, 09/12/19, 8:30 am, Business Meeting: Cerro Gordo County (Clear Lake Community Ctr, 10 N Lakeview Dr, Clear Lake, IA)
- Thu, 10/10/19, 9:30am, Business Meeting: IA DNR, 502 E 9th St, Des Moines, IA
- Thu, 11/14/19, 9:30am, Business Meeting: IA DNR, 502 E 9th St, Des Moines, IA
- Thu, 12/12/19, 9:30am, Business Meeting: IA DNR, 502 E 9th St, Des Moines, IA

For details on the NRC meeting schedule, visit:
<http://www.iowadnr.gov/InsideDNR/BoardsCommissions/NaturalResourceCommission.aspx>

Comments during the public participation period regarding proposed rules or notices of intended action are not included in the official comments for that rule package unless they are submitted as required in the Notice of Intended Action.

Any person attending the public meeting and has special requirements such as those related to mobility or hearing impairments should contact the DNR or ADA Coordinator at 515-725-8200, Relay Iowa TTY Service 800-735-7942, or Webmaster@dnr.iowa.gov, and advise of specific needs.

**Iowa Department of Natural Resources
Natural Resource Commission**

Information Item

5. Brass Bluegill Award and Special Recognition - 2019

Norma McCutchan, life science teacher at Nodaway Valley High School in Greenfield, is the 2019 recipient of the Brass Bluegill award from the Iowa Department of Natural Resources *Fish Iowa!* program.

McCutchan started using *Fish Iowa!* in 2012 to introduce animal behavior and Iowa's natural resources to her sophomore classes, and share her love of the outdoors. She shares that many of her students aren't aware of the nature around them, activities available outdoors, or the impact we have on an ecosystem. She is an outdoors person and wants to share her experiences and passion for nature, and hopefully spark an interest in fishing in her students.

McCutchan's students study Iowa fish species found in their regional lakes, and characteristics of the fish. They learn about different fishing baits and lures and hypothesize which lure or bait they could use to catch a specific fish species. She integrates fishing and outdoor activities with conservation lessons. She is also trained in *Projects WILD*, *Aquatic WILD* and *Learning Tree* and the use of authentic (conservation) data in teaching.

After the students' research is complete, they put their knowledge into practice during a fish outing. "I want students to experience the outdoors and joys of fishing," McCutchan said. She reminds her students that it's not always about catching when they go fishing, they need to be aware of lake conditions and weather.

McCutchan shares how much she enjoys introducing students to fishing: "Many of my students have never gone fishing, don't know how to cast a rod, bait a hook, tie a hook/lure on their line, or remove a fish after it's caught. I get the privilege to teach them these skills."

The *Fish Iowa!* program also recognizes Leif White for his contributions to fishing education through Take a Kid Outdoors and 4-H. White is employed by the Fayette County Conservation Board, but has volunteered extensively with youth fishing programs over the past 15 years.

Joe Larscheid, Fisheries Bureau Chief
Conservation and Recreation Division
August 8, 2019

**Iowa Department of Natural Resources
Natural Resource Commission**

Decision Item

6. Request for Iowa City Urban Deer Management Zone – Special Harvest Request

The Department, on behalf of the Commission, has received a request from Iowa City to hold a special deer harvest.

Requestor: Iowa City, City Manager

Proposed Request Summary: Allow the City of Iowa City to hold a special deer harvest using sharpshooters.

Date to Present to NRC: 08/08/19

Attached: Petitioner's Request dated 07/19/19; I.C. City Council Approved Long Term Deer Management Plan received 08/07/19



CITY OF IOWA CITY

410 East Washington Street
Iowa City, Iowa 52240-1826
(319) 356-5000
(319) 356-5009 FAX
www.icgov.org

July 19, 2019

Natural Resource Commission
Henry Wallace Building
502 E. 9th St.
Des Moines, IA 50309

In re: August 8, 2019 Business Meeting
Urban Deer Management Zone—Special Harvest/Request to Sharp Shoot Deer

Dear Commissioners:

Thank you for the placing this request by the City of Iowa City on the agenda of your August 8, 2019 business meeting. I plan on attending your meeting, and I look forward to speaking with you again about deer management in our community.

I want to thank you for taking ninety minutes of your time on July 11 to speak to Mayor Throgmorton and me about deer management in Iowa City. Based on your comments at the July 11 meeting, City staff will have a resolution on the August 6 City Council agenda approving a 5-year deer management plan that includes the following key components:

- Sharp shooting on two occasions this upcoming winter
- Bow hunting the following four years in the fall/winter for a minimum duration of 30 days
- Density goal of 25 deer per square mile
- Detailed commitment to continual monitoring and evaluation of the City's deer management efforts

I will provide you with the approved plan after the City Council meeting on August 6. I appreciate your willingness to consider the plan on such short notice.

Thank you very much for your time and consideration.

Sincerely,

Geoff Fruin
City Manager

Copy to:

Jody Matherly, Chief of Police
Bill Campbell, Capt. Iowa City Police Dept.
Susan Dulek, Ass't. City Attorney

RESOLUTION NO. 19-216

Resolution approving the Long-Term Deer Management Plan for the Years 2019 to 2024, rescinding Resolution No. 19-167, and authorizing the City Manager to sign an agreement with White Buffalo, Inc.

Whereas, the Iowa Natural Resources Commission is authorized to approve deer management in urban areas;

Whereas, the Iowa Natural Resources Commission has requested that the City have a long-term deer management plan (i.e., 5-year); and

Whereas, the attached deer management plan is a 5-year plan to manage the City's deer population with one year of sharpshooting and four years of bow hunting along with five years of non-lethal activities; and

Whereas, Council previously approved a 5-year plan in Resolution No. 19-167, which the Iowa Natural Resources Commission did not approve and which should be rescinded accordingly; and

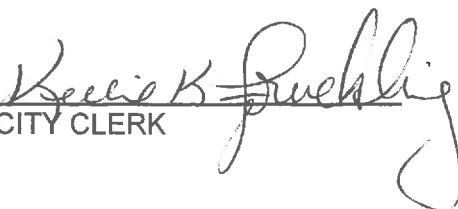
Whereas, the City Manager should be authorized to enter into a contract with White Buffalo, Inc. for sharpshooting deer in the winter of 2019-2020 to implement the attached plan.


Now, therefore, be it resolved by the City Council of Iowa City, Iowa, that:

1. The attached Long-Term Deer Management Plan for the Years 2019 to 2024 is approved.
2. The City Manager is authorized to submit the deer management plan to the Iowa Natural Resources Commission for approval.
3. Resolution No. 19-167 is rescinded.
4. Upon the direction of the City Attorney, the City Manager is authorized to sign a contract with White Buffalo, Inc. for sharpshooting in the winter of 2019-2020 to implement the attached plan.

Passed and approved this 6th day of August, 2019.


MAYOR

ATTEST: 
CITY CLERK

Approved by:

City Attorney's Office

Resolution No. 19-216
Page 2

It was moved by Mims and seconded by Cole the
Resolution be adopted, and upon roll call there were:

AYES:	NAYS:	ABSENT:	
<u>X</u>	<u> </u>	<u> </u>	Cole
<u>X</u>	<u> </u>	<u> </u>	Mims
<u>X</u>	<u> </u>	<u> </u>	Salih
<u>X</u>	<u> </u>	<u> </u>	Taylor
<u>X</u>	<u> </u>	<u> </u>	Teague
<u>X</u>	<u> </u>	<u> </u>	Thomas
<u>X</u>	<u> </u>	<u> </u>	Throgmorton

IOWA CITY LONG-TERM DEER MANAGEMENT PLAN FOR THE YEARS 2019 TO 2024

(Approved by City Council in Resolution No. 19-216 on August 6, 2019)

I. Sharpshooting in the Winter of 2019-2020

Pursuant to 571 Iowa Admin. Code 105.5, the City shall request Natural Resources Commission approval of an urban deer management zone during the winter of 2019-2020. Additionally, the City shall request that the special harvest be conducted under the following conditions:

1. The deer management area is defined as all public and private land within the corporate limits as designated by the City Council. Property owners will need to provide the City with permission.
2. The number of deer to be killed will bring the deer to a density of less than 25 deer per square mile.
3. It will be conducted solely by professional wildlife biologists trained as sharp shooters.
4. Bait may be used to attract deer to select sharpshooting locations. All baiting will be discontinued immediately and all remaining bait shall be removed if a CWD (chronic waste disease) positive test result is confirmed. If no CWD positive test result is confirmed, all bait will be removed at the end of the sharp shooting effort.
5. The deer carcasses will be individually identified (i.e., tagged) and transported whole (i.e., not field dressed) to a locker. All deer ages 1 year and older will be frozen and tested for chronic waste disease and held in individual containers until CWD test results are known. The City will enter into a contract with Iowa Dept. of Natural Resources for CWD testing and all costs will be borne by the City. The contract will contain further testing details.
6. After receiving a "not detected" CWD test result, all deer meat will be distributed free of charge at local food banks. If there is a positive CWD test, the carcass will be properly disposed of.
7. All antlers will be sawed off above the pedicle and turned over to the Iowa Dept. of Natural Resources. The locker will keep the hides.
8. Deer sharp shooting activities may occur on two separate occasions from December 1, 2019 through March 31, 2020.

II. Bow Hunting in the Fall/Winters 2020-2024

Pursuant to 571 Iowa Admin. Code 105.5, the City shall request Natural Resources Commission approval of an urban deer management zone during the fall/winters of 2020-2024.

1. The duration of the bow hunt shall be a minimum of 30 days.
2. The parameters of the bow hunt shall be developed following discussions with Dr. Garner and DNR Depredation Biologists, including the designated geographic boundaries and appropriate number of tags. The parameters shall be provided to the NRC by May 2020.

3. A request for an urban deer bow hunt shall be submitted to the NRC by May of the years 2020-2023 for the following fall/winters.

III. Continued Monitoring and Evaluation from 2019 to 2024

Monitoring and evaluating the deer management efforts (both lethal and non-lethal) shall occur on a continuing basis and shall include the following:

1. Conducting an annual aerial survey in conjunction with the DNR to determine the density level of deer per acre and providing the result to the NRC.
2. Monitoring the trends over the years with the evaluation criteria to include: winter helicopter aerial deer surveys (estimate of minimal number of deer and their distribution), tracking of total deer harvest including the number of licenses sold and percent harvest success (estimate of deer abundance based on effort and success), deer/vehicle collisions and property damage complaints. An annual report containing an evaluation of these criteria will be provided to the NRC similar to the Polk County Controlled Bow-Hunt 2018-2019 Deer Report.
3. Reviewing whether 25 deer per mile is the appropriate density level.
4. Scheduling an annual City staff review of this plan specifically and evaluation of the deer population management generally.
5. Providing for public input:
 - a. Developing a web page to accept complaints and suggestions.
 - b. Scheduling an annual listening session for members of the public to address City staff on deer management including this plan.
 - c. Placing a deer management update on a City Council agenda annually to allow members of the public to address City Council.

IV. Non-Lethal Deer Related Activities through July 2024

Below are a series of activities Iowa City is committing to provide, consider and develop. These activities are based, in part, on successful non-lethal tools used in Mentor, Ohio, Austin, Texas, and Rochester Hills, Michigan. "Provide" means placing the information on the City's website, having hard copies available upon request, and having selected hard copies available at City Hall, the library, and other locations. Note that these activities will begin before sharpshooting.

Deer-proof Fencing

Provide

- Images of deer-proof fences for gardens & other landscaping materials.

Consider

- Amending the City Code to decrease the restrictions on residential fences between 6 and 8 feet in height.

Landscaping & Gardening

Provide

- Information on deer feeding patterns, deer resistant perennials, netting, “scare-based devices (such as wind chimes with the middle striker removed so it only triggered if the deer move them), repellants and decoy plants.
- Information on barriers in the form of vegetation (such as hedges and thorny bushes to discourage deer from entering).

Consider

- Establishing a deer resistant garden as a demonstration project.

Deer-Vehicle Accidents Awareness & Prevention

Provide

- Maps showing deer vehicle accidents so residents know where to be alert to the presence of deer and where and when drivers are more likely to encounter deer.
- Educational information for drivers, such as: if you see one deer, there are likely others; deer often come out of roadside ditches or tall growth/unmowed areas, at dusk and dawn, during October-December (rut and hunting seasons), and during May/June (fawns); and defensive driving techniques (such as use of high beams at night, reducing inside vehicle lighting, and watching for deer “eyeshine” by roadsides).

Consider

- Reducing speed limits in high deer traffic areas.
- Installing seasonal signage in high traffic corridors during rut and hunting season.
- Installing Strieter-Lite reflectors, white flags along roadways, roadway sensors to warn of animals in road ahead, and strobe lights and sounds to warn deer of approaching cars.
- Requiring deer resistant plants in City right of way.
- Designing new streets or re-landscaping streets with deer attraction in mind.
- Installing roadside fencing and adding fencing to overpasses and underpasses.

Additional Educational Activities

Provide

- Links to resources from government, academia, and non-profits on deer management such as ISU Extension, Iowa Dept. of Natural Resources, and the U.S. Humane Society.
- Suggestions for how to behave around deer (such as do not approach a deer with fawn or with a dog on a leash).

Develop

- “Deer” contact person in the neighborhood associations to assist with disseminating information.
- Use of utility bill inserts for various deer related education

Other Actions

Consider

- Amending City Code to prohibit intentional feeding of deer.
- Expanding natural areas in the community that also serve as safe environments for wildlife

Potential Partnerships

Develop

- Partners to assist in implementing the plan including Iowa City Master Naturalists, Project Green, Iowa City Gardeners Facebook group, Iowa City Deer Friends, local landscaping companies, local fence companies, and University of Iowa.

**Iowa Department of Natural Resources
Natural Resource Commission**

Information Item

7. Chapter 101, Falconry Regulations – Permit Lottery Drawing

Chapter 101 regulates the capture and use while hunting (as a method of take) of federally-protected raptors in Iowa. Raptors are migratory and therefore subject to the International Migratory Bird Treaty Act, which is overseen by the US Fish and Wildlife Service (USFWS). The USFWS determined that Peregrine Falcons, particularly the northern management population, is sufficiently stable to support a limited take, and authorized the nation's four flyway zones to issue permits to their member states. Iowa is part of the Mississippi Flyway, whose oversight Council has decided to allocate its 48 total available permits roughly equally to all 10 of its member states.

In the spring of 2018, Chapter 101 was amended to include Peregrine Falcons as an approved species based upon an allocation of permits to Iowa through the USFWS and the Mississippi Flyway. The new amendments added five new Peregrine Falcon falconry permits for eligible falconers to obtain via a lottery system and also established special releasing and reporting requirements for any banded (i.e. tagged) raptors of any kind. These amendments became final on June 13, 2018.

Permit applicants must be General or Master Falconers with five current consecutive years of field experience. Iowa currently has twenty-three active Master Falconers and five active General Falconers who would be eligible for the lottery. A person who has obtained a falconry permit under 571 IAC 101 may apply for the status of General Falconer when they are at least 18 years of age and have at least two years of field experience. A General Falconer may apply to become a Master Falconer once they have at least five years of field experience as a General Falconer. The Department's Law Enforcement Bureau will review the applications to ensure those entering the lottery meet the eligibility requirements.

As outlined in Chapter 101, applications are due to the DNR by July 31st, and during the August commission meeting, the Department will hold the random drawing. These permits will allow the falconer to attempt to trap a passage Peregrine Falcon in the fall of 2019.

Todd Bishop, Wildlife Bureau Chief
Conservation and Recreation Division
August 8, 2019

Iowa Department of Natural Resources
Natural Resource Commission

Decision Item

8. Contract Amendment-4 with Iowa Association of Soil Conservation District Commissioners (aka Conservation Districts of Iowa)

Commission approval is requested for a contract amendment with the Iowa Association of Soil Conservation District Commissioners (aka Conservation Districts of Iowa) of Des Moines, IA.

Amendment-4 Terms:

Amount: Not to exceed \$ 560,640

Dates: 8/19/2019 to 12/1/2021

Funding Source(s): Federal Conservation Partners Competitive Grant

Amendment Purpose: The Iowa DNR successfully applied for, and has received, additional funds from the Natural Resources Conservation Service (NRCS) through a federal Contribution Agreement and the National Fish and Wildlife Foundation through the Conservation Partners Competitive Grant program. The funds are to be used to extend the contract employment terms of the five Wildlife Specialists and four Wetland Easement Team Technicians that are employed through Conservation Districts of Iowa (CDI). The Contribution Agreement provides funds to maintain this staff through September 30, 2021. The individuals hired will be housed in USDA-NRCS field offices. Tasks include:

- Make contact with private landowners through personal outreach, referrals, and informational meetings.
- Develop long-term conservation plans to improve wildlife habitat and water quality, reduce erosion, and address conservation needs on the property.
- Provide technical assistance and develop CRP burn plans and management plans.
- Help clients understand and apply for financial assistance programs.
- Assist with public information activities such as writing articles and holding workshops and field days.
- Serve on interdisciplinary wetland restoration planning team.
- Write restoration and management plans for conservation easements.
- Assist with technical review for compatible use requests.
- Monitor easements for progress in reaching restoration and management goals.

Original Contract Purpose: To create a partnership between CDI and the DNR for four Wildlife Specialists and four Wetland Easement Team Technicians. The DNR will provide the structure of a Private Lands Program (PLP) within which these individuals will work to assist both the DNR and CDI. While CDI will officially supervise these individuals, the DNR Private Lands Biologists will develop the priorities and performance plan in conjunction with CDI. The individuals hired will be housed in the USDA-NRCS field office. Staff will:

- Provide habitat improvement recommendations including but not limited to pollinator habitat, wetland restoration through CRP and permanent protection programs such as WRE, prairie restoration, and prescribed fire.
- Monitor USDA wetland easements to document any regulatory, restoration, and management issues and needs in an attempt to ensure all acres enrolled in USDA easement programs are serving the wildlife needs to the highest extent possible.
- Develop management plans for existing USDA wetland easements ensuring the habitat needs for target wildlife species are addressed and accounted for.
- Through participation on the NRCS Wetland Easement Team, provide input into the development of restoration plans for new USDA wetland easements.

Selection Process Summary: Statute or federal grant contracting with the Iowa Association of Soil Conservation District Commissioners is authorized by 11 IAC 117.5(5) and 118.7.

Contract History:

Original Contract Terms: Amount \$481,600; Timeframe: 09/11/15-12/31/16; Purpose: contract staff for private lands work

Amendment-1 Terms: Amount \$965,256; Timeframe: 12/10/16-12/31/18; Purpose: extend contracted staff

Amendment-2 Terms: Amount \$500,000; Timeframe: 12/31/18-12/31/19; Purpose: extend contracted staff

Amendment-3 Terms: Amount \$66,100; Timeframe 3/15/2019 – 12/31/2019; Purpose: add one Wildlife Specialist

Todd Bishop, Wildlife Bureau Chief
Conservation and Recreation Division
August 8, 2019

Iowa Department of Natural Resources
Natural Resource Commission

Decision Item

9. Contract with Copperhead Environmental Consulting, Inc.

Commission approval is requested for a contract with Copperhead Environmental Consulting, Inc. of Paint Lick, KY.

Contract Terms:

Amount: Not to exceed \$484,793

Dates: August 15, 2019 to December 31, 2020

Funding Source(s): Federal Grant (USFWS-Endangered Species Conservation Fund Section 6 of the Endangered Species Act)

Contract Purpose: The DNR is working to complete a multi-year study regarding the federally threatened northern long-eared bat (MYSE). This project is funded by a USFWS grant awarded to the DNR for conducting baseline studies to inform the development of a Habitat Conservation Plan (HCP) for MidAmerican Electric Company (MEC). In support of the project, the MEC provided the application's required 25% grant match. This is the final year of the overall study which will assist the DNR in understanding where MYSE exist in the summer and winter months, their travel pathways, and their travel pathways in relation to wind facilities. The overall study includes: 1) localized acoustic and telemetry studies, 2) expanded acoustic and telemetry studies, and 3) the development of a HCP for MEC wind power facilities in Iowa. (The HCP will address the potential impacts of MEC's current and proposed wind energy facilities on the northern long-eared bat, as well as the federally endangered Indiana bat (MYSO) and other species.)

This contract will conduct an expanded telemetry and hibernacula study to evaluate migratory movements and habitat use of the MYSE and MYSO in southwest Iowa. Earlier telemetry studies approved by the NRC occurred in central (2016) and north-central (2017) Iowa focused on MYSE. This year the study also includes MYSO because of the potential of this species to occur in this area of the state. Tasks for this contract address the following outcomes outlined in the grant:

- 1) Describe home range and habitat use for 20 MYSE and MYSO pre-migration.
- 2) Describe timing and trajectory of migration for MYSE and MYSO in southwest Iowa.
- 3) Tracking a minimum of six bats representing both species to the end point (hibernacula).
- 4) Inform the HCP of the probability of exposure to wind facilities.
- 5) Identify a minimum of 6 new potential hibernacula locations.
- 6) Describe bat activity over a 12 month continuous period of time at two known hibernacula.

The DNR intends to utilize the information gathered and analyzed in these baseline studies for conservation planning for bats, and will continue our partnership with the USFWS in this regard beyond the duration of the grant.

Selection Process Summary: The Department solicited proposals from targeted small businesses and also published a Request for Proposal (RFP) on the Department of Administrative Services website.

Proposal Due Date: 07/17/19

Review and Selection Committee: 3 members

- DNR Land & Waters Bureau (2)
- U.S. Fish and Wildlife Service (1)

Scoring Criteria: Proposals were scored based on the criteria as described in the RFP which included their ability to complete the statement of work as described in the RFP, the proposed work plan and time frame for completing the project, past performance of work identical or similar to the project, as well as demonstration of expertise, and cost. The service provider also had to have the federal permit necessary for conducting bat surveys.

Proposals Received: 2

Recommendation: Copperhead Environmental Consulting, Inc.

Bidder's Name	Location	Score	Rank	Bid Amount
Copperhead, Inc.	Kentucky	760	1	\$484,793
West, Inc.	Wyoming	500	2	\$713,000

Travis Baker, Land and Waters Bureau Chief
Conservation and Recreation Division
August 8, 2019

**Iowa Department of Natural Resources
Natural Resource Commission**

Decision Item

10. Iowa Code 462A.32 – Request for Permission (Research Buoys on Iowa Lakes)

The Department, on behalf of the Commission, has received a request for permission, pursuant to Iowa Code 462A.32 (1) and (2), to install 12 research buoys on 7 public lakes in Iowa.

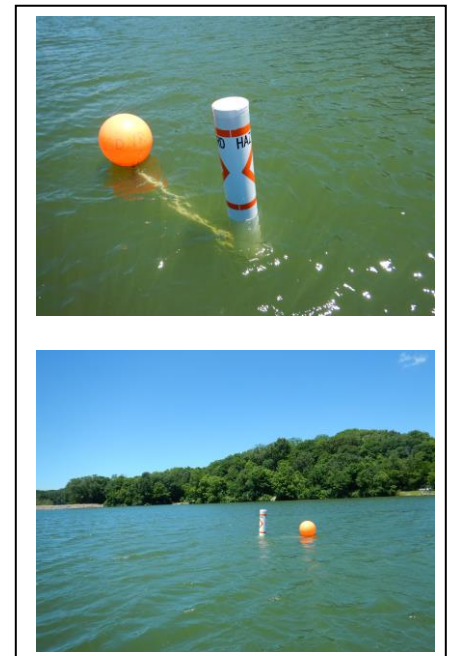
Basic Intent of Iowa Code: The Commission’s approval is required by Iowa Code sections 462A.32 (1) and (2), which collectively hold that no buoy or obstruction may be placed in waters of the state by a private entity under the Commission’s jurisdiction unless authorized.

Requestor: Grace Wilkinson, Ph.D., Assistant Professor, Iowa State University, completing a research project on behalf of the Iowa Department of Natural Resources.

Request Summary: The Commission is requested to approve the placement of 12 research buoys in the following Iowa Lakes: Green Valley Lake (6 buoys), North Twin Lake (1 buoy), South Twin Lake (1 buoy), Center Lake (1 buoy), Silver Lake (Dickinson County; 1 buoy), Five Island Lake (1 buoy), and Storm Lake (1 buoy). These research buoys are being deployed to provide the Lakes Restoration Program with water quality information as a part of two studies quantifying how phosphorus is being recycled within lakes to determine which management tools are most effective for controlling phosphorus recycling. Phosphorus cycling, or internal loading, is an important piece of lake management.

Excess phosphorus in shallow lakes can fuel harmful algae blooms (HABs), which are increasing in frequency and severity in Iowa lakes and around the globe. HABs are one of the biggest concerns and challenges when initiating a restoration project in Iowa. Algae blooms are fueled by phosphorus in many lakes that both is transported to the lake from the watershed and phosphorus that is internally recycled (commonly referred to as internal loading). Internally-cycled phosphorus is driven by a variety of mechanisms, including: sediment resuspension, bioturbation from organisms such as carp, food web structure, the presence of macrophytes (aquatic plants), and the redox environment (water and oxygen chemistry). The ability to predict and understand the phosphorus cycling processes that are contributing to water quality problems in Iowa's shallow lakes is critical for implementing more cost-effective restoration and management.

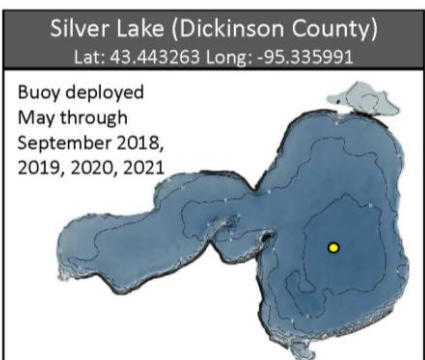
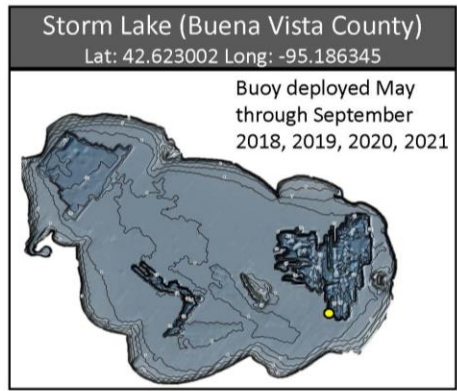
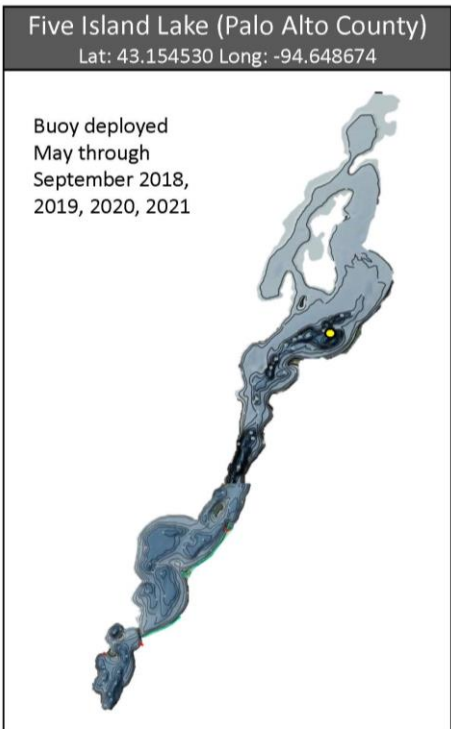
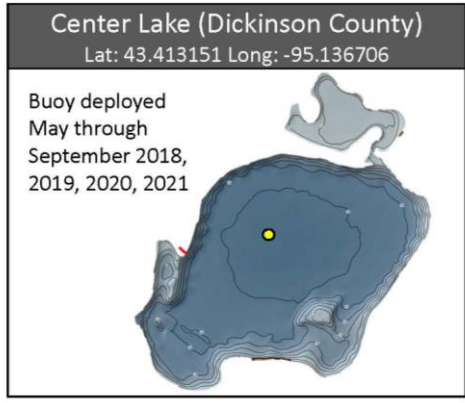
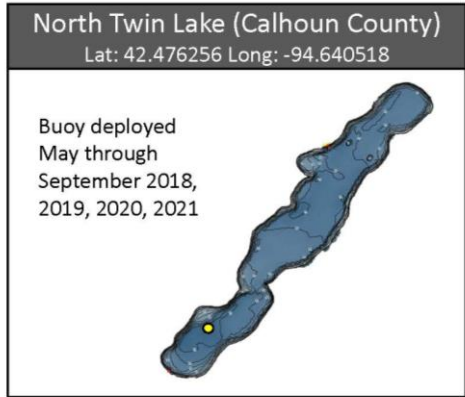
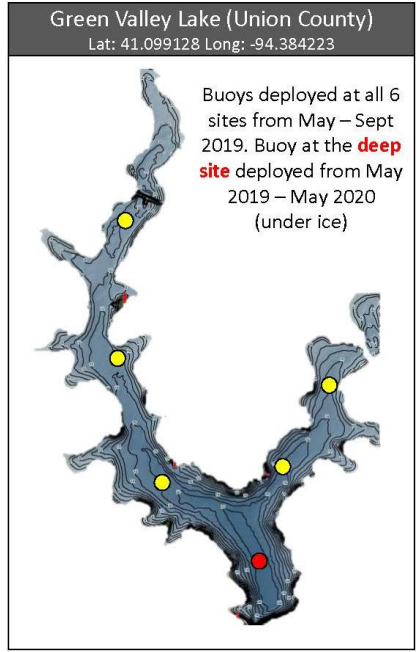
Due to the research purpose of these buoys, the request for permission is to place the buoys at the specified lakes for the next four years in order to maximize the amount of data collected to best inform managers. The buoys being placed are standard federally compliant hazard buoys, which signify the underwater hazard (water quality and sedimentation sensors).





SUMMARY:

Lake	Years	Project
Green Valley	2019-2020	Study of Green Valley Lake Stratification and Phosphorus Cycling
North Twin	2019-2022	Quantifying phosphorus dynamics in shallow iowa lakes to inform restoration efforts
South Twin	2019-2022	
Center	2019-2022	
Silver	2019-2022	
Five Island	2019-2022	
Storm	2019-2022	



Department’s Recommendation: The Department recommends the placement of the research buoys on 7 lakes be approved. Data collected will be used to determine how phosphorus is being recycled in shallow lakes in Iowa, which is integral to developing future lake management strategies and restoration efforts.

Travis Baker, Land and Waters Bureau Chief
Conservation and Recreation Division
August 8, 2019

**Iowa Department of Natural Resources
Natural Resource Commission**

Decision Item

11. Public Land Acquisition Project: Heritage Hills Wildlife Management Area, Clarke County – Iowa Natural Heritage Foundation

The Natural Resource Commission's approval is requested to purchase a tract of land located in Clarke County adjacent Heritage Hills Wildlife Management Area (WMA).

Seller: Iowa Natural Heritage Foundation

Acreage: 83 acres

DNR Purchase Price: \$400,000

Appraised Value: \$448,000

Property Description: This property is located 6 miles north of Murray in northwestern Clarke County. The rolling tract consists of 40 acres of timber and grassland, 42 acres of cropland, and 1 acre of road right-of-way. This tract is characterized by two long ridges separated by deep forested draws. The forested areas are a typical oak/hickory mix. There are no building improvements. A county gravel road provides access along the west boundary of the property.

Purpose: This tract contains diverse habitats that will be managed for upland game species and associated non-game wildlife. As such, the management plan will convert the cropland to native grasses within a three year timeframe. The property is located within 25 miles of the Des Moines Metro and aligns with the Department's effort to provide hunting opportunities proximate to population centers.

DNR Property Manager: Wildlife Bureau

Funding Source(s): Federal Pittman-Robertson

Incidental Costs: Incidental closing costs will be the responsibility of the Department.

Travis Baker, Land & Waters Bureau Chief
Conservation and Recreation Division
August 8, 2019

**Iowa Department of Natural Resources
Natural Resource Commission**

Information Item

12. Construction - Small Projects

The following Engineering managed projects have been let utilizing the Competitive Quotation process for projects \$100,000 or less:

Bid Date	Project No.	Location	County	Summary	Cost Estimate	Bids
6/27/19	19-03-22-03 Fisheries	Big Spring Fish Hatchery	Clayton	Reshape river bank, furnish and install rip rap along the bank to stabilize it to protect the hatchery roadway.	\$60,000	\$22,507.09 \$24,987.25 \$29,784.00 \$36,783.00 \$39,248.14 \$47,625.00 \$50,944.00 \$58,821.50 \$76,815.00
7/11/19	20-02-77-03 Law Enforcement	Olofson Shooting Range	Polk	Revetment and erosion stone placement, along with the placement of engineering fabric and concrete grout.	\$9,000	\$7,492.00 \$7,599.70 \$12,375.00
7/11/19	19-02-99-01 Wildlife	Clear Lake Wildlife Unit	Wright	Granular roadway maintenance that includes blading, shaping and spreading new rock.	\$40,000	\$37,151.17 \$39,875.00
7/11/19	18-02-40-01 Wildlife	Saylorville Wildlife Unit	Hamilton	Granular roadway maintenance that includes blading, shaping and spreading new rock.	\$17,500	\$12,742.32 \$16,448.60
7/16/19	20-06-70-02 Parks	Wildcat Den State Park	Muscatine	Remove and replace 50 LF of 36" CMP culvert, including pavement removal and placing rock compacted to the top of adjacent asphalt pavement.	\$7,920	\$7,940.00
7/18/19	20CRDPBDSU NN-0001	Backbone State Park	Delaware	Remove old furnace, air conditioner, and thermostat and replace with a 2-stage air handler with LP compatibility.	\$9,000	\$5,754.50 \$8,692.00

Travis Baker, Land & Waters Bureau Chief
Conservation and Recreation Division
August 8, 2019

**Iowa Department of Natural Resources
Natural Resource Commission**

Decision Item

13. Construction Projects

13.1. West Lake Okoboji, Arnold’s Park Sea Wall Replacement – Dickinson County

The Department requests Commission approval of the following construction project:

Project Summary: The “lakes area” of northwest Iowa offers a tremendous array of outdoor recreation opportunities year-round. The unique setting of the beautiful East and West Okoboji, Big Spirit Lake, and other water bodies provide wonderful opportunities for outdoor recreation. This project is located on West Okoboji, in Arnold’s Park. The main public facilities at this location include the concrete boardwalk/seawall and the pier. Features include benches, lake observation areas, and easy access to dock amenities and to the Historic Arnold’s Park Amusement Park.

The seawall and concrete boardwalk were originally constructed in the late 1950’s. Since then, wave action erosion has caused the undermining of the seawall and voids under the boardwalk of the western portion. This project will shore up the existing 565 feet of seawall by installing a steel sheet pile cutoff wall that extends well below the existing seawall footing. Also, the concrete boardwalk will be removed, the voids filled, and a new concrete boardwalk will be installed.

Construction Needed: The contractor will drive sheet piling just beyond the toe of the seawall footing to a minimum depth of eight feet. The top of the sheet piling will be capped with concrete. The concrete boardwalk will be demolished, the voids filled with light weight porous concrete, and a new 10’ wide concrete boardwalk will be doweled into the existing seawall. New electrical conduits and a storm sewer main will be installed under the boardwalk.

Engineering Project #: 19-01-30-05

Cost Estimate: \$410,000.00

Operating Bureau: Parks

Funding Source: Marine Fuel Tax

Plans Issue Date: 6/27/2019

Bid Letting Date: 7/18/2019

Construction Completion Date: 23/31/2019

Number of Bids Received: 2

Bidders

Graves Construction Co., Inc.

Spencer, Iowa

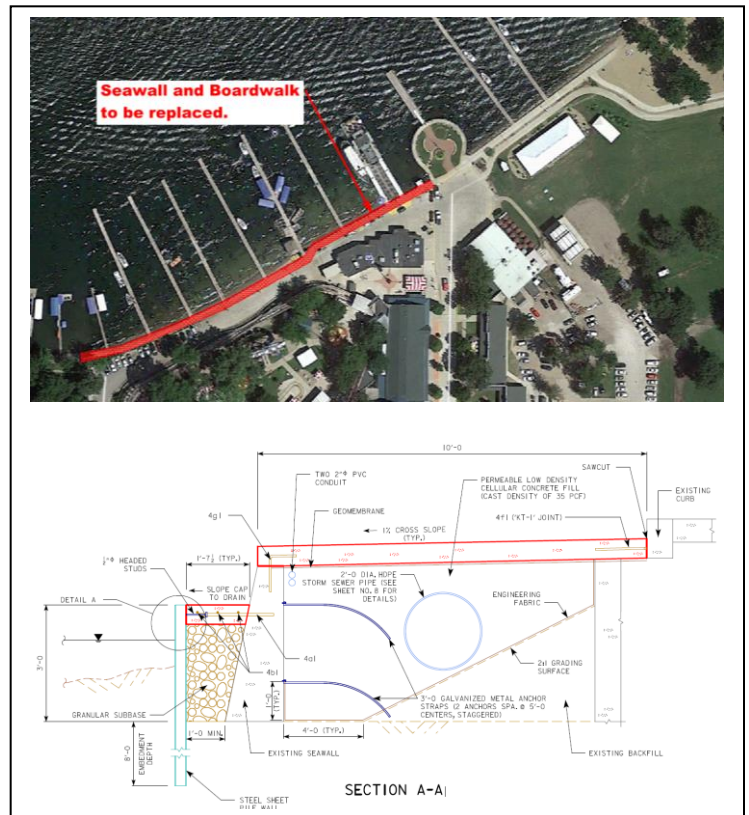
\$459,985.02

Dixon Construction Co.

Correctionville, Iowa

\$557,429.00

Upon Engineering’s review of bids, IDNR recommends awarding the contract to Graves Construction Co., Inc.



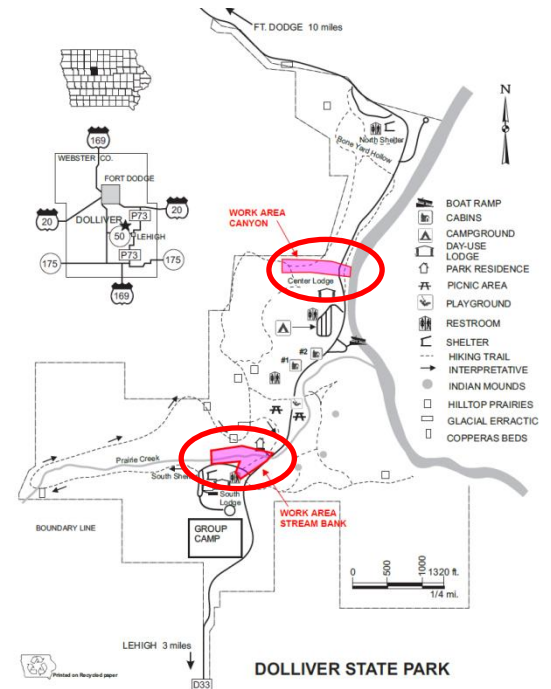
13.2. Dolliver Memorial State Park, Flood Repairs- Webster County

The Department requests Commission approval of the following construction project:

Project Summary: Dolliver Memorial State Park is located in Webster County, approximately twelve miles southeast of Fort Dodge. Rentable facilities include two CCC era lodges, a picnic shelter, 22 campsites, modern restroom and shower, a dump station, and a group camp. The group camp consists of a dining hall, modern restrooms and showers, and ten sleeping cabins. Other park amenities include trails, Copperas Beds (unique sandstone formations), streams running through the park, and a boat access to the Des Moines River.

During the summer of 2018, rain events caused severe wash outs and erosion damage along stream banks, ditches, and canyon slopes. Erosion near the trails adjacent to the streams is making them unstable and unsafe. Additionally, two 48" diameter corrugated metal trail culverts were washed out. This project will grade and armor the banks with riprap, and grade and repair the washed out trail system. Also, due to the age and degradation of the current culverts, they will be replaced.

Construction Needed: The contractor will grade the eroded banks and protect them with riprap. Two damaged corrugated metal pipe culverts will be removed and replaced with new pipes. Minor grading will occur to remove deposited silt and reconnect the trail system over the culverts.



Engineering Project #: 20-02-94-02

Cost Estimate: \$86,000.00

Operating Bureau: Parks

Funding Source: Executive Council

Plans Issue Date: 6/21/2019

Bid Letting Date: 7/11/2019

Construction Completion Date: 9/27/2019

Number of Bids Received: 1

Bidders

Dingman Construction

Creston, Iowa

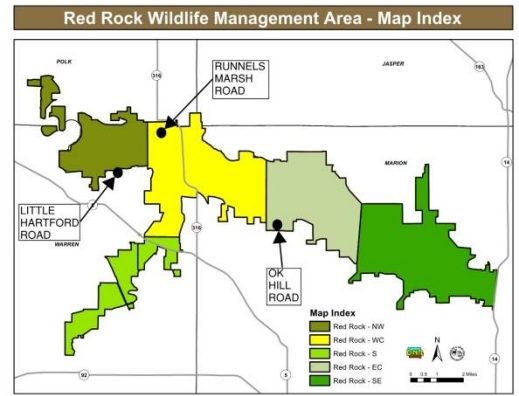
\$76,232.16

Upon Engineering’s review of bids, IDNR recommends awarding the contract to Dingman Construction.

13.3 Red Rock WMA, Road Maintenance – Polk, Warren, Marion Counties

The Department requests Commission approval of the following construction project:

Project Summary: The Red Rock Wildlife Management Area extends into 4 counties and encompasses 31,123 acres of the upper end of Red Rock Lake, west of Highway 14. The area habitat is comprised of ¼ marsh and lake, ¼ timber, and ½ upland. Species supported by this diverse habitat are deer, squirrel, pheasant, waterfowl and dove. These features create a popular public area to hunt, wildlife watch, canoe, and kayak.



This project will address three granular surfaced access roads for the public which are deteriorating and in need of maintenance: Runnels Marsh Road (.65 miles), OK Hill Road (.65 miles), and Little Hartford Road (.4 miles). These areas will be regraded, the ditches will be cleaned out, and new rock surfacing will be spread. Additionally, a concrete culvert on Little Hartford road has separated joints and will be repaired.

Runnels Marsh Road



OK Hill Road



Little Hartford Road



Construction Needed: The center crown of the road will be reestablished using existing material, then new rock surfacing will be placed. Deposited sediment will be removed from the ditches. The existing concrete culvert is in good shape, so it will be reused; the end sections will be pinned together using bolts to prevent future separation.

Engineering Project #: 20-05-77-01

Cost Estimate: \$59,000.00

Operating Bureau: Wildlife

Funding Source: DOT Parks and Institutional Roads Fund

Plans Issue Date: 5/7/19
 Bid Letting Date: 5/23/19
 Construction Completion Date: 10/31/2019
 Number of Bids Received: 4

Bidders

Sterk Excavating Inc.	Otley, IA	\$67,279.05
Burr Oak Springs	Ridgeway, IA	\$67,865.00
Midwest Liquidation, LLC	Grand Meadow, MN	\$75,655.55
Faas Construction & Excavating, Inc.	Brooklyn, IA	\$85,546.65

Upon Engineering’s review of bids, IDNR recommends awarding the contract to Sterk Excavating Inc.

13.4 Lake Anita, Seawall Replacement - Cass County

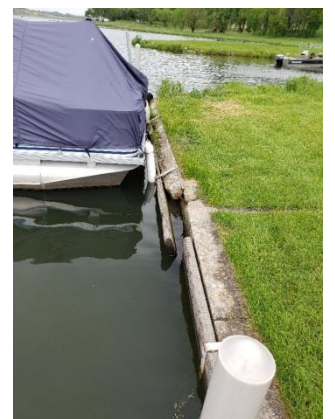
The Department requests Commission approval of the following construction project:

Project Summary: Lake Anita State Park, dedicated in 1961, is one of the most popular outdoor recreation facilities in southwest Iowa. The park lies just south of the town of Anita and is approximately 12 miles east of Atlantic in Cass County. The 1,062-acre park features a beautiful 171-acre lake which was formed by creating a dam on a branch of the Nishnabotna River.

The existing concrete seawall has been damaged over time by freeze/thaw cycles, ice heave, and wave erosion on the west end. There are numerous cracks and voids throughout the wall causing instability. The seawall is used for mooring 16-18 boats. The seawall needs to be replaced to ensure the integrity of the shoreline and maintain a safe structure for mooring boats.



Construction Needed: Removal of 195 feet of existing concrete seawall. A new steel sheet pile seawall, 219 feet in length, will be constructed with tieback rods and anchors for stability. The new wall will be capped with a 5 foot concrete walkway and the lakeside will be faced with treated wood bridge planks.



Engineering Project #: 19-04-15-02
Cost Estimate: \$150,000.00
Operating Bureau: Parks
Funding Source: Marine Fuel Tax
Plans Issue Date: 06/28/2019
Bid Letting Date: 07/18/2019
Construction Completion Date: 05/15/2020
Number of Bids Received: 7

Bidders

Nelson & Rock Contracting, Inc.	Onawa, Iowa	\$134,839.00
Murphy Heavy Contracting	Anita, Iowa	\$135,395.50
United Construction Services Corporation	Atlantic, Iowa	\$141,426.00
Caliber Concrete, LLC	Adair, Iowa	\$143,970.30

Peterson Contractors, Inc.	Reinbeck, Iowa	\$158,839.25
Water Works Docks & Boat Lifts, Inc.	Stoddard, Wisconsin	\$169,950.00
Jensen Construction Company	Des Moines, Iowa	\$177,582.00

Upon Engineering’s review of bids, IDNR recommends awarding the contract to Nelson & Rock Contracting, Inc.

13.5 State Forest Nursery, Irrigation System – Story County

The Department requests Commission approval of the following construction project:

Project Summary: The State Forest Nursery provides affordable, high-quality native plant material for use in timber production, wildlife habitat restoration, erosion control, and other conservation-related endeavors. Located on 98 acres just south of Highway 30 in Ames, the nursery was established by the Civilian Conservation Corps in the 1930’s and has operated continuously ever since. For irrigation needs, the nursery uses a pump capable of pumping approximately 400 gallons per minute with a network of water mains and feeder pipes to irrigate the trees. The original piping was installed in the 1970s and consists of cast iron pipe, which is now badly corroded. Also, the existing distribution system does not have enough valves to effectively control the irrigation needs.

Since the piping network is large, replacement is occurring in two phases. Phase one, completed in June 2019, replaced 2600 linear feet of water main and 765 linear feet of feeder pipe. This project will replace the remaining approximate 4,200 feet of water main and approximate 2,900 feet of the feeder pipe, and install new valves throughout the system.

Construction Needed: Replace 4,200 feet of the water main along with 2,900 feet of feeder pipe. Also, to improve the efficiency of the system, a low friction PVC pipe will be used along with multiple new gate valves for better control of the system. The new design will also provide easy drain back valves to drain pipes for the winter season.



Engineering Project #: 18-02-85-04
Cost Estimate: \$200,000.00
Operating Bureau: Parks
Funding Source: REAP Open Spaces
Plans Issue Date: 6/27/2019
Bid Letting Date: 7/18/2019
Construction Completion Date: 12/15/2019
Number of Bids Received: 2

Bidders

Vicker Drilling, LLC	Creston, Iowa	\$171,296.00
Mort’s Water Company	Latimer, Iowa	\$205,262.11

Upon Engineering’s review of bids, IDNR recommends awarding the contract to Vicker Drilling, LLC.

13.6 Viking Lake State Park Sediment Ponds – Montgomery County

The Department requests Commission approval of the following construction project:

Project Summary: Viking Lake is a 137-acre lake, initially impounded in 1957, is located within a 1,000-acre state park. Historical water quality at the lake had always been average, however following periods of heavy rainfall, turbid water conditions could persist for up to two weeks and persistent algae blooms had also been an issue at the lake. Also, Viking

had historically been an above-average fishery, but introduction of yellow bass in the mid-90s led to a dramatic decline in the quality of the fishery.

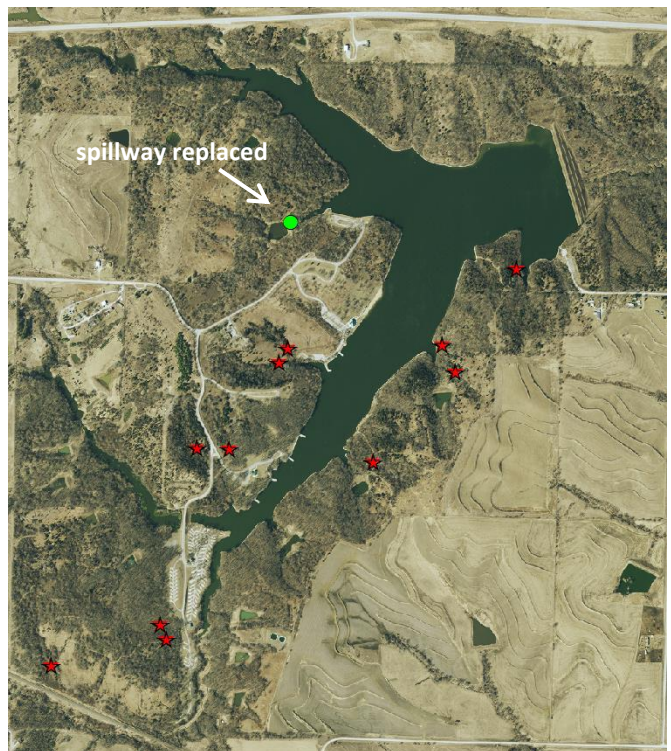
Starting in the mid 2000's, a watershed coordinator worked with partners to implement corrective measures within the watershed. Examples of some of the work in the watershed (both in the park and on private land) and other past projects, include:

- IDNR constructed twenty sediment control ponds / grade stabilization structures to control soil erosion and improve water quality.
- A new 5.5 mile trail was built to connect most of the ponds in the park.
- Landowners built wetlands and terraces, and fenced cattle out of streams that feed the lake.
- The watershed project coordinator assisted a small housing development with moving from outdated individual septic systems to a community system.
- IDNR drained the lake after Labor Day (2006) and renovated the fishery to eliminate the problem yellow bass population; and, after lowering the lake, they repaired the dam gate structure, deepened and protected regions with shoreline erosion (8,000 feet), constructed jetties, and improved angler access and fish habitat.

Because of the watershed efforts and improvement in the water quality, DNR removed Viking Lake's algae impairment from Iowa's 2014 impaired waters list.

This project is to protect past investments and current condition of the lake. In 2017, a field visit to Viking by the NRCS and Parks staff identified new critical gully erosion sites. By repairing one pond and creating other sediment ponds, erosion damage will be reduced. One existing pond will have the spillway replaced, and eleven new sediment ponds will be constructed on existing gullies. The embankments will be constructed of earthfill borrowed from within the proposed pool area. This minimizes total area disturbances as well as increases the volume of the pond. The principal spillways will be constructed from smooth steel pipe.

Construction Needed: For the spillway replacement, the contractor will remove the existing corrugated metal drop-inlet structure and replace it with a smooth steel principal spillway and a smooth steel drain pipe. For the new sediment ponds, heavy earth moving equipment will be used to create the earth embankments and smooth steel pipe will be installed for the spillways.



Engineering Project #: 18-04-69-02

Cost Estimate: \$140,000.00

Operating Bureau: Lake Restoration

Funding Source: Lake Restoration

Plans Issue Date: 06/27/2019

Bid Letting Date: 07/18/2019

Completion Date: 05/31/2020

Number of Bids Received: 1

Bidders

JNC Construction, LLC

Clearfield, Iowa

\$155,733.00

Upon Engineering's review of bids, IDNR recommends awarding the contract to JNC Construction, LLC.

13.7. Lower Morse Lake Wildlife Management Area, Wetland Restoration – Wright County

The Department requests Commission approval of the following construction project:

Project Summary: Lower Morse Lake Wildlife Management Area is located in the northeast corner of Wright County, and encompasses approximately 1,911 acres. The habitat types included in the wildlife management area consists of approximately 25% wetland and 75% upland habitat. Wildlife species include pheasant, waterfowl, and dove.

For this project, an earthen embankment (dam) will be constructed along the west property line. Existing tiles will be diverted to feed the new impoundment. The stop log water control structure will serve as the principal spillway. The resultant impoundment will create a 30 acre permanent pool with an average depth of 18" creating a wetland habitat that supports diverse wildlife and improves water quality. The water control structure will allow for vegetation management within the pool.

Construction Needed: The contractor will remove vegetation from the footprint of the proposed dam and haul earth fill from an adjacent borrow site. They will also furnish and install a corrugated metal stop log water control structure.

Engineering Project #: 18-02-99-03

Cost Estimate: \$50,000

Operating Bureau: Wildlife

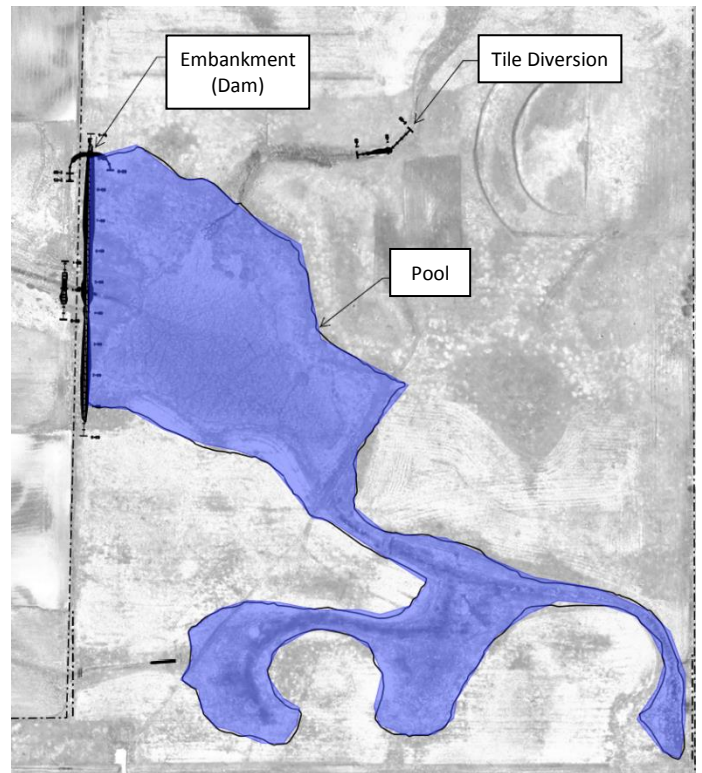
Funding Source: Federal NAWCA Grant

Plans Issue Date: 6/27/2019

Bid Letting Date: 7/11/2019

Construction Completion Date: 12/1/2019

Number of Bids Received: 1



Bidders

Midwest Concrete & Excavating LLC	Letcher, South Dakota	\$78,798.00
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Upon Engineering's review of bids, IDNR recommends awarding the contract to Midwest Concrete & Excavating LLC.

Travis Baker, Land & Waters Bureau Chief
Conservation and Recreation Division
August 8, 2019