### **PROJECT APPLICATION**

Dickinson County Water Quality Commission

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	Cover Sheet
2.	Applicant Organization Lakewood Parks Association
	Street address 2629 Eagle Point Place
	City Wahpeton
	State Iowa
	Zip 51351
	Zip 51351 Email sanebelle@comcast.net
	Phone 605-376-4310
	Organization contact
2	Project title: Turtle Lake Shoreline Stabilization
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ა.	Project Director (if different than organization contact)
	Street address
	City
	State
	Zip
	Email
	Phone
	Application submission date: October 1,2023
5.	Brief description (75 words or less) of project, including expected results:
	Stabilize Northern Shoreline of Turtle Lake with RipRap, Native Grasses and Plants to
	reduce silting into the lake, improve water filtration and promote wildlife reproduction and
	development. The lake's ability to support fish, frogs, turtles, wildlife and recreation is
	declining. Sediment has reduced the lake depth to less than 3 feet in many areas
	diminishing the habitat for wildlife, fish reproduction and public recreational use of
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a.	Amount of Federal, State or other public <u>cash</u> match money already acquired or in process (list all and status): \$\_0\$					
b.	Amount of private <u>cash</u> match funds: \$_14,535					
C.	Source of public and/or private <u>cash</u> match (list all):					
	Lakewood Parks Association					
Is the project a portion of a larger, overall project to be implemented over a multi-year period?  Yes Nox If yes, describe in project narrative and include in budget form as instructed.						
* The Water Quality Commission will <u>only</u> obligate funds for current fiscal year.  Any multi-year projects will be allowed to re-apply in subsequent years						
Type of project (select all that apply):						
x	Public education, public awareness and information dissemination					
x	Creation or maintenance of Best Management Practices					
	Erection and maintenance of storm water run off facilities					
x	Bank stabilization Water treatment					
x	Water monitoring					
x	Watershed protection					
	Activities to abate and remove invasive species					
	Any other activity which will improve, protect or enhance the quality of water in the lakes in Dickinson County					
Estimated project dates:						
a. Start _May 2024 b. Completion October 2024						

Last Revised: 6-14-2023 all previous dates are obsolete

#FY24 - <u>24-02</u> (For DCWQC Only)

Last Revised: 6-14-2023 all previous dates are obsolete

**Applicant's signature.** Upon signing in the space provided below, the applicant agrees to conform to the requirements pertaining to:

Civil Rights Assurance of Compliance: The applicant hereby agrees that it will comply
with Title VI of the Rights Act of 1964, 1873 and the age Discrimination Act of 1975 to
the end that no person in the United States shall on the grounds of race, color, national
origin or otherwise subjected to discrimination under any program or activity for which
the Applicant-Recipient receives grant funds and hereby gives assurance that it will
immediately take any measures to effectuate this agreement.

This assurance is binding on the Applicant-Recipient, its successors, transferees, and assignees, and the person or person whose signature appears below are authorized to sign this assurance on behalf of the Applicant-Recipient.

Becky Batcheller, Secretary		
		October 1, 2023
Applicant's name and title	Date	

#### REQUIRED BUDGET FORM

See Application Guidelines for this form.

Proposed Budget for Current Grant Request Year (fill out with just the match for this year's WQC match if this is a multi-component, multi-year project, please fill out the second budget form with the entire budget and any anticipated grant dollars expected to be sought from WQC in future requests)

	Commission	Hard Match*	Soft Match*	* <u>Total</u>
1. Staff	\$	\$	\$	\$
2. Supplies and Services	\$ 14,535	\$14,535	\$	<b></b> \$
3. Equipment	\$	\$	\$	\$
4. Travel	\$	\$	\$	\$
5. Water Monitoring	\$	\$	\$	\$
5. Land Acquisition	\$0	\$	\$	\$
6. Land Development	\$0	\$	\$	\$
7. Other	\$	\$	\$	\$
Total	\$14,535	\$14,535	\$	\$29,070

<sup>\*</sup> Hard Match is "real money spent" toward project goal.

You must attach a letter of support for each contributor of Hard Match dollars and soft match dollars that specifies the amount of money or service being provided. If you are seeking other grants using WQC funds as a match, list those grants in the budget narrative and the timing those grant funds are to be available.

**BUDGET NARRATIVE:** Attach a Budget Narrative. Follow directions in Application Guidelines.

The Burr Oak Park area of Lakewood Park is a grassy area with a 35-40 degree angle slope toward Turtle Lake in some areas. The short grass fails to filter water, soil and contaminants flowing into the lake. Our proposal is to stabilize the shoreline with rip rap and plant a 10' wide strip of native grasses and plants along this northern shoreline. The Native Plants will filter the water while providing an extensive mesh-like root system to prevent further soil erosion into the lake.

In addition, the short grass is a haven for Geese. The taller, native plantings, will deter geese and enhance water quality with the reduction of their excrement.

Last Revised: 6-14-2023 all previous dates are obsolete

<sup>\*\*</sup> Soft Match is money indirectly spent toward project goal. (This is important but not included in the dollar amount for points).

**TASKS AND DELIVERABLES:** Attach a list of Tasks and Deliverables following the Application Guidelines included in this packet.

Upon confirmation of the grant award, the Assocation will acquire any necessary permits and begin the Shoreline Stabilization project in the Spring of 2024.

## **PROJECT NARRATIVE**

Attach project narrative following the instructions in application guidelines, including:

**STATEMENT OF PROJECT NEED**: Sediment is reducing the depth of Turtle Lake and the aquatic incubation habitat it provides. There are fewer fish and turtles in the lake. Duckweed and algae are more prolific. With the diminished water level, it is a less desirable destination for fishermen, kayakers, paddle boarders and canoeists. The Turtle Lake water levels affect water flows to the Millers Bay canals and Emerson Bay and ultimately West Lake. Preservation of the lake is the ultimate goal.

### STATEMENT OF PROJECT BENEFITS TO WATER QUALITY

Native Grass & Plant filtration of water flows will improve water quality. There will be less runoff & improved filtration of the water along the shoreline. Bank rip rap along with the plantings will reduce the amount of silt entering the lake. Less silt will help retain lake depths and permit water flows.

### **PUBLIC AWARENESS PLAN**

Crescent Beach park has attracted attention because of the native plantings LWP incorporated several years ago. Native plantings along the shoreline of Turtle Lake will increase the attractiveness & create more awareness of the lake while serving as an overall water quality solution. We will promote our project to the public via social media with the intent to encourage others to follow these water quality planting practices.

LAND ACQUISITION AND DEVELOPMENT: If the project involves land acquisition and development, fill out the requested information below. See application guidelines for details. (Note: Land Development is any activity on a piece of ground that constitutes improving the land, developing the land, or otherwise impacting the land)

Project Location: Wahpeton, Iowa

# Environmental, Economic and Social Impacts of Project (Demonstrate project impact to water quality and project need in this section)

According to an Iowa State University study, Iowans feel water quality is the most important factor when choosing a lake for recreation. 65% of respondents reported the top three activities were relaxing and/or picnicking, fishing and nature/wildlife watching, respectively.

Depth diminishment of Turtle Lake will continue until erosional aspects are addressed. Currently the lake is a breeding ground for fish, turtles, frogs and other wildlife. The lake is also a public destination for fishermen, kayakers, canoeists and paddle boarders. The canal waters from Millers Bay connect through Turtle Lake to West Lake and Emerson

Bay. The Turtle Lake water flow is crucial for the continued life of all of these waterways which ultimately are an integral part of the larger lake systems.

# Historical, Archaeological, and Architectural Features/ Impacts/Land Acquisition, Development

Turtle Lake was part of JA Beck's canal system development in 1912. He intended for the area to become a "Little Venice." Turtle Lake was named Eagle Haven. The Northern shore of the lake is named Burr Oak Park. This linear 1600 feet of the shoreline is the base of a deep extensive grassy area which steeply slopes to the lake.

### **Project's Relationship to State, Local and County Plans**

Lakewood Parks Association will collaborate and cooperate with State and local entities to ensure our efforts support, augment and enhance other environmental initiatives being undertaken in the Lakes Region.

### Agreements and Easements/Land Acquisition/Development

No easements or land acquisitions are needed.

## **Itemized Cost Estimate Land Acquisition/Development** N/A

### **Maintenance Plan and Data Rights**

Lakewood Parks home owners adjacent to the Burr Oak Park shoreline will be watering and maintaining the property once the hydroseeding has been completed. Lakewood Parks will monitor water quality via testing and follow up with any future invasive vegetation control. There are no proprietary data rights claimed, data rights are unlimited.

Last Revised: 6-14-2023 all previous dates are obsolete











