



Cordry-Sweetwater Conservancy District

8377 CORDRY DRIVE NINEVEH, IN 46164
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Board of Directors Special Session Meeting Agenda

August 5th, 2024, 6:00 PM @ CSLOA
Also available online live at www.cscd-in.org

1. Welcome & Pledge of Allegiance
2. Agenda Modifications
3. New Business:
 - a. Adoption of Bond Resolution No. 2024-12
 - b. Public Hearing & Adoption of Resolution 2024-13: Additional Appropriations
 - c. Public Hearing on Drawings, Specifications, and Cost Estimates
 - d. Resolution 2024-14: Trespassing
 - e. Resolution 2024-15: District Areas
 - f. Wake Study Approval
4. Adjourn

ADDITIONAL APPROPRIATION
RESOLUTION NO. 2024-13

An Appropriation Resolution Appropriating the Proceeds of the
Conservancy District Bonds of 2024

WHEREAS, the Board of Directors ("Board") of the Cordry-Sweetwater Conservancy District ("District"), has heretofore determined to provide for the cost of the construction of certain improvements to the Cordry Dam, Spillway and appurtenant structures ("Project"); and

WHEREAS, the Board has heretofore authorized the issuance of its Conservancy District Bonds of 2024 ("Bonds") in an amount not to exceed Three Million Two Hundred Thousand Dollars (\$3,200,000) to provide funds to be applied on the costs of the Project and the incidental expenses incurred in connection therewith and on account of the issuance of the Bonds therefor; and

WHEREAS, the Board finds that under the provisions of governing statutes it is necessary for the Board to make an appropriation in an aggregate principal amount not to exceed Three Million Two Hundred Thousand Dollars (\$3,200,000), and that said appropriation be made at this time,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE CORDRY-SWEETWATER CONSERVANCY DISTRICT, THAT:

Section 1. An appropriation in an aggregate principal amount not to exceed Three Million Two Hundred Thousand Dollars (\$3,200,000) is hereby made to be applied on the costs of the Project and the incidental expenses incurred in connection therewith and on account of the issuance of the Bonds, and that the funds to meet said appropriation be provided out of the proceeds of the Bonds in an amount not to exceed Three Million Two Hundred Thousand Dollars (\$3,200,000) heretofore authorized; that said appropriation be in addition to all other appropriations provided for in the existing budget and tax levy for the current year.

Section 2. The Secretary is hereby authorized and directed to report and certify the additional appropriation to the Department of Local Government Finance.

Section 3. This resolution shall be in full force and effect upon its passage.

PASSED AND ADOPTED this 5th day of August, 2024.

BOARD OF DIRECTORS OF THE CORDRY-
SWEETWATER CONSERVANCY DISTRICT

Attest:

Secretary

RESOLUTION NO: 2024-14

RESOLUTION APPOINTING AGENTS PURSUANT TO I.C.35-43-2-2

WHEREAS, the Cordry-Sweetwater Conservancy District ("CSCD") is an Indiana conservancy district organized and operating pursuant to I.C.14-33; and,

WHEREAS, CSCD owns, maintains and operates numerous parcels of real estate and buildings within CSCD, which include, but are not limited to, Cordry and Sweetwater Lakes, a beach area, park and recreation areas, trails, and administrative offices; and,

WHEREAS, some of the real estate and buildings owned, maintained and operated by CSCD are open to freeholders of CSCD and, in some cases, the general public; and,

WHEREAS, it becomes necessary from time-to-time that individuals be removed and excluded from CSCD properties and buildings; and,

WHEREAS, the Board of Directors of CSCD, acting pursuant to the authority granted by I.C.14-33-5-20, has determined that it would be in the best interests of CSCD and the public in general to designate certain CSCD directors and employees as agents for the purpose of requiring individuals who violate CSCD rules to leave CSCD property and buildings pursuant to I.C.35-43-2-2; and,

WHEREAS, CSCD, acting through its Board of Directors, has determined that the following individuals shall act as Agents for CSCD, pursuant to I.C.35-43-2-2, for the purpose of requiring individuals to vacate CSCD property or buildings: Michael Leavitt, Chairman; Aaron Parris, Vice-Chairman; Ted Adolay, Secretary; Randy Brumfield, Member; Mark Rasdall, Member; Pat Sherman, Member; Jim Maulden, Member; Brittany Bay, Director of Finance & Administration; and Nick Johann, Director of Operations & Building Compliance Officer.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE CORDRY-SWEETWATER CONSERVANCY DISTRICT THAT Michael Leavitt, Chairman; Aaron Parris, Vice-Chairman; Ted Adolay, Secretary; Randy Brumfield, Member; Mark Rasdall, Member; Pat Sherman, Member; Jim Maulden, Member; Brittany Bay, Director of Finance & Administration; and Nick Johann, Director of Operations & Building Compliance Officer; are hereby designated as Agents of CSCD pursuant to I.C.35-43-2-2 for the purpose of requiring individuals to vacate CSCD property and buildings.

BE IT FURTHER RESOLVED THAT this Resolution shall be in full force and effect from and after its passage on the 5 day of August, 2024.

**CORDRY-SWEETWATER CONSERVANCY DISTRICT
BOARD OF DIRECTORS**

Michael Leavitt, Chairman

Aaron Parris, Vice-Chairman

Ted Adolay, Secretary

Randy Brumfield, Member

Mark Rasdall, Member

Pat Sherman, Member

Jim Maulden, Member

ATTEST:

Ted Adolay, Secretary

CORDRY-SWEETWATER CONSERVANCY DISTRICT

RESOLUTION NO. 2024 - 15

**RESOLUTION CLARIFYING BOUNDARIES OF AREAS WITHIN THE
CORDRY-SWEETWATER CONSERVANCY DISTRICT
FROM WHICH DIRECTORS ARE ELECTED AND SPECIFYING THE
FREEHOLDS LOCATED WITHIN EACH ELECTORAL AREA**

WHEREAS, the Cordry-Sweetwater Conservancy District (“CSCD”) is an Indiana Conservancy District organized and operated pursuant to I.C.14-33; and,

WHEREAS, on October 5, 1974, the Brown Circuit Court entered an Order Amending the District Plan of CSCD to provide that the Board of Directors of CSCD shall consist of seven (7) members. The Order referenced and incorporated CSCD Resolution 1974-13. The Resolution referred to a map marked as Exhibit “A” describing the boundaries of the seven (7) electoral areas from which the Directors are elected; and,

WHEREAS, a diligent search has been made of the records contained in the Clerk’s Office of the Brown Circuit Court and Exhibit “A” to Resolution 1974-13 cannot be located; and,

WHEREAS, a map that is believed to be Exhibit “A” to Resolution 1974-13 is maintained in the records of CSCD. This map has been utilized presumably since 1974 to identify the boundaries of the seven (7) electoral areas; and,

WHEREAS, as a result of experience gained by the District and, in particular, experience gained in the District’s election of Board of Directors held in 2024, the map does not contain sufficient detail to determine exactly which freeholds are contained within a particular electoral area; and,

WHEREAS, CSCD has caused to be prepared lists assigning each freehold within CSCD to a specified electoral area. The lists are attached to this Resolution as Exhibit “1”. The assignment of freeholds as shown on Exhibit “1” does not materially change the freeholds assigned to a particular area based upon the long-standing custom and practice of CSCD.

NOW BE IT THEREFORE RESOLVED by the Board of Directors of the Cordry-Sweetwater Conservancy District that:

1. The electoral areas within CSCD shall consist of the freeholds set forth in Exhibit “1” attached to this Resolution.

2. The attorney for CSCD is directed to file the necessary petitions with the Brown Circuit Court and to obtain an order from the Court clarifying the Court’s Order Establishing the District dated June 27, 1959, and ordering that the seven (7) electoral areas within the boundaries of CSCD contain the freeholds as set forth in Exhibit “1”.

3. This Resolution shall be in full force and effect from and after its passage.

Adopted this _____ day of _____ 2024.

CORDRY-SWEETWATER CONSERVANCY
DISTRICT BOARD OF DIRECTORS

Ave

Nay

Michael Leavitt, Chairman

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Aaron Parris, Vice Chairman

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Ted Adolay, Secretary

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Mark Rasdall, Member

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Pat Sherman, Member

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Jim Maulden, Member

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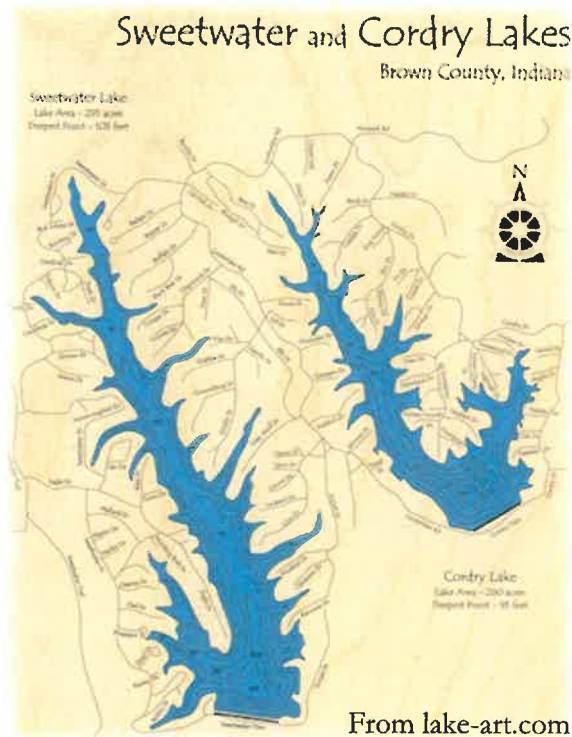
Randy Brumfield, Member

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Lakeshore erosion in Sweetwater Lake and Cordry Lake, Brown County, Indiana:
An assessment of the effects of boat wave action on shoreline stability



Prepared for

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Prepared by

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UNDERSTANDING THE ASSIGNMENT

Ecosystems Connections Institute was requested to provide a proposal to the Cordry-Sweetwater Conservancy District that would address concerns relative to the effects of boat wave action. Cordry Lake, 160-Acres, and Sweetwater Lake, 275-Acres, were created by earthen dams. Each lake is in the Norman Upland Physiographic region that is characterized by rugged topography and high relief just south of the southern extent of the Wisconsin Glacier. The lakes were built covering the underlying siltstone of Mississippian age and have a well-protected and forested watershed. The lakes are relatively deep with excellent water quality. Both lakes are privately owned with an estimated 1,700 lots across both lakes. Recreational use of the lakes is important to those in the community around the lakes and over the recent past concerns have been raised over the increase in motorized watercraft and the large waves from wake boats. The Cordry-Sweetwater Conservancy District asked ECI to prepare an adaptable study design to better understand the surface waves, wave energy dispersion, and wave attenuation from various boat types and the effect of wave action on the surrounding shorelines and docks. The goal of the study is to be an independent research initiative to produce targeted, unbiased data related to characterization of boat-generated waves and to document ecological effects associated with the boat waves.

The Cordry-Sweetwater Conservancy District Board provided ECI with the following study questions.

1. Is there erosion occurring on either lake?
 - a. What is the largest contributing factor to erosion?
 - b. Is there a particular sport or boat that contributes the most to erosion?
 - c. What actions should be taken to reduce erosion?
 - d. What could potentially happen if nothing is done?
2. What effect if any, does wake surfing pose to current dock structures, shorelines, and lake bottom?
3. With concern for both lakes in the district should wakesurf boats be allowed.
 - a. If yes, how far from shore should wake surfing activity be allowed?
4. Is there a difference between a wave from wake surfing and plowing vs tubing and ski activities?

*Note: All testing should be done assuming that wake surfing is conducted under current regulations set forth by the district.



Experimental Design Tasks

Task 1. Complete a general visual survey of the shoreline of Cordry and Sweetwater Lakes and use a Matrice 350 RTK w/LiDAR and Photogrammetry to assist with identifying priority sites and to serve as a baseline dataset for assessments and future shoreline studies.

Task 2. Shoreline assessment study design

- A. Select a portion of shoreline in Sweetwater Lake approximately 300-feet long as the study site for the wave sensor experiment, detailed LiDAR survey, shoreline erosion monitoring, and to complete a bathymetric map perpendicular to the shoreline that will extend from the study site across the lake from the shoreline. An Acoustic Doppler Current Profiler (ADCP) will be used to make the bathymetric map transect.
- B. One Sea View SVS-603HR wave sensor will be held in place near shore (distance from shore to be determined). The sensor will record:
 - a. Wave height, Feet
 - b. Wave Period, Seconds
 - c. Wave Direction, Degrees
 - d. Wave Energy Period, meters/squared/second
- C. Two pipes will be driven into the lake substrate. One pipe will be secured at approximately 2-feet of water depth and one set at approximately 6-feet of water depth. Each post will have a Campbell Scientific pressure transducer securely attached. The pressure transducers will be programmed to measure water depth above the transducer once each 1.5-Seconds.
- D. Research suggests a wakesurf boat wave requires 500-feet to attenuate to the same wave size and energy from a ski boat wave. We propose track distances from the Wave Sensor to be 10-feet, 50-feet, 125-feet, 250-feet, 500-feet.
- E. Data from a vertical temperature and Dissolved Oxygen Profile will be collected before and at the conclusion of the experiments.
- F. Fence posts will be installed perpendicular to the shoreline beginning 2-feet from the edge of bank in the water followed by a post 10-feet and 20-feet. Survey grade GPS will be used to accurately document each post position.



BUDGET

Project Tasks	Year 1	Year 2	Year 3	3 Year Total
Task 1	\$6,500	-	-	\$6,500
Task 2	\$19,000 (\$9,500/ lake)	-	\$19,000 (\$9,500/ lake)	\$38,000
Task 3	\$6,500	\$6,500	\$6,500	\$19,500
Task 4	\$19,500	\$19,500	\$19,500	\$58,500
Task 5	-	-	\$9,500	\$9,500
Task 6	-	-	-	-
Total	\$51,500	\$26,000	\$54,500	\$132,000

PAYMENT TERMS

Invoices will be created and sent once annually in the month of July for \$51,500 Year 1, \$26,000 Year 2, and \$54,500 Year 3.



PROPOSAL ACCEPTANCE

THIS PROPOSAL REFLECTS FEES FOR PROFESSIONAL SERVICE AND ACCEPTED BY
THE DESIGNATED PROJECT LEAD AGENCY OR GROUP

Signature: _____

Name (Printed): _____

Title: _____

Date: _____

Respectfully submitted by



Jerry Sweeten and the ECI team of Herb Manifold, Kyle Boone, James Heimlich, and Melinda Sweeten (President)



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