REQUEST FOR PROPOSAL

PROJECT: Calamus Swamp Restoration Project

LOCATION: Wayne Township, Pickaway County, Ohio

Columbus Audubon is solicitating proposals to implement the Calamus Swamp Restoration Project. Calamus Swamp may be the sole remaining high-quality wetland in the Lick Run-Scioto River HUC-12 watershed, but has become infested with invasive species, particularly reed canary grass and non-native cattails. The purpose of the project is to restore the swamp to a higher quality wetland through invasive species removal and native plantings.

The project is located at the Calamus Swamp Preserve, which is open to the public. The address for the preserve is 23800 OH-104, Circleville, Ohio (See Figure 1). This project is grant-funded by the Ohio EPA under the Section 319 Nonpoint Source Program with a maximum restoration budget of $125,000.

Proposals shall be delivered by email to Allison Boehler at colsaudubon@gmail.com by Wednesday, July 12, 2024 at 5:00 p.m. local time. Proposals received after that date will not be accepted. Proof of insurance, all licenses/certifications necessary to perform the work, and experience with a minimum three similar projects completed in the last five years must be provided with proposal. The Calamus Swamp Preserve is open to the public and prospective bidders are welcome to visit the site prior to proposal submittal.

SCOPE OF SERVICES

Task 1 – Site Visit with Columbus Audubon

Attend site visit with Columbus Audubon to discuss approach and determine access locations into the swamp that will avoid and/or minimize impacts to trails, boardwalks, and native vegetation. No placement of temporary or permanent fill within wetland areas for access will be allowed.

Task 2 – Broadcast Application of Herbicide on 6.5-acre Cattail Zone (2024, 2025)

Provide technical approach (e.g., backpack spraying, drone) and cost per acre to broadcast spray the 6.5-acre cattail zone shown on Figure 1. Include means to minimize impacts to the adjacent native vegetation communities shown on Figure 1. Cattails shall be sprayed with a systemic herbicide such as AquaNeat, Accord, and Rodeo. The systemic herbicide must be approved for wetland/aquatic application. A non-ionic surfactant shall be applied with the systemic herbicide. Applications shall be performed between July 15 – September 1 of 2024 with a follow-up application performed between July 15 – September 1 of 2025. Applications of herbicides shall be completed by personnel licensed to perform such applications by governing authorities having jurisdiction at the site and in accordance with each manufacturer's instructions provided on each product label. If drone application is proposed, provide type and accuracy of drone, and methodology for herbicide application.

Task 3 – Spot Spray Application of Herbicide on 4.0-acre Reed Canary Grass Zone (2024)
Provide technical approach and cost per acre to spot spray reed canary grass within the 4.0-acre zones shown on Figure 1. These zones include native species that shall be avoided during spot spraying. Spot spray reed canary grass zones with a systemic herbicide such as AquaNeat, Accord, and Rodeo. The systemic herbicide must be approved for wetland/aquatic application. A non-ionic surfactant shall be applied with the systemic herbicide. Foliar applications shall be performed between July 1 – August 15.

Task 4 – Cut 2.0 acres of Dead Cattail and Haul Biomass to Com-Til Compost (2025)
Provide approach and cost per acre to cut 2-acres of dead cattail biomass from four separate 0.5-acre areas within the cattail stand. Cattails shall be cut as close to ground as possible. Cut biomass shall be hauled to Com-Til Compost for disposal, which is located at 7000 Jackson Pike in Lockbourne approximately 17 miles north of the preserve. Do not include root systems, as Com-Til Compost will not accept material with significant soil content.

Task 5 – Live Stake Plantings (late 2025 or early 2026)
Provide cost per plant to furnish and install 3,400 live stakes in the treated 6.5-acre cattail zone and 4.0-acre reed canary zones at approximate 12 ft spacings. Provide live stakes complying with the following species, quantities, and sizes:

LIVE STAKES – MIN. ½-IN DIA & 3-FT LONG		
Quantity	**Botanical Name**	**Common Name**
700	*Cephalanthus occidentalis*	Buttonbush
540	*Cornus amomum*	Silky Dogwood
540	*Cornus sericea*	Red Osier Dogwood
540	*Salix exigua*	Sandbar Willow
540	*Salix nigra*	Black Willow
540	*Hibiscus moscheutos*	Crimson-Eyed Rosemallow
3,400	**TOTAL**	

Live stakes shall be installed as follows:

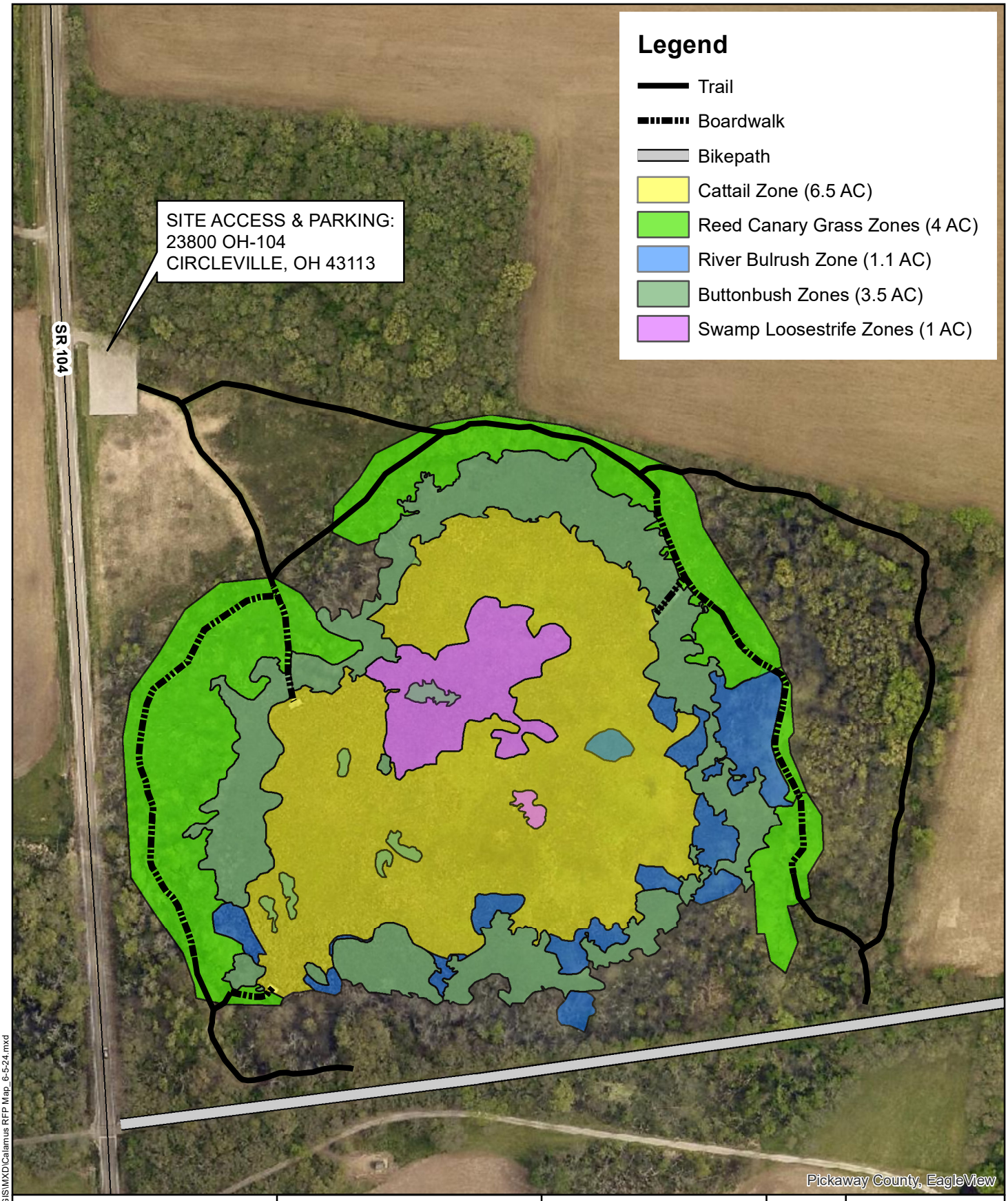
- Live stakes shall be installed between November 1 – April 30.
- Provide live stakes that are harvested while dormant.
- Live stake material shall not be delivered to the site more than 3 days in advance of installation.
- Soak live stakes in water for at least one day, but not more than 14 days prior to installation. Do not allow live stakes to dry out. Store live stakes in a cool, dark environment.
- Create a pilot hole that is perpendicular to the ground surface and 2/3 the length of the live stake. Tamp live stakes into hole ensuring bud growth direction is up.
- Plant live stakes randomly by species as directed by Columbus Audubon.

Shapefiles for all layers shown in Figure 1 can be provided if requested.

Please provide a total cost per task with unit pricing. Selection will be made based on qualifications, technical approach, and cost. Columbus Audubon reserves the right to accept or

reject any or all proposals; to waive any informalities or irregularities in the bids received, or to accept any proposal which is deemed most favorable to Columbus Audubon.

Please contact John Shady of Coldwater Consulting with any questions. Mr. Shady can be reached by email at jdshady@coldwaterconsultants.com. All questions must be provided by July 7, 2024 at 5:00 p.m. local time. Responses to questions will be provided to all prospective bidders prior to proposal due date.



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COLDWATER CONSULTING, LLC

COLUMBUS AUDUBON SOCIETY

CALAMUS SWAMP RESTORATION PROJECT

AERIAL MAP

JUNE 2024

FIGURE 1

N W E S

0 100 200 Feet