

CADDO LAKE INSTITUTE

2021

ANNUAL SUMMARY | FISCAL YEAR 2021



CADDO
LAKE
INSTITUTE

Caddo Lake Institute
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OUR MISSION:

Caddo Lake Institute (CLI) is a non-profit scientific and educational organization, protecting the ecological, cultural and economic integrity of Caddo Lake, its associated wetlands, and surrounding plant and wildlife habitats.



Bliss Photography

CADDO LAKE 2021 FOCUS:

SCIENCE, STEWARDSHIP AND ENGAGEMENT



SCIENCE: ENVIRONMENTAL FLOWS

We continue to innovate in the area of using existing dams to release water in a pattern that mimics mother nature to provide multiple benefits. In 2021, we helped create an Ecological Framework Model to show how forests and fish respond to different water releases/streamflows.

STEWARDSHIP: IMPACT ON INVASIVES

Invasive Tallow was removed from 265 acres of private lands through our partnership with U.S. Fish and Wildlife. The Caddo Biocontrol Alliance, who raise and deploy weevils to manage the aquatic invasive plant, Salvinia, have found weevils who survived the 9-day deep freeze in February 2021. This demonstrates the hardiness of the weevil as a control method for Salvinia, which CLI has supported for many years. At the former Longhorn Army Ammunition Plant, now the Caddo Lake National Wildlife Refuge, CLI provides a 3rd party Technical Advisor and liaises with the public to inform them about ongoing government clean-up of the few remaining Army-owned parcels. At four community meetings in 2021, data was presented that showed progress. According to two years of data, the bioremediation and biobarriers are working as designed with most contaminants showing significant reductions.



ENGAGEMENT/EDUCATION:

197,758 PEOPLE ENGAGED with high quality wetlands content at the SciPort Science Museum and the Shreveport Aquarium. At SciPort, CLI's exhibit on Caddo Habitat and the birds that migrate through, saw 72,758 visitors. At the Aquarium, an entire dome is dedicated to Caddo Wetland information, about invasive species and native species: turtles, fish, and the prehistoric paddlefish. 125,000 visitors were educated on Caddo wetlands in 2021.



23 YEARS OF DATA gathered from CLI scientist, Dr. Roy Darville, who has served as the Institute's main science advisor since the early 1990s, continues to show significant improvements in water quality across

9 KEY MEASURES



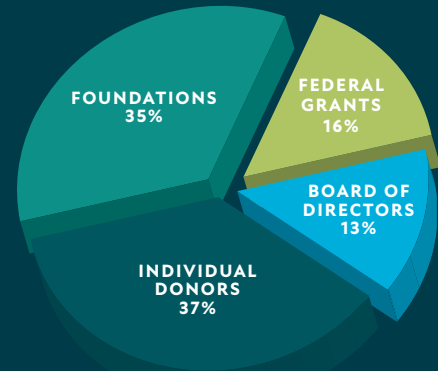
WORKING TOGETHER CLI forest experts worked with U.S. Fish and Wildlife to improve the Forest Management Plan at the Wildlife Refuge; this expanded Streamside Management Zones, increasing buffer zones/setbacks around drainages when thinning timber to improve runoff of sediment even more.

CADDO LAKE FUNDS 2021



OUR SOURCES OF INCOME IN 2021 WERE DIVERSIFIED

CLI INCOME:

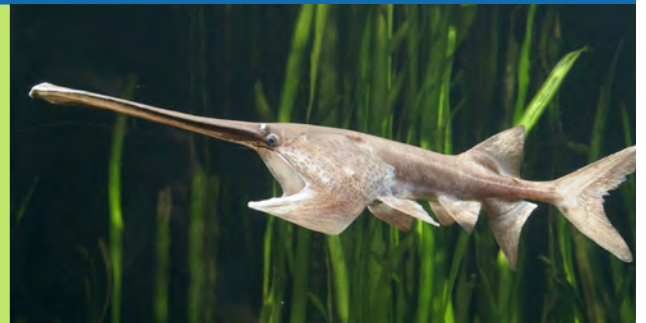


FINANCIAL STEWARDSHIP: LONG TERM SOLUTIONS

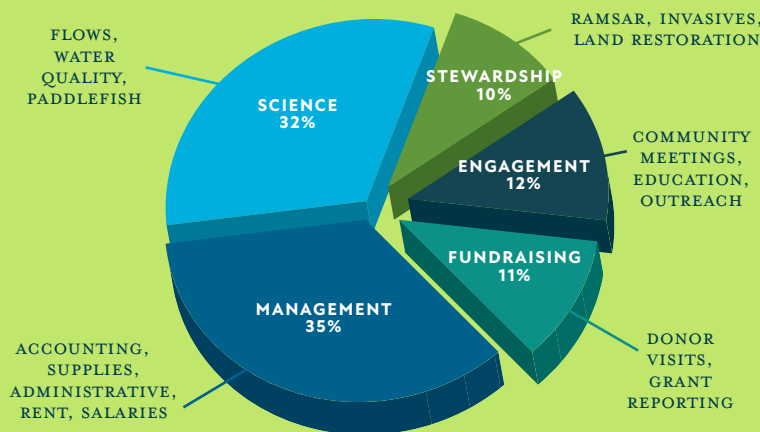
Demonstrating a long-term commitment to Caddo Lake, the Board of Directors started an endowment for the Caddo Lake Institute. After almost thirty years of conservation by our group, this step towards financial stability and longevity, means we are committed for the long term. An endowment campaign to truly ensure there is always someone to look out for the ecological health of Caddo Lake, will be rolled out as we move into 2022 and 2023.

PROGRAM DOLLARS

How was the funding used? Most of our program dollars were spent on Science and Environmental Flows providing multiple benefits across the diverse ecosystem: supporting wetlands; oxbow connectivity; forest health; scours sediment from crucial spawning ground; returns more native fish to the system; and improves water quality.



CLI FISCAL YEAR 2021 PROGRAMS:



“ GOING TO CADDO LAKE IS GOING ALL THE WAY BACK TO THE BEGINNING OF TIME, WHEN THE TOWERING BALD CYPRESS –TEXAS’ OWN REDWOODS– WERE COMMON ALL OVER THE EARTH ... BEARING WITNESS TO THE PRIMORDIAL SOUP THAT SPAWNED ALL LIFE. ”

–JOE NICK PATOSKI, TEXAS WRITER

CADDO LAKE LOOKING AHEAD

2022

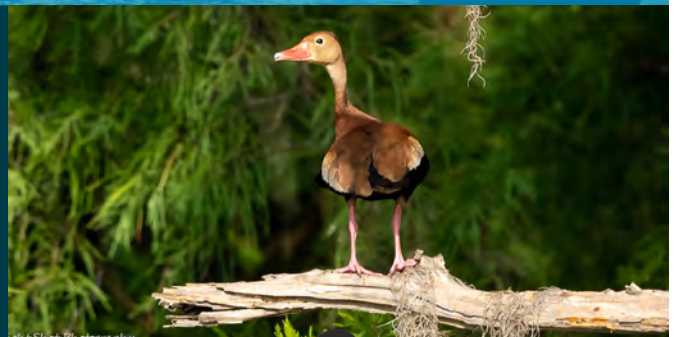
LOOKING AHEAD ... TO 2022

- Adding a Conservation Director to the CLI staff to greatly increase boots-on-the-ground restoration efforts and make sure our actionable science is as robust as possible.
- Building a true endowment that can sustain actionable science and advocacy at Caddo for generations to come.

To view videos illustrating what we do, please scan these QR codes with your phone's camera. Share these with others to support our efforts!



- Continuing on the success of our e-flows work, we will continue to press forward with the Corps of Engineers to look for more innovative ways to restore wetland habitat; this may require local stakeholder and Congressional support to get a Cypress Basin Feasibility Study approved at the Federal level.
- Work with economic development experts to understand how to best support the cottage tourism industry around the lake, and increase opportunities for better visitor experiences showcasing the unique history and culture of the area, along with our irreplaceable habitat and wildlife.



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The Caddo Lake Institute (CLI) is a tax exempt organization under Section 501 (c)(3) of the Internal Revenue Code. Contributions are tax deductible to the full extent allowed by law. CLI has a platinum rating from Guidestar.

Platinum
Transparency
2022

Candid.

**CADDO LAKE INSTITUTE IS A SCIENTIFIC AND EDUCATIONAL NONPROFIT,
PROTECTING THE UNIQUE TREASURE THAT IS CADDO LAKE.**