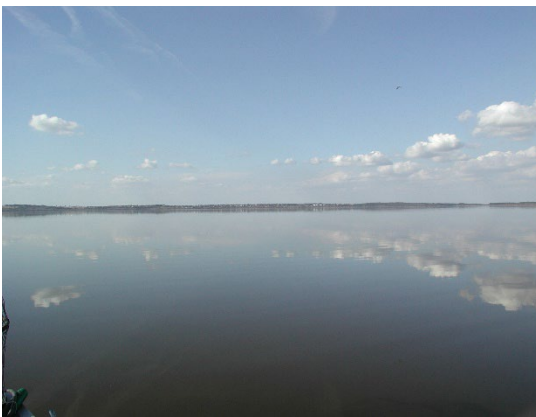
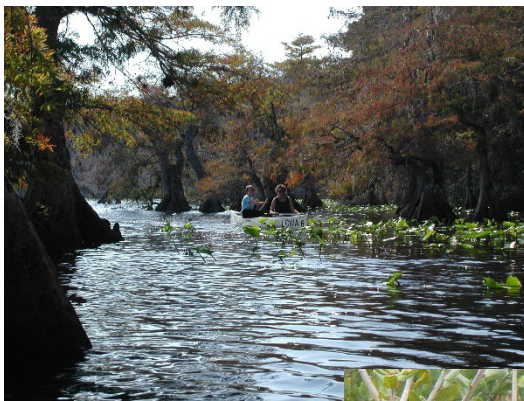




Lake County

WATER AUTHORITY

2021 Annual Report and 5-Yr. Plan



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INTRODUCTION

Fiscal Year 2021-2022 Proposed Budget About the Budget

The Lake County Water Authority budget serves as much more than just a financial plan. It also meets three essential purposes:

Financial Plan

The Budget demonstrates the financial plan of the Water Authority, detailing the costs associated with providing services and how the services will be funded. The Budget Summaries provide the reader with an at-a-glance view of all appropriated funds' revenue sources and expenditures/expenses by department, object category, and fund. The Budget explains the underlying assumptions for revenue estimates and analyzes significant revenue trends. In addition, projected beginning and ending Fund Balances are shown for the fiscal year.

Operations Guide

The Budget provides detailed information on how the Water Authority is organized. A summary of sources and uses is provided to review summarized information on how money is collected and spent in the current year. Within the departmental sections, the reader is provided information about the activities, services and functions that are carried out by each department in support of the overall Water Authority goals and objectives. Also included is an organization chart, authorized positions, budget highlights and budgetary appropriation. Each department demonstrates the resources used for the operations of the various activities the Water Authority provides.

Communications Device

The Budget provides the reader with summary information to assist with understanding revenue sources and planned fiscal spending that support the established goals and objectives. Included in the Budget document is a table of contents and a glossary to enable the reader to locate information and to understand the terminology used throughout the document. Charts, graphs and tables are strategically used to provide a visual demonstration of the narrative presented. The Annual Report provided at the beginning of the Budget document provides the reader with a condensed analysis of the financial achievements for the Lake County Water Authority 2021.



Lake County
WATER AUTHORITY

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LAKE COUNTY WATER AUTHORITY 2021 ANNUAL REPORT

LAKE COUNTY WATER AUTHORITY BOARD OF TRUSTEES 2021-2022



Courtney Stokes
Member At-Large
Chairperson



Tyler Brandenburg
District Three
Vice Chair



Gary J. Cooney
Clerk of Courts &
Secretary-Treasurer



Marty Proctor
District One



Trampis Bonjorn
District Two



Robert Hendrick
District Four

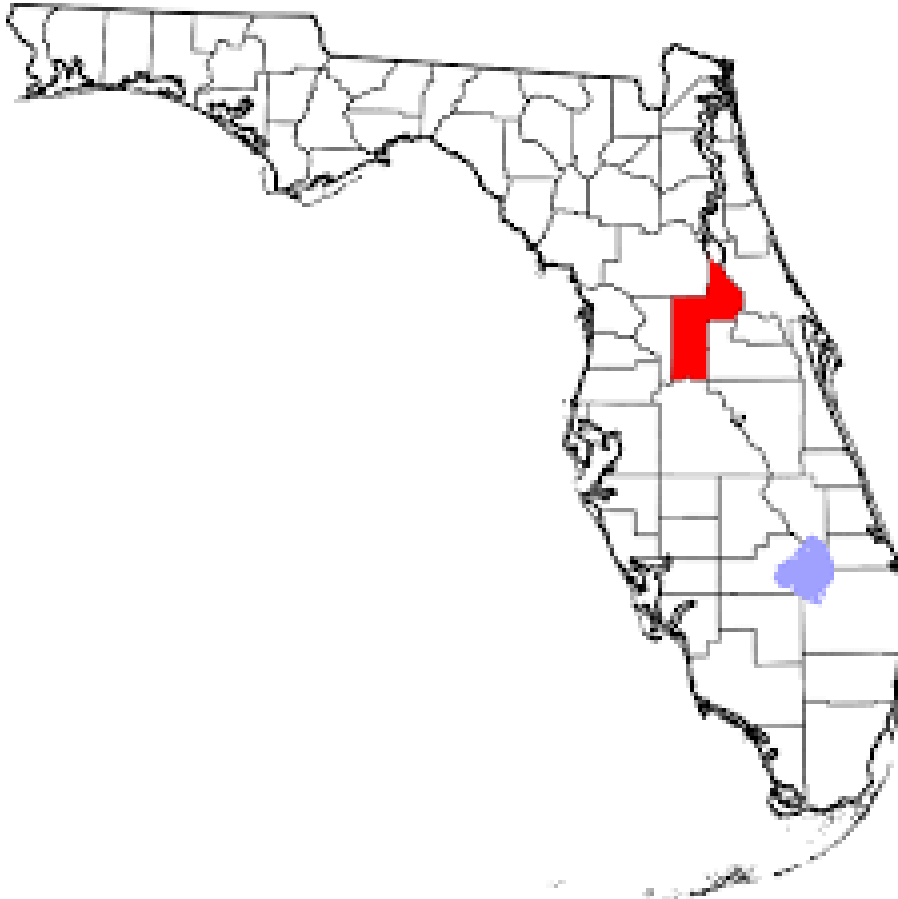


Richard Donohue
District Five



Keith Farner
Member At-Large

LOCATION OF THE LAKE COUNTY WATER AUTHORITY



Driving time and distance to:

Orlando	37 Minutes	36 Miles
Miami	4 Hours	260 Miles
Atlanta	6 Hours	414 Miles

MISSION STATEMENT, CORE VALUES AND VISION

Mission Statement

Committed to protect and enhance the quality of the lakes within its community.

Core Values

The Lake County Water Authority values...

- A strong sense of community where individuals, groups, and businesses are well connected through infrastructure, opportunities for economic growth and shared pride in the city.
- Enhanced public and employee health, safety, and welfare.
- Environmental stewardship.
- Diversity and benefits achieved from unique people, ideas, and culture.
- Demonstrated ethics with honesty, integrity, and morality.
- Respect of, and quality service for, citizens, customers and fellow employees.

Vision

The Board is focusing on projects and management actions that lead to improvements to the water resources and natural systems in Lake County. The Board has promoted cooperation between agencies and governments as the preferred approach to addressing the issues.

- Controlling and conserving the freshwater resources of Lake County
- Fostering improvements to streams, lakes, and canals in the county
- Improving the fish and aquatic wildlife of the county by improving the streams, lakes, and canals in the county; and
- Protecting the freshwater resources of Lake County through assisting local governments in treating of stormwater runoff.

The management of Lake County's water resources requires an informed citizenry and the cooperation of multiple government agencies. Staff and contractors for the agency continue to provide the public with high-quality, science-based programs and mapping capabilities as described in Resource Communications and Resource Data. Excluding social media contacts, over 5,000 residents were reached during the year.

Furthering the ability to provide quality information to the community, the Lake County Water Resource Atlas is an internet-based information collection and dissemination system that employs a Geographic Information Systems (GIS) to make Lake County water resource data available to a maximum number of people in an efficient and cost-effective manner. The Water Resource Atlas is a program sponsored by the Water Authority and is hosted and maintained by the University of South Florida. The Water Resource Atlas is a primary tool for assisting citizens, scientists, and government leaders to manage the County's water resources.

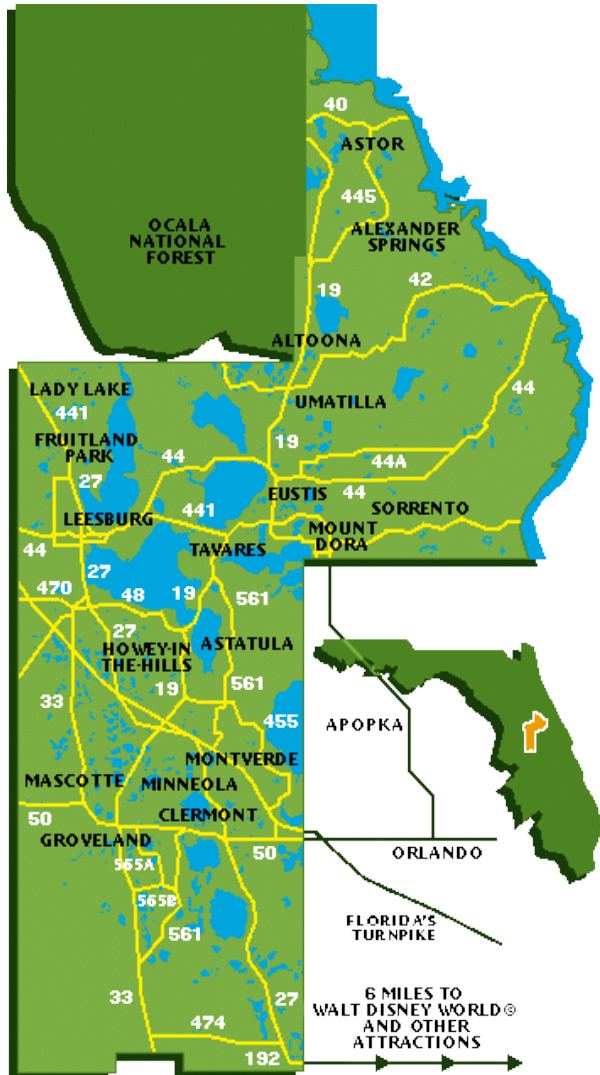
When the legislature amended Chapter 29222, Florida Statutes in 2000 and altered the structure of the Lake County Water Authority, two of the most prominent requirements were to prepare a Five-Year Plan and submit an annual report to the legislature. The intent is for the agency to provide the legislature and the public with an understanding of the goals, objectives and direction the agency will be taking during the five-year planning window.

In accordance with Chapter 2005-314, Laws of Florida, the following sections describe the progress made by the Lake County Water Authority during the period January 1 to December 31, 2021 (including background information as necessary for clarity and continuity) and includes the Five-Year Plan reflecting a planning period from FY 2022- 2023 to 2025-26.



LAKE COUNTY WATER AUTHORITY AT A GLANCE

The Lake County Water Authority



The Lake County Water Authority was created in 1953 as the Ocklawaha Basin Recreation and Water Conservation and Control Authority. The Legislature directed that the Authority be created at that time for the following purposes: To control and conserve the freshwater resources of Lake County.

- To foster and improve the tourist business in the county by improvements to the streams, lakes, and canals in the county.
 - To provide recreational facilities for the tourists and citizens and taxpayers of the county by a more efficient use of the streams, lakes, and canals in the county.
 - To preserve, protect, and improve the fish and wildlife of the county.
- During the 2000 Florida Legislative session, the legislature restructured the Board of Trustees from a three-member appointed board to a seven-member, non-partisan, elected board. The legislature also added the following as an additional purpose:
- Protecting the freshwater resources of Lake County through assisting local governments in treatment of stormwater runoff.

In 2000, the legislature also officially changed the name of the agency to the Lake County Water Authority.

During the 2005 Legislative session, the legislature passed a codification bill and made some changes to the purposes of the Lake County Water Authority. The following are the purposes as included in this bill:

- Controlling and conserving the freshwater resources of Lake County
- Fostering and improving the tourist business in the county by improvements to streams, lakes, and canals in the county

- Providing recreational facilities for tourists and citizens and taxpayers of the county by a more efficient use of the streams, lakes, and canals in the county
- Improving the fish and aquatic wildlife of the county by improving the streams, lakes, and canals in the county; and
- Protecting the freshwater resources of Lake County through assisting local governments in treating of stormwater runoff by conserving fresh water to improve the streams, lakes, and canals in the county.

The Legislative Delegation desired that the seven-member Water Authority Board become a partisan office. A voter referendum in 2006 resulted in changing the Board from a nonpartisan to a partisan elected body.

In the 2017 legislative session, the legislature amended the purposes and the duties. In brief, the purposes were revised by deleting obsolete language; removing power of the governing board and the authority to acquire land through eminent domain or condemnation; removing power of the board relating to certain state lands; providing for the county or a municipality to acquire private property through eminent domain under certain circumstances; providing powers of the board relating to navigation and blockage of certain waterways in the county; prohibiting the board from expending public funds to promote recreation and tourism; providing powers of and restrictions on the authority and board relating to parks; and requiring certain documents to be published on the Authority's website.

The following are the revised purposes as amended in 2017:

- Controlling and conserving the freshwater resources of Lake County
- Fostering improvements to streams, lakes, and canals in the county
- Improving the fish and aquatic wildlife of the county by improving the streams, lakes, and canals in the county; and
- Protecting the freshwater resources of Lake County through assisting local governments in treating of stormwater runoff.

The Board is focusing on projects and management actions that lead to improvements to the water resources and natural systems in Lake County. The Board has promoted cooperation between agencies and governments as the preferred approach to addressing the issues. The Water Authority is neither a regulatory agency nor a water utility and has no power to issue permits or enforce regulations. The Water Authority does, however, work closely with and make recommendations to other agencies, which deal with regulatory and enforcement issues, including Lake County, the Lake County Sheriff's Office, the water management districts, and state offices such as the Florida Fish and Wildlife Conservation Commission and the Florida Department of Environmental Protection.

WATER RESOURCES

The Water Authority Board of Trustees continues to place an emphasis on implementing projects that will make physical improvements to the degraded water quality of Lake County lakes. Water quality improvement projects include but are not limited to:

- Implementing cooperative stormwater retrofit projects
- Operation of dam structures on Palatlahaha River to control water levels
- Construction of improvements to the Villa City Dam on the Palatlahaha River
- Waterway tree removal and boater sign maintenance to permit safe navigation of vessels
- Operating a Nutrient Reduction Facility on the Apopka Beauclair Canal to meet TMDL objectives
- Executing water quality studies in the Clermont Chain of Lakes
- Eliminating pollutant discharges from the Lake Denham Muck Farm
- Designing and permitting safe boater access at the Hickory Point public boat ramps

The Water Authority has worked to maintain and/or improve navigability between the lakes in both the Clermont and Harris Chain of Lakes. Emphasis was also placed on protecting and maintaining lakes that presently exhibit good water quality.

The Lake County Water Authority is continuing to monitor the ongoing changes to water levels in South Lake County and its Clermont Chain of Lakes. Last year's rainfall provided sufficient flows from the Green Swamp. This flow and rainfall allowed water levels within the chain to remain above the minimum regulatory levels. The chain has been maintained above the minimum regulatory levels for the past five years. Previously, an extended drought kept water levels below regulatory levels. To maintain higher water levels for the past five years was a dramatic improvement for the residents and ecosystem.



Restoration and Improvements to Water Resources

The Water Authority has been working to implement projects that make improvements to water quality and natural systems. The following are brief descriptions of the major efforts:

Cooperative Stormwater Initiative -The Board has placed emphasis on working with local governments to implement stormwater treatment projects. Since 1996, the Board has offered grants to local governments for stormwater retrofit projects that will reduce the load of pollutants that currently flows to our lakes, streams, and wetlands. There has been a total of seventy-three stormwater projects initiated under this program. Using the Lake County Water Authority's \$9.8 million as project seed money, local agencies could complete \$28.5 million in projects.



There were six stormwater projects approved in 2021. These projects include:

<i>Project Name</i>	<i>Cooperator</i>	<i>Water Authority Contribution</i>
Liberty Ave. Stormwater Improvements	Mt. Dora	\$ 285,739
Picciola Harbor Stormwater Improvement	Lake County BCC	\$ 63,675
Lake Joanna Baffle Box E. Lake Joanna Dr.	Lake County BCC	\$ 90,000
Lake Joanna Baffle Box SR44.	Lake County BCC	\$ 243,500
Stormwater Master Plan	City of Mascotte	\$ 50,000
Basin 12-A Stormwater Improvement	City of Clermont	\$ 30,000
	Total:	\$ 762,914

Palatlakaha River Dam Modifications – Historically agency staff has determined the timing and volume of water released from the 6 dams on the Palatlakaha. Staff revised the operation manual for the control structures to address Board members feedback regarding timing of water release from citizen feedback.

In addition, the Water Authority initiated a program to modify the dams to in operable structures. These modifications change discharges so they are directly related to water levels. As water levels increase, flows also increase.

The first four structures, M-1, M-4, M-5, and M-6 have been constructed. The next structure, Villa City, completed design in 2019 and construction was completed the last quarter of 2021.



Villa City dam under construction in 2021.

However, the Villa City structure will not be replaced with a fixed structure like those downstream. Villa City remains a gated structure to control the release of water and the upgraded technologies would permit LCWA staff to either operate the structure on-site or from a remote location.

Public Waterway Dredging - The Water Authority has historically responded to concerns from the public about navigable access to the lakes and maintaining the access between public lakes in the Harris and the Clermont Chains of Lakes. In 2020, the waterways were inspected and it was determined no dredging was necessary in waterways connecting the major Chain of Lakes.

Public Waterway Tree Removal - The Board has implemented a maintenance program that provides for the removal of navigational hazards (such as fallen trees) from public waterways including the Apopka- Beauclair Canal, the Dora Canal, Haines Creek, TroutLake Canal, Helena Run, the Winona Canal, the Montevista Canal and other public accessible and navigable portions of the Palatlahaha River. In total nearly 40 miles of water ways are included in the maintenance program. The Water Authority may also act to remove sediment, tussocks, and debris from waterways that impede boat movement through these public waterways. In 2021, the agency responded and removed numerous obstructions to navigation in public waterways throughout the county.



Apopka-Beauclair Canal Nutrient Reduction Facility-The LCWA's Nutrient Reduction Facility (NuRF) became operational in March 2009 and is currently the world's largest alum-based surface water restoration facility. The LCWA received \$3,700,000 in cooperative funds from the Florida Department of Environmental Protection (FDEP) to construct the facility.

The scale of the facility makes it possible to treat most of the Lake Apopka discharge allowing significantly cleaner water to flow north into the Harris Chain of Lakes.

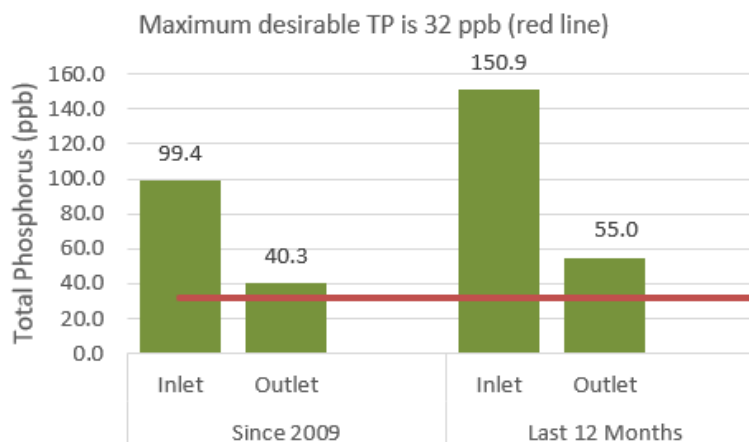


NuRF ponds treating Lake Apopka water.

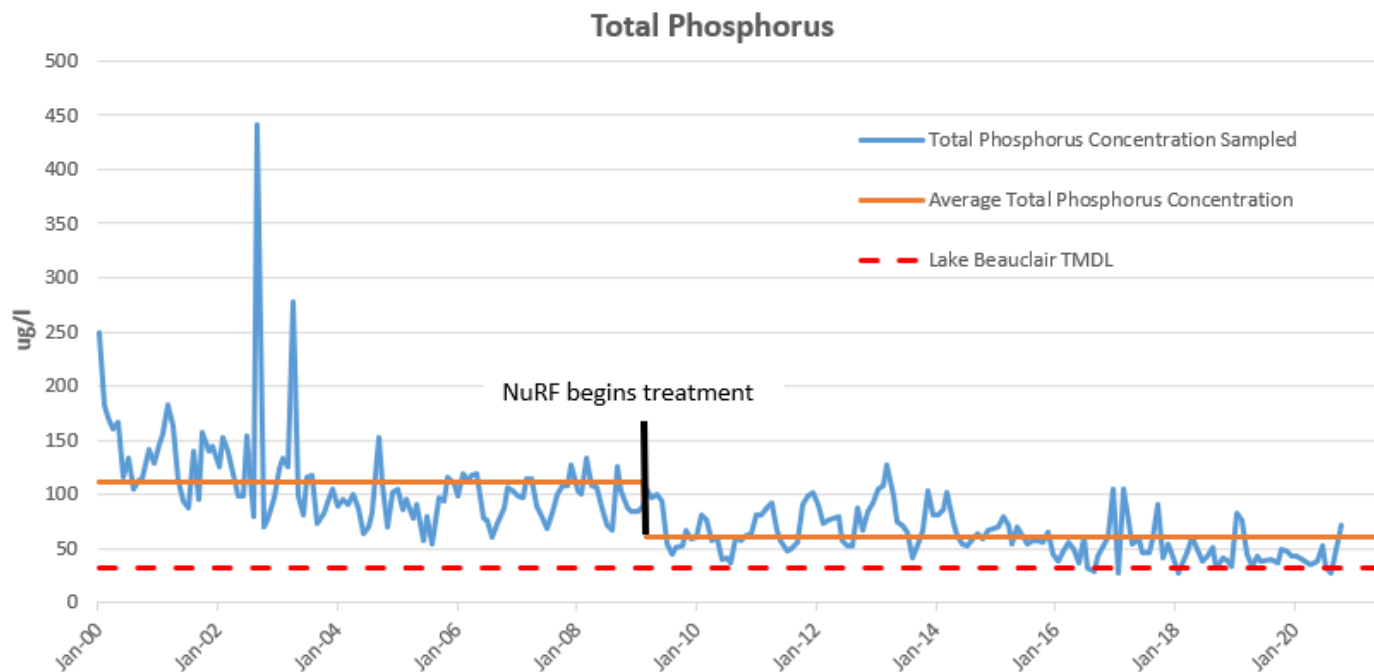
Lake Apopka water quality has improved in recent years but, left untreated, still presents a significant source of phosphorus pollution to waterbodies establishing the start of the Harris Chain of Lakes. Phosphorus is the limiting nutrient contributing to persistent algal blooms in Lake Apopka and throughout the Harris Chain of Lakes. Average Lake Apopka total phosphorus concentration remains higher than the Total Maximum Daily Load (TMDL) goal established by the FDEP. A TMDL is the maximum amount of a given pollutant that a waterbody can assimilate and still maintain its designated uses. It is important to point out that Lake Beauclair's TMDL for total phosphorus (32 ppb) is nearly one-half that of Lake Apopka's TMDL for total phosphorus (55 ppb). Therefore, even if Lake Apopka were to reach its TMDL goals, additional treatment would be required to achieve the Lake Beauclair TMDL.

Performance results conducted when the NuRF operated were as expected and average removal rate for total phosphorus was sixty percent. This past year's rainfall resulted in periods of prolonged high flow. From 2009 through the end of 2021, the NuRF had treated over 79.4 billion gallons of water, removed 42,430 pounds of total phosphorus and used 17.6 million gallons of alum. Alum cost for the NuRF since opening on February 2009 has been approximately \$9.9 million.

Average Total Phosphorus Concentration through the NuRF



From 2012 to 2015 low lake water level resulted in increased internal recycling of phosphorus of Lake Beauclair because there was no water flow down the Apopka-Beauclair Canal. But in recent years with sufficient rainfall events, the water quality data from Lake Beauclair indicates a 46% reduction in total phosphorus since the construction of the NuRF.



Average Total Phosphorus Concentration of Lake Beauclair before and after the NuRF began treating water discharged from Lake Apopka.

A detailed site evaluation of the NuRF was completed in 2020. These operational evaluations identified opportunities for improvement and treatment efficiency. In 2021 staff improved its preventative maintenance program and began facility upgrades by replacing the dredges and resurfacing the floc storage tank. The Board also authorized upgrades to improve debris removal at the facility inflow, install water quality monitoring equipment and construct new alum injection technology. These projects will be in partnership with FDEP through a \$2.25 million grant and demonstrates a cooperative effort to control phosphorus concentrations in the Harris Chain of Lakes to meet TMDL goals.

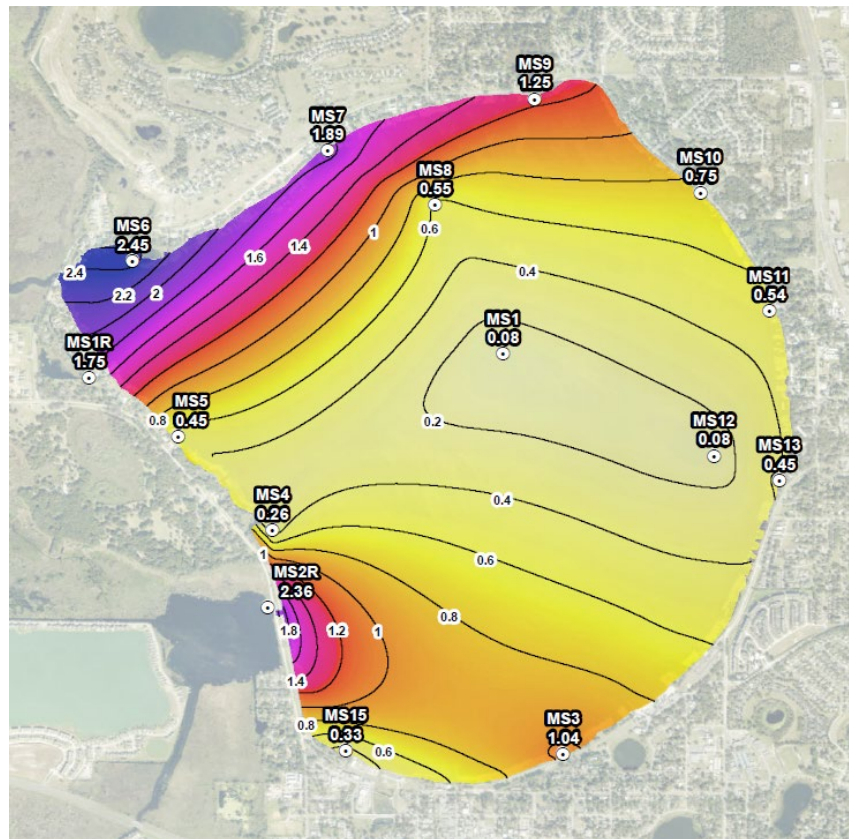
A new dredge at the NuRF.



Lake Minneola Water Quality Project

Lake Minneola is listed as an Outstanding Florida Water drawing recreational users for boating, fishing and triathlon events. The waterbody experienced prolonged blue-green algal blooms in the spring of 2020. The LCWA initiated a 12-month study which was completed in 2021 sampling ground water and surface water entering the lake. The study indicated septic tanks may be contributing to nutrient loading along with surface waters from other Clermont Chain of Lakes waterbodies flowing into Lake Minneola.

Nutrient concentration gradients entering Lake Minneola from seepage.

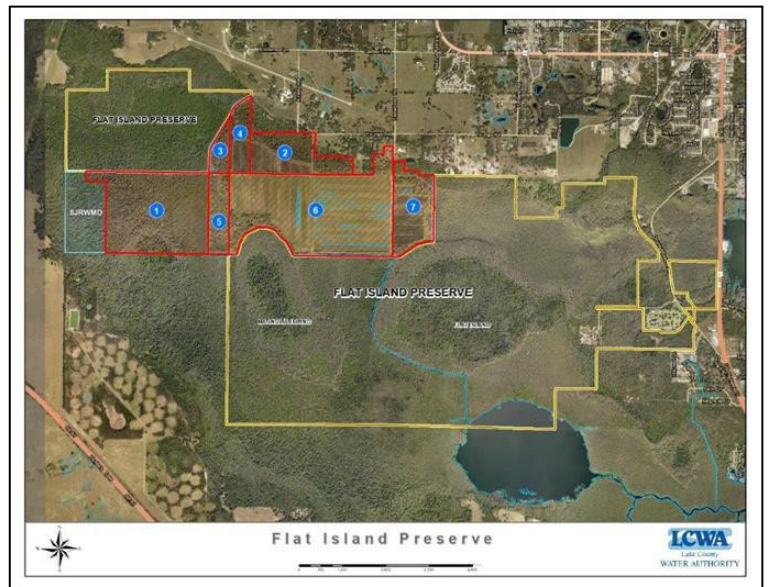


Lake Denham Muck Farm Purchase

Lake Denham is a 252-acre waterbody connected to the west end of Lake Harris via Helena Run. The lake has a 6,641-acre watershed that is composed primarily of wetlands (50%), agriculture (20%), and urban development (7%). It has also been identified by the Florida Department of Environmental Protection (FDEP) as a waterbody that does not meet the Numeric Nutrient Criteria and is not projected to meet the Total Maximum Daily Load (TMDL) requirements unless nutrient reduction projects are implemented.

The FDEP report sets a goal for the Total Phosphorus concentrations in the

lake at 50 ppb. For the modeling period of 2000-2012, the measured average Total Phosphorus was 95 ppb. The largest controllable source of nutrients to Lake Denham by a large margin is the Muck Farm with 1,101 lbs. of TP / year or 66.9% of the controllable lake loads. The Lake Denham Muck Farm is located just north of the LCWA owned Flat Island Preserve. The farm is composed of 7 parcels and covers a total area of 767.59± acres.



Approximately, 450 ± acres are confined within the levees of the muck farm and 12± acres would be considered uplands. The remaining 306± acres remains as a natural forested wetland. The LCWA closed on the property in September 2019 and worked cooperatively with the City of Leesburg and the Florida Fish and Wildlife Conservation Commission (FWC) to explore site restorations to benefit the local ecosystem through water quality conservation. The LCWA released a Request for Qualifications in 2021 to seek a qualified contractor to restore the site at no cost to the LCWA. A firm was selected and negotiations to achieve restoration goals and objectives have begun.

Waterway Sign Inventory and Maintenance – As part of the Water Authority’s mission “to improve the streams, lakes, and canals in the county for the tourists, citizens and taxpayers”, the Water Authority applies for permits through Florida Fish and Wildlife Conservation Commission (FWC), installs, and maintains navigational waterway markers, such as speed zones and lighted navigational aids.

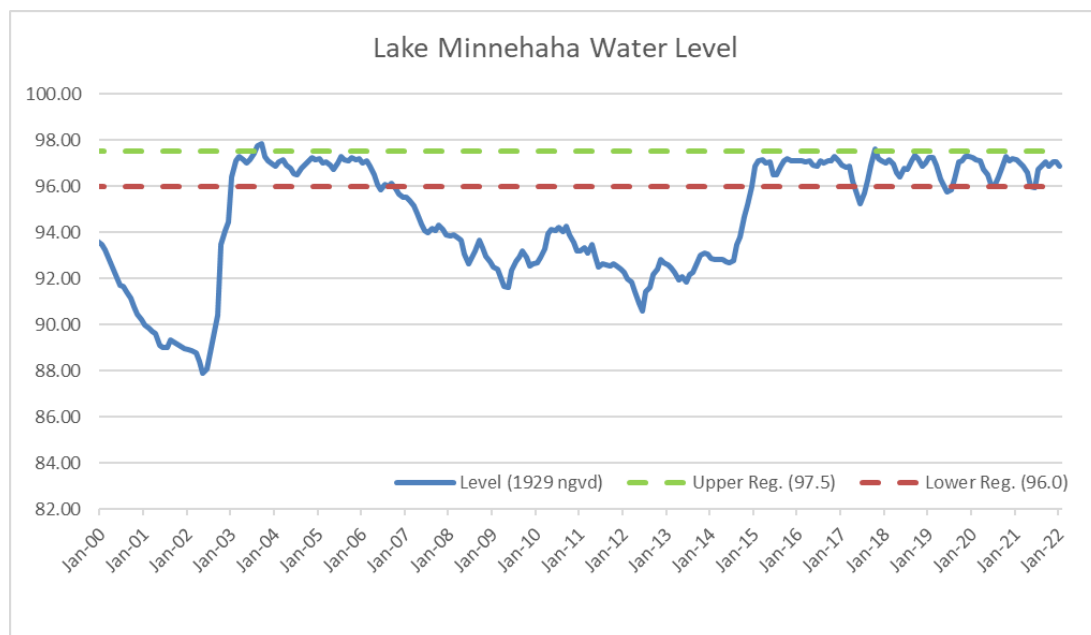
After completing the sign replacement project in the Clermont Chain in 2003, the Authority initiated a waterway sign maintenance program in 2004 for the Harris Chain. The project involved a GIS database that specified locations and characteristics of each sign within the Harris Chain. All identified signs were permitted as necessary and were replaced as needed to adhere to the Uniform Waterway Marker standards set by the FWC. The Water Authority currently maintains a comprehensive database of over 130 waterway signs and is in the process of identifying and replacing additional signs as necessary.

Adopt a Lake Program – The Lake County Water Authority participates and funds the local Adopt a Lake Program. This County program trains volunteers to collect water samples and gather water quality data on the lakes. Data collected is placed on the Lake Atlas Website where it is available to all interested stakeholders.

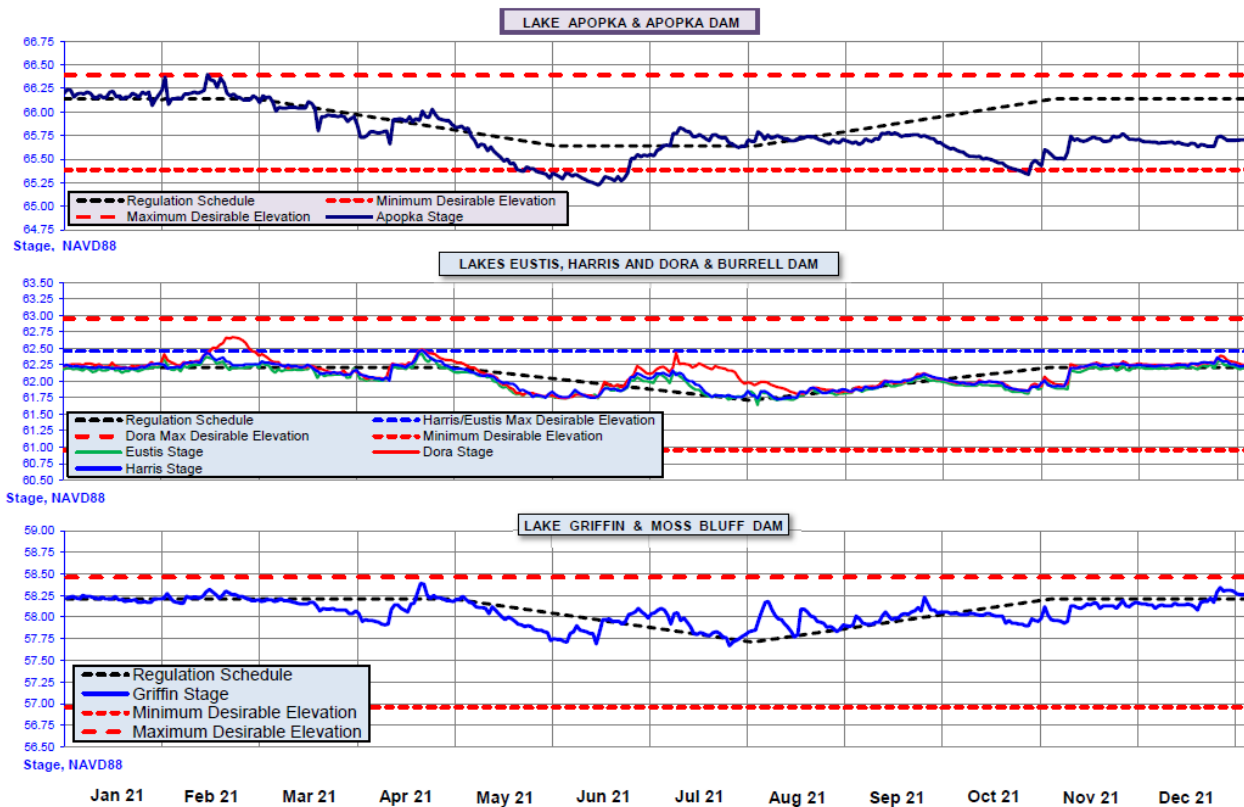
At the request of the Florida LAKEWATCH Program, the Board historically provided funding to cover the Lake County operating expenses. However, to significantly reduce cost, the Water Authority has agreed to fund the much less expensive Adopt a Lake Program. The Lake County Water Quality Lab manages the program and performs the same services at a reduced cost; thus, saving the Lake County taxpayers.

Water Level Management of the Harris Chain of Lakes and the Palatlakaha River - Lake levels on the Harris Chain of Lakes and water levels on the Palatlakaha River are both related to rainfall. To remain abreast of the rainfall situation, the Water Authority has an ongoing program that includes six automated rainfall measurement gauges located throughout the county. This program provides information for tracking rainfall trends on a countywide basis and alerts the Water Authority to increasing or decreasing water levels.

Average rainfall during 2021 was 51.33 inches or 102% of expected annual rainfall. Although annual rainfall was above the historic average of 50.49 inches, the LCWA was successful in maintaining Palatlakaha River water levels within the regulatory range.



Water Levels in the Harris Chain of Lakes – In 2021, water discharges continued from all the lakes dependent on rainfall. At the start of the year, during January and February, flood discharges were released from the lakes. This was followed by high releases as needed through the rainy season (June through September). Even though rainfall was above average in 2021, most lakes were maintained within their regulatory ranges throughout the year except Lake Apopka, which experienced levels below minimum desirable in May and June until sufficient rainfall arrived in the region again. Provisional data for 2021 is presented in the figure for the Upper Ocklawaha River Basin.





Lake County
WATER AUTHORITY

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NATURAL RESOURCES

The Water Authority's natural resources program conserves and protects unique and irreplaceable land and water resources in the county, and since 1990 the program has made these conservation lands available for compatible passive recreational uses such as hiking, primitive camping, paddling, birdwatching, picnicking, horseback riding, geocaching and fishing. While the Water Authority's Board of Trustees has directed the agency staff to primarily focus on projects which benefit the quality of our lakes, the Board has also directed the Natural Resources Division to continue responsible management and restoration of the agency's 7,700 acres of public lands.

The Water Authority is managing lands that are environmentally sensitive for water resources. Many of the agency's current holdings were initially identified in 1972 for protection by a citizens' committee appointed by the Board of County Commissioners. In 1982, local residents approached the Water Authority Board requesting consideration of an acquisition program to protect water sensitive natural resources found throughout the county. A citizens' committee was formed to vet the resources and make annual recommendations to the Water Authority Board. Since 1989 the agency has protected over 6,600 acres classified as having a connection to water resources, including lands with shorelines, marshes and swamps, seasonal wetlands, wet prairies, sinkholes, and high aquifer recharge areas. Long-term protection of these environmentally sensitive lands will also protect the county's water resources.

Examples of this significant water connection include Wolf Branch Sink Preserve, which protects high aquifer recharge soils, a seasonal waterfall, one active, and four collapsed sinkholes; Hidden Waters Preserve protects aquifer recharge soils, a steephead ravine and a sinkhole lake. The Sawgrass Island Preserve's 485-acre marsh provides aquifer recharge soils and an influx of freshwater to Lake Yale. Flat Island Preserve's 1,800± acre hardwood swamp benefits the Withlacoochee and the Ocklawaha Rivers. Additionally, Eagles Ridge Preserve, Fern Prairie Preserve, Crooked River Preserve, and Scrub Point Preserve protect aquifer recharge soils and shoreline habitats for fish, alligators, and wading birds.

Preserve Visitation

Visitors continue to enjoy the passive recreational opportunities afforded to them by the Water Authority's Preserves throughout the County. Popularity of the hikes and paddle trips have encouraged the public to become "regulars" on these activities. There are more than 20 geocaches on the Preserves and three Preserves (Sawgrass Island, Bourlay Historic Nature Park & Hidden Waters) are included on the Statewide Birding Trail.

Staff is also trying to increase the preserves profile through the agency's website and Facebook.

14,764 people visited the preserves in 2020. Preserve attendance for 2021 was up about 3.5% from 2020's attendance numbers with 517 more visitors (overall, very consistent). Overall, the numbers for individual preserves were very consistent. This year, the top three preserves were Flat Island, Hidden Waters and Crooked River Preserve, in that order (the Same as 2020).

Land Management

Land management activities performed throughout the year include mowing, trimming and repairing trails, maintaining fences, fire lines and roads, implementing prescribed fire and restoration programs, controlling invasive exotic plants and animals, and enhancing public recreation opportunities. Signage and kiosks at each property are regularly evaluated and improved as needed. Natural resources receives assistance from Field Services to achieve these management objectives.

During 2021, staff participated in the Lake County Parks and Trails Advisory Committee, Lake County/Marion County Big Scrub's Cooperative Invasive Species Management Area, Wekiva River Management Advisory Committee, and the Central Florida Prescribed Fire Council meetings. Due to the pandemic, many meetings were virtual.

In 2021, staff conducted four prescribed burns. Two were pile burns and two were broadcast burns totaling 21 acres. Two Field Services Rangers attended virtual S-190 and S-130 fire classes, with an in-person live fire day held at the Ordway-Swisher Preserve near Gainesville, FL.

Date	Preserve	Acres
January 21, 2021	Hidden Waters	12
July 28, 2021	Hidden Waters	1Pile
October 5, 2021	Sabal Bluff	9
November 4, 2021	Hickory Point	1Pile





Staff was able to get a surplus brush truck donated from the Lake County Fire Department.

Staff held a paddling safety training for the LCWA and County Parks staff that lead paddling trips. Staff practiced rescue techniques including rope throws, getting people back into their boats once in the water and boat over boat extraction. This was a hands-on training and participants got in the water and took turns acting as rescuers and rescue-ees.



Staff Practices Rescue Rope Throws



Staff "Dives In" to Paddling Safety

The Preserves

The Water Authority currently has 26 properties with 19 of them open to the public for various recreational activities on land and on the water.

The following properties are traditional preserves with parking areas, kiosks and trails. They are open to the public seven days a week, from sunrise to sunset.

Bourlay Historic Nature Park - Donated to the Water Authority in 1999 by Arthur “Buddy” Bourlay III, a long-time resident of Leesburg, the historic 83-acre Park is on the southwest shore of Lake Griffin. This small oasis within the city limits is home to the original Bourlay home and pole barn, as well as additional visitor amenities such as restroom, informational kiosk, exercise stations, amphitheater, chickee hut, benches and picnic tables. A period cracker house was relocated to the property to act as a visitor and interpretive center.

Staff pressure washed and painted the pier.



Staff cleaned, sanded and repainted wooden trail signs.

Staff spread asphalt millings over the clay parking. The parking area was prone to flooding and large mud-holes. Staff replaced signs throughout the preserve

Staff oversaw the installation of a new preserve sign, as part of the Lake County Water Authority's rebranding initiative.



In October, staff repaired a leaking water line underneath the Bourlay House.

Staff jacked up the cracker house and shimmed up the floor in the middle where it was sagging.

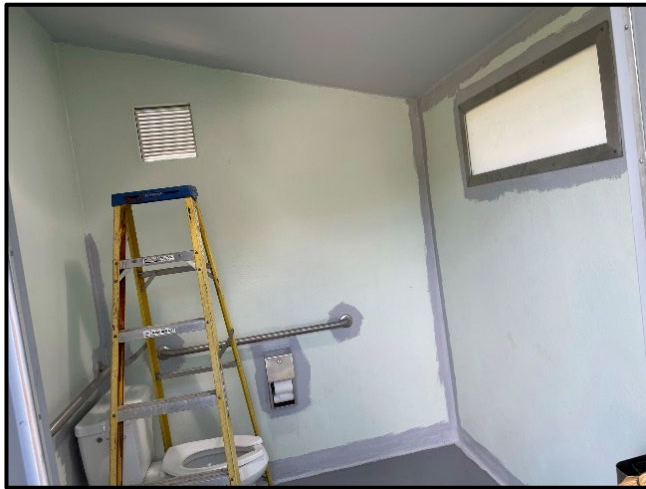
Crooked River Preserve - Many local residents and visitors have enjoyed this 64-acre preserve. Located on the northern shore of Lake Louisa, on Crooked River (a.k.a Palatlahaha River), this beautiful preserve encourages visitors to fish, hike, birdwatch and paddle the river as part of the Clermont Chain of Lakes. Staff continues to manage the property for the benefit of listed plant and wildlife species and for the property's aquifer recharge value.



Staff replaced sand bags at the top of the canoe launch area to minimize erosion and to direct runoff to a riprap area to the left (far side of the photo) of the launch.

Staff weeded the Trailhead Garden and trimmed around the restrooms and under the large oak tree behind the restrooms.

Staff painted the restroom building; interior, exterior and roof.



Staff replaced the ADA picnic table at the end of the trailhead sidewalk. Staff brought in some lime rock material to fill in some holes in the parking area. Staff repaired the kayak racks.

Flat Island Preserve - The 2,317-acre property nestled in the Okahumpka Marsh of western Lake County, safeguards an impressive and relatively undisturbed natural area consisting of a vast network of hardwood swamp, upland hardwood hammocks and a wildflower meadow. This large wetland delineates the hydrologic divide between the Ocklawaha River Basin and the Withlacoochee River Basin.



Staff painted the side rails on the Boardwalk.

Staff replaced the back door on the Site Residence and replaced the old concrete steps to the back door.

Staff refurbished the partitions in the restrooms.



Staff cleaned and painted the restroom floors, exterior, doors, and trim.

In October, staff had a new preserve entrance sign installed.

In December staff cleaned out the bat boxes.



Staff repaired fencing in the parking area and along the entrance road.

Hidden Waters Preserve - Purchased in 1996 this Preserve in the Mount Dora-Eustis area protects a sinkhole lake and steephead ravine that was once used as a local landfill, party spot and golf course. This popular 90-acre preserve provides residents and visitors a unique experience. In 2000, this preserve was the first public property in Lake County to be selected for the Great Florida Birding and Wildlife Trail. The topography and an elevation difference of more than 100 feet from the start of the hiking trail down into the sinkhole lake area are unique for this county.





In January 2021, there was a wildfire that burned about an acre of land on the west side of the property. The Eustis Fire Department responded and contained the wildfire. Staff checked on the fire the next day and did some additional mop-up.

Later that month, staff burned out the rest of the unit with the wildfire and the next unit south of the wildfire.

Staff conducted a pile burn in the northwest unit to burn up dead pines that were damaged by a beetle infestation.



Staff installed geo-web material and gravel on a section of trail that is prone to erosion. This area has been resodded multiple times over the years but; due to shade, low nutrient soils, and lots of foot traffic; the grass never lasts.

In October, staff refurbished the parking areas on Country Club and Abrams with asphalt millings. Eustis High School hosted a Cross-Country event on the preserve.



Over two weekends in September and October, staff worked with an Eagle Scout Project where they collected seeds and pulled non-native plants and installed a new bat nesting box that they build. There were about 20 scouts and adults helping with the project.



Lake Norris Conservation Area – Although the St. Johns River Water Management District owns this property and manages the natural resources, the Water Authority partners with SJRWMD to provide public recreation opportunities such as camping and canoeing. Popular activities include paddling, horseback riding, camping, and hiking.

Staff installed a memorial bench. The parents of a son who passed away from cancer wished to memorialize their son and his love for the area.

Staff met with the Land Manager of Lake Norris Conservation Area, to discuss updating the Memorandum of Understanding between the Lake County Water Authority and the St. Johns River Water Management District outlining the management of Lake Norris Conservation Area.



Sabal Bluff Preserve – The 55-acre property was donated in 1999 by Mr. Arthur “Buddy” Bourlay III and has been undergoing upland and shoreline restoration and the re-establishment of prescribed burning. Hiking, birdwatching, kite flying and wildlife observation continue to be popular at the preserve. Of all the Water Authority properties, this is the only preserve to allow visitors on golf carts to tour the property seven days a week from adjacent mobile home communities.



Staff cleaned and polished the Buddy Bourlay Memorial Plaque and mulched around the bench near the plaque.



Staff replaced signs throughout the preserve.

Staff removed old fence on the northeast corner of the property. Staff worked with on of the Land Management contractors on weeding and maintaining the restoration plots.



In September Staff had a new preserve entrance sign installed.

In October, staff burned the 9-acre SB-05 unit.

Sawgrass Island Preserve - This 1,137-acre site provides protection for the 485+ acre sawgrass marsh located within the interior. This marsh provides the largest freshwater influx for Lake Yale. It is also home to large flocks of sandhill cranes, turkeys, and Northern bobwhite quail. The unique mix of uplands and wetlands throughout the property provide a welcoming habitat for Florida's native wildlife. This property was selected in 2008 by the Florida Fish & Wildlife Conservation Commission for inclusion on the Statewide Birding and Wildlife Trail. Because this area of the county provides an environmental corridor for wildlife, threatened Scrub Jays have been surveyed along the perimeter of the preserve and threatened Florida Black Bears have been observed at the preserve.



Staff put up new camping signs.



Staff pressure washed picnic tables, kiosks, and signs.

The following Preserves do not have amenities but are accessible to the public through walk-through-gates or by water (boat) access.

Banana Point Preserve – This 12.9 acre preserve is located on the south shore of Lake Harris where it meets the Palatlakaha River.

Bear Track Preserve - This 193-acre preserve was donated as part of a mitigation project by a local developer. The Water Authority accepted this parcel due to its location within the Ocala-Wekiva River Greenway corridor, inclusion within the Lake Norris– Blackwater Creek Basin and its hydrologic connection to Lake Norris. Walk-thru access for the public is available and staff also conducts tours of the property. In December 2016, the Water Authority purchased 18 acres of the Richards Property as part of the agency's effort to protect this hydrologically important area and provide for future public access to Lake Norris for paddling. In June 2019, the remaining 85 acres owned by Mr. Richardson were purchased cooperatively by the Florida Division of State Lands and the Lake County Water Authority.

Brightwater Mitigation Area – This 35-acre property is located on the south shore of the Dead River, on the Lake Harris (west) side, but is not directly on Lake Harris. It is accessible through the Imperial Terrace community.

Double Run Preserve - This 574-acre Preserve protects the historic connection between Lake Apopka to the south and Little Lake Harris to the north. This large expanse of hardwood swamp also protects the Double Run Spring Run. Although there is no public access by land, visitors can boat and paddle into the Preserve to fish or observe wildlife. Staff has led paddle trips into this preserve.

Eagle Ridge Preserve - This preserve is approximately 341 acres. It was purchased by the Water Authority in 1994 and 1996 as part of a plan to preserve the western shoreline of Lake Griffin and the variety of wetlands and uplands on the site. Currently public access is not available due to the location of the main road, which traverses through private property. The adjacent private property was put up for sale in 2012 and is awaiting a buyer. However, paddlers and fisherman have enjoyed the Lake Griffin shoreline.

Fern Prairie Preserve - This site was purchased in 1992 for the protection and preservation of one and one-half miles of undisturbed Lake Eustis shoreline and a vast forested wetland. The 587-acre preserve represents the largest remaining intact section of shoreline on the entire Lake Eustis. The lakeshore is accessible by boat.



Flowing Waters Preserve - Portions of this 206-acre property were purchased in 1995 and 1996 to preserve the shoreline along the Haynes Creek waterway. Paddlers and fisherman can enjoy the undisturbed shoreline of this property for fishing and wildlife observation.

Goat Island – This is a 1-acre island in Little Lake Harris, located east of Howey-in-the-Hills. There is not much dry land, but the trees are used as nesting areas for many birds including herons and egrets.

Ocklawaha Picnic Grounds - This 55-acre property was purchased in 1996 and 2005 to protect wetlands on the fringe of Lake Eustis. There is access along the lake for fishing and wildlife observation.

Scrub Point Preserve - This unique South Lake County property is located on the south shore of Johns Lake. Purchased in 1996, this property was acquired to protect one mile of Johns Lake shoreline and the high aquifer recharge contained within the uplands. Under a cooperative relationship with Bok Tower Gardens, the preserve has been the host site for the successful planting of federally endangered Claspig Warea plants. Main objectives for the property include maintaining open sandy areas to enhance the aquifer recharge capabilities, to provide valuable habitat for listed species and control invasive, exotic vegetation.

Treasure Island Preserve - Purchased in 1999, this 73-acre property protects Lake Griffin's shoreline and wetlands and provides a protected cove for paddlers and fisherman to enjoy. Staff maintains the property and implements an aggressive exotic, invasive control program for feral hogs, air potato, taro, chinaberry, and camphor. There is public walk-in access and a short trail used primarily by neighbors.

Wilkin Preserve - This 33-acre property was purchased in 1999 to preserve wetlands and shoreline along Lake Griffin. The public can enjoy boating and fishing opportunities along this shoreline. Staff accesses this property by boat for periodic inspections.

Wolf Branch Sink Preserve - This 154-acre Preserve was purchased in 1992, 1993 and 1999 to protect one of only two creek-to-sinkhole hydrologic systems existing in Lake County. This preserve is located east of Mount Dora and it is situated in a high aquifer recharge area. The property also protects four collapsed sinkholes and one active sinkhole recharging into the lower Floridan Aquifer. The preserve provides a protective buffer that reduces the chance of pollutants reaching the aquifer.



Other Properties

Big Prairie – This 5-acre parcel is located on the western boundary of the county, west of Palatlahaha Island Preserve. The parcel is almost totally grass (Bahia grass) and has minimal access.

Goose Prairie - This 5-acre parcel is located behind the Wedgefield Community. Unfortunately, there is limited access to this property.

Lake Florence – This property is 10 acres of lake-bottom in Montverde. Lake Florence is located just west of the Montverde Academy campus.

Lake Tracy - This 440-acre parcel is mostly lake-bottom and associated wetlands around Lake Tracy. It is located just west of the Royal Trails development in the northeast corner of the county.

Palatlahaha Island Preserve - This 31-acre peninsular island and surrounding wetlands was purchased in 2001 with the objective of furthering the protection of the Palatlahaha River and the beneficial marshes that buffer it from development.

Sawmill Lake – This property is 20 acres of lake-bottom in Sawmill Lake located in southwest Lake County, west of Lake Louisa.

Tanner Preserve - Donated in 1990, this 37-acre preserve is part of the larger Eustis Meadows (a.k.a. Pine Meadows) wetland system southeast of Umatilla. This preserve holds a conservation easement by the Florida Department of Environmental Protection in return for any impacts from the Water Authority's Nutrient Reduction Facility (NuRF) Project located along the Apopka-Beauclair Canal.



HICKORY POINT PARK

Developed by the Lake County Water Authority as a unique, recreational, waterfront park, the Hickory Point Recreational Facility premiered in February 1992. Today this 67-acre park provides numerous activities and facilities for guests of all ages and is still a one-of-a-kind facility in Central Florida. Open 24-hours a day, seven days a week.

Hickory Point Park is a perfect destination for a day's outing. Guests can enjoy the outdoor picnic areas with barbecue grills, wetland boardwalk, open-field play areas, nature trail, playground, horseshoe pits and sand volleyball court. Ample parking accommodates cars and boat trailers. The park has twelve boat ramps, two of which can accommodate deep-draft vessels including sailboats. A boathouse and comfort station provide convenient access to restrooms.



Hickory Point Park offers a day-use marina (no overnight mooring), with an

observation platform and two fishing piers. The mooring facility accommodates boats up to 10 feet by 30 feet. There are 36 boat slips available. The park also features a two-story, screened pavilion with first-floor picnic tables and barbecue grills. The second floor, with convenient elevator access, offers two screened banquet rooms with round tables, patio chairs and barbecue grills. The pavilion can accommodate small groups or larger gatherings of up to 275 people. Restrooms are located on both levels. Handicap restrooms are on the first floor only.

In 2014, the Water Authority leased a portion of Hickory Point to Lake County. The County worked with the Florida Region of USA Volleyball to construct and manage a 21-court sand volleyball complex. In 2018, construction started on The Hickory Point Beach Fieldhouse adjacent to the existing sand volleyball courts and was completed in 2019. The relationship between USA Volleyball and the Water Authority attracts players and tourists, nationwide.

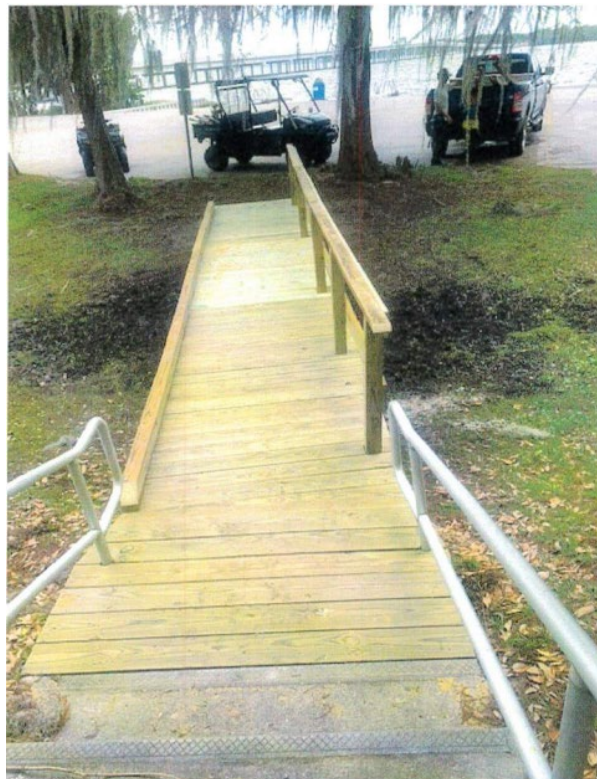
In 2016 the Lake County Water Authority donated another portion of Hickory Point for use by the County on behalf of the Lake County Soccer Club. Which has continued, since its inception, to provide sport activities to the residents of Lake County. The Soccer Club at Hickory Point provides a place for the many children and adults of Lake County who enjoy soccer to play and practice.

2021 Park Activities:

- Hosted a Middle School Cross Country Event that featured schools from across the county
- Base for 16 registered Fishing Tournaments in 2021, with an estimated 870 participating boats as well as many unregistered tournaments throughout the season.
- Hosted a Kid's Fishing clinic for 19 children and their families
- The Pavilion housed over 150 events/parties with over 10,000 participants/attendees

2021 Park Improvements:

- Designed and constructed a foot bridge across the main drainage pond that provides access to the boat ramps:



- Rebuilt the horseshoe pits behind the pavilion:



- Replaced the rotten fascia wood all around the pavilion balcony:



- Cleared debris and sediment from the stormwater drainpipes leading to the wetlands:



- Constructed wooden frames for all metal signs around park to improve the overall, natural milieu:

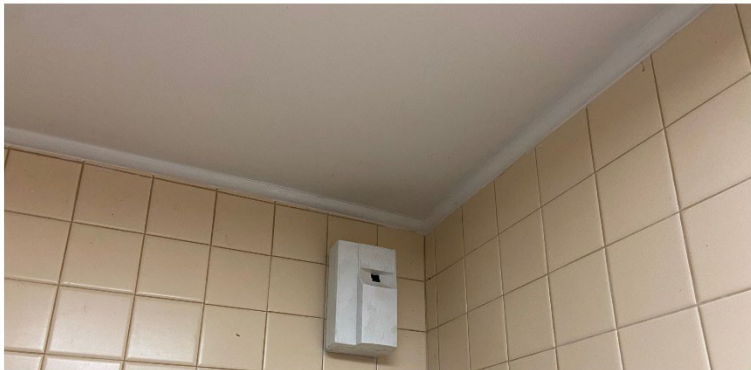


- Refurbished the picnic grills by grinding out rust spots, replacing damaged parts and resealing the metal with high temperature, anti-rust paint:





- Remodeled the ceilings in the bathrooms to eliminate water spots, mold, peeling tape/paint, ceiling/wall gaps, and old fixtures as well as refurbishing the changing station benches and striping out the old and unsightly caulking around fixtures and recaulking:

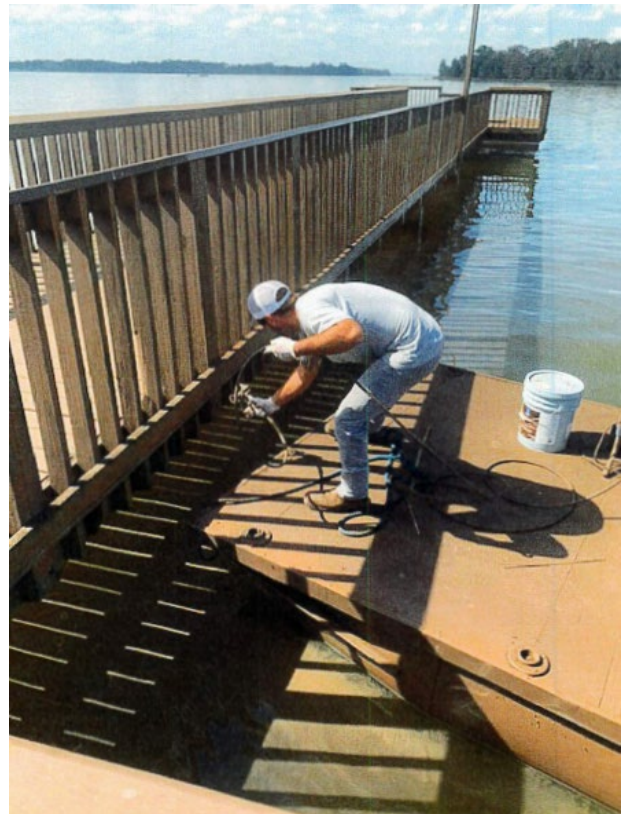




- Extended the SR 19 fence line to prevent crossing through the park where traffic is not permitted:



- Continued to replace, repair, and repaint areas of rot and debilitation on the boardwalks, landings, and fishing pier:



RESOURCE COMMUNICATION

The Lake County Water Authority staff takes every opportunity available to educate and provide information to the public regarding the Water Authority's programs, projects, and preserves. Due to the Covid-19 pandemic still in progress, in-person programs were still limited for part of the year. To continue to provide quality education and outreach, the Resource Communication and Naturalist continued online webisodes and podcasts. Through 2021, staff and contractors continued to work on promoting the Water Authority through the agency's website, Facebook, and Twitter social media sites. Excluding social media, agency outreach has reached over 5,134 residents, which is up slightly from 2020.

In 2021 we lost our Resource Communication contractor in August. For the remainder of the year an LCWA Staff member stepped in and continued the programs along with the Naturalist. Due to this some of the outreach programs were affected. The school programs were picking back up with scheduling happening for 2022.

Following are examples of resource communication and naturalist activities for 2021:

- Presented 5 water resource programs for students either in classroom, career days, or field trips. Schools included Lake Preparatory School, Eustis High School, Sorrento Elementary (all 6 3rd grade classes), Round Lake Elementary, Cypress Ridge Elementary ELC, and BB Brown's Summer Camp. Programs not held in the classroom were held at the Scrub Jay Trail, Trout Lake Nature Center, Hickory Point Park, NuRF, or Zoom. Total students reached: 398
- Presented 11 adult programs, one on fertilizer usage, and two appearances on Hawthorne TV, and three presentations to community groups and HOAs on aquatic plants, manatees, fish species, NuRF, invasive exotic species, and Lakes Hydrology 101. Also helped with two Project Wet Workshops and with a Project Learning Tree Workshop. Total adults reached: 1,873
- Provided shoreline protection and restoration guidance and expertise to local communities, like Hawthorne HOA.
- Collected over 94 water samples from area lakes and took them to the County Water Lab for testing.
- Updated LCWA brochures and displays for more interaction with the community.
- Helped promote April as Springs Protection month and Water Conservation Month with daily Facebook posts in April.
- Monitored manatees in the Harris Chain of Lakes in connection with Clearwater Marine Aquarium and Rescue.

- Hosted two field trips for LEEF (League of Environmental Educators in Florida). Total Reached: 36
- LCWA staff worked with the Lake County Office of Probation to provide work opportunities for the W.I.L.A. (Work in Lieu of Arrest) program. The program helped removed invasive plant species from Hidden Waters multiple times and at Hickory Point Park. The program also painted the bridge at Hidden Waters Preserve. The program also removed invasive plant species out at Flat Island Preserve.
- Attended local community events throughout the year with an informational booth and participated in activities. Total reached: 1,648
 - Tavares Arbor Day
 - Envirothon
 - Howey In the Hills Easter
 - Lake County Fair
 - Home and Garden Expo
 - Mt. Dora Earth Day
 - Clermont Earth Day
 - Tavares Lakeshore Clean Up
 - Howey In the Hills Halloween



- Friends of the Tavares Library Scarecrow Contest



- Beacon College Recycle Day
- Sunday Fun Day at Trout Lake
- Water Authority staff partnered with the Lake County Parks and Trails staff to host 4 paddling events throughout the County designed as an introduction to our waterways and encourage participants to enjoy recreating on the County's lakes and rivers. Total reached: 36. The 2021 paddle trips were:
 - Crooked River Night Paddle with s'mores
 - Helena Run Blue Way Paddle
 - Beginner Paddle Class
 - Double Run Paddle (canceled day of due to weather)



- LCWA Community Events we organized and hosted. Total reached: 563

- Free Kids Fishing Clinic at Hickory Point Park



- Bourlay Historic Nature Park Lantern Walk with DAR (Daughters of the American Revolution)



- Wolf Branch Sink Preserve Open House
- Wolf Branch Sink Preserve second Open House

LCWA Hikes around our preserves. These hikes are a way to showcase the preserves, educate participants on conservation of the land, and the importance of the aquatic features on the preserves. 2021 showed much interest in our two most visited preserves. Totals reached: 90

- Flat Island Preserve Loop Hike
- Flat Island Bat Hike with S'mores



- Hidden Waters Preserve Ravine Hike
- Hidden Waters Preserve Hike
- Flat Island Loop Hike

In 2021, the Lake County Water Authority provided funding for Trout Lake Nature Center (TLNC) for operation and personnel, for transportation to TLNC and for schools that the School Board would not otherwise fund to attend programs at TLNC.

The Water Authority has continued to fund two contractors, Resource Communication, and a Naturalist. The contractors are charged with providing water resource information within the community through public events, schools, nature tours, community groups, and workshops. Following is a description of the two contractors and their roles on behalf of the Water Authority.

- **Resource Communication** - The Resource Communication Contractor coordinates in-class programs and school field trips to the LCWA properties, develops educational activities and presentations based on the agency's mission, provides assistance for public water resource projects, teacher outreach workshops, coordinates the installation of storm drain markers, coordinates lake clean-up events, oversees the aquatics station in the annual Envirothon, conducts outreach to local schools and community groups, prepares press releases and coordinates NuRF field classes.
- **LCWA Naturalist** – The Naturalist leads hikes and paddles during the weekdays and especially during the evening and weekend hours and assists the Resource Communication Contractor with public education and outreach events.



Lake County
WATER AUTHORITY

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DATA RESOURCES

Geographic Information System (GIS)

The Water Authority has experienced a considerable increase in the requirement to provide information to the Board and to the public. The Water Authority has experienced an increase in requests for accurate mapping, information and educational services. The Lake County Water Authority has met the demands for providing greater service in part by using new technology to improve services.

Some of the major issues facing the Lake County today such as economic development, tourism, environmental impact, increasing population, improvement of provided services, and so on, has a critical geographic dimension. The old adage "better information leads to better decisions" is true for GIS. A GIS is not just an automated decision-making system but a tool to query, analyze, and map data in support of the decision-making process.

The Geographic Information System (GIS) has become an essential technology for the Water Authority when making key water and environmental decisions since most of them are related to geography. Geographic information is one of the most important and valuable tools to support the infrastructure of the Water Authority. Geographic Information Systems can play a vital role in making local governments more efficient and more productive, and often result in better service delivery. The benefits accrued from GIS implementation are considerable.

Benefits of GIS:

- Improved mapping and analytical capabilities
- Improved access to data for both employees and citizens
- Improved processes for managing information and conducting analysis both past, present and future
- Less duplication and easier map storage
- Higher product complexity
- Enhanced public presentations and public service capabilities
- Improved analytical capabilities of critical data sets
- Improved ability to share data electronically
- Enhanced economic and community development capabilities
- Improved communications throughout the organization
- Improved the flow of information in the decision-making process
- Guide us to find features in a real-world environment
- Makes understand the precise location of features
- Is a technology that makes the Water Authority more efficient in obtaining information for better decision-making

System Administration

System Upgrade and Security

Network security is recognized by the Information Technology (IT) industry as one of the most complex problems IT personnel face. As such, staff has taken a more active approach in network and data security. The approach includes tasks such as:


- ▶ Enclosing the main network equipment for protection and durability
- ▶ Installing servers on secure and locked rack system
- ▶ Upgrading the server and operating system
- ▶ Actively updating the virus protection software
- ▶ Upgrading spam e-mail protection software
- ▶ Upgrading all office workstation's operating systems with latest software patches
- ▶ Improving backup systems for data and email files. Including data set, reports, and important documents obtaining vital information
- ▶ Installing a firewall device for protection of network and virus intrusion

Several precautions have been put in place to minimize these types of network attacks however system infiltrations are difficult to prevent. Network administration is an active part of total in-house support to staff members of LCWA. A secure network is major challenge that staff will keep working to address. For next year, staff will take advantage of the new technology by installing new security appliances that will decrease the security threats to our network.

Web Mapping Applications (Apps)

Last year the Lake County Water Authority GIS encumber the task of updating the existing mapping applications that utilizes the resources provide by ESRI (main GIS software) and the historical aerial photographs of Lake County captured by USDA. During the 2021-year staff has continue to update and maintained these apps with great feedback from the public. There have been several agencies, including the Lake County Property Appraisal's office, which utilizes these apps for the everyday task when evaluating property values.

This year staff created and configured new web map applications that could map particular data like our preserves on the web without the need of downloading or installing software. The best thing about these apps is that they work across computers and mobile devices. The type of information can be presented succinctly and clearly in the form of a web map app allowing the public to focus on the real time information rather than trying to understand it by downloading software and the data. Because GIS apps can be produced over the web, multiple scenarios of maps can be evaluated without the need of technical expertise.



Lake County
WATER AUTHORITY

[INFORMATION](#)
[WATER RESOURCES](#)
[LAND RESOURCES](#)

WEB MAPPING

HOME / WEB MAPPING

Edit Center Area
Eddie Mece
Admin Panel

MV PUBLIC SERVICES

Check your trash, recycling, yard waste pick-up days as well as find valuable public facilities.

[View AP-12](#)

LAKE COUNTY IN 1941 AND NOW

WebMap Application - Comparison between 1941 and present imagery in Lake County Florida.

[View AP-12](#)

SAWGRASS ISLAND PRESERVE MAP TOUR

Sawgrass

[View AP-12](#)

FLAT ISLAND PRESERVE

Photo Map Tour for Flat Island Preserve


[View AP-12](#)


BOURLAY HIST. NATURE PARK

Bourlay Hist. Nature Park Map Tour


Bourlay Hist. Nature Park
Bourlay Hist. Nature Park Map

Photo Map Album







Entrance Sign




Cracker House




Bathrooms




Kiosk




Parking lot




Settlers Bend Trail



Woodpecker Loop Trail



Clotches



Fishing Pier

Comparison of Historical Aerials of Lake County, Florida

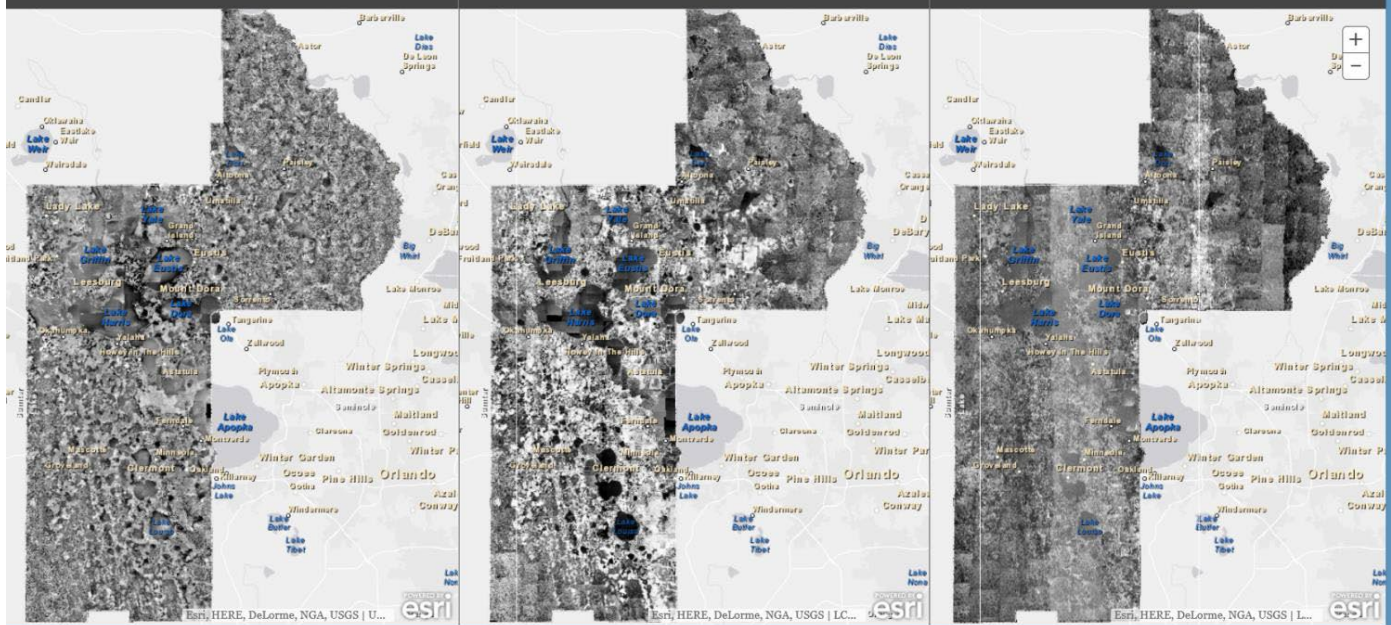
1941, 1958 and 1972 Aerials Scanned and Rectified by the Lake County Water Authority

SYNCHRONIZE MAPS:  Scale  Location

Map of Lake County, FL - 1941 Historical Aerials

Map of Lake County, FL - 1958 Historical Aerials

Map of Lake County, FL - 1972 Historical Aerials

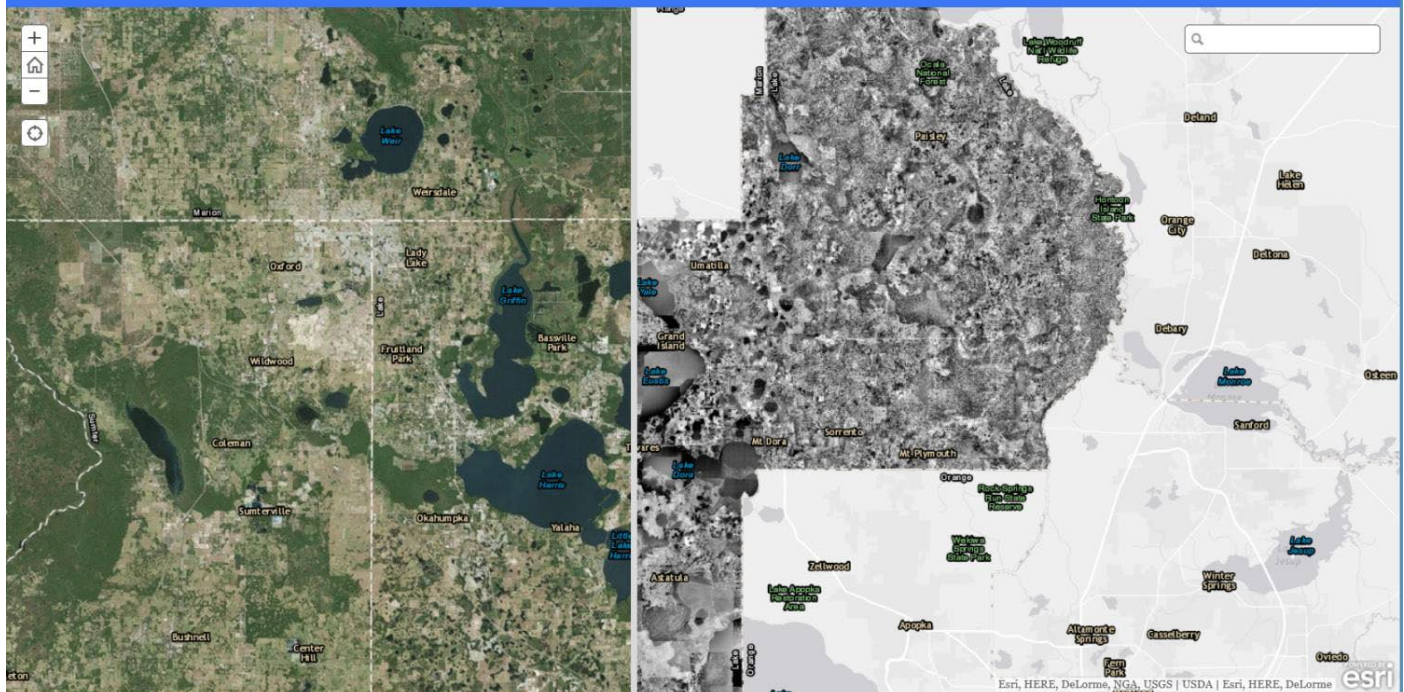


Lake County in 1941 and Now

Lake County Water Authority   

This web app allows the users to zoom in to their location by typing address or using the location button and compare aerials back in 1941 and now by moving the slider line in the middle of the map. The 1941 aerials photos were provided by USDA acquired, scanned and rectified by the Lake County Water Authority.

 esri



The Water Authority is now using GIS Web Apps to help reach better decisions and to inform the public. One of the apps shows the difference in time of 1941 and now aerials. This app especially is useful to show how growth in Lake County is most reflected at different areas. The location of protected areas, including open preserves, based on present location or address is another example of how these GIS apps could provide benefit for the enjoyment of the public.

The Water Authority will continue to maintain a GIS system including the new web map apps and participate in the sharing of updated data and the acquiring of new layers. The Water Authority will routinely cooperate with other agencies and the public to produce county data layers, as well as more we map apps. Such visual tools will include bathymetric map app, boat location and information app and other web maps of water and natural resources within the county. These new webmap apps are a simple way to visualized data related to the natural resources of Lake County.

Lake County Water Resource Atlas

The Water Resource Atlas has been up and operating since April 2003. This Web site (<http://wateratlas.co.lake.fl.us/>) consolidates information on the water bodies within Lake County. It is a web-based atlas designed to provide citizens, environmental professionals, planners, and anyone else interested in water resources with current and historical water resource data and information in Lake County. The Atlas provides a one-stop location to find comprehensive and current water quality, hydrologic, ecological and recreational information. The concept was developed by the University of South Florida's (USF) Center for Community Design and Research.

The Lake County Water Authority has provided funding for the annual (Basic) maintenance of the atlas. With minimal updates the Water Atlas still provides the necessary data information about our lakes to both public and private sectors with a continuous usage of about 1,400 users per month. The usage is down from previous years when the atlas was in the standard maintenance at 1,720 users per month.

The LCWA Board included \$25,000 in its FY 2019-20 budget to upgrade the Atlas with a new front page and going with the "Standard" instead of the Basic functionality. The standard maintenance provides quarterly updates to all the data and the full functionality of the atlas for the year. This would maintain and increase the number of users of the Atlas.

USF would also like to include a three-year agreement that does not affect the Water Authority's decision if to terminate contract at any year.

The Lake Water Atlas went through an update including the initial home webpage completed in the beginning of 2020.

What is the Water Atlas Program?

- Provides the technology to connect multiple stakeholders in water resource management using a web-based interface
- Provides citizens and professionals with comprehensive and unprecedented access to water resource information
- Allows collaboration between local communities and citizens
- Designed to help meet the needs of both local governments and citizens

Benefits to Government

- Opens communication with citizens
- Allows scientists access to data from many agencies
- Reduced time spent finding data and information
- Increases citizen participation and volunteerism

The screenshot shows the Lake County Water Atlas website. At the top, it says "An edition of: WaterAtlas.org Presented By: Lake County Water Authority, USF Water Institute". There is a "Choose a Water Atlas" dropdown menu and a "site search" box. The navigation bar includes links for HOME, DISCOVER, MAPS / DATA, LEARN, and PARTICIPATE. A large banner image shows a swampy forest with the text "Lake George" overlaid. Below the banner, it says "WELCOME TO THE LAKE COUNTY WATER ATLAS" and "Helping researchers, resource managers, and the general public better understand and appreciate Florida's water resources." The main content area is titled "Find a Waterbody" and features a map of Lake County, Florida, with a yellow outline of the county. To the right of the map is a search box labeled "Type the name of a water resource in the box below." with a "Water Resource Name" input field and a search button. Below the search box are two tabs: "Popular Resources" and "Near Me". The "Popular Resources" tab is active, showing a list of water bodies: Apopka, Lake; Minnehaha, Lake; Eustis, Lake; Griffin, Lake; Harris, Lake; and Little Creek.

Benefits to Citizens

- One-Stop Access – Ability to access information and data easily and intuitively in one place
- Educational – Terms are explained in easy to understand language
- Citizen participation:
 - Collection of data (SJRWMD & Lake Watch)
 - Submission of photos
 - Reporting pollution
- Access to programs & projects – What government is doing to improve the environment
- Calendar of events for all public events

Statistics about the Water Atlas

- 987 Waterbodies in Atlas (named waterbodies only)
- 44 Agencies and Organization Providing Data
- 1,545,102 Individual Analyses / Observations
- 57% of Visitors of these were new visitors
- 23,653 Visitors in the last 12 months
- 57% of All Visitors Come from Searches (Google, etc.)
- 40% of Visitors Are Referred by Other Sites
- 29% of Visitors Go Directly to the Atlas

The Lake County Water Resource Atlas has been updated in 2021. Now there is new look and feel of the navigational links of information, making the Water Atlas more user-friendly. Other changes included more links to access information from the home page instead of hard to find web pages. The mapping and the graphing tools were upgraded to simpler to use looks and feel tools.

This internet-based Lake County Water Resource Atlas makes Lake County water resource data available to the maximum number of people in an efficient and cost-effective manner. The management of Lake County's water resources requires an informed citizenry and the cooperation of multiple government agencies. The Water Resource Atlas is a necessary tool for assisting citizens, scientists, and government leaders to manage the County's water resources

A. LCWA Property Layer

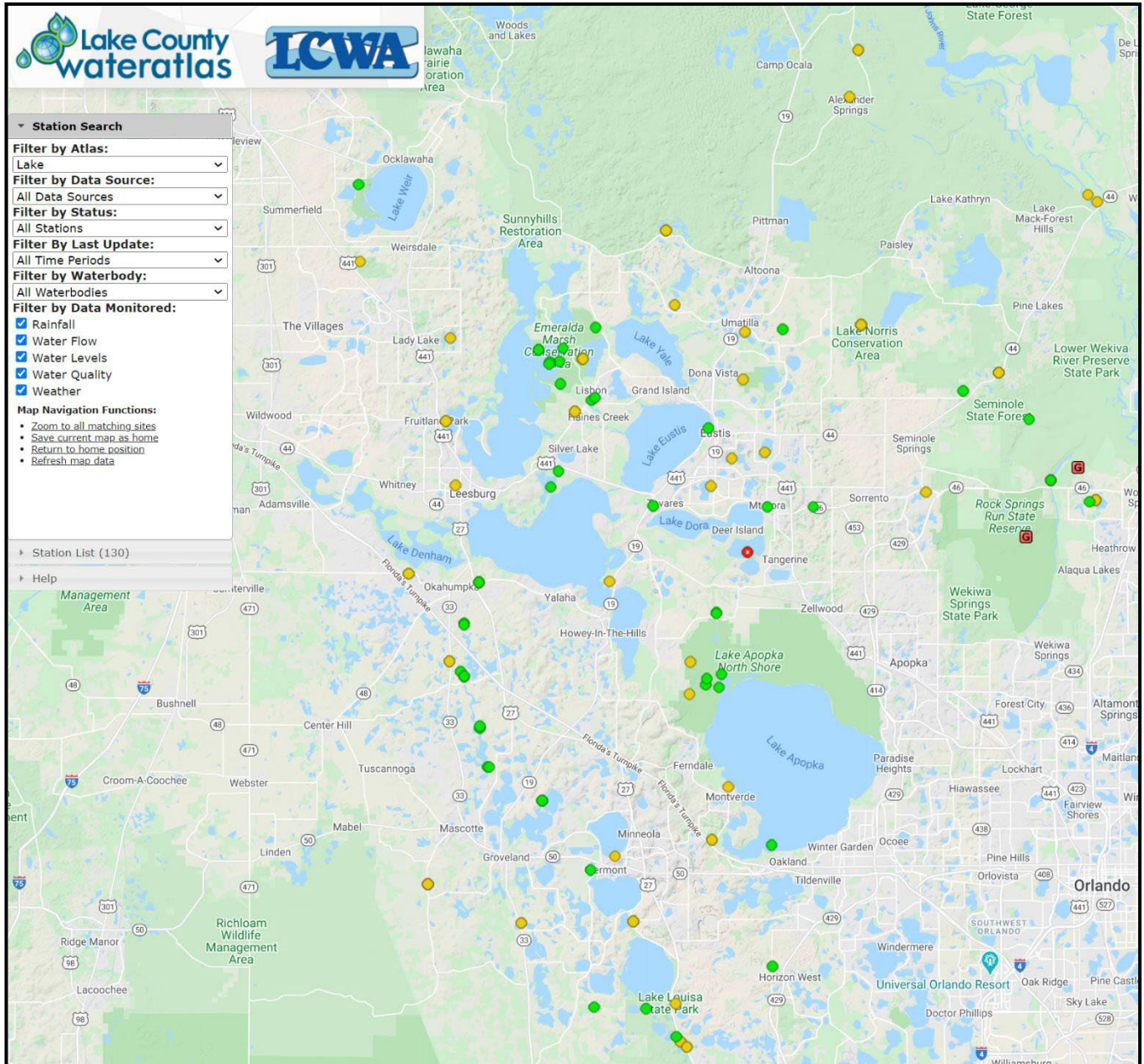
- The layer had several updates on the attribute and vector data that were incorporated in the GIS database. Copies of the layer and the metadata were submitted to the County's GIS department and the SJRWMD. Various property boundaries were incorporated into the layer utilizing certified surveys and the County's most updated parcel layer. This is a continuous updating project, in order to keep the layer up-to-date.

B. Data Update

- Several data layers were created and updated in the LCWA database. These data sets were obtained from the county's GIS or SJRWMD database. Other data layers such as the navigational sign location were created with the GPS system. Data sets such as the Boat Ramp layer information were updated in-house using the latest layer completed by the county. The LCWA staff is now responsible to keep and upgrade the Boat Ramp layer with the help citizens and boaters. A new layer added to the LCWA's GIS layers is the Blueways Trail and signs location layer. Staff was able to GPS those locations and provided the data to the county to be incorporated on the new Harris Chain of Lakes map.

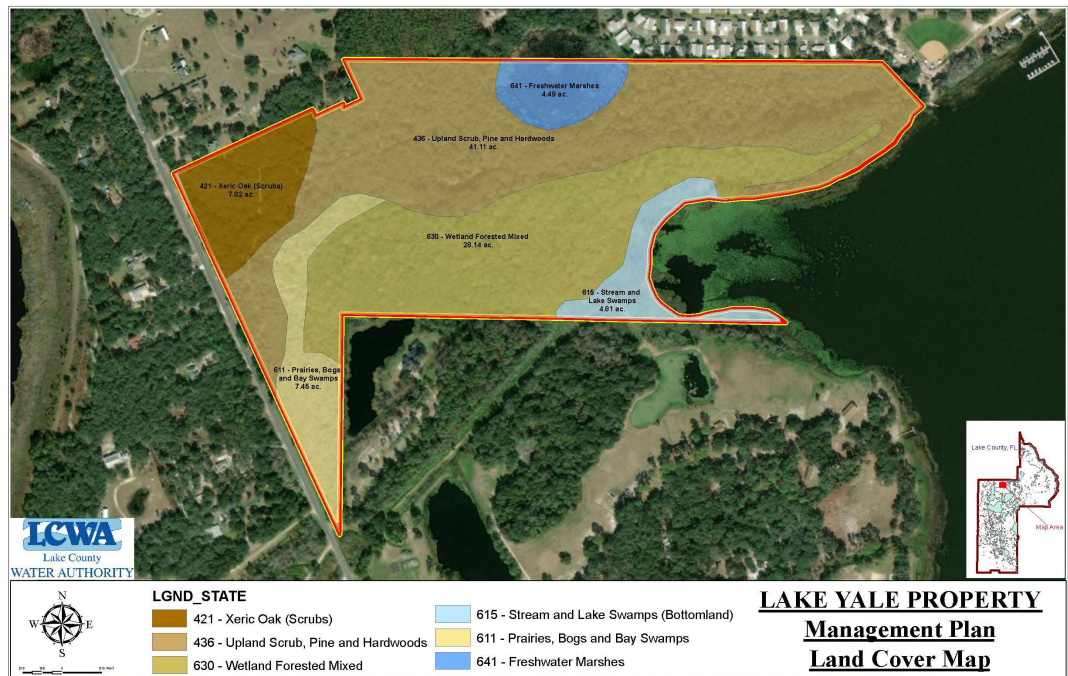
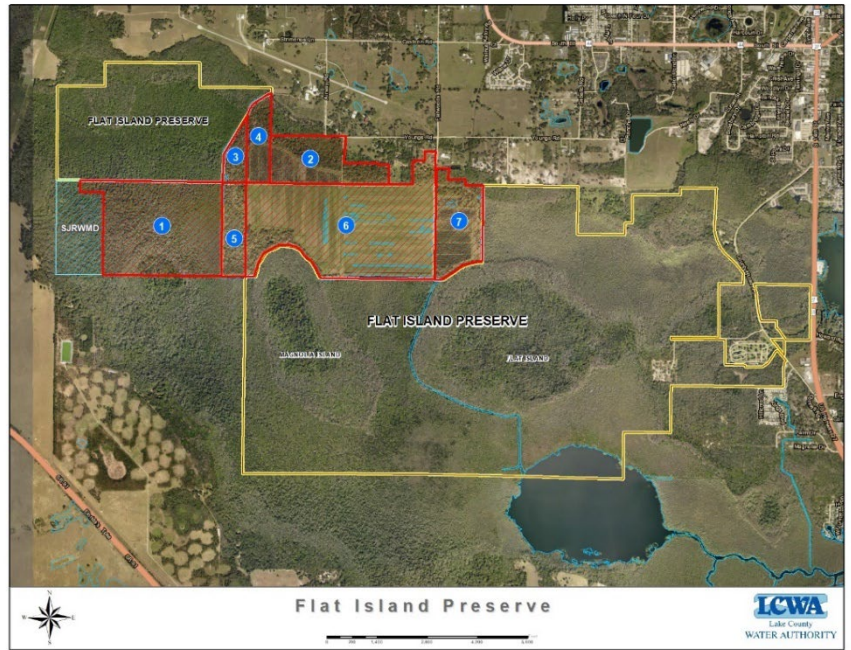
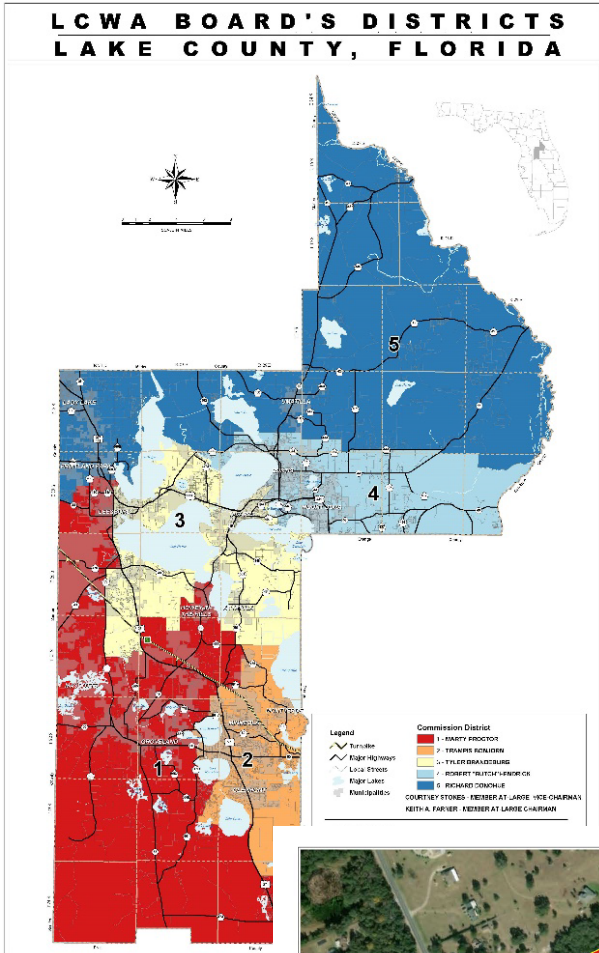
C. Interacting Mapping

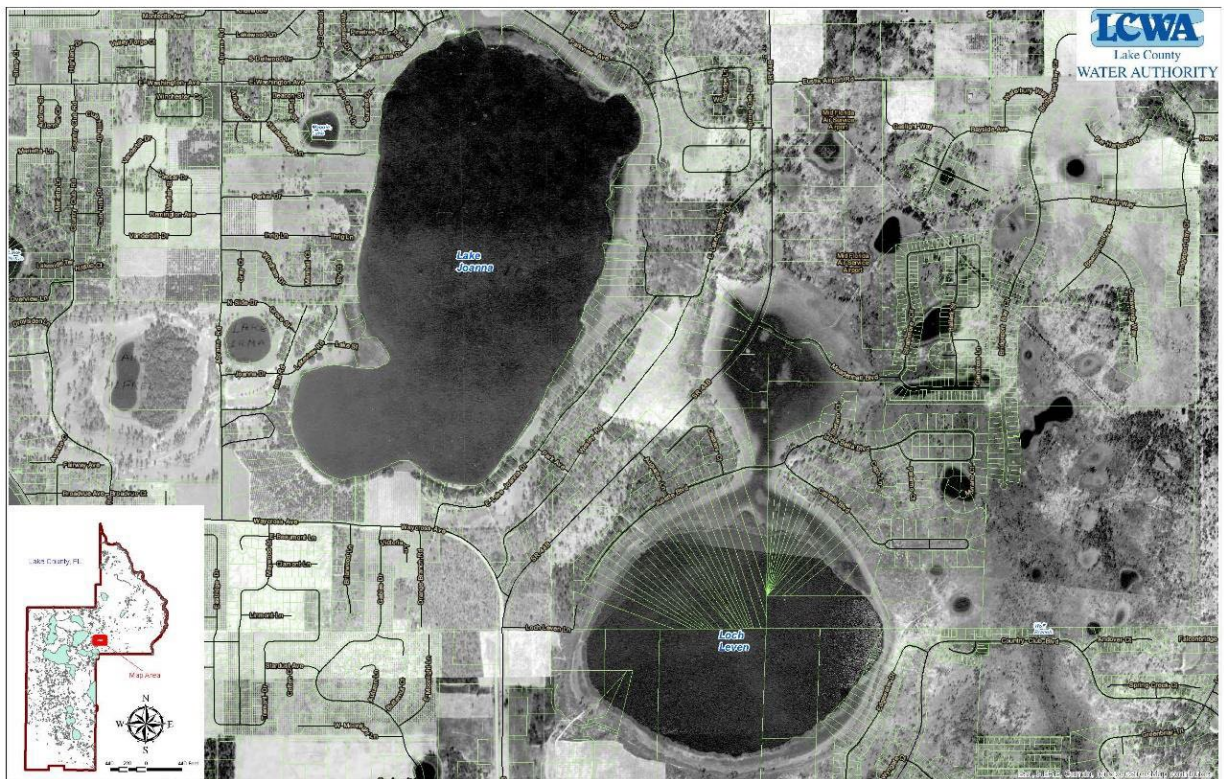
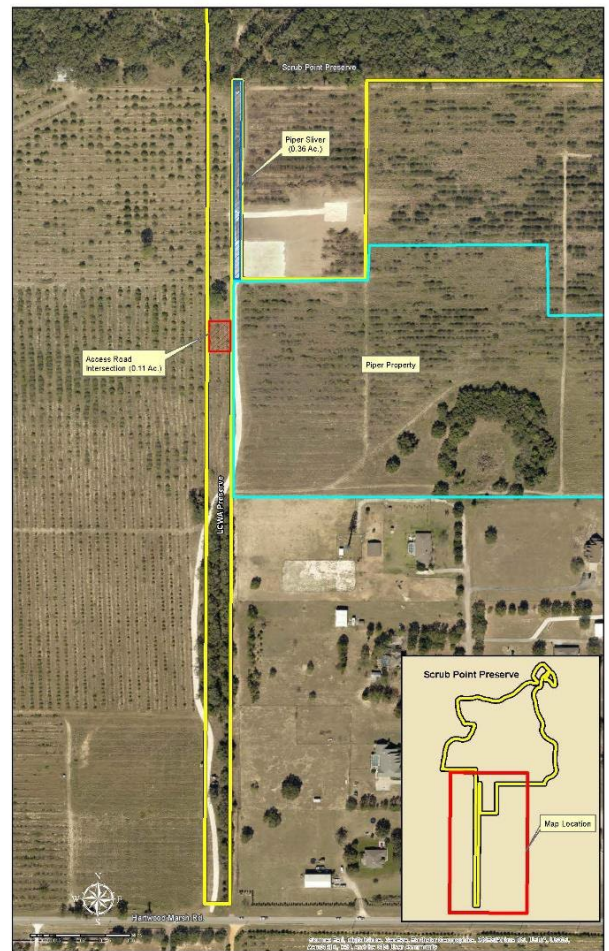
- LCWA and USF worked together to create an interactive mapping application that could provide real time water level and rainfall data from different locations throughout Lake County for the public to utilize. This application was integrated on the Water Authority's website with direct link to the Water Atlas data layers.

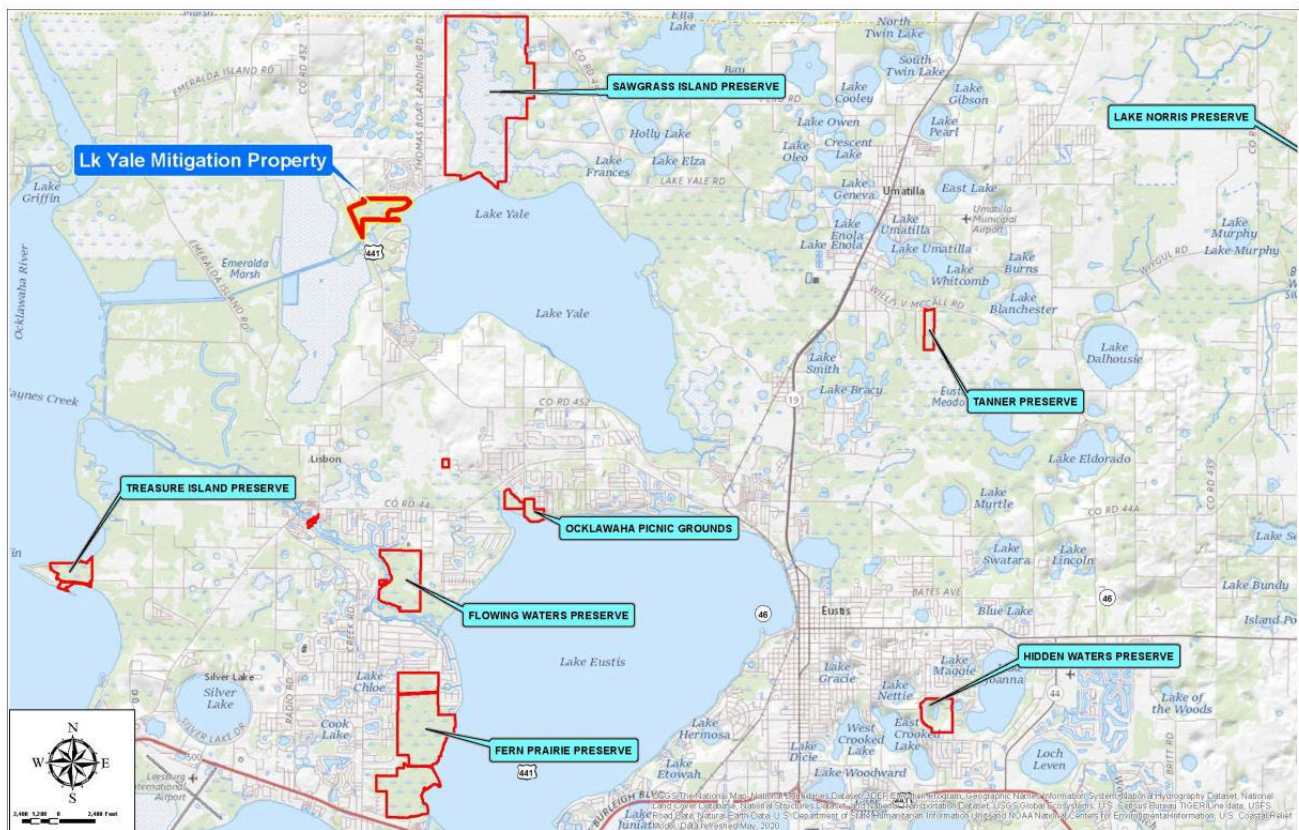
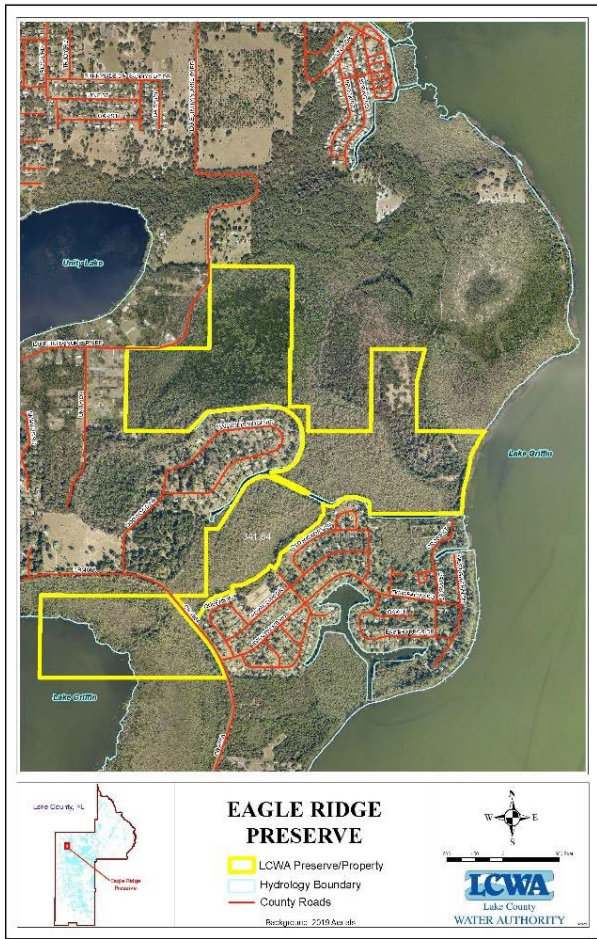


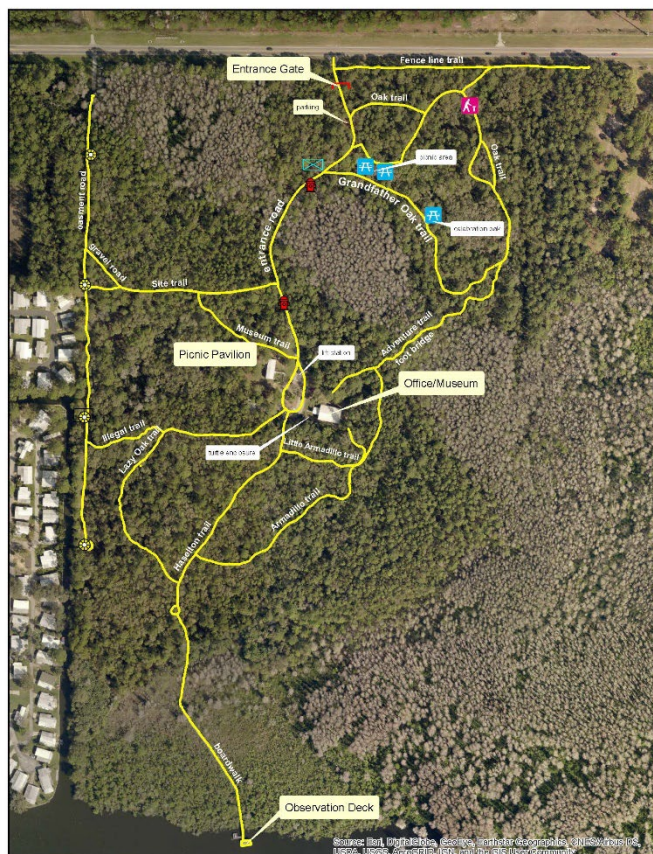
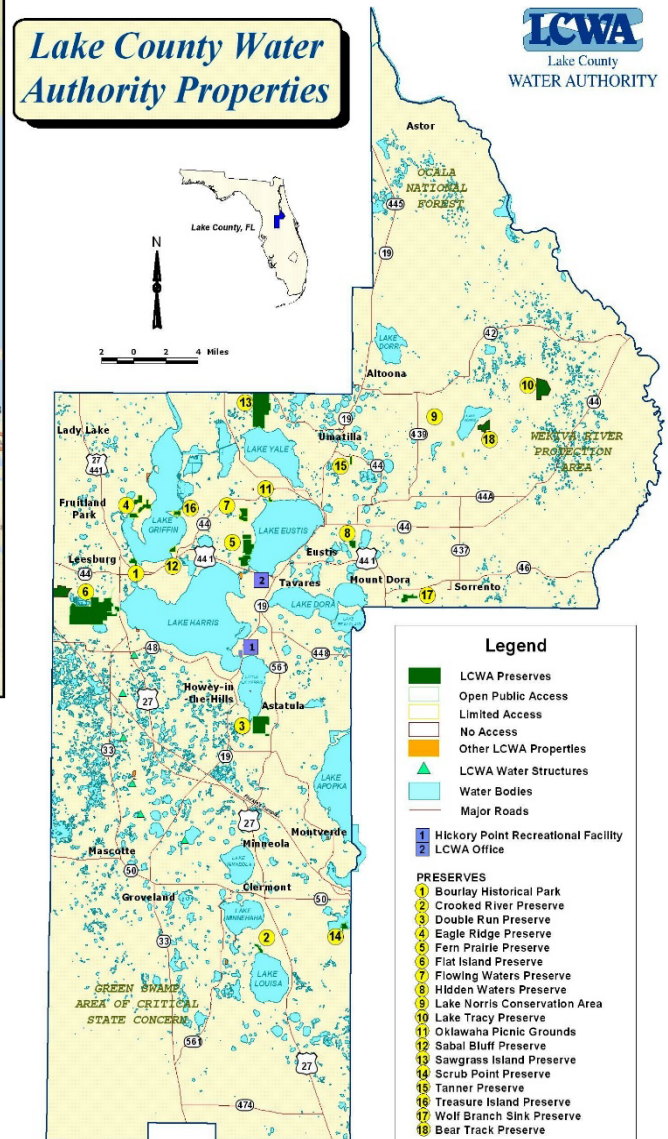
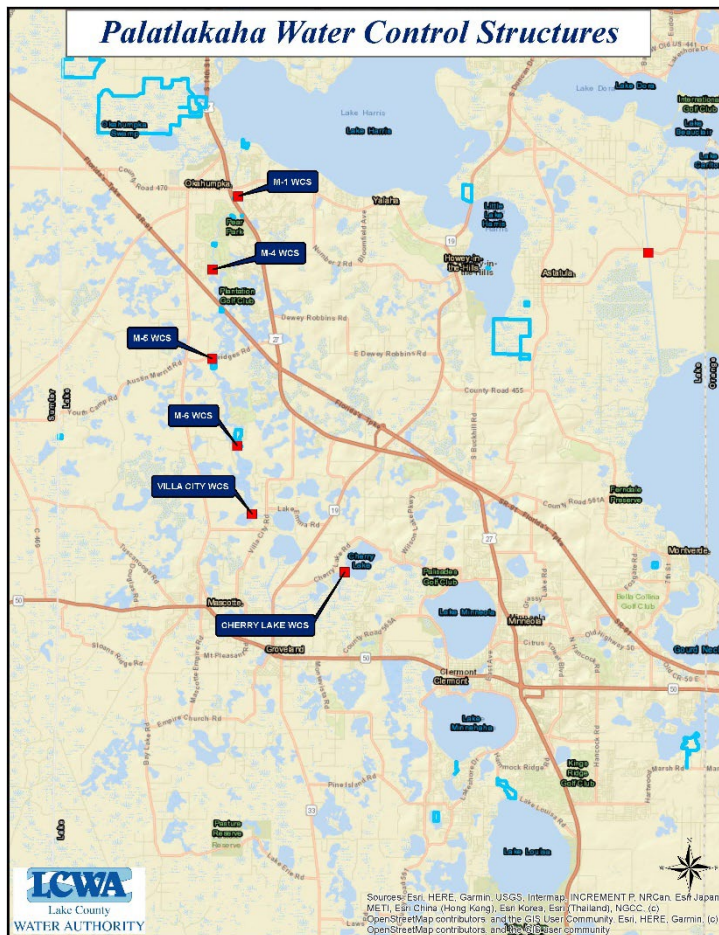
Produced Maps

Examples of maps that facilitated the planning and decision-making process and provided general information for the Board, staff and public in 2021 are shown below:









BUDGET PROCESS

Budget Procedures

The Water Authority ensures transparency of the budget process by encouraging public participation in the budget process. Prior to adoption, the Water Authority holds a public budget workshop and has discussions during regular board meetings to review any concerns with items to be included in the adopted budget. There are two public hearings held in September prior to final adoption of the fiscal year budget, where citizens have the opportunity to question and raise concerns about matters regarding the budget to the Water Authority Board. The scheduled times and locations of these meetings are advertised in accordance with State of Florida statutes in a newspaper of general circulation and on the Lake County Water Authority website. The proposed budget is also available to view on the website prior to both meetings.

Budget Adoption

The Water Authority budget is adopted by fund at the object level through resolution at a public hearing held during the last scheduled Board meeting each September. Upon final adoption, the budget is in effect for the fiscal year, with the amounts stated therein being appropriated to the several objects and purposes named.

Budget Transfers

A budget transfer is necessary only when expenditures exceed the total budget for the Major Object Code for a department or fund.

Major Object Codes are defined as:

- 100 Personal Services: Expenditures for salaries, wages, and related employee benefits provided for all persons employed by the County whether on full-time, part-time, temporary or seasonal benefits. Employee benefits include employer contributions to a retirement system, social security, sick leave, terminal pay, and similar direct benefits as well as other costs such as Workers' Compensation and Unemployment Compensation Insurance.
- 300 Operating Expense: Expenditures for goods and services which primarily benefit the current period and are not defined as personal services or capital outlay.
- 600 Capital Outlay: Expenditures for the acquisition of, or addition to, fixed assets.
- 700 Debt Service: Expenditures to repay debt.
- 800 Grants and Aids: Expenditures to other agencies, governmental agencies, or private organizations.
- 900 Transfers and Reserves: Interfund or intergovernmental transfers, contingencies, and reserves.

A budget transfer is required for purchases of a specific capital item which exceeds the adopted budget for that items. The Executive Director may approve budget transfers with a total value of \$25,000 or less. All transfers greater than \$25,000 must be approved by the Board. The Board must approve all transfers from contingency or reserve accounts through official Board action.

Truth-In-Millage (TRIM) Requirements

Florida Statute Chapters 200 and 218 detail the Truth in Millage (TRIM) requirements and require the adoption of the millage rate and budget resolution by separate votes. The process begins with the County Property Appraiser certifying the taxable property values to the Authority by July 1 of each year, which are then used as a basis for determining the millage rate for the upcoming year. The resolutions for the adoption of the tentative millage rate and budget, and the final millage rate and budget, are certified by the Authority to the Florida Department of Revenue. In accordance with TRIM requirements, two public hearings are held. The first or “tentative” hearing is advertised on the “Notice of Budget Hearing” (TRIM Notice). This hearing adopts a proposed millage rate and tentative budget. The second and final TRIM hearing is then advertised in a newspaper of general circulation in Lake County. The final TRIM hearing adopts the final millage rate and the final budget within 15 days of the tentative budget hearing. Both public hearings provide opportunity for the public to speak to the Water Authority Board and ask questions about the tentative and final millage rates and budget for the upcoming year as presented. The final TRIM hearing is held prior to October 1.

There are three phases of the budget process: development of the Proposed Budget, adoption of tentative millage rate, and approval of the Final Budget. Listed below is the FY 2022-2023 Budget Calendar At-A-Glance, which provides the reader with condensed information regarding the specific functions and deadlines in the budgetary process that are defined in order to meet all State and County budgetary adoption requirements.



FY 2022-23 BUDGET CALENDAR AT-A-GLANCE

2022 Tax Roll Calendar

The following are important tax roll dates and deadlines related to the preparation and certification of the 2022 Lake County tax roll. Some dates may be subject to slight change. Contact Rob Brown, Chief Deputy, at rbrown@lcpafl.org with any questions.

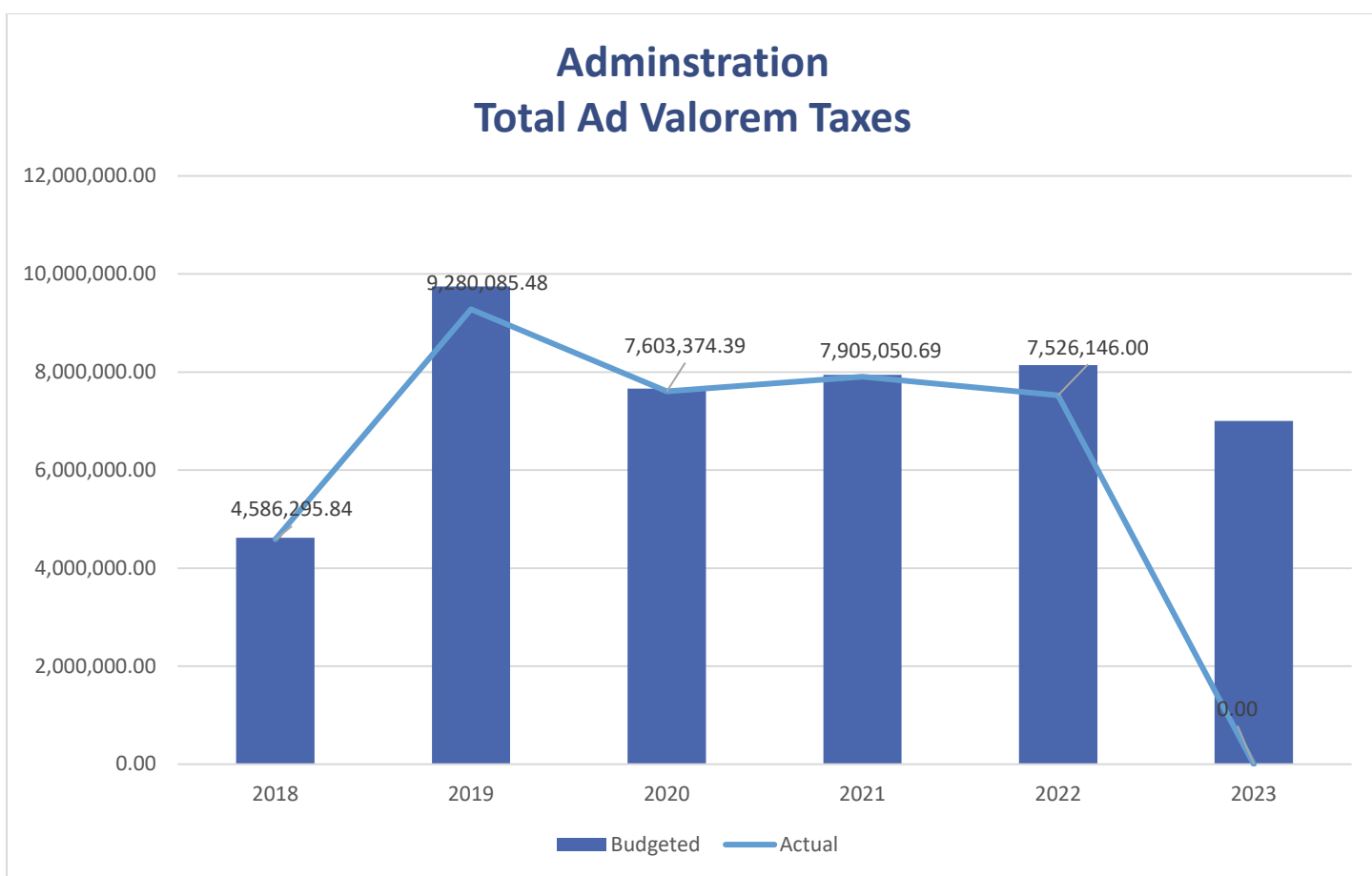
FEB/MARCH		VAB holds final meeting following all 2021 hearings (PA prepares DR-488 and DR-529 for the meeting) LCPA prepares 2021 2 nd Final Tax Roll
MARCH	01	TAXING AUTHORITY LAST DAY to adopt Intent Res. for new non-ad valorem with prior agreed to extension of time.
	01	TAXING AUTHORITY LAST DAY to contract with the PA for use of the TRIM notice for non-ad valorem assessments.
	01	TAXING AUTHORITY LAST DAY to pass Ord/Res changing a CRA base year or new/changed boundary.
	01	TAXING AUTHORITY LAST DAY to adopt Ord/Res for new MSTU or Millage with prior agreed to extension of time.
	01	LCPA to provide NAL test file to taxing authorities utilizing the TRIM for non-ad valorem.
	24-30	LCPA mapping shutdown for preparation of GIS map files to DOR.
	31	LCPA delivers Sales, NAL, and GIS files to DOR. (April 1 statutory deadline)
MAY	06	TAXING AUTHORITY DEADLINE to submit TRIM test data files to Property Appraiser. (non-ad valorem data files)
	13	LCPA Anticipated deadline date to submit TRIM test files to Cathedral (non-ad and ad valorem)
	20	LCPA CUT OFF - all departments. (Complete all work in preparation of Best Estimate Letters)
	31	LCPA delivers Best Estimate Letters to all taxing authorities. (June 1 statutory deadline)
MAY-JUNE		LCPA begins mailing Exemption & AG denials. (Once VAB can accept new petitions. July 1 statutory deadline)
JUNE	01	LCPA CUT OFF - PRELIMINARY Tax Roll. (all fieldwork & mapping split/combo)
	01	LCPA delivers the Uniform Method of Collection non-ad valorem data files to taxing authorities. (June 1 statutory deadline)
	01	TAXING AUTHORITY LAST DAY to submit new annexations to LCPA. (Those received afterward will be added to the 2022 tax roll)
	07	LCPA CUT OFF - PRELIMINARY Tax Roll. (all exemptions. CAMA system shut down for all value & AG changes)
	24-27	LCPA to upload and verify eTRIM data.
	30	LCPA CERTIFY and DELIVER Preliminary Tax Roll to DOR. (July 1 statutory deadline)
	30	LCPA eTRIM Certification of 420's to all taxing authorities. (July 1 statutory deadline)
	30	LCPA LAST DAY to mail remaining agricultural and exemption denials. (July 1 statutory deadline)
JULY	01	Official start of the DOR TRIM calendar. (Day #1)
	01	TAXING AUTHORITY DEADLINE to submit TOTAL ESTIMATED REVENUE to LCPA. (from non-ad valorem TRIM participants)
	07	TAXING AUTHORITY SIGNOFF on test TRIM samples from non-ad valorem participants due to Property Appraiser by 3pm.
	08	LCPA Non-ad Valorem Generic Insert due to Cathedral. LCPA to bill all non-ad valorem TRIM participants.
	19-22	Anticipated date for tax roll approval from DOR.
	25	Anticipated date LCPA system will be up for value changes. (with DOR Change Codes)
	25	SCHOOL BOARD 1 st budget hearing.
AUG	01	VAB FILING DEADLINE for any owner denied Homestead/Agriculture/other exemption. (Owner must file 30 days from the date of the letter. The last day to mail letters is July 1.) (F.S. 196.151, 194.011(3)(2d)(1), 192.047(2))
	01	TAXING AUTHORITY DEADLINE (10am) to submit LIVE Non-Ad Valorem files to Property Appraiser for TRIM.
	01	TAXING AUTHORITY DEADLINE (noon) 420's must be returned to LCPA by all authorities. (No later than Day #35 which is the 4 th)
	01	LCPA DEADLINE for TRIM Changes 5pm. (for all departments; begin preparing the TRIM file for Vendor)
	08	LCPA DELIVERS TRIM file to vendor 10am.
	08	LCPA eTRIM Acceptance of DR-420 series.
	12	TAXING AUTHORITY SIGNOFF on LIVE TRIM SAMPLES from non-ad valorem participants due to Property Appraiser by 3pm.
	16	LCPA MAIL TRIM NOTICES. (Required by Day #55 of TRIM which is August 24 th)
	18	TAX COLLECTOR prepares the tax roll extension letter to BCC Chairman. (per FS 197.323)
SEPT	02	LCPA CUT OFF - MAPPING cutoff of all split/combo.
	09	VAB DEADLINE for property owners to file valuation petitions. (25 Days from the mailing of the TRIM)
	12	SCHOOL BOARD 2 nd budget hearing. (Scheduled date)
	13	VAB PREPARES DR-488P forms for the chairman to sign. (Signed and provide a copy to PA by 30 th)
	13	LCPA CUT OFF - ALL LCPA (noon) for 1 st Final Tax Roll processing. (CAMA system shut down for all value & AG changes)
	13	LAKE COUNTY BCC 1 st (Preliminary) Budget Public Hearing. (Scheduled date)
	14	TAXING AUTHORITY DEADLINE to provide non-ad valorem file to the Tax Collector. (15 th is the statutory deadline)
	27	LAKE COUNTY BCC 2 nd (Final) Budget Public Hearing. (Scheduled date)
	27	LCPA eTRIM Certification of 422's to all taxing authorities.
	30	TAXING AUTHORITY DEADLINE (5pm) to certify 422's back to the PA certifying final millage. (Required within 3 days of delivery)
OCT	05	LCPA CERTIFIES 2022 FINAL TAX ROLL to the Tax Collector.
NOV	01	DEADLINE for tax notices to be mailed by the Tax Collector.
DEC	31	TAXING AUTHORITY LAST DAY to adopt Intent Resolution for any new non-ad valorem assessment; or MARCH 1 if the LCPA, the Tax Collector, and the local gov't agree to an extension. (F.S. 197.363(3)(a))
	31	TAXING AUTHORITY LAST DAY to pass an ordinance establishing any new ad valorem levy (MSTU, DEBT Millage, etc.); or
		MARCH 1, if the LCPA, Tax Collector, and local gov't agree to an extension. (No statutory guidance. This is an LCPA imposed deadline.)

ANALYSIS OF SIGNIFICANT REVENUE SOURCES BY FUND

General Fund

Ad Valorem Taxes

Ad Valorem taxes are budgeted at \$8,951,724 and are collected by the Lake County Tax Collector's office. The majority of the tax collections occur from November through March. Tax bills are mailed in November, becoming due March 31. Collections are calculated by multiplying the Authority's adopted millage rate for every \$1,000 of taxable property value. The Authority's millage rate is adopted by Board each budget year, with the established rate predicated upon desired revenue generated (within statutory limitations) based on the gross taxable value of real and personal property as certified by the Lake County Property Appraiser. The millage rate is requested to be reduced from 0.3229 mills to 0.3229 mills in the FY 2022 Adopted Budget. The Board is requested to utilize increases in property values to offset projected increases in expenditures.



	2018	2019	2020	2021	2022 YTD	2023
Budgeted	4,618,740.00	9,748,085.00	7,661,129.00	7,942,329.00	8,142,286.00	7,000,000.00
Actual	4,586,295.84	9,280,085.48	7,603,374.39	7,905,050.69	7,526,146.00	0.00

FINANCIAL POLICY

This section describes the financial policy that affect the Water Authority's long term financial planning and budgeting processes. The Authority's financial policy serves to match fluctuating spending needs with available resources. The annual budget is prepared as a balanced budget, with total revenues and other financing sources equaling totalexpenditures/expenses and other financing uses for each fund. Any shortfalls of current revenue sources matched against anticipated expenditures are supplemented with a reduction in existing Fund Balance.

Operating Budget

To adequately safeguard the assets held in public trust, the Authority will develop and maintain accounting and budgetary control systems.

The Authority will provide for adequate maintenance of capital, plant and equipment and for their orderly replacement.

The Authority will balance its budget year so that each fund's anticipated revenues equal the anticipated expenditures. Utilization of existing Fund Balance as a revenue source to meet current needs will be monitored.

The Authority will monitor budget to actual activity to ensure compliance with budgetary policy.

The Authority will annually prepare a Five-Year Forecast for the General Fund. The forecast will include estimated operating costs, revenues, and future capital improvements.

Revenue Budget

The Authority shall estimate its annual revenues as part of the budgetary process through a conservative, objective and analytical process.

Capital Improvement

The Authority will develop multi-year business plans every three to five years for capital improvements. These plans will be updated as necessary and used for future annual and five-year capital budgets.

In the development of Capital Improvement Projects, the Authority will review the operational impact of each project.

Capital Asset

The Authority will capitalize all property and equipment with a cost of \$5,000 or more with an estimated useful life of over one year. Short-lived assets which do not meet the capital asset threshold will be budgeted as operational materials and supplies.

Capital assets will be depreciated utilizing a straight-line method of depreciation.



Lake County
WATER AUTHORITY

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REVENUE AND EXPENDITURE/EXPENSE SUMMARIES



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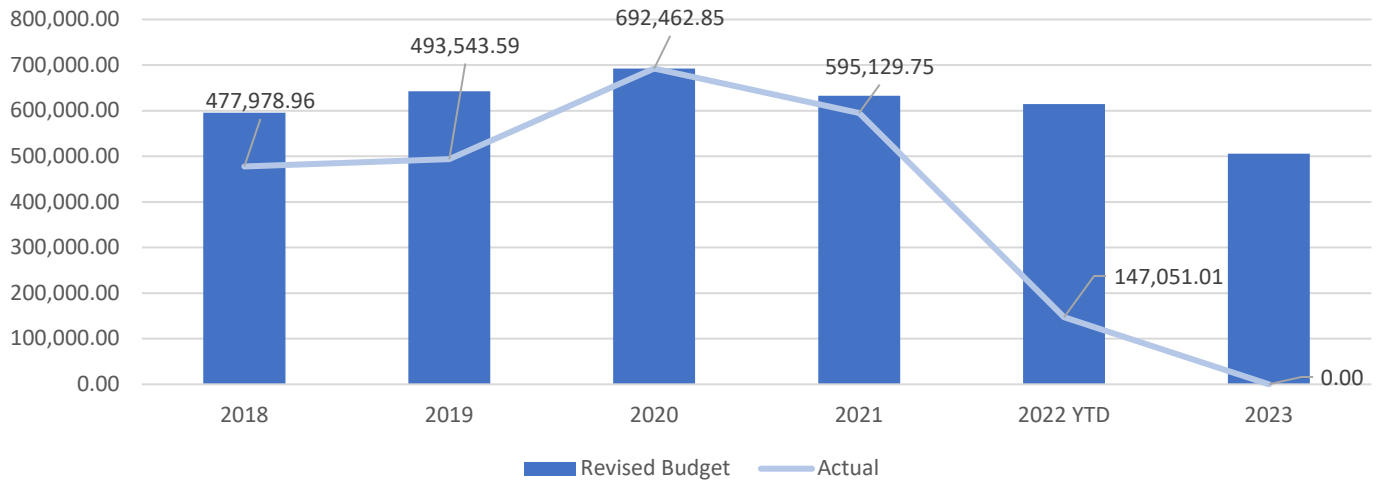


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ADMINISTRATION

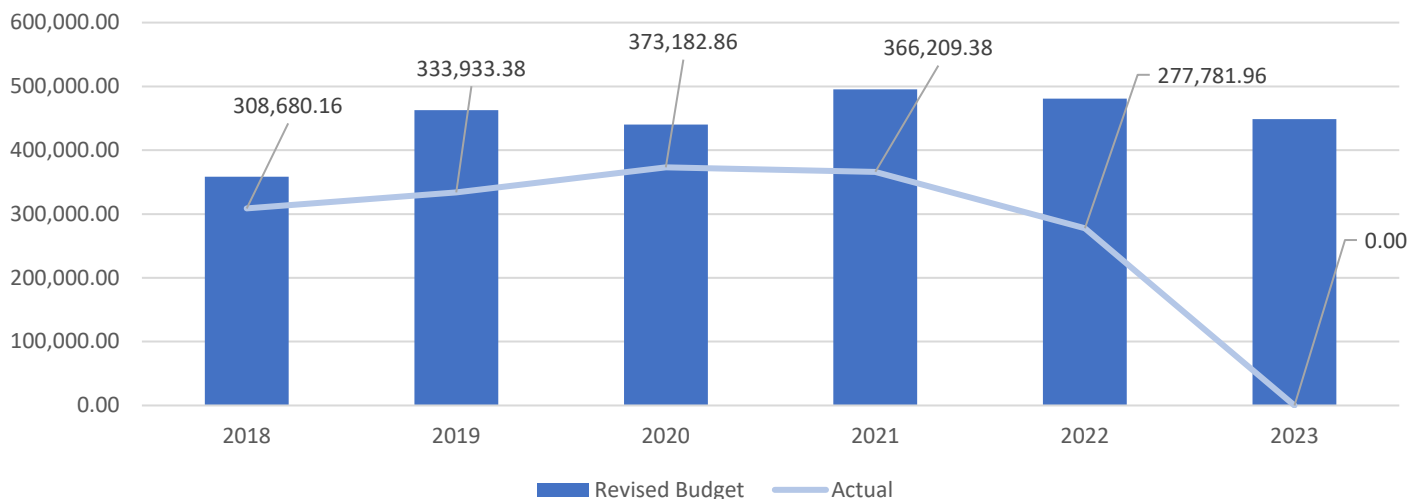
BUDGET SUMMARY

Administration Total Personnel Services



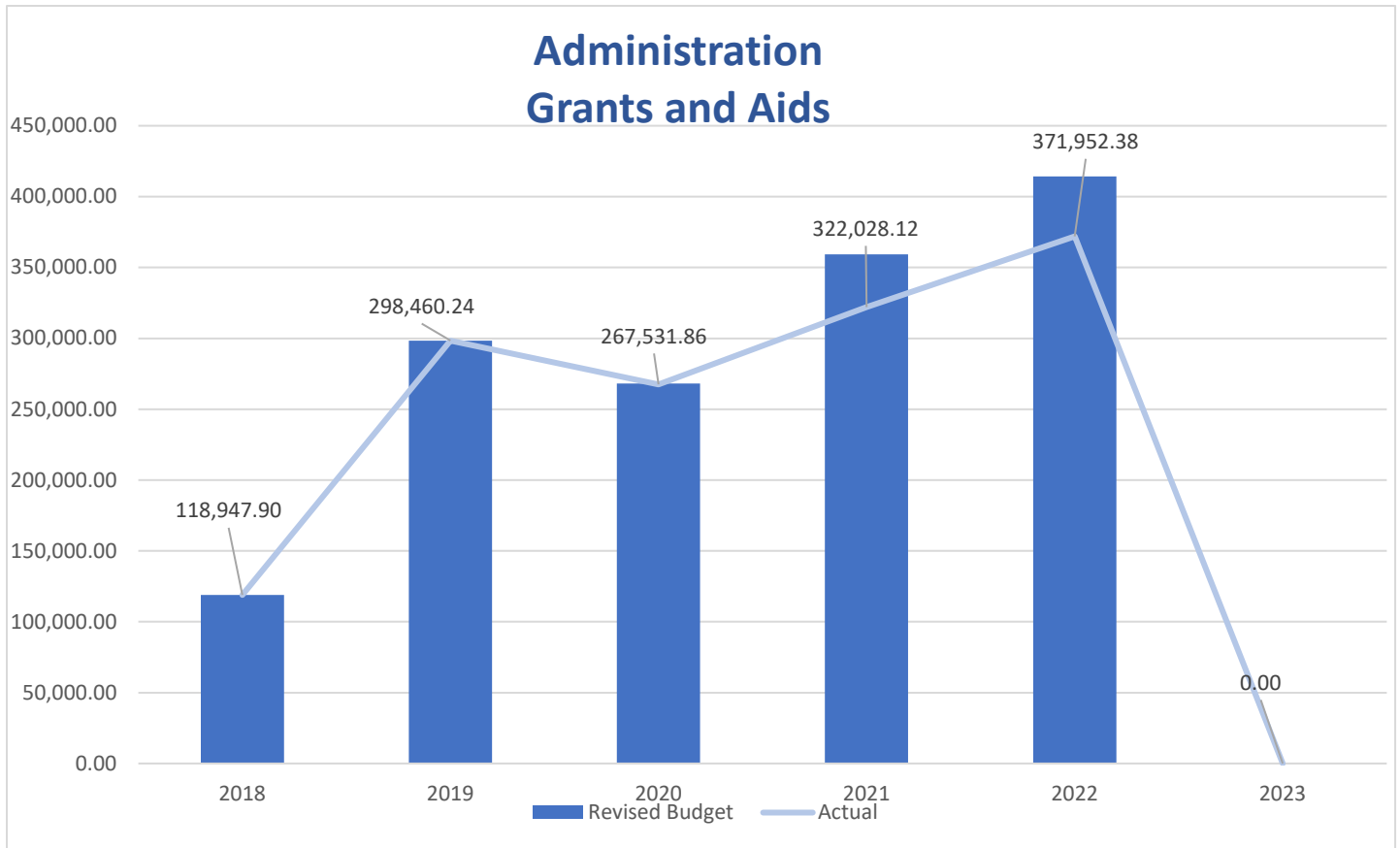
	2018	2019	2020	2021	2022 YTD	2023
Original Budget	595,279.00	642,504.00	682,040.00	609,625.00	614,773.00	505,750.00
Revised Budget	595,279.00	642,504.00	692,040.00	632,625.00	614,773.00	505,750.00
Actual	477,978.96	493,543.59	692,462.85	595,129.75	147,051.01	0.00

Administration Total Operating Expenditures



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	299,348.00	462,639.00	440,025.00	415,410.00	480,820.00	448,775.00
Revised Budget	358,712.00	462,639.00	440,025.00	495,430.00	480,820.00	448,775.00
Actual	308,680.16	333,933.38	373,182.86	366,209.38	277,781.96	0.00

BUDGET SUMMARY



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	118,312.00	151,442.00	268,056.00	359,371.00	414,304.00	0.00
Revised Budget	118,948.00	298,462.00	268,056.00	359,371.00	414,304.00	0.00
Actual	118,947.90	298,460.24	267,531.86	322,028.12	371,952.38	0.00





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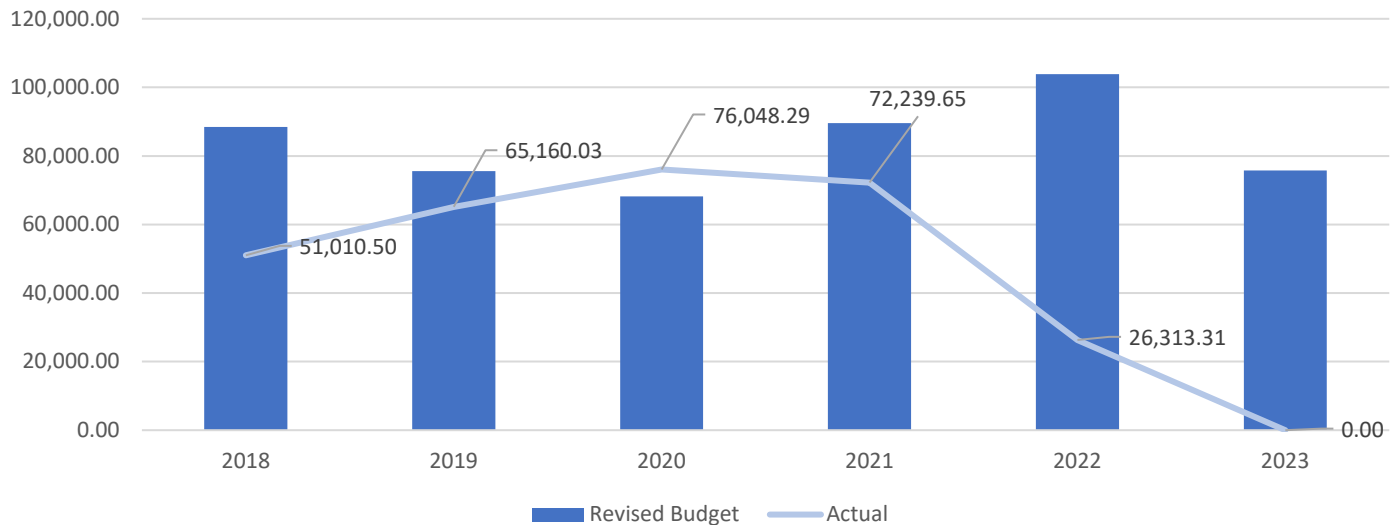


Lake County
WATER AUTHORITY

INFORMATION TECHNOLOGY

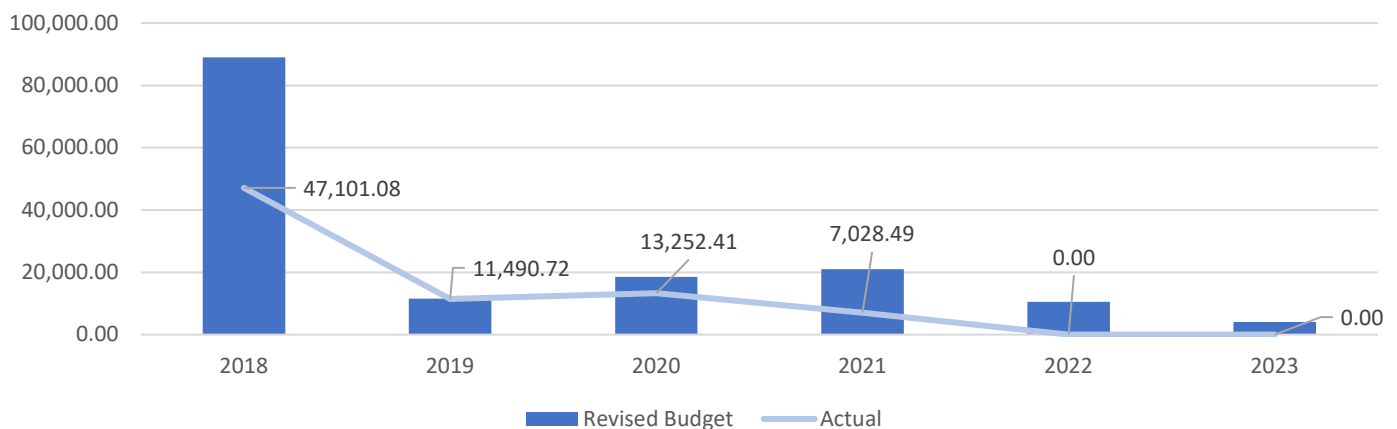
BUDGET SUMMARY

Information Technology Operating Expenditures



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	88,425.00	72,075.00	68,225.00	83,875.00	103,875.00	75,750.00
Revised Budget	88,425.00	75,575.00	68,225.00	89,575.00	103,875.00	75,750.00
Actual	51,010.50	65,160.03	76,048.29	72,239.65	26,313.31	0.00

Information Technology Capital Outlay



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	89,000.00	15,000.00	18,500.00	21,000.00	10,500.00	4,000.00
Revised Budget	89,000.00	11,500.00	18,500.00	21,000.00	10,500.00	4,000.00
Actual	47,101.08	11,490.72	13,252.41	7,028.49	0.00	0.00

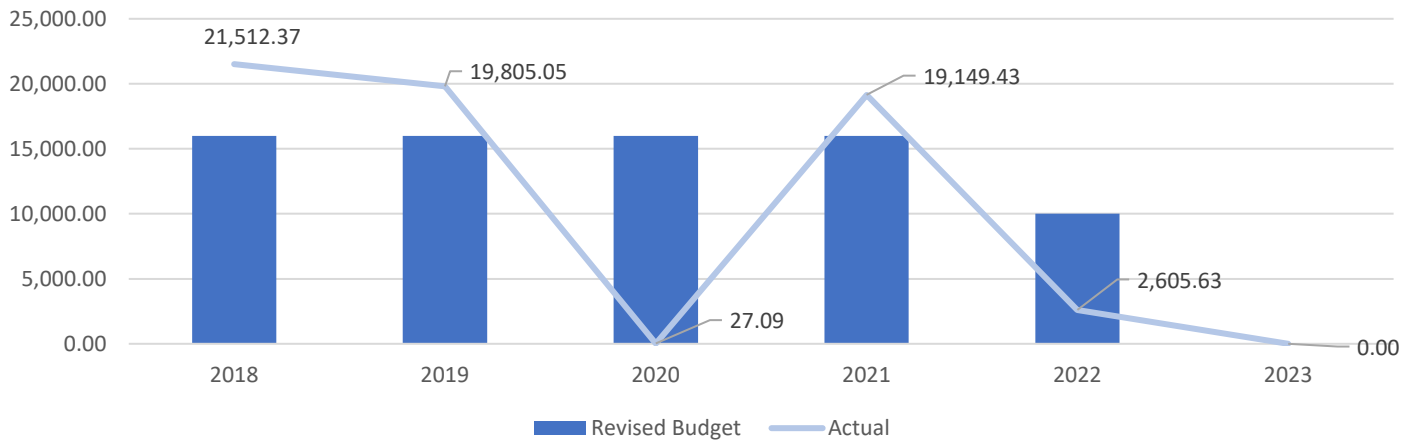


Lake County
WATER AUTHORITY

HICKORY POINT

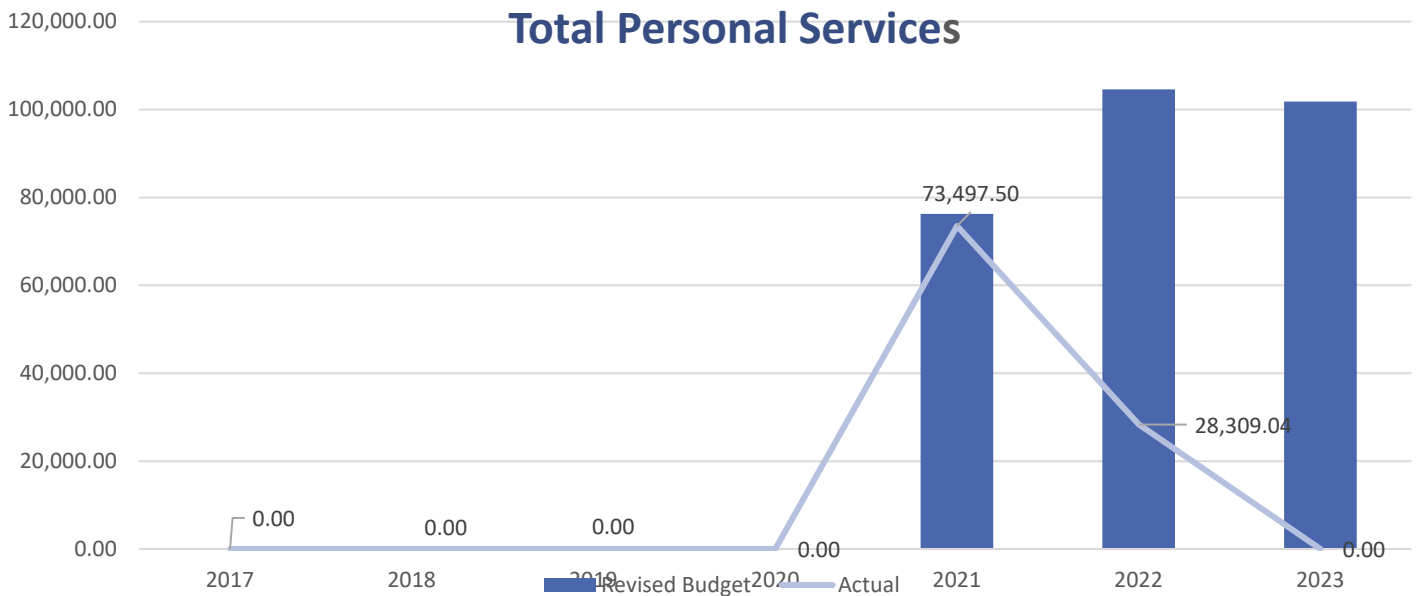
BUDGET SUMMARY

Hickory Point Total Charges for Services



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	16,000.00	16,000.00	16,000.00	16,000.00	10,000.00	10,000.00
Revised Budget	16,000.00	16,000.00	16,000.00	16,000.00	10,000.00	10,000.00
Actual	21,512.37	19,805.05	27.09	19,149.43	2,605.63	0.00

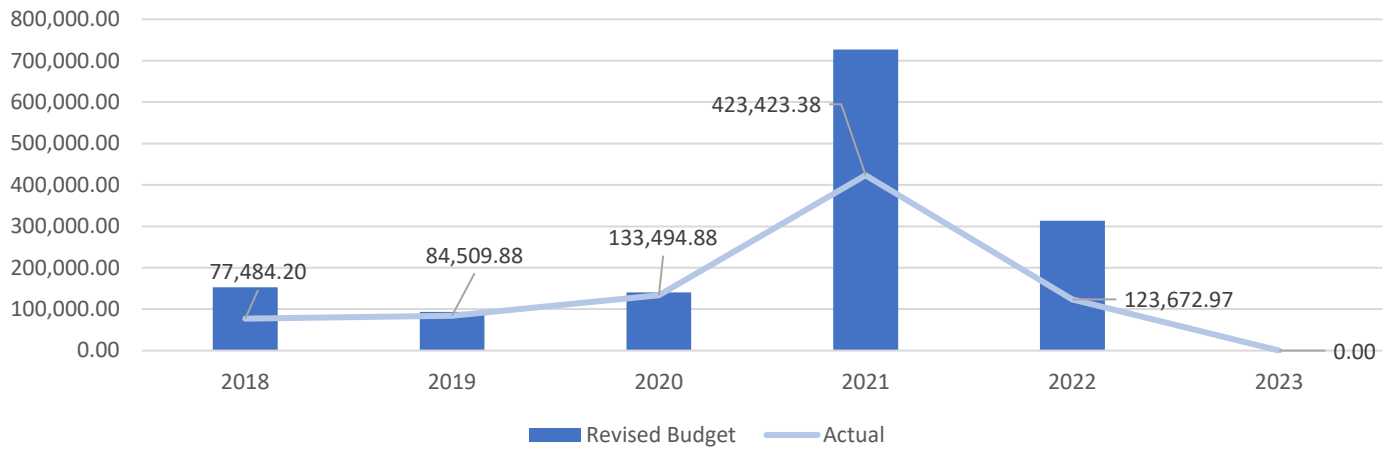
Hickory Point Total Personal Services



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	0.00	0.00	0.00	90,257.00	104,611.00	134,204.00
Revised Budget	0.00	0.00	0.00	76,267.00	104,611.00	134,204.00
Actual	0.00	0.00	0.00	73,497.50	28,309.04	0.00

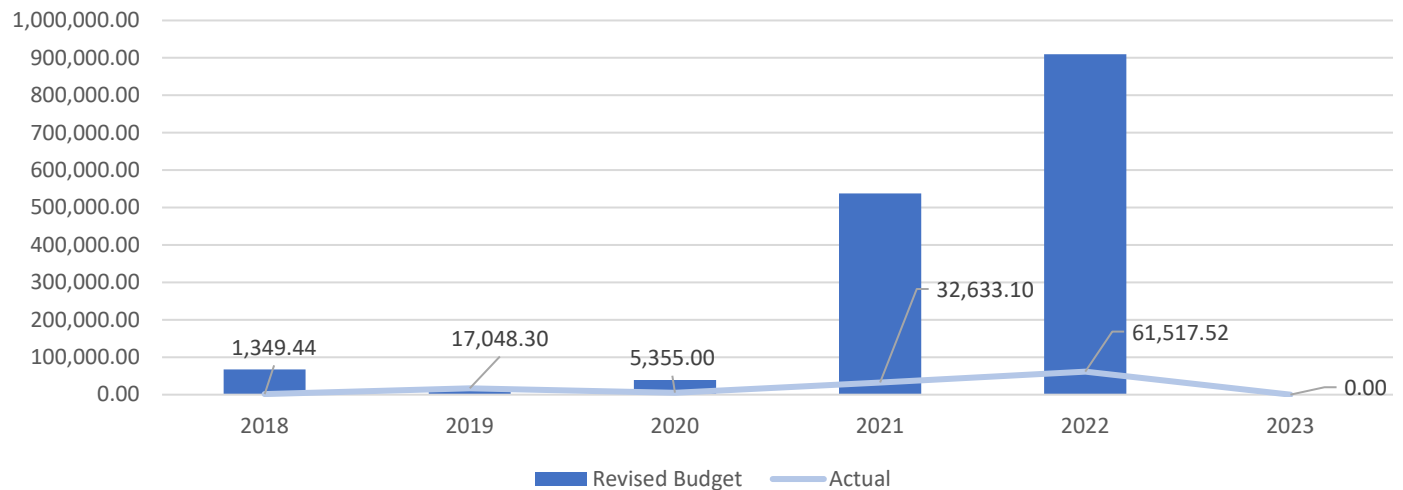
BUDGET SUMMARY

Hickory Point Total Operating Expenditures



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	152,600.00	97,600.00	97,350.00	670,590.00	313,840.00	427,180.00
Revised Budget	152,600.00	93,450.00	140,900.00	727,290.00	313,840.00	427,180.00
Actual	77,484.20	84,509.88	133,494.88	423,423.38	123,672.97	0.00

Hickory Point Total Capital Outlay



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	67,200.00	0.00	0.00	587,000.00	910,000.00	965,000.00
Revised Budget	67,200.00	17,050.00	39,450.00	538,000.00	910,000.00	965,000.00
Actual	1,349.44	17,048.30	5,355.00	32,633.10	61,517.52	0.00



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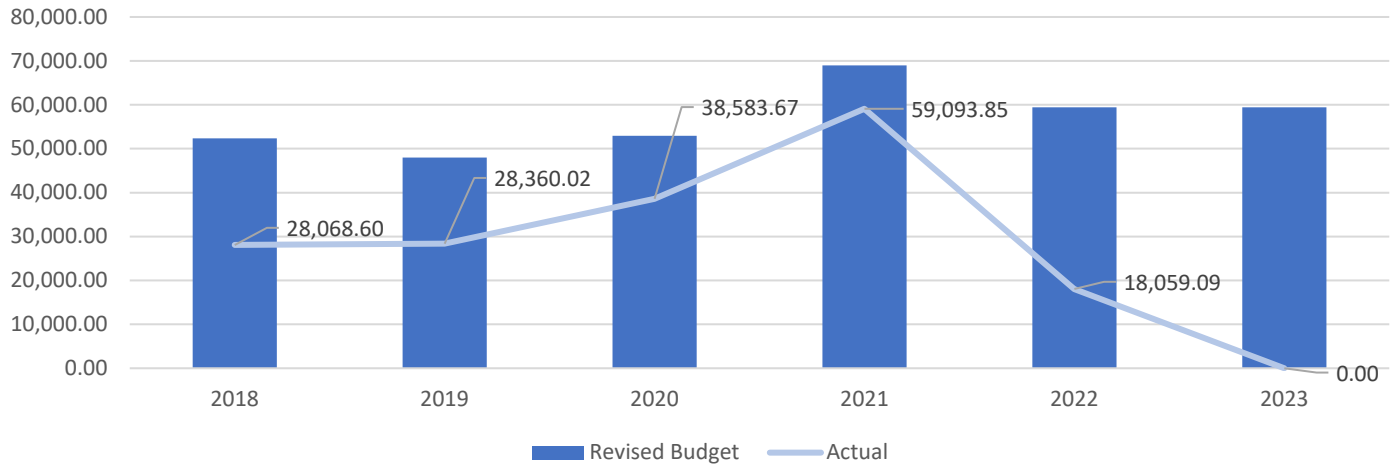


Lake County
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EDUCATION

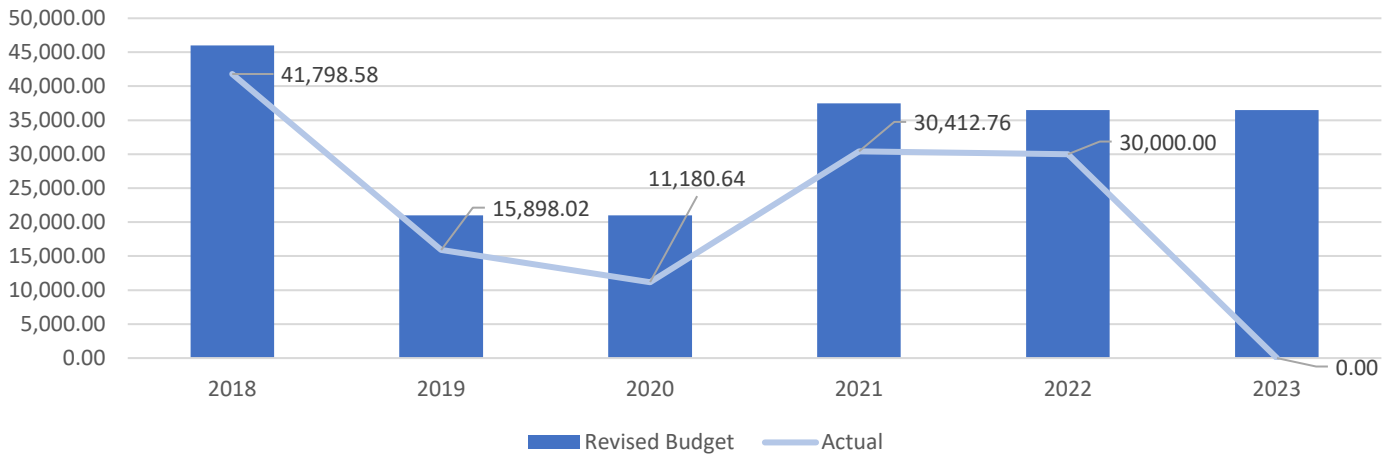
BUDGET SUMMARY

Education Total Operating Expenditures



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	52,371.00	47,971.00	52,971.00	68,942.00	59,442.00	59,442.00
Revised Budget	52,371.00	47,971.00	52,971.00	68,942.00	59,442.00	59,442.00
Actual	28,068.60	28,360.02	38,583.67	59,093.85	18,059.09	0.00

Education Total Grants and Aids



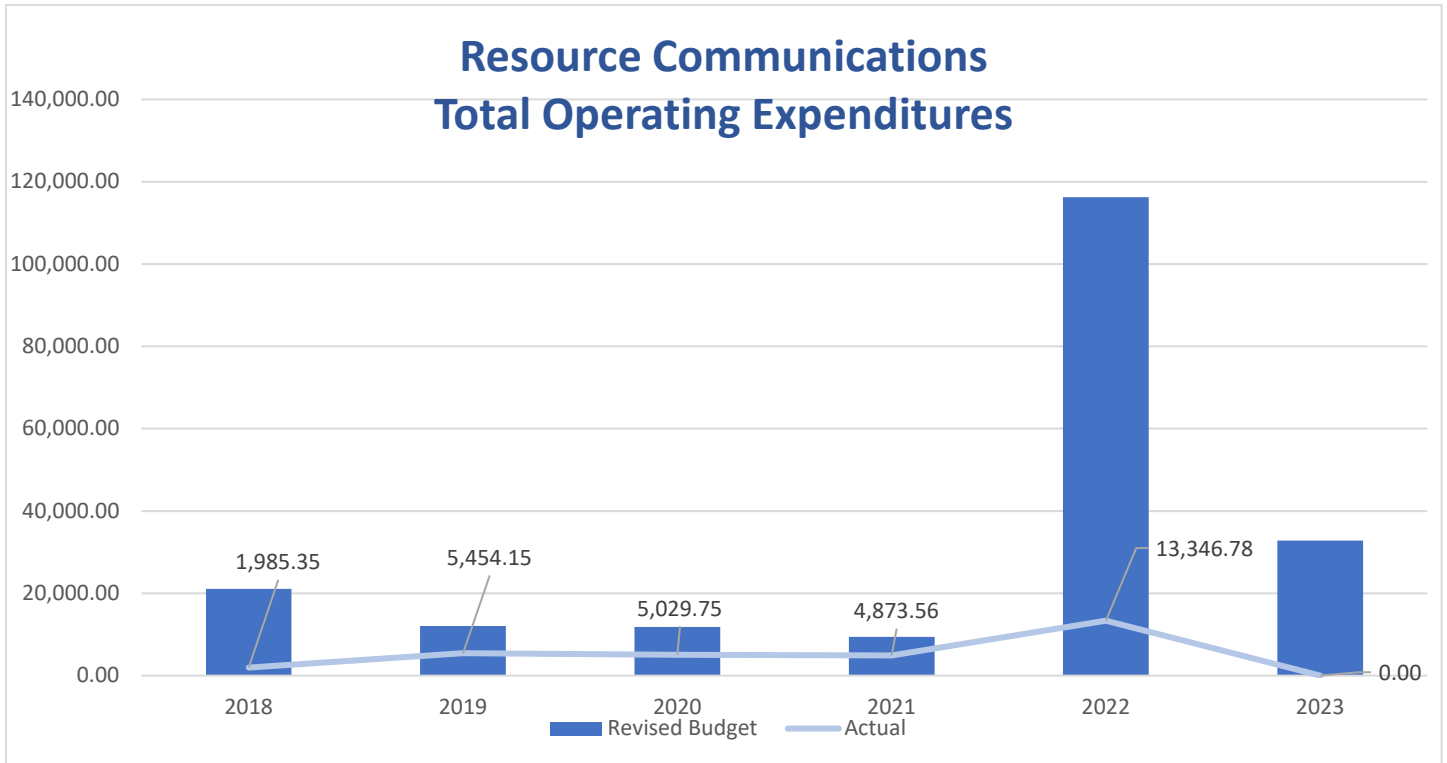
	2018	2019	2020	2021	2022 YTD	2023
Original Budget	46,000.00	21,000.00	21,000.00	37,500.00	36,500.00	36,500.00
Revised Budget	46,000.00	21,000.00	21,000.00	37,500.00	36,500.00	36,500.00
Actual	41,798.58	15,898.02	11,180.64	30,412.76	30,000.00	0.00



Lake County
WATER AUTHORITY

RESOURCE COMMUNICATIONS

BUDGET SUMMARY



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	21,075.00	12,075.00	11,800.00	9,400.00	116,250.00	32,850.00
Revised Budget	21,075.00	12,075.00	11,800.00	9,400.00	116,250.00	32,850.00
Actual	1,985.35	5,454.15	5,029.75	4,873.56	13,346.78	0.00



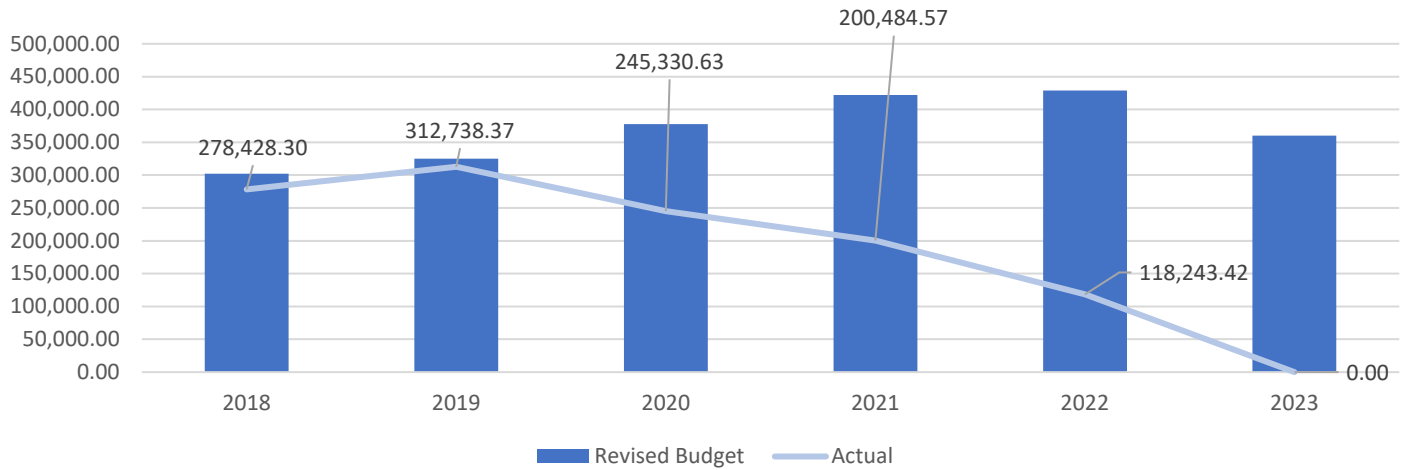


Lake County
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WATER RESOURCES

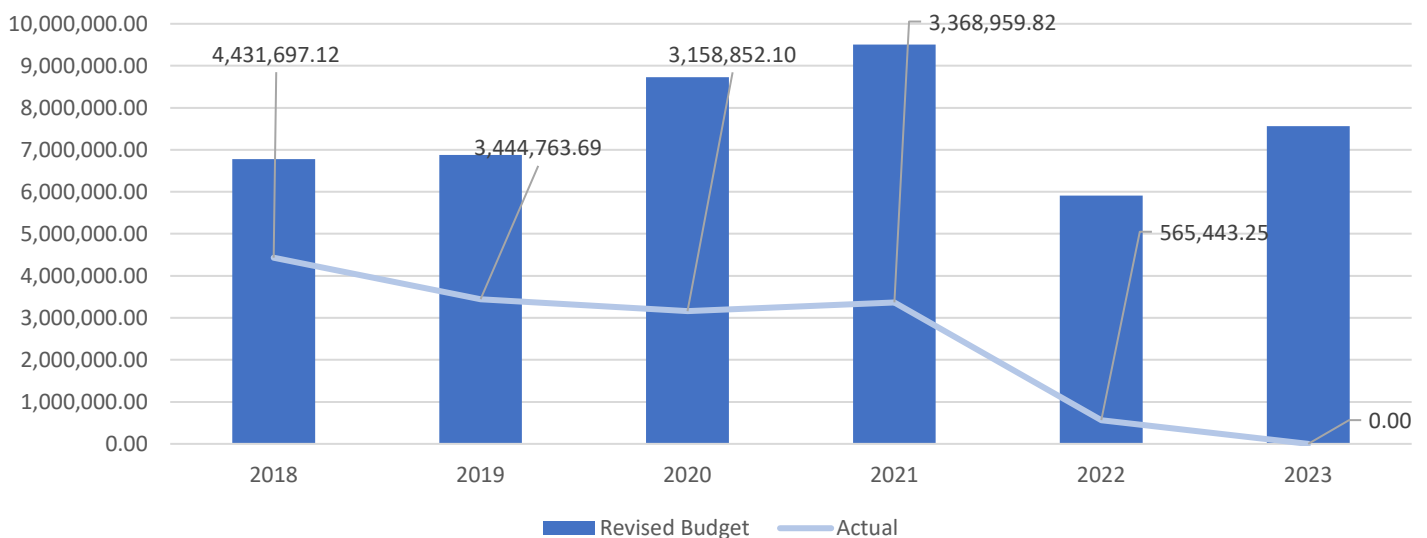
BUDGET SUMMARY

Water Resources Total Personal Services



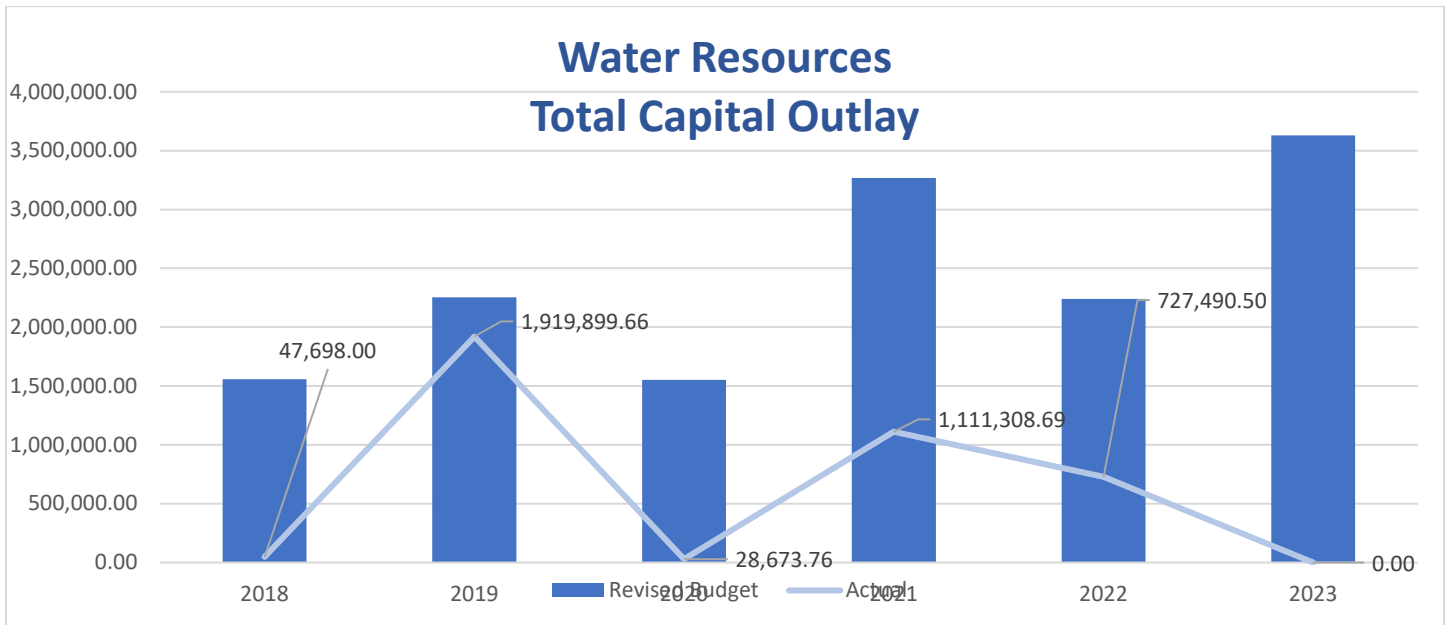
	2018	2019	2020	2021	2022 YTD	2023
Original Budget	292,674.00	301,107.00	377,723.00	422,204.00	429,016.00	147,935.00
Revised Budget	302,174.00	325,107.00	377,723.00	422,204.00	429,016.00	147,935.00
Actual	278,428.30	312,738.37	245,330.63	200,484.57	118,243.42	0.00

Water Resources Total Operating Expenditures

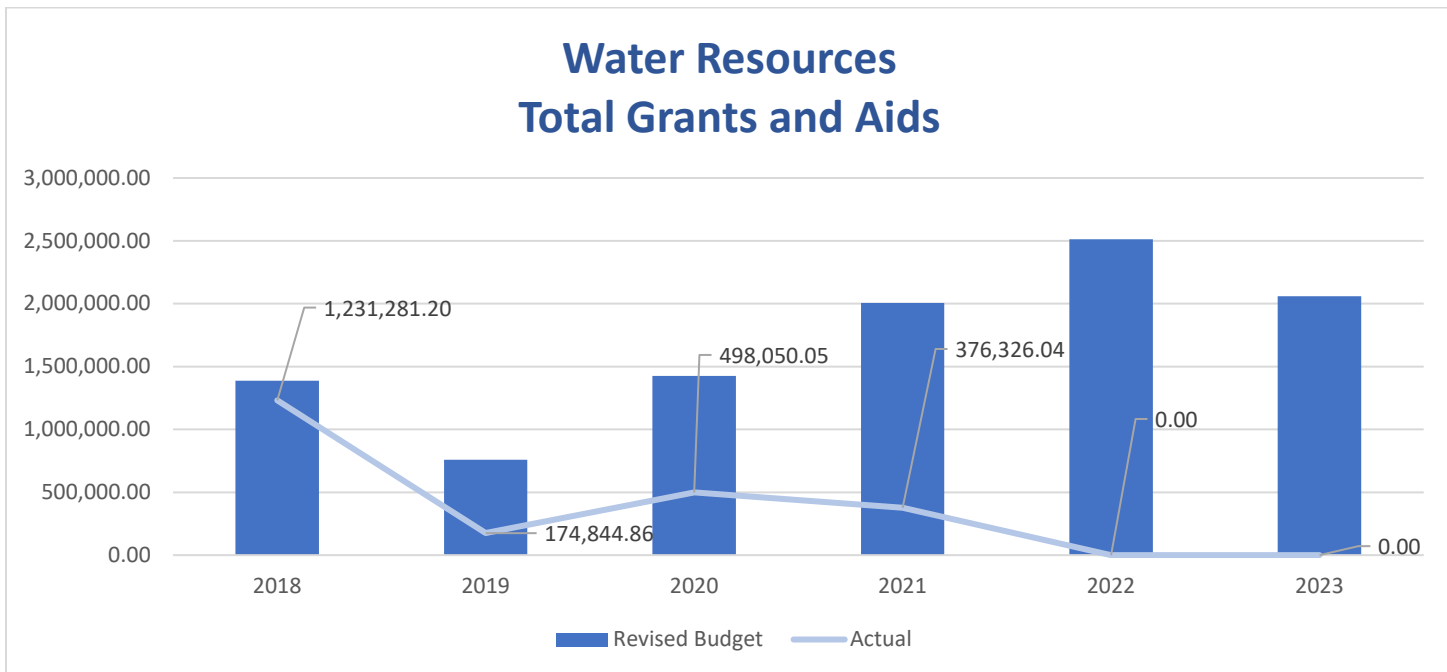


	2018	2019	2020	2021	2022 YTD	2023
Original Budget	6,299,712.00	5,722,711.00	8,891,058.00	8,679,977.00	5,910,778.00	7,560,455.00
Revised Budget	6,777,562.00	6,875,275.00	8,727,353.00	9,505,123.00	5,910,778.00	7,560,455.00
Actual	4,431,697.12	3,444,763.69	3,158,852.10	3,368,959.82	565,443.25	0.00

BUDGET SUMMARY



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	1,607,362.00	2,097,362.00	1,482,371.00	4,562,000.00	2,241,000.00	3,630,000.00
Revised Budget	1,557,879.00	2,253,878.00	1,553,076.00	3,267,875.00	2,241,000.00	3,630,000.00
Actual	47,698.00	1,919,899.66	28,673.76	1,111,308.69	727,490.50	0.00



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	1,334,851.00	2,260,000.00	1,424,497.00	1,729,738.00	2,512,913.00	2,059,413.00
Revised Budget	1,386,484.00	760,000.00	1,424,497.00	2,005,438.00	2,512,913.00	2,059,413.00
Actual	1,231,281.20	174,844.86	498,050.05	376,326.04	0.00	0.00



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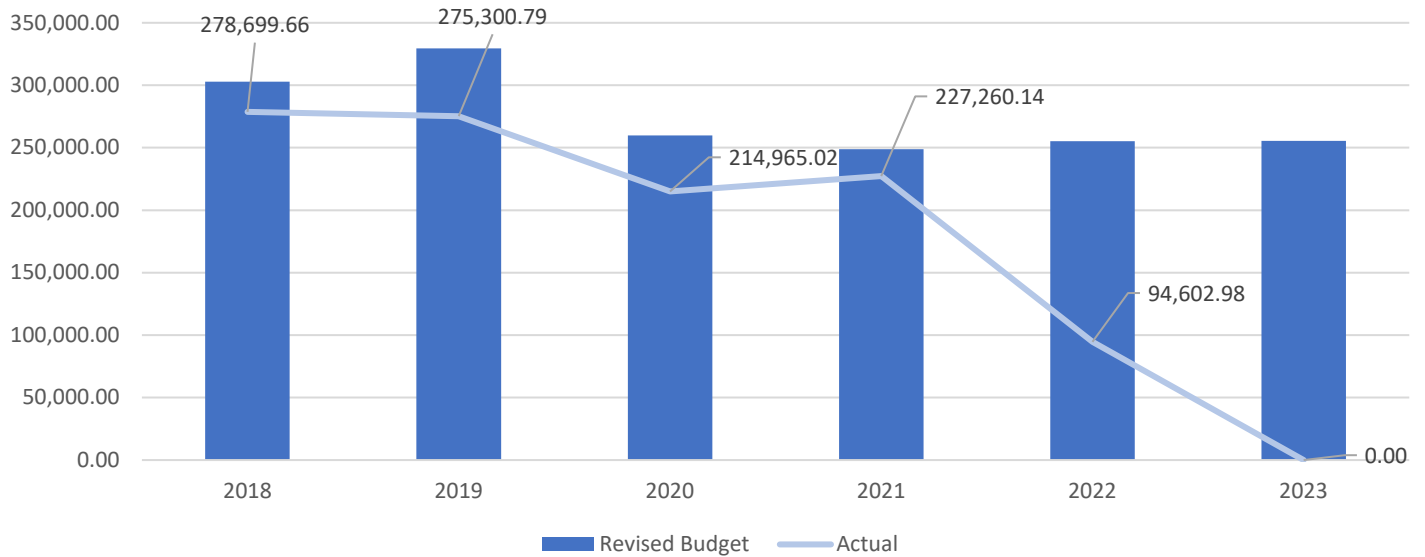


Lake County
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NATURAL RESOURCES

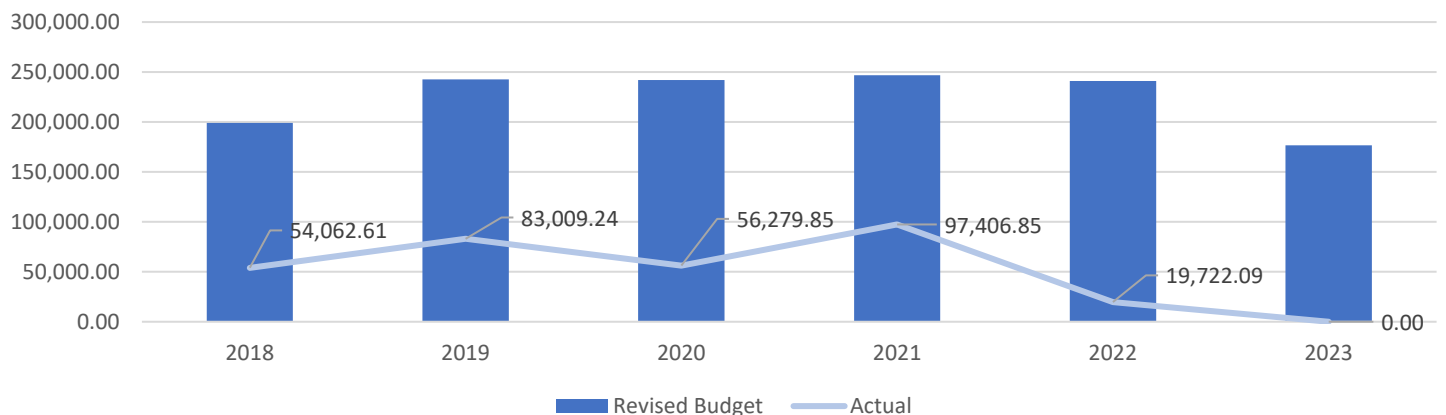
BUDGET SUMMARY

Land Management Total Personal Services



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	302,877.00	329,525.00	259,954.00	248,947.00	255,112.00	328,950.00
Revised Budget	302,877.00	329,525.00	259,954.00	248,947.00	255,112.00	328,950.00
Actual	278,699.66	275,300.79	214,965.02	227,260.14	94,602.98	0.00

Land Management Total Operating Expenditures



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	199,125.00	144,025.00	242,125.00	246,675.00	241,075.00	176,575.00
Revised Budget	199,125.00	242,525.00	242,125.00	246,675.00	241,075.00	176,575.00
Actual	54,062.61	83,009.24	56,279.85	97,406.85	19,722.09	0.00

BUDGET SUMMARY



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	592,500.00	368,000.00	99,000.00	144,200.00	100,700.00	84,500.00
Revised Budget	532,500.00	43,000.00	99,000.00	144,200.00	100,700.00	84,500.00
Actual	1,255.00	2,150.00	0.00	10,734.95	10,163.00	0.00





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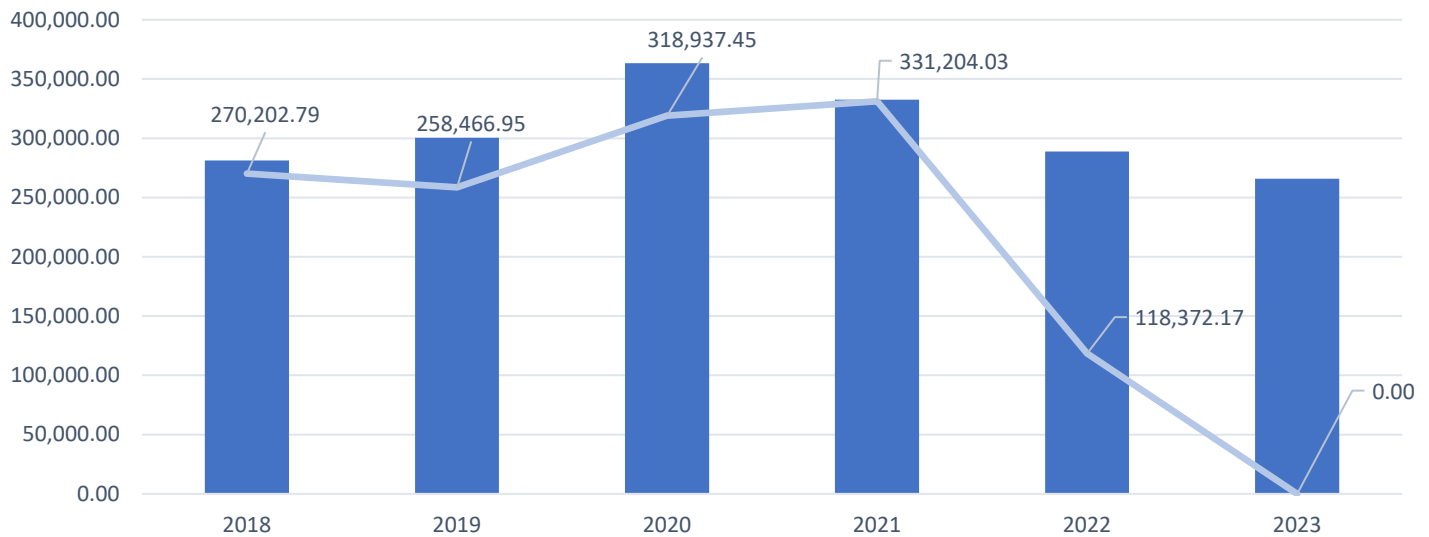


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FIELD SERVICES

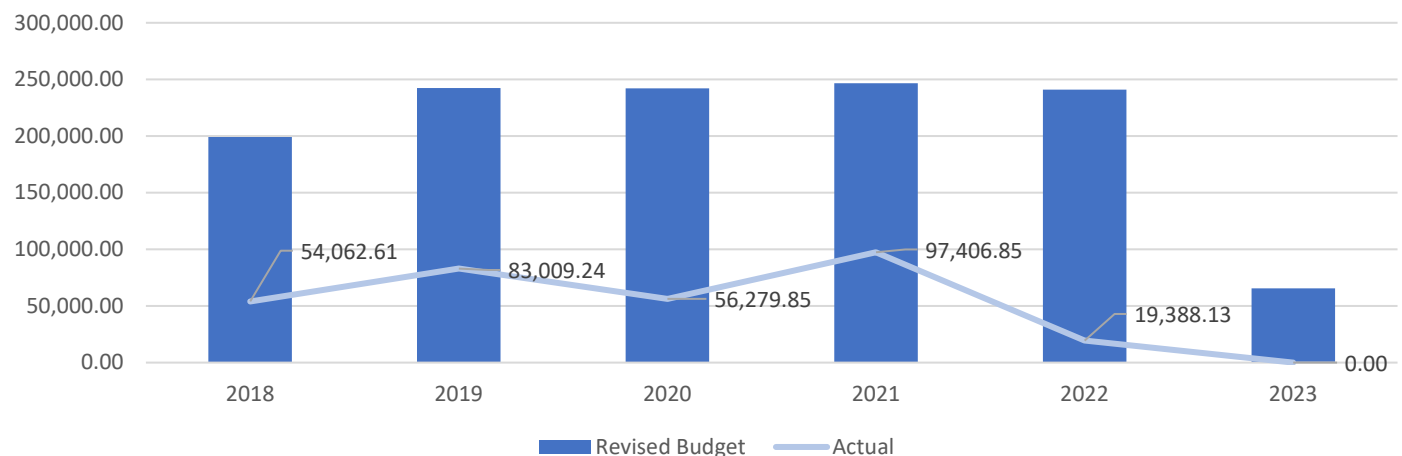
BUDGET SUMMARY

Field Services Total Personal Services



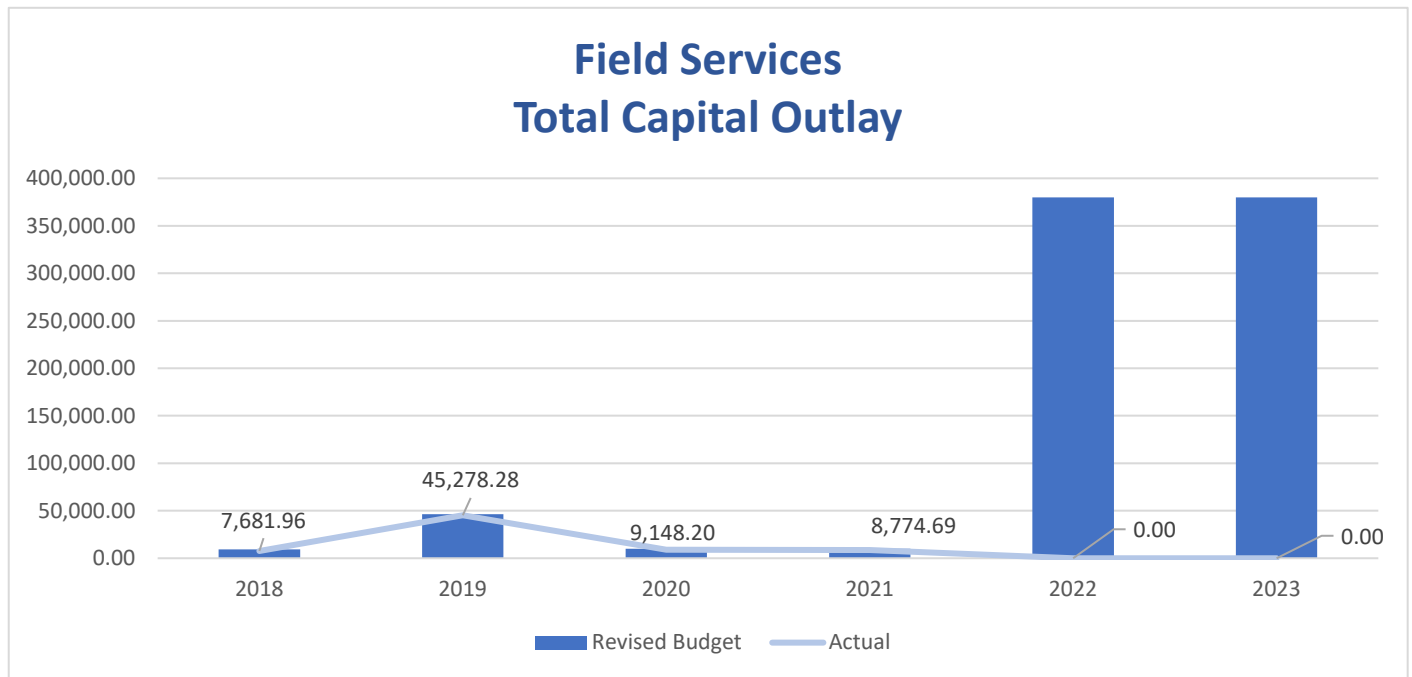
	2018	2019	2020	2021	2022 YTD	2023
Original Budget	266,901.00	300,444.00	363,366.00	287,271.00	288,804.00	348,310.00
Revised Budget	281,401.00	300,444.00	363,366.00	332,661.00	288,804.00	348,310.00
Actual	270,202.79	258,466.95	318,937.45	331,204.03	118,372.17	0.00

Field Services Total Operating Expenditures



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	199,125.00	144,025.00	242,125.00	246,675.00	241,075.00	65,600.00
Revised Budget	199,125.00	242,525.00	242,125.00	246,675.00	241,075.00	65,600.00
Actual	54,062.61	83,009.24	56,279.85	97,406.85	19,388.13	0.00

BUDGET SUMMARY



	2018	2019	2020	2021	2022 YTD	2023
Original Budget	9,500.00	13,000.00	10,000.00	10,000.00	380,000.00	380,000.00
Revised Budget	9,500.00	46,400.00	10,000.00	10,000.00	380,000.00	380,000.00
Actual	7,681.96	45,278.28	9,148.20	8,774.69	0.00	0.00



ALL DEPARTMENTS PERSONNEL

DEPARTMENT/DIVISION	FY 2021 FULL-TIME	FY 2021 PART-TIME	FY 2021 FTE
ADMINISTRATION DEPARTMENT	4	0	4
HICKORY POINT	2	0	2
WATER RESOURCES DEPARTMENT	4	0	4
NATURAL RESOURCES DEPARTMENT	4	0	4
FIELD RESOURCES DEPARTMENT	4	0	4
TOTAL PERSONNEL	18	0	18





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REVENUE AND EXPENDITURE DETAIL



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ADMINISTRATION



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Acct.	Description	Proposed FY 21-22	Proposed FY 22-23	Difference	Percentage Change
100	FINANCIAL AND ADMINISTRATION				
	Financial & Administrative - Personnel				
100-110	Executive Salaries	145,400	135,000	(10,400)	-7.15%
100-111	Final LV Payout - Executive Salaries	63,690	-	(63,690)	-100.00%
100-120	Regular Salaries	238,314	245,400	7,086	2.97%
100-123	Final LV Payout - Regular Salaries	30,000	20,000	(10,000)	-33.33%
100-140	Overtime	500	500	-	0.00%
100-160	Special Boards	3,500	1,750	(1,750)	-50.00%
100-210	Social Security Matching	26,788	12,800	(13,988)	-52.22%
100-220	Retirement Contributions (Rate - Sr. 28% and Reg. 10%)	58,698	41,800	(16,898)	-28.79%
100-230	Life & Health Insurance 5 x \$8,500	42,500	42,500	-	0.00%
100-240	Workers' Comp Insurance + \$2,500 Deductible	2,883	3,500	617	21.40%
100-250	Unemployment	2,500	2,500	-	0.00%
	SUB TOTAL Finance and Administration - Personnel:	614,773	505,750	(109,023)	-17.73%
	Financial & Administrative - Operating Exp.				
100-310	Professional Services (legal, arch., eng. survey.)				
	General Legal Services	60,000	50,000	(10,000)	-16.67%
	Outside Human Resources Firm	10,000	-	(10,000)	-100.00%
	SUB TOTAL:	70,000	50,000	(20,000)	-28.57%
100-320	Accounting & Audit Fees				
	Audit contract	14,500	15,000	500	3.45%
	SUB TOTAL:	14,500	15,000	500	3.45%
100-340	Contractual Services				
	Misc. (document shredding, consultant, etc.)	1,000	1,000	-	0.00%
	Janitorial svc. = 12 x \$400	4,800	5,200	400	8.33%
	Agency Uniform Service (CINTAS)	3,200	3,500	300	9.38%
	SUB TOTAL:	9,000	9,700	700	7.78%
100-364	Commissions - Property Appraiser				
	Per Carey Baker 5/28/2021	80,000	80,000	-	0.00%
	SUB TOTAL:	80,000	80,000	-	0.00%
100-365	Commissions - Tax Collector (plus prop. taxes)				
	Commissions	170,000	170,000	-	0.00%
	SUB TOTAL:	170,000	170,000	-	0.00%
100-400	Travel & Per Diem				
	Records Retention				
	Class	300	250	(50)	-16.67%
	FGFOA	800	-	(800)	-100.00%
	AWRA	250	-	(250)	-100.00%
	FLMS	1,000	-	(1,000)	-100.00%
	Sun Pass	100	300	200	200.00%
100-400	4 Admin + Board members	500	500	-	0.00%
	SUB TOTAL:	2,950	1,050	(1,900)	-64.41%
100-420	Freight & Postage				
	Postage	800	800	-	0.00%
	Express Mail	200	200	-	0.00%
	SUB TOTAL:	1,000	1,000	-	0.00%
100-430	Utility Services (electric & water) Incl. new bldgs.				
	Office Tavares - Water, Sewer	4,000	4,500	500	12.50%
	Office Sumter Electric	14,500	15,500	1,000	6.90%
	SUB TOTAL:	18,500	20,000	1,500	8.11%
100-450	Insurance				
	Liability, Auto, Property (4 bldgs.) + 10,000 Deductible	63,500	69,850	6,350	10.00%
	SUB TOTAL:	63,500	69,850	6,350	10.00%
100-460	Repair & Maint. (ofc. veh., bldg. maint., A/C, and roads)				
	Copy Machine Maintenance, includes toner	3,200	3,500	300	9.38%
	Office Building Painting	10,000	-	(10,000)	-100.00%
	Carpet Cleaning	1,000	1,000	-	0.00%
	Pest Control	425	525	100	23.53%
	Generator Annual Maintenance Program	1,600	-	(1,600)	-100.00%
	A/C repairs, filters, maintenance	5,200	5,200	-	0.00%
	SUB TOTAL:	21,425	10,225	(11,200)	-52.28%
100-470	Printing & Binding				
	Stationery	1,500	500	(1,000)	-66.67%
	SUB TOTAL:	1,500	500	(1,000)	-66.67%
100-490	Other Current Charges & Obligations				
	De Minimus Benefits	2,000	2,000	-	0.00%
	Legal ads, budget ads, employment and classifieds	4,000	3,500	(500)	-12.50%
	Board Snacks (\$50X14), Lunch (20X\$9X1)	1,100	1,100	-	0.00%
	Unanticipated Expenditures	1,500	2,000	500	33.33%
	MUNIS software signature key	650	650	-	0.00%
	Bank Fees	1,000	1,500	500	50.00%
	SUB TOTAL:	10,250	10,750	500	4.88%
100-510	Office Supplies				
	Office Supplies	1,500	1,500	-	0.00%

	Copy Paper	1,000	1,000	-	0.00%
	Toner	1,000	1,000	-	0.00%
	Name tags, desk plates, key tags, etc.	250	250	-	0.00%
	SUB TOTAL:	3,750	3,750	-	0.00%
100-520	Operating Supplies				
	Janitorial supplies	900	800	(100)	-11.11%
	Water Cooler Water	1,000	1,000	-	0.00%
	Misc. award items, plaques, pictures, etc.	100	200	100	100.00%
	Misc. & unanticipated	500	700	200	40.00%
	New LCWA shirts for admin staff & Board	500	500	-	0.00%
	SUB TOTAL:	3,000	3,200	200	6.67%
100-540	Education, Publications and Dues				
	North American Lake Management Society	440	-	(440)	-100.00%
	Florida Lake Management Society	360	-	(360)	-100.00%
	South Lake Chamber of Commerce	200	-	(200)	-100.00%
	Tavares Chamber of Commerce	140	-	(140)	-100.00%
	Special District Fees	300	-	(300)	-100.00%
	Daily Commercial	400	300	(100)	-25.00%
	Orlando Sentinel	500	500	-	0.00%
	Books	100	-	(100)	-100.00%
	CPA License, Toastmasters. Notary Fees	250	-	(250)	-100.00%
	FGOA and CFGOA	55	-	(55)	-100.00%
	Board Member Dues Leadership Lake County	2,200	-	(2,200)	-100.00%
	Misc.	200	200	-	0.00%
	SUB TOTAL:	5,145	1,000	(4,145)	-80.56%
100-550	Training, Conference Registration, Education)				
	Director & Admin Training	2,000	1,500	(500)	-25.00%
	Education Assistance	2,500	-	(2,500)	-100.00%
	Board (7 * \$200)	1,400	1,000	(400)	-28.57%
	HR Classes - All Employees	400	250	(150)	-37.50%
	SUB TOTAL:	6,300	2,750	(3,550)	-56.35%
	Admin - Total Operating Expenses:	480,820	448,775	(32,045)	-6.66%
100	TOTAL FINANCIAL & ADMINISTRATIVE	1,095,593	954,525	(141,068)	-12.88%





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INFORMATION TECHNOLOGY



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200	INFORMATION TECHNOLOGY	Proposed FY 21-22	Proposed FY 22-23	Difference	Percentage Change
Resource Data - Operating Exp.					
200-340	Contractual Services				
	Network Maintenance	3,000	2,500	(500)	-16.67%
	Lake County Water Resource Atlas	28,000	28,000	-	0.00%
	Cyber Security Audit	15,000	-	(15,000)	-100.00%
	HP Security Cameras	3,000	2,000	(1,000)	-33.33%
	Web Site Updates and Maintenance	2,500	2,800	300	12.00%
	SUB TOTAL:	51,500	35,300	(16,200)	-31.46%
200-400	Travel & Per Diem				
	ArcGIS Training (Hotel, Meals and Travel)	1,200	1,200	-	0.00%
	Network Admin Training (Travel)	300	-	(300)	-100.00%
	SUB TOTAL:	1,500	1,200	(300)	-20.00%
200-410	Communications				
	Emergency Elevator and Boat Ramp Phones	2,200	1,200	(1,000)	-45.45%
	Verizon Hot Spot - Security Cameras	1,500	500	(1,000)	-66.67%
	Comcast Internet Service	5,500	4,500	(1,000)	-18.18%
	Star Security Office	4,000	4,000	-	0.00%
	Vonage Cloud Telephone System	3,600	3,000	(600)	-16.67%
	Wireless (14 phones) Verizon Wireless	7,200	6,500	(700)	-9.72%
	SUB TOTAL:	24,000	19,700	(4,300)	-17.92%
200-460	Repair & Maintenance				
	ArcGIS (Win2K) - (Main GIS software maintenance / ESRI)	3,500	3,100	(400)	-11.43%
	Network Equipment Repairs	1,000	1,000	-	0.00%
	OnBase Bathymetric Cloud Storage	2,200	-	(2,200)	-100.00%
	Netgear - SonicWALL Contract/Maint. Renewal	500	750	250	50.00%
	Symantec Antivirus Contract/Maint. Renewal	800	1,000	200	25.00%
	MS Office 365	3,800	3,800	-	0.00%
	Cloud Back up Service	2,200	1,500	(700)	-31.82%
	SUB TOTAL:	14,000	11,150	(2,850)	-20.36%
200-510	Office Supplies				
	Plotter paper (10 x \$60.00) 10 Rolls	100	100	-	0.00%
	Plotter ink (12 x \$125.00) 6 colors - 2 x 6 cartridges	1,000	800	(200)	-20.00%
	New Cell Phone Equipment for Staff	1,000	500	(500)	-50.00%
	Network Printers Ink	500	250	(250)	-50.00%
	Misc. (Foam board, mounting spray, etc.)	100	50	(50)	-50.00%
	HP Color Printer Ink	200	200	-	0.00%
	SUB TOTAL:	2,900	1,900	(1,000)	-34.48%
200-520	Operating Supplies				
	Workstation Monitor	700	500	(200)	-28.57%
	ESRI ArcGIS Licenses	3,400	2,500	(900)	-26.47%
	GPS Pathfinder Software Upgrade	1,500	-	(1,500)	-100.00%
	UPS Back Units Replacement	250	-	(250)	-100.00%
	Adobe Acrobat Professional Upgrade to version 12	1,300	1,300	-	0.00%
	Keyboard and Mouse for Staff	200	200	-	0.00%
	Uniforms, shoes, etc.	125	-	(125)	-100.00%
	SUB TOTAL:	7,475	4,500	(2,975)	-39.80%
200-540	Books, Publications and Dues				
	URISA Membership	250	250	-	0.00%
	SUB TOTAL:	250	250	-	0.00%
200-550	Training				
	Central Florida GIS Users Workshop	250	250	-	0.00%
	Technology Training	2,000	1,500	(500)	-25.00%
	SUB TOTAL:	2,250	1,750	(500)	-22.22%
	Sub Total Resource Data - Operating Expenses.	103,875	75,750	(28,125)	-27.08%
200-640	Machinery and Equipment				
	Battery Back-up System	3,000	-	(3,000)	-100.00%
	Replacement Office Color Printer Copier Machine	2,500	-	(2,500)	-100.00%
	Data Protection Suite Protection	5,000	-	(5,000)	-100.00%
	SUB TOTAL:	10,500	4,000	(6,500)	-61.90%
	Sub Total Resource Data - Capital Improvements:	10,500	4,000	(6,500)	-61.90%
200	TOTAL INFORMATION TECHNOLOGY	114,375	79,750	(34,625)	-30.27%



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HICKORY POINT



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400	HICKORY POINT RECREATIONAL FACILITY	Proposed FY 21-22	Proposed FY 22-23	Difference	Percentage Change
Hickory Point Recreational Facility - Personnel					
400-120	Regular Salaries	67,836	69,404	1,568	2.31%
400-123	Final LV Payout - Regular Salaries	2,010	2,500	490	24.38%
400-140	Overtime	1,000	500	(500)	-50.00%
400-210	Social Security Matching (7.65% - salary plus accrued leave)	5,343	5,400	57	1.07%
400-220	Retirement Contributions	4,230	3,800	(430)	-10.17%
400-230	Life & Health Insurance 2 x \$8,500	17,000	17,000	-	0.00%
400-240	Workers' Comp Insurance + 2,500 Deductible	7,192	3,200	(3,992)	-55.51%
SUB TOTAL Hickory Point - Personnel:		104,611	101,804	(2,807)	-2.68%
Hickory Point Recreational Facility - Operating Exp.					
400-310	Professional Services				
	Boat Ramp Construction Management	65,000	65,000	-	0.00%
SUB TOTAL:		65,000	65,000	-	0.00%
400-340	Contractual Services				
	Bathing Beach Samples	720	720	-	0.00%
	Pavilion Painting	60,000	-	(60,000)	-100.00%
	Restroom Cleaning	600	800	200	33.33%
	Landscaping around Storage Compound	5,000	-	(5,000)	-100.00%
SUB TOTAL:		66,320	1,520	(64,800)	-97.71%
400-430	Utility Services (electric & water)				
	HP - Sumter Electric	12,000	12,000	-	0.00%
	HP - City of Tavares (Water and Sewer)	90,000	55,000	(35,000)	-38.89%
	HP - Waste Management	8,000	8,000	-	0.00%
SUB TOTAL:		110,000	75,000	(35,000)	-31.82%
400-440	Rentals & Leases				
	Rental Equipment	2,000	3,500	1,500	75.00%
SUB TOTAL:		2,000	3,500	1,500	75.00%
400-460	Repair and Maintenance (bldgs. and grounds)				
	Light Poles & Electric Lines Replacement with Dark Sky	45,000	45,000	-	0.00%
	Mulch Grounds and Picnic Area	3,000	3,000	-	0.00%
	Termite Inspection	500	500	-	0.00%
	Fence Maintenance	2,500	2,500	-	0.00%
	Exotic, Invasive Plant (Shoreline & Wetlands)	2,000	2,000	-	0.00%
	Light Poles & Electric Lines Repair	10,000	10,000	-	0.00%
	Elevator Contract (ThyssenKrupp)	3,000	3,000	-	0.00%
SUB TOTAL:		66,000	66,000	-	0.00%
400-470	Printing and Binding				
	Hickory Point Brochure - 4 color	500	500	-	0.00%
SUB TOTAL:		500	500	-	0.00%
400-490	Other Current Charges & Obligations				
	Bathing Beach Permit	700	700	-	0.00%
	DEP Submerged Land Lease Fee	700	-	(700)	-100.00%
	Elevator License	120	120	-	0.00%
SUB TOTAL:		1,520	820	(700)	-46.05%
400-520	Operating Supplies				
	Pavilion Tables, Picnic Tables, Grills, etc.	2,500	2,500	-	0.00%
SUB TOTAL:		2,500	2,500	-	0.00%
Sub Total Hickory Point Recreational Facility - Operating Expenses:		313,840	214,840	(99,000)	-31.54%
400-630	Land Improvements				
	9 Boat Ramp Extensions & 3 New Docks	760,000	815,000	55,000	7.24%
	Park Repiping	150,000	150,000	-	0.00%
SUB TOTAL:		910,000	965,000	55,000	6.04%
Sub Total Hickory Point Recreational Facility - Capital Improvements:		910,000	965,000	55,000	6.04%
400	TOTAL HICKORY POINT RECREATIONAL FACILITY	1,328,451	1,281,644	(46,807)	-3.52%



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EDUCATION



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500	EDUCATION	Proposed FY 21-22	Proposed FY 22-23	Difference	Percentage Change
Education - 3.5% of ad valorem collected: 277,982					
500-340	Other Contractual Services				
	Sheriff - 4 Marine Units (less portion in water budget)	34,342	34,342	-	0.00%
	Naturalist Contractor	20,000	20,000	-	0.00%
	SUB TOTAL:	54,342	54,342	-	0.00%
500-420	Postage & Drayage				
	Public Mailings (Project, Education Activity Notification)	100	100	-	0.00%
	SUB TOTAL:	100	100	-	0.00%
500-440	Rentals and Leases				
	Portalets, Pontoon Rentals for Events	1,000	1,000	-	0.00%
	SUB TOTAL:	1,000	1,000	-	0.00%
500-470	Printing & Binding				
	Printing of Educational Materials	1,000	1,000	-	0.00%
	SUB TOTAL:	1,000	1,000	-	0.00%
500-480	Promotional Activities				
	LCWA Event Advertisements	1,000	1,000	-	0.00%
	Kid's Fishing Clinic	500	500	-	0.00%
	Water Resource Tabloid	200	200	-	0.00%
	SUB TOTAL:	1,700	1,700	-	0.00%
500-490	Other Current Charges & Obligations				
	Educational Events Expenses	350	350	-	0.00%
	SUB TOTAL:	350	350	-	0.00%
500-520	Operating Supplies				
	Limnology Education & Misc. Supplies				
	Water quality test kits & reagents	500	500	-	0.00%
	Miscellaneous supplies	450	450	-	0.00%
	SUB TOTAL:	950	950	-	0.00%
	Sub Total Education - Operating Expenses:	59,442	59,442	-	0.00%
500-810	Aids to Government Agencies				
	Public School Transportation Funds (Hickory Point, NuRF)	1,500	1,500	-	0.00%
	SUB TOTAL:	1,500	1,500	-	0.00%
500-820	Aids to Private Agencies				
	Trout Lake Nature Center Grant	30,000	30,000	-	0.00%
	Community Water Resource Mini-Grants	5,000	5,000	-	0.00%
	SUB TOTAL:	35,000	35,000	-	0.00%
	Sub Total Education - Grants and Aid:	36,500	36,500	-	0.00%
500	TOTAL EDUCATION RECREATIONAL FACILITY	95,942	95,942	-	0.00%



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RESOURCE COMMUNICATIONS



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600	RESOURCE COMMUNICATION	Proposed FY 21-22	Proposed FY 22-23	Difference	Percentage Change
600-340	Contractual Services				
	Media & Graphics Services	4,000	-	(4,000)	-100.00%
	PR Social Media Consulting	10,000	-	(10,000)	-100.00%
	Communications Contractor	20,000	20,000	-	0.00%
	LCWA Public Outreach Campaign	75,000	-	(75,000)	-100.00%
	SUB TOTAL:	109,000	20,000	(89,000)	-81.65%
600-420	Freight and Postage				
	Public Mailings (Fire, Land Management activity notifications)	250	250	-	0.00%
	SUB TOTAL:	250	250	-	0.00%
600-440	Rentals & Leases				
	Equipment Rental (Porta-potties)	-	-	-	0.00%
	SUB TOTAL:	500	500	-	0.00%
600-470	Printing & Binding				
	Brochures	2,500	2,500	-	0.00%
	SUB TOTAL:	2,500	2,500	-	0.00%
600-480	Promotional Activities				
	LCWA Promotions (t-shirts, event signs)	1,000	1,000	-	0.00%
	General LCWA Ads	500	5,000	4,500	900.00%
	Promotional Items (whistles, keytainers, bags)	1,500	1,500	-	0.00%
	SUB TOTAL:	3,000	7,500	4,500	150.00%
600-490	Other Current Charges & Obligations				
	LCWA Public Events	500	500	-	0.00%
	Lakes Clean-up events (Eustis, Wekiva, Umatilla)	500	500	-	0.00%
	SUB TOTAL:	1,000	1,000	-	0.00%
600-540	Books, Publications and Dues				
	Reference Books	-	1,000	1,000	100.00%
	League of Environmental Educators of Florida (LEEF)	-	100	100	100.00%
	SUB TOTAL:	-	1,100	1,100	100.00%
	<i>Sub Total Resources - Operating Expenses:</i>	116,250	32,850	(83,400)	-71.74%
600	TOTAL RESOURCE COMMUNICATION	116,250	32,850	(83,400)	-71.74%



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WATER RESOURCES



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710	WATER RESOURCES	Proposed FY 21-22	Proposed FY 22-23	Difference	Percentage Change
Water Resources - Personnel					
710-120	Regular Salaries	286,140	240,089	(46,051)	-16.09%
710-123	Final LV Payout - Regular Salaries	28,000	28,000	-	0.00%
710-140	Overtime	14,500	14,500	-	0.00%
710-210	Social Security Matching (7.65% - salary plus accrued leave)	25,032	25,032	-	0.00%
710-220	Retirement Contributions	28,610	28,610	-	0.00%
710-230	Life & Health Insurance 5 x \$8,500	42,500	42,500	-	0.00%
710-240	Workers' Comp Insurance + 2,500 Deductible	4,234	3,925	(309)	-7.30%
SUB TOTAL Water Resources - Personnel:		429,016	360,024	(46,360)	-10.81%
Water Resources - Operating Exp.					
710-310	Professional Services				
	NuRF Improvements				
	Pegasus - Design, Bid & Construction Mgmt.	75,000	30,000	(45,000)	-60.00%
	Woodard & Curran - Design, Bid & Construction Mgmt. (Debris)	300,000	150,000	(150,000)	-50.00%
	Woodard & Curran - Design, Bid & Construction Mgmt. (WQ)	-	-	-	0.00%
	NuRF Improvements Design, Bid & Construction Mgmt.	300,000	300,000	-	0.00%
	Apopka Beauclair Canal Diversion Weir	20,000	-	(20,000)	-100.00%
	NuRF Innovative Technologies	200,000	200,000	-	0.00%
	Clermont Chain Stormwater/Lake Study - Wood	250,000	175,000	(75,000)	-30.00%
	NuRF Road Improvements	-	35,000	-	0.00%
	Hickory Point Boat Ramp Construction Mgmt	-	60,000	-	0.00%
SUB TOTAL:		1,145,000	1,000,000	(145,000)	-12.66%
710-340	Contractual Services				
	Sheriff - 4 Marine Units (less portion in education budget)	423,558	436,265	12,707	3.00%
	2 Clermont Chain Police Officers	220,000	226,600	6,600	3.00%
	Apopka Beauclair Canal Diversion Weir	90,000	-	(90,000)	-100.00%
	Lake Yale Whole Lake Alum Application	-	1,000,000	1,000,000	100.00%
	Aerrotek	15,000	-	(15,000)	-100.00%
	Containment area sediment piling Long Reach	30,000	30,000	-	0.00%
	Monitoring and Control Maintenance	60,000	60,000	-	0.00%
	NuRF Existing Floc Residue Removal	-	1,000,000	1,000,000	100.00%
	NuRF Future Production Residual Removal	150,000	250,000	100,000	66.67%
	Waterway Sign Replacement	10,000	10,000	-	0.00%
	Adopt a Lake Sampling	35,000	35,000	-	0.00%
	Aquatic Plant Harvesting	30,000	30,000	-	0.00%
	USGS monitoring network	153,930	159,000	5,070	3.29%
	Waterway Tree Removal	30,000	30,000	-	0.00%
	NuRF - Analytical Diagnostics	5,000	5,000	-	0.00%
SUB TOTAL:		1,252,488	3,286,865	2,034,377	162.43%
710-400	Travel & Per Diem				
	Water Resources Director	800	1,000	200	25.00%
	Water Resources Manager	1,250	1,000	(250)	-20.00%
	NuRF Operators	900	900	-	0.00%
SUB TOTAL:		2,950	2,900	(50)	-1.69%
	Communications				
	Security Alarm & Monitoring	500	500	-	0.00%
	Rain Gauge Communication Service	1,000	1,000	-	0.00%
	NuRF Operators	4,500	4,500	-	0.00%
SUB TOTAL:		6,000	6,000	-	0.00%
710-420	Freight and Postage				
	NuRF Freight	1,500	1,500	-	0.00%
SUB TOTAL:		1,500	1,500	-	0.00%
710-430	Utility Services				
	NuRF Electrical Service	80,000	80,000	-	0.00%
	Lake Denham Electrical	15,000	15,000	-	0.00%
SUB TOTAL:		95,000	95,000	-	0.00%
710-440	Rental & Leases				
	Equipment	20,000	20,000	-	0.00%
SUB TOTAL:		20,000	20,000	-	0.00%
710-460	Repair & Maintenance (field equip. and site maint.)				
	Lake Denham Site Maintenance				
	Roads and Levee	20,000	20,000	-	0.00%
	Pumps and Pump Houses	7,500	7,500	-	0.00%
	NuRF Maintenance				
	System Maintenance	45,000	45,000	-	0.00%
	Paint Sludge Tank (warranty work)	1,500	1,500	-	0.00%
	Maintenance Reserve	450,000	350,000	(100,000)	-22.22%
	Dredge Replacement Parts	7,500	7,500	-	0.00%
	NuRF Operation				
	Roadway Lighting Repair/Replace	-	2,500	2,500	100.00%
	Aquatic Plant Harvester	-	30,000	30,000	100.00%
	Chain Saws & Power Tools (Boats)	1,000	1,500	500	50.00%
	Centrifuge Service	50,000	75,000	25,000	50.00%
	Bulldozer	3,000	3,000	-	0.00%
	NuRF Tractor	3,000	3,000	-	0.00%

	NuRF Tractor Bush Hog	1,000	1,000	-	0.00%
	NuRF Lawnmower	1,000	1,000	-	0.00%
	Bobcat	5,000	5,000	-	0.00%
	NuRF Trucks	3,000	3,000	-	0.00%
	NuRF Mule	1,500	1,500	-	0.00%
	Dump Truck	-	30,000	30,000	100.00%
	SUB TOTAL:	600,000	588,000	(12,000)	-2.00%
710-490	Other Current Charges and Obligations				0.00%
	Project Permit Fees - Water Resource Projects	20,000	10,000	(10,000)	-50.00%
	Licenses	200	200	-	0.00%
	SUB TOTAL:	20,200	10,200	(10,000)	-49.50%
710-520	Operating Supplies				
	Lake Denham Diesel	5,000	7,000	2,000	40.00%
	Uniforms (3 Employees)	600	-	(600)	-100.00%
	NuRF Supplies (Paint, Grease, Paper)	15,000	10,000	(5,000)	-33.33%
	NuRF Glassware (Imhoff cones, flasks)	200	200	-	0.00%
	NuRF Tools	2,000	2,000	-	0.00%
	Aquatic Plant Harvester Fuel	-	25,000	25,000	100.00%
	NuRF Diesel	-	-	-	0.00%
	Bobcat	7,500	10,000	2,500	33.33%
	Dump Truck	-	-	30,000	0.00%
	Excavator	-	-	30,000	0.00%
	Storm Drain Markers	1,000	1,000	-	0.00%
	Water Level Gages	300	1,200	900	300.00%
	Navigation Buoys, Anchors, Cables, etc.	2,500	2,500	-	0.00%
	Safety Shoes (3 employees)	750	500	(250)	-33.33%
	Protective Gear (rain gear, waders, glasses, etc.)	300	300	-	0.00%
	YSI Replacement Probes	5,000	5,000	-	0.00%
	YSI Calibration Solution	500	500	-	0.00%
	SUB TOTAL:	40,650	125,200	84,550	208.00%
710-522	Alum and Polymer Supplies				
	NuRF Alum	2,555,000	2,200,000	(355,000)	-13.89%
	NuRF Polymer	150,000	190,000	40,000	26.67%
	SUB TOTAL:	2,705,000	2,390,000	(315,000)	-11.65%
710-530	Road Materials and Supplies				
	NuRF Road Improvements	-	175,000	-	0.00%
	NuRF and Dam Gravel Road Improvements	15,000	30,000	15,000	100.00%
	SUB TOTAL:	15,000	30,000	15,000	100.00%
710-540	Books, Publications and Dues				
	Florida Aquatic Plant Management Society	75	75	-	0.00%
	FL. Chapter of the American Fisheries Society	100	100	-	0.00%
	American Water Resources Association	200	-	(200)	-100.00%
	American Water Works Association	150	-	(150)	-100.00%
	North American Lake Mgmt. Society	150	150	-	0.00%
	Aquatic Plant Herbicide License	400	400	-	0.00%
	Aquatic Plant Herbicide License	-	100	100	100.00%
	Leadership Lake County	2,200	-	(2,200)	-100.00%
	Limnological Reference Books	200	200	-	0.00%
	SUB TOTAL:	3,475	1,025	(2,450)	-70.50%
710-550	Training				
	Centrifuge Training	1,000	1,000	-	0.00%
	FLMS Conference registration	500	750	250	50.00%
	Stormwater Conference Registration	840	840	-	0.00%
	Florida Aquatic Weed Short course	275	275	-	0.00%
	Professional Development Seminars(3)	900	900	-	0.00%
	SUB TOTAL:	3,515	3,765	250	7.11%
	Sub Total Water Resources - Operating Expenses:	5,910,778	7,560,455	1,649,677	27.91%
710-630	Improvements other than Buildings				
	NuRF Site Improvements				
	Monitoring Device and Control	225,000	225,000	-	0.00%
	Alum Injection	200,000	200,000	-	0.00%
	Alum Inventory Improvements	-	10,000	10,000	100.00%
	Dredge Pipeline	150,000	-	(150,000)	-100.00%
	NuRF Tank Replacement	45,000	45,000	-	0.00%
	NuRF A/C Replacement	21,000	-	(21,000)	-100.00%
	Rain Gauge Improvements	5,000	5,000	-	0.00%
	Villa City Dam - Video Operation	8,000	8,000	-	0.00%
	Debris Removal System - Design, Installation	1,500,000	1,500,000	-	0.00%
	Hickory Point Boat Ramp Construction - East Ramps	-	930,000	-	100.00%
	SUB TOTAL:	2,154,000	2,923,000	769,000	35.70%
710-640	Machinery & Equip.				
	Excavator	-	257,000	257,000	100.00%
	Dump Truck	-	175,000	175,000	100.00%
	HACH Equipment (TP Inflow)	-	50,000	50,000	100.00%
	Portable UV254 Monitor	-	225,000	225,000	100.00%
	Boom Mower	25,000	-	(25,000)	-100.00%
	Bobcat Bucket	2,000	-	(2,000)	-100.00%
	New LCWA Boat Center Console	60,000	-	(60,000)	-100.00%
	SUB TOTAL:	87,000	707,000	620,000	712.64%
	Sub Total Water Resources - Capital Improvements:	2,241,000	3,630,000	1,389,000	61.98%

710-810	Aid to Government Agencies				
	Fruitland Park Baffle Box (Mirror Lake)	400,000	-	(400,000)	-100.00%
	Mt. Dora Baffle Box (Lake Gertrude)	67,500	-	(67,500)	-100.00%
	Lady Lake Master Plan	65,000	-	(65,000)	-100.00%
	Umatilla Stormwater Detention Pond (Umatilla Blvd)	200,000	-	(200,000)	-100.00%
	2021 Stormwater Retrofit Grants				
	Mount Dora (Liberty Ave)	285,738	285,738	-	0.00%
	Lake County BCC (Lake Joanna)	90,000	-	(90,000)	-100.00%
	Lake County BCC (Picciola Harbors)	63,675	63,675	-	0.00%
	Mascotte (SW Master Plan)	50,000	-	(50,000)	-100.00%
	Lake County BCC (Lake Joanna 2nd Baffle Box)	245,000	245,000	-	0.00%
	City of Clermont (Basin 12-A)	30,000	-	(30,000)	-100.00%
	2022 Stormwater Retrofit Grants				
	Clermont Chain Stormwater Improvements	500,000	-	(500,000)	-100.00%
	Stormwater Grants	400,000	-	(400,000)	-100.00%
	Tavares Public Works SW Project	-	105,000	105,000	100.00%
	Clermont Basin 12A Construction	-	250,000	250,000	100.00%
	Montverde Boat Ramp	80,000	80,000	-	0.00%
	2023 Stormwater Retrofit Grants				
	Lake County Stormwater/Lake Study	-	25,000	25,000	100.00%
	Clermont Boat Ramp	-	-	-	0.00%
	FWC Boat Survey	36,000	-	(36,000)	-100.00%
	FWC Creel Survey	-	5,000	5,000	100.00%
	SUB TOTAL:	2,512,913	2,059,413	(453,500)	-18.05%
	<i>Sub Total Water Resources - Outreach</i>	2,512,913	2,059,413	(453,500)	-18.05%
710	TOTAL WATER RESOURCES	11,093,707	#####	(4,280,212)	-38.58%





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NATURAL RESOURCES



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720	NATURAL RESOURCES	Proposed FY 21-22	Proposed FY 22-23	Difference	Percentage Change
Natural resources - Personnel					
720-120	Regular Salaries + Straight Time	177,372	181,880	4,508	2.54%
720-123	Final LV Payout - Regular Salaries	12,300	12,500	200	1.63%
720-130	Other Salaries & Wages	3,500	-	(3,500)	-100.00%
720-140	Overtime	1,400	500	(900)	-64.29%
720-210	Social Security Matching (7.65% - salary plus accrued. leave)	14,510	13,915	(595)	-4.10%
720-220	Retirement Contributions	17,300	17,800	500	2.89%
720-230	Life & Health Insurance 3 x \$8,500	25,500	25,500	-	0.00%
720-240	Workers' Comp Insurance + 2,500 Deductible	3,230	3,320	90	2.79%
SUB TOTAL Land Management - Personnel		255,112	255,415	303	0.12%
Natural resources - Operating Exp.					
720-310	Professional Services				
	Survey - Re-establishing, Realignment, Boundary Situations	3,000	3,000	-	0.00%
SUB TOTAL:		3,000	3,000	-	0.00%
720-340	Contractual Services				
	Land Management General Services	4,000	2,000	(2,000)	-50.00%
	Preserve Restroom Cleaning (Faithworks)	7,000	7,000	-	0.00%
	Exotic Invasive Hog Removal (USDA)	10,000	10,000	-	0.00%
	Burn Plan Development	1,500	1,500	-	0.00%
SUB TOTAL:		22,500	20,500	(2,000)	-8.89%
720-400	Travel and Per Diem				
	Natural resources Director	500	500	-	0.00%
	Land Management Rangers (2)	800	800	-	0.00%
SUB TOTAL:		1,300	1,300	-	0.00%
720-430	Utility Services				
	HWP Utility Light, BHNP Electric, Tipping Fees	1,500	1,500	-	0.00%
SUB TOTAL:		1,500	1,500	-	0.00%
720-440	Rentals and Leases				
	Equipment Rental for Natural resources Projects	5,000	2,000	(3,000)	-60.00%
SUB TOTAL:		5,000	2,000	(3,000)	-60.00%
720-460	Repair & Maintenance (field equip. and site maint.)				
	Division of Forestry "Stand-by" Monies	1,000	1,000	-	0.00%
	Site residences				
	Crooked River	5,000	2,000	(3,000)	-60.00%
	Flat Island	2,000	2,000	-	0.00%
	Bourlay Historic Nature Park	2,000	2,000	-	0.00%
	Dead and/or Hazardous Tree Removal	10,000	10,000	-	0.00%
	Land Management General Services	8,000	2,000	(6,000)	-75.00%
	Exotic, Invasive Plant Removal	15,000	15,000	-	0.00%
	Contract Burning				
	Sawgrass Island 2 units - 84.20 acres	8,000	2,000	(6,000)	-75.00%
	Wolf Branch Sink 4 units - 46.20 acres	6,000	2,000	(4,000)	-66.67%
	Scrub Point 1 unit - 6.30 acres	8,000	2,000	(6,000)	-75.00%
	Fern Prairie 1 unit - 58.0 acres	10,000	2,000	(8,000)	-80.00%
	Flowing Waters 1 unit - 23.20 acres	5,000	-	(5,000)	-100.00%
	Mowing & Fireline Maintenance				
	Fern Prairie Preserve	3,000	2,000	(1,000)	-33.33%
	Flowing Waters	5,000	-	(5,000)	-100.00%
	Scrub Point	3,000	1,000	(2,000)	-66.67%
	Bear Track	3,000	2,000	(1,000)	-33.33%
	Sawgrass	3,000	2,000	(1,000)	-33.33%
	Preserve Roads and Parking Area Repairs	3,000	3,000	-	0.00%
	Preserve Restoration Vegetation and Seed	5,000	5,000	-	0.00%
	Preserve Trail Maintenance and Repairs	2,000	2,000	-	0.00%
	Improvements to Sabal Bluff - Duke Energy Funds	70,000	65,000	(5,000)	-7.14%
	Sawgrass Island Preserve Restoration Maintenance	3,000	2,000	(1,000)	-33.33%
SUB TOTAL:		180,000	126,000	(54,000)	-30.00%
720-490	Other Current Charges & Obligations				
	Licenses	200	200	-	0.00%
	Preserve Road Vacations	1,500	1,000	(500)	-33.33%
SUB TOTAL:		1,700	1,200	(500)	-29.41%
720-520	Operating Supplies				
	Field & Planting Supplies	1,000	1,000	-	0.00%
	Fire Radios	5,000	-	(5,000)	-100.00%
	Janitorial Supplies	1,000	1,000	-	0.00%
	Fire Equipment - hose, valves, nozzles	1,500	1,500	-	0.00%
	Protective Gear (boots, rain gear, glasses, PPE)	800	800	-	0.00%
	Signs for Preserves	10,000	10,000	-	0.00%
	Mulch for BHNP trail stations & garden	800	800	-	0.00%
	Chemical Sprayers	500	500	-	0.00%
	Herbicides, chemicals	3,000	3,000	-	0.00%
SUB TOTAL:		23,600	18,600	(5,000)	-21.19%

720-540	Books, Publications and Dues				
	Gopher Tortoise Council	75	75	-	0.00%
	Florida Exotic Pest & Plant Council	100	100	-	0.00%
	Florida Native Plant Society	100	100	-	0.00%
	Reference Books/Materials	100	100	-	0.00%
	Professional Certifications	100	100	-	0.00%
	SUB TOTAL:	475	475	-	0.00%
720-550	Training				
	Natural resources Director	600	600	-	0.00%
	Prescribed Fire Class for staff	600	600	-	0.00%
	Land Management Rangers (2)	800	800	-	0.00%
	SUB TOTAL:	2,000	2,000	-	0.00%
	<i>SUB TOTAL Natural resources - Operating Expenses</i>	241,075	176,575	(64,500)	-26.76%
720-630	Improvements other than Buildings				
	Preserve Roads and Parking Areas Improvements	20,000	10,000	(10,000)	-50.00%
	SUB TOTAL:	20,000	10,000	(10,000)	-7.41%
720-640	Machinery & Equip.				
	Replacement Dump Truck	62,000	68,000	6,000	9.68%
	Zero-Turn Mower	10,000	-	(10,000)	-100.00%
	Front Mower	6,500	6,500	-	0.00%
	Disk for Tractor	2,200	-	(2,200)	-100.00%
	SUB TOTAL:	80,700	74,500	(6,200)	-7.68%
	<i>SUB TOTAL Natural resources - Capital Improvements:</i>	100,700	84,500	(16,200)	-16.09%
720	TOTAL NATURAL RESOURCES	596,887	516,490	(80,397)	-12.57%





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FIELD SERVICES



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730	FIELD SERVICES	Proposed FY 21-22	Proposed FY 22-23	Difference	Percentage Change
Field Services - Personnel					
730-120	Regular Salaries	198,740	183,214	(15,526)	-7.81%
730-123	Accrued Leave	7,300	8,500	1,200	16.44%
730-140	Overtime	7,000	1,000	(6,000)	-85.71%
730-210	Social Security Matching (7.65% - salary plus accrued leave)	15,792	15,792	-	0.00%
730-220	Retirement Contributions	19,756	19,756	-	0.00%
730-230	Life & Health Insurance	34,000	34,000	-	0.00%
730-240	Workers' Compensation Insurance	6,216	3,500	(2,716)	-43.69%
SUB TOTAL Field Services - Personnel:		288,804	265,762	(23,042)	-7.98%
Field Services - Operating Exp.					
730-400	Travel & Per Diem				
	Seminars and Courses	600	600	-	0.00%
SUB TOTAL:		600	600	-	0.00%
730-440	Rentals & Leases				
	Equipment	2,500	2,500	-	0.00%
SUB TOTAL:		2,500	2,500	-	0.00%
730-460	Repair & Maintenance (field veh. and site maint.)				
	Navigation Lights (repair & replace)	1,000	500	(500)	-50.00%
	Chain Saws & Power Tools	3,000	2,000	(1,000)	-33.33%
	Waterway Sign Repair	1,500	1,500	-	0.00%
	Vehicle Maintenance	10,000	5,000	(5,000)	-50.00%
	Boat Maintenance	8,400	4,400	(4,000)	-47.62%
	Tractor Maintenance	12,000	8,000	(4,000)	-33.33%
	Mower Maintenance	3,000	3,000	-	0.00%
	Fire Alarm, Backflow Inspections	3,000	2,000	(1,000)	-33.33%
	Emergency Tree or Mowing Services	2,000	2,000	-	0.00%
SUB TOTAL:		43,900	28,400	(15,500)	0.00%
730-490	Other Current Charges & Obligations				
	Licenses	200	100	(100)	-50.00%
	Boat Registration (7 boats)	100	200	100	100.00%
SUB TOTAL:		300	300	-	0.00%
730-520	Operating Supplies				
	Fuel	20,000	20,000	-	0.00%
	Janitorial Supplies	5,000	5,000	-	0.00%
	Electrical, Landscape, Irrigation, Hardware	2,200	2,200	-	0.00%
	Chain Saws, Power Tools, Shop Tools	3,500	2,500	(1,000)	-28.57%
	Protective Gear (safety boots, waders, glasses, etc.)	1,000	1,000	-	0.00%
	New Waterway and Project Signs, Post, Braces	4,000	2,000	(2,000)	-50.00%
SUB TOTAL:		36,200	32,700	(3,500)	-9.67%
730-540	Books, Publications and Dues				
	Subscriptions, dues and books	100	100	-	0.00%
SUB TOTAL:		100	100	-	0.00%
730-550	Training				
	Classes or Conferences	500	500	-	0.00%
	Seminars and Courses	500	500	-	0.00%
SUB TOTAL:		1,000	1,000	-	0.00%
Sub Total Field Services - Operating Expenses		84,600	65,600	(19,000)	-22.46%
730-620	Buildings				
	Storage Pole Barn	350,000	350,000	-	0.00%
SUBTOTAL		350,000	350,000	-	0.00%
730-640	Machinery & Equip.				
	New Truck	30,000	30,000	-	0.00%
SUB TOTAL:		30,000	30,000	-	0.00%
Sub Total Field Services - Capital Improvements:		380,000	380,000	-	0.00%
730	TOTAL FIELD SERVICES	753,404	711,362	(42,042)	-5.58%



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FUND BALANCE AND CONTINGENCY



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FUND BALANCE & CONTINGENCY		Proposed FY 21-22	Proposed FY 22-23	Difference	Percentage Change
992	Fund Balance - End of Year	300,000	300,000	-	0.00%
996	NuRF Closure Reserve	-	-	-	0.00%
995	Alum Reserve	1,600,000	1,600,000	-	0.00%
998	Surplus of Water Authority Property	-	-	-	0.00%
997	Self-Insurance Reserve	250,000	250,000	-	0.00%
998	Water Authority Building Maintenance Fund	25,000	25,000	-	0.00%
999	Contingency Reserve	500,000	500,000	-	0.00%
TOTAL FUND BALANCE & CONTINGENCY		2,675,000	2,675,000	-	0.00%

100-813	Comm. Re dev. Trust Fund Reimbursement				
	Umatilla (2)	10,169	10,169	-	0.00%
	Mascotte	12,182	12,182	-	0.00%
	Mt Plymouth - Sorrento	6,722	6,722	-	0.00%
	Mt Dora	66,957	66,957	-	0.00%
	Tavares (2)	13,667	13,667	-	0.00%
	Clermont (2)	18,899	18,899	-	0.00%
	Eustis (2)	23,798	23,798	-	0.00%
	Fruitland Park (2)	27,125	27,125	-	0.00%
	Groveland	25,759	25,759	-	0.00%
	Leesburg (4)	90,044	90,044	-	0.00%
	Minneola (2)	118,982	118,982	-	0.00%
TOTAL COMM. REDEV TRUST FUND REIMBURSEMENTS		414,304	414,304	-	0.00%





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SUMMARY OF EXPENSES AND REVENUES



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SUMMARY OF EXPENDIURES AND REVENUES

SUMMARY OF EXPENSES		Proposed FY 21-22	Proposed FY 22-23	Difference	Percentage Change
100	Financial & Administrative	1,095,593	954,525	(141,068)	-12.88%
400	Hickory Point Recreational Facility	1,328,451	1,281,644	(46,807)	-3.52%
500	Education	95,942	95,942	-	0.00%
600	Resource Communication	116,250	32,850	(83,400)	-71.74%
710	Water Resources	11,093,707	#####	2,516,185	22.68%
730	Field Services	753,404	711,362	(42,042)	-5.58%
200	Information Technology	114,375	79,750	(34,625)	-30.27%
720	Natural resources	596,887	516,490	(80,397)	-13.47%
100	Fund Balance & Contingency	2,675,000	2,675,000	-	0.00%
100	Comm. Redev. Trust Fund Reimbursement	414,304	414,304	-	0.00%
TOTAL EXPENDITURES		18,283,913	#####	2,087,846	11.42%

CASH BROUGHT FORWARD	10,086,627	#####	9,520,694	94.39%
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REVENUES		Proposed FY 21-22	Proposed FY 22-23	Difference	Percentage Change
TAXES LEVIED					
	Existing Millage Rate/\$1,000	0.3229	0.2990	-	0.00%
	Ad Valorem Taxes Levied	8,570,827	7,936,443	(634,384)	-7.40%
	\$26,543,286,336/1000	-	-	-	0.00%
	Less 5 Percent (uncollectable)	(428,541)	(396,822)	31,719	-7.40%
311100	TOTAL TAXES (95% OF LEVY)	8,142,286	7,539,621	(602,665)	-7.40%
OTHER REVENUES					
400-362100	Hickory Point - County Volleyball	5,000	5,000	-	0.00%
400-347201	Hickory Point Revenue	10,000	10,000	-	0.00%
100-361100	Interest (and other)	40,000	10,000	(30,000)	-75.00%
	TOTAL OTHER REVENUES	55,000	25,000	(30,000)	-54.55%
TOTAL REVENUES		8,197,286	7,564,621	(632,665)	-7.72%
TOTAL CASH FORWARD & REVENUES		18,283,913	27,171,942	8,888,029	48.61%
EXCESS OF REVENUES OVER EXPENSES		-	6,800,183	6,800,183	



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FIVE YEAR PLAN

Lake County Water Authority Five Year Plan - 2020-2025		FY	2020-21	%	2021-22	%	2022-23	%	2023-24	%	2024-25	%
Revenue												
Revenue (less 5% uncollectable)			7,927,521	50.84%	8,144,877	56.16%	8,264,516	54.95%	8,387,744	56.88%	8,464,521	55.54%
Cash Forward			7,639,694	49.00%	6,332,732	43.67%	6,751,099	44.89%	6,332,732	42.95%	6,751,099	44.30%
Outside Revenue			25,000	0.16%	25,000	0.17%	25,000	0.17%	25,000	0.17%	25,000	0.16%
Total Revenue:			15,592,215	100.00%	14,502,609	100.00%	15,040,615	100.00%	14,745,476	100.00%	15,240,620	100.00%
Expenditures												
Administration												
Personnel			655,386	4.53%	675,048	4.40%	695,299	4.87%	716,158	4.52%	741,208	5.20%
Operating Expenses			462,026	3.19%	485,128	3.17%	509,384	3.57%	534,853	3.37%	559,903	3.93%
Capital Outlay			50,000	0.35%	50,000	0.33%	50,000	0.35%	50,000	0.32%	50,000	0.35%
Office Painting					13,000	0.08%						
Vehicle/Storage Garage					200,000	1.30%						
New Vehicle			53,000	0.37%								
Sub Total Administration			1,220,412	8.44%	1,423,176	9.29%	1,254,683	8.78%	1,301,011	8.21%	1,351,111	9.48%
Hickory Point												
Operating Expenses			270,000	1.87%	290,000	1.89%	300,000	2.10%	300,000	1.89%	300,000	2.11%
Capital Outlay			25,000	0.17%	25,000	0.16%	25,000	0.17%	25,000	0.16%	25,000	0.18%
Boat Ramp Improvements					500,000	3.26%						
New Vehicle												
Sub Total Parks and Rec			295,000	2.04%	815,000	5.32%	325,000	2.27%	325,000	2.05%	325,000	2.28%
Water Resources												
Personnel			290,140	2.01%	298,844	1.95%	307,810	2.15%	317,044	2.00%	323,385	2.27%
Operating Expenses			153,652	1.06%	233,261	1.52%	240,259	1.68%	247,467	1.56%	251,674	1.77%
Palatlakaha Restoration (Villa City Construction Management)					50,000	0.33%						
Palatlakaha Restoration (Villa City Construction)					900,000	5.87%						
Palatlakaha Restoration (Cherry Lake Design)							100,000	0.70%				
Palatlakaha Restoration (Cherry Lake Construction Management)									50,000	0.32%		
Palatlakaha Restoration (Cherry Lake Design)									1,100,000	6.94%		
NuRF - Maintenance			250,000	1.73%	250,000	1.63%	300,000	2.10%	300,000	1.89%	300,000	2.11%
NuRF - Maintenance Reserve			750,000	5.18%	650,000	4.24%	675,000	4.72%	700,000	4.42%	750,000	5.26%
NuRF - Equipment			1,500,000	10.37%	1,000,000	6.52%	1,000,000	7.00%	1,000,000	6.31%	575,000	4.04%
NuRF - Alum			2,500,000	17.28%	2,500,000	16.31%	2,500,000	17.50%	2,500,000	15.78%	2,500,000	17.55%
NuRF - Polymer			200,000	1.38%	200,000	1.30%	300,000	2.10%	300,000	1.89%	300,000	2.11%
Waterway Signs			15,000	0.10%	25,000	0.16%	15,000	0.10%	15,000	0.09%	25,000	0.18%
Adopt a Lake Sampling			35,000	0.24%	35,000	0.23%	35,000	0.24%	35,000	0.22%	35,000	0.25%
Aquatic Plant Harvesting			30,000	0.21%	25,000	0.16%	30,000	0.21%	25,000	0.16%	35,000	0.25%
USGS monitoring network			154,500	1.07%	159,135	1.04%	163,909	1.15%	168,826	1.07%	173,890	1.22%
Waterway Tree Removal			30,000	0.21%	30,000	0.20%	30,000	0.21%	30,000	0.19%	30,000	0.21%
Sheriff - Marine Patrol (85% of full amount)			458,078	3.17%	467,240	3.05%	476,585	3.34%	486,116	3.07%	495,838	3.48%
Sheriff - Boat for Marine Unit			52,000	0.36%					60,000	0.38%		
Replace Vehicle					32,000	0.21%	33,000	0.23%				
Aids To Government Agencies												
2020 Stormwater Retrofit Projects			900,000	6.22%								
2021 Stormwater Retrofit Projects												
Future Stormwater Projects					1,000,000	6.52%	1,000,000	7.00%	1,200,000	7.57%	1,000,000	7.02%
Lake Water Quality Studies					150,000	0.98%	250,000	1.75%	250,000	1.58%	175,000	1.23%
Harris Chain Restoration Council Support												
HCRC - FWC Bass Tracking Telemetry Equipment												
SubTotal - Water Resources:			7,318,370	50.59%	8,005,480	52.23%	7,456,563	52.19%	8,784,453	55.43%	6,969,787	46.65%
Field Services												
Personnel			374,267	2.59%	385,495	2.52%	397,060	2.78%	408,972	2.58%	414,022	2.91%
Operating Expenses			126,139	0.87%	129,923	0.85%	133,821	0.94%	137,835	0.87%	141,885	1.00%
New Vehicle			37,000	0.26%			40,000	0.28%				
SubTotal - Field Services:			537,406	3.71%	515,418	3.36%	570,881	4.00%	546,807	3.45%	555,907	3.90%

	FY	2020-21	%	2021-22	%	2022-23	%	2023-24	%	2024-25	%
Land Resources											
Personnel		260,000	1.80%	315,000	2.06%	324,450	2.27%	334,184	2.11%	345,000	2.42%
Operating Expenses		22,000	0.15%	27,000	0.18%	29,000	0.20%	31,000	0.20%	33,000	0.23%
Professional Services		3,000	0.02%	3,000	0.02%	3,000	0.02%	3,000	0.02%	3,000	0.02%
Other Contractual Services		25,000	0.17%	26,000	0.17%	27,000	0.19%	28000	0.18%	29,000	0.20%
Repair & Maintenance		195,000	1.35%	197,000	1.29%	199,000	1.39%	201,000	1.27%	203,000	1.42%
Site Improvements		26,000	0.18%	100,000	0.65%	100,000	0.70%	100,000	0.63%	100,000	0.70%
Bear Track Preserve Boardwalk + Dock									0.00%		
Machinery & Equipment		5,000	0.03%	7,000	0.05%	9,000	0.06%	11,000	0.07%	12,000	0.08%
New Vehicle		0	0.00%	50,000	0.33%	0	0.00%	40,000	0.25%	0	
SubTotal - Land Resources:		536,000	3.71%	725,000	4.73%	691,450	4.84%	748,184	4.72%	725,000	5.09%
Resource Communication											
Education Limit - 3.5 % of ad valorem		277,463		285,071		289,258		293,571		210,053	
Operating Expenses											
OtherContractual Services											
Sheriff - Marine Patrol (15% of full amount)		18,931	0.13%	19,878	0.13%	20,871	0.15%	21,915	0.14%	22,965	0.16%
Naturalist Contractor		15,000	1.33%	15,000	0.10%	15,000	0.10%	15,000	0.09%	15,000	0.11%
Education Contractor		15,000	0.10%	15,000	0.10%	15,000	0.10%	15,000	0.09%	15,000	0.11%
Education and Graphics Design Services		10,000	0.07%	10,000	0.07%	10,000	0.07%	10,000	0.06%	10,000	0.07%
Rentals											
Pontoon Boat Rental		2,500	0.02%	2,500	0.02%	2,500	0.02%	2,500	0.02%	2,500	0.02%
Printing & Binding											
Printing of Educational Materials		2,000	0.01%	2,000	0.01%	2,000	0.01%	2,000	0.01%	2,000	0.01%
Promotional Activities							0.00%				
Lake Academy		1,500	0.01%	1,500	0.01%	1,500	0.01%	1,500	0.01%	1,500	0.01%
Kids Fishing Clinic		500	0.00%	500	0.00%	500	0.00%	500	0.00%	500	0.00%
LCWA Events/Project Advertisements		2,000	0.01%	2,000	0.01%	2,000	0.01%	2,000	0.01%	2,000	0.01%
Operating Supplies											
Limnology Education & Misc. Supplies		700	0.00%	700	0.00%	700	0.00%	700	0.00%	700	0.00%
Aids to Government Agencies							0.00%				
Public School Transportation Funds		5,000	0.03%	5,000	0.03%	5,000	0.03%	5,000	0.03%	5,000	0.04%
Aids to Private Agencies											
Trout Lake Center Grant		30,000	0.21%	30,000	0.20%	30,000	0.21%	30,000	0.19%	30,000	0.21%
SubTotal - Education:		103,131	1.94%	104,078	0.68%	105,071	0.74%	106,115	0.67%	107,165	0.75%
Public Outreach											
Promotional Activities		3,500	0.02%	3,500	0.02%	3,500	0.02%	3,500	0.02%	3,500	0.02%
Supplies, Equipment, Mailings		17,620	0.12%	17,620	0.11%	17,620	0.12%	17,620	0.11%	17,620	0.12%
Media & Graphics Services		15,000	0.10%	15,000	0.10%	15,000	0.10%	15,000	0.09%	15,000	0.11%
Preserve Brochures/Reprinting		10,000	0.07%	10,000	0.07%	10,000	0.07%	10,000	0.06%	10,000	0.07%
SubTotal - Public Outreach:		46,120	0.32%	46,120	0.30%	46,120	0.32%	46,120	0.29%	46,120	0.32%
Resource Data											
Operating Expenses											
Office Supplies		4,000	0.03%	4,000	0.03%	4,000	0.03%	4,000	0.03%	4,000	0.03%
Operating Supplies		6,000	0.04%	6,000	0.04%	6,000	0.04%	6,000	0.04%	6,000	0.04%
GIS Projects											
LCWA Web Site Upgrades		2,500	0.02%	2,500	0.02%	2,500	0.02%	2,500	0.02%	2,500	0.02%
Network Maintenance		10,000	0.89%	5,000	0.03%	7,500	1.00%	8,500	0.05%	9,500	0.07%
Lake County Water Resource Atlas		26,000	0.18%	27,000	0.18%	27,500	0.19%	27,500	0.17%	27,500	0.19%
Communication Services		12,000	0.08%	11,500	0.08%	11,000	0.08%	13,000	0.08%	15,000	0.11%
GIS Equipment											
Workstation Replacement		5,000	0.03%	5,000	0.03%	3,000	0.02%	6,000	0.04%	7,000	0.05%
Supplies and Equipment		3,000	0.02%	3,000	0.02%	3,000	0.02%	3,000	0.02%	3,000	0.02%
NAS Server											
GIS Software, Training and Maintenance											
Software Maintenance, Training and Upgrades		5,000	0.03%	5,000	0.03%	5,000	0.03%	5,000	0.03%	5,000	0.04%
LCWA Network - Software and Hardware Upgrades											
Office Server Upgrades (Hardware)		4,500	0.03%	4,500	0.03%	5,000	0.03%	4,500	0.03%	6,000	0.04%
Office Software Upgrades		3,000	0.02%	3,000	0.02%	3,000	0.02%	3,000	0.02%	3,000	0.02%
New Staff PCs Upgrades		5,000	0.03%	5,000	0.03%	5,000	0.03%	5,000	0.03%	5,000	0.04%
Network and Connection Upgrades		15,000	0.10%	10,000	0.07%	10,000	0.07%	8,800	0.06%	9,000	0.06%
SubTotal - Resource Data:		101,000	1.52%	91,500	0.60%	92,500	1.59%	96,800	0.61%	102,500	0.72%

FY	2020-21	%	2021-22	%	2022-23	%	2023-24	%	2024-25	%
Comm. Redev. Trust Fund Reimbursement	276,098	1.91%	284,381	1.86%	292,912	2.05%	301,699	1.90%	310,749	2.18%
Contingency and Fund Balance										
Fund Balance - End of Year	200,000	1.38%	200,000	1.30%	200,000	1.40%	200,000	1.26%	200,000	1.40%
NuRF Closure Reserve	850,000	5.88%								
Alum Reserve	2,500,000	17.28%	2,575,000	16.80%	2,652,250	18.56%	2,731,818	17.24%	2,832,318	19.88%
Surplus of Water Authority Property										
Self-Insurance Reserve	257,500	1.78%	265,225	1.73%	273,182	1.91%	281,377	1.78%	291,877	2.05%
Water Authority Building Maintenance Fund	25,750	0.18%	26,523	0.17%	27,318	0.19%	28,138	0.18%	29,188	0.20%
Contingency Reserve	200,000	1.38%	250,000	1.63%	300,000	2.10%	350,000	2.21%	400,000	2.81%
	4,309,348	29.79%	3,601,129	23.50%	3,745,662	26.22%	3,893,032	24.57%	4,064,132	28.53%
<i>Total Expenditures</i>	14,466,787	1	15,326,901	1	14,287,930	1	15,847,522	1	14,246,722	1
<i>Difference: Revenue - Expenditures</i>	1,125,428		-824,292		752,685		-1,102,046		993,898	



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