# Appendix A

June 12, 2013 WRIA Kick-Off Meeting Agenda, Summary and Participant List

June 13, 2013 WRIA Field Visit Agenda and Summary

Threats, Needs and Recommendations (summary from kick-off meeting)

**MEETING SUMMARY**

**Water Resources Inventory and Assessment (WRIA) for Lower Suwannee National Wildlife Refuge**

**Meeting Date:** Wednesday, June 12, 2013 (8:30 AM – 5:00 PM) Eastern

**Meeting Location:** USGS Southeast Ecological Science Center
7920 NW 71st Street, Gainesville, FL 32653

## Meeting Purpose:

1. Provide an overview of the WRIA process including outcomes, and timelines for completion
2. Identify expertise, data, information, contacts, etc. for various sections within the WRIA process
3. Begin the WRIA process at Lower Suwannee NWR
4. Collaborate and share information/data about the river, refuge, management issues and other related work happening in the watershed including public education/outreach.
5. Meeting products – list of immediate, short-term, and long-term threats to the Suwannee River basin, along with recommendations and data needs related to those issues

## Goals and Objectives:

**WRIA -** The goal of the National Wildlife Refuge System (NWRS) Water Resources Inventory and Assessment (WRIA) effort is to provide up-to-date, accurate data on Refuge System water quantity and quality in order to acquire, manage, and protect adequate supplies of clean and fresh water.

a. Achieve a greater understanding of existing refuge water resources
b. Identify data needs, concerns, and threats to those resources at multiple spatial and temporal scales
c. Provide a basis for refuge management actions and operational recommendations

## Meeting Agenda:

8:30 AM – 10:30 AM – Welcome, Meeting Logistics, and Introductions

- Welcome / Housekeeping (Theresa Thom, FWS)
- Introductions (all)
- Brief introduction to the refuge and its management history (Andrew Gude, FWS)
- Overview of the Suwannee River, including biological resources, past disturbance, future threats, personal experience, long-term view of the Suwannee River (Ursula Nash, USGS; Steve Walsh, USGS; Theresa Thom, FWS; all participants)

10:30 AM – 10:45 AM (BREAK)

10:45 AM – 12:00 PM – Water Resources Inventory and Assessment (WRIA) Process

- Introduction, goals, timeline and data needs for WRIA process (John Faustini, FWS)
- WRIA components, data sources and initial data collected for Lower Suwannee NWR (Rebecca Burns & Mark Register, Atkins)
    - Discussion: Region of Hydrologic Influence (RHI) to incorporate for WRIA process
    - Discussion: data, data gaps, potential sources, contacts, management issues, timeline, etc.

12:00 PM – 1:30 PM – (LUNCH) – on your own (several places to eat 2-3 miles away)

1:30 PM – 5:00 PM – Water Resource Inventory and Assessment (WRIA) Process (continued)

- Discussion of water resource issues of concern, recommendations, potential solutions (all)
    - **Urgent/immediate** issues, recommendations, solutions, data needs
    - **Long term** issues, recommendations, solutions, data needs
- Discussion and populating of the WRIA spreadsheet data items (group contributions)
    - Identify data gaps, potential sources, contacts, management issues, timeline, etc.
    - Assignments for data needs, milestones, etc.
- Dates for future meetings/follow-up for WRIA and other action items

## Attendees:

*Indicates those who participated by phone/webinar, others participated in person in Gainesville, FL.

| Last Name | First Name | Affiliation(s) | E-mail |
|---|---|---|---|
| Adler | Jenny | University of Florida | jennifermadler@ufl.edu |
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| Dziergowski | Annie | USFWS - Jacksonville | annie_dziergowski@fws.gov |
| Faustini | John | USFWS - Regional Hydrologist | john_faustini@fws.gov |
| Foster | Ann | USGS – Southeast Ecological Science Center | amfoster@usgs.gov |
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| Greenhalgh | Tom | Florida Geological Survey | tom.greenhalgh@dep.state.fl.us |
| Gude | Andrew | USFWS – Lower Suwannee NWR | andrew_gude@fws.gov |
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| Sagan | Jennifer | AMEC | jennifer.sagan@amec.com |
| Seavey | Jennifer | University of Florida and Seahorse Key Marine Laboratory | jseavey@ufl.edu |
| Sgambati | Maria | http://mariasgambati.com/ | maria@mariasgambati.com |
| St. Aubin | Channing | USFWS - Panama City Field Office | Channing_StAubin@fws.gov |
| Sulak | Ken | USGS – Southeast Ecological Science Center | ksulak@usgs.gov |
| Thom | Theresa | USFWS - Inventory & Monitoring | theresa_thom@fws.gov |
| Thomas | Hugh | FL Dept. of Agriculture - Office of Agricultural Water Policy | Hugh.thomas@freshfromflorida.co |
| Walsh | Steve | USGS - Southeast Ecological Science Center | swalsh@usgs.gov |
| Warren | Gary | FL Fish and Wildlife Conservation Commission | gary.warren@myfwc.com |
| Williams | Jim | USGS (retired); FL Fish and Wildlife Conservation | fishwilliams@gmail.com |
| Willson | George | Willson Consulting, LLC, The Conservation Fund, Audubon | willsonconsult@gmail.com |

## Meeting Summary:

Andrew Gude (FWS – Lower Suwannee NWR Project Leader)

**Introduction to Lower Suwannee NWR:**

- There are not many on-refuge threats (e.g., invasive species, hog hunting, sea level rise and climate change, water quantity and quality).
- The refuge's water quantity hasn't been significantly studied; however, the resources rely on flooding of forest and adequate water supplies.
- There is a significant amount of data on water quality and quantity in the Suwannee River, including modeling; however, it may not be comprehensive and it has not yet been examined holistically. A transparent discussion of these issues in a forum of experts ("brain trust") is needed to start coming up with some answers.
- The refuge not actively monitoring saltwater intrusion, but is "eyeballing" vegetation changes. The city of Cedar Key had to move its wellfield pretty far inland. Franklin Percival has some minor transects in the marsh from exposed water to uplands that could hopefully be used to monitor saltwater intrusion impacts in the future. Ken Sulak and Gary Mahon (USGS) did a multi-year study and produced a report on saltwater intrusion modeling (online) that is probably the best research completed to date. There are two USGS professional papers: one on estuary and one on forested wetlands where they looked at increased stage in floodplains.
- Aside from sea level rise, other anticipated changes to the watershed from climate change include warmer temperatures, increasing evapotranspiration rates, changes in rainfall and changes in land use. (some research currently underway with University of Florida –Dr. David Kaplan)
- There is a large amount of land within the basin that is in the public trust so inland migration is possible, as a potential solution to sea-level rise (SLR).
- The local economies within the basin rely heavily on the provision of ecosystem services and all local water users, from individuals to businesses, have concerns about water quality and quantity.

Ursula Nash (USGS) – highlights of work with Nate Johnson and mussel populations

**Suwannee River Basin Analysis – Factors Affecting the Status and Distribution of Imperiled Species**:

- The study area includes the upper, middle and lower Suwannee River as well as the Withlacoochee, Santa Fe and New rivers.
- In Florida a positive El Nino Southern Oscillation (ENSO) means cool, wet winters and negative means dry winters and springs.
- This study compared the historic droughts in the 1950s (worst on record) with what is going on today.
    - The 2000-2009 drought was pretty severe, but not as bad as the 1950s. However, precipitation similar from 1950s to 2000s.
    - In 2010-2012 there was more rain in Florida, a little less in Georgia.
- This study compared land use in Florida from 1995 and 2008.
    - Seventeen land use (LU) classes were assigned to the 12-digit subwatersheds (HUC-12s).
    - Decrease in forest cover in the upper/middle basin and an increase in the eastern lower basin, but not near the estuary. There were decreases along I-75 between Gainesville and Lake City.

  - Increase in pine plantations in the upper basin and decreases near the Ichetucknee River.
  - Large population and residential development increases in 2000s around I-75.
  - Population (based on census data from 2000 to 2010) increased in Jacksonville, Tallahassee, Valdosta and Alachua, Marion and Clay counties.
  - Future population projections for 2030 show increases in Leon, Marion and Alachua counties as well as slight increases in the center of the basin, around Lake City.
  - Increase in cropland/pasture class around Ichetucknee River, Withlacoochee confluence with the Suwannee River and lower Suwannee River Basin. Decrease around I-75 corridor.
  - Dairy/Cattle/Poultry/Swine (CAFOs) increased in Lafayette and Fieldcrest counties, Trenton (middle basin) and Withlacoochee.
  - Open land class (cattle grazing) increased in Hamilton County (mining area reclamation) and the headwaters of Santa Fe River; decreases in middle and lower Suwannee.
  - Combined CAFOs, cropland and open land classes increased in the lower Withlacoocheee (which has periods of being dry) and Ichetucknee rivers.
  - There has been an increase in cattle in the basin since Kissimmee River operations were bought out and moved north in 1990s.

- Discharge data from USGS gaging stations on the Suwannee, Withlacoochee and Santa Fe rivers were analyzed as part of the study.
  - 1999-2002 showed a general downward trend, even though there was more precipitation (river levels are not recovering), particularly evident in the Santa Fe.
  - From 2003-2012 the downward trend (in river levels) continued.
  - Q7,10 is an estimate of the average flow expected in 7-day period with a recurrence interval of 10 years. It is a good indicator of low flow conditions during drought. The number of occurrences below the Q7,10 drastically increased from the 2000s through 2012.
  - Approximately 40% of the low flow measurements occurred between 2006 and 2012.
- There are unique interactions between precipitation and river flows, groundwater use, and groundwater levels.
- The number of wells (residential and irrigation) has increased, but started to decrease in the mid-2000s. (SRWMD data on well installations - need for cumulative well data)
- The change in irrigation (as a percent area of irrigated land) decreased in the lower Suwannee from 1992-2007, but increased substantially in Georgia. – USDA irrigated land data
- Water use in the St. Johns River Water Management District (WMD) has decreased since 1995 but the 2030 projected numbers are much higher. Use for agriculture is decreasing but other land uses are increasing in usage. The Jacksonville Electric Authority (JEA) has a permit to increase well pumping 142 million gallons per day (MGD) to 155 by 2031 (with reclamation this number could increase to 162.5 MGD).
- Overall water use in the Suwannee River WMD is stable; however, the Floridan aquifer groundwater divide in the Suwannee River Basin has shifted inward with the loss of recharge zones. The Keystone lakes are drying up. When there is input to the system, it is shifting east to Jacksonville (not the Suwannee River Basin) because of extensive pumping from the east. They first detected that Jacksonville was sucking water to the east in 1980s. There is a permit pending for Adena Springs Ranch in Marion County (large cattle operation).

  - Questions about water use in the Suwannee and St. John's WMD – with major withdrawals in the Santa Fe and New River, also Lusty Creek
  - Also concern that land use change, reduction of replanting, that recharge zones of groundwater is different with various soil types, and loss of forest to center pivot Ag. In Suwannee esp. Hamilton, Dixie, LaFayette, and the conversion of timberlands to Ag. lands

- Palmer Drought Severity Indices are increasing and becoming more severe. Withdrawals are increasing for agriculture and other human demands from growing population.
- Stochastic events, such as releases from Georgia wastewater treatment plants (WWTP) caused by flooding, increase nutrients and decrease dissolved oxygen.(causing water quality issues)
- There are two federally-listed aquatic species in basin: the oval pigtoe mussel (*Pleurobema pyriforme*) and the Gulf sturgeon (*Acipenser oxyrinchus desotoi*). There are also two candidate species for listing: Suwannee moccasinshell (*Medionidus walkeri*) and the Southern lance (*Elliptio ahenea*).
- There is phosphorus mining in Hamilton County and sand mining in Bradford County (headwaters of New River) in the upper Suwannee River Basin.
- The primary areas of concern are the Withlacoochee and New rivers, and the upper and middle portions of the Suwannee River.
- There is a decrease in discharge from Okefenokee Swamp.
- The next steps for this study are to assess how land use has changed since 2008, how quickly populations will increase and how this will affect trust species, water quality, and water demand in the basin.
- Other issues include flashiness of flows and extreme events – to evaluate flashiness and not just base flow work.
- The Suwannee River WMD is currently preparing a report on the minimum flows and levels (MFL) for Lower Santa Fe River.
- Forest is also being lost to center pivot irrigation (Ellaville). The Adena Springs buyer is buying thousands of acres in Dixie County. Need to look at the increase in consumptive use permits for intensive agriculture in the lower Suwannee River Basin.

Steve Walsh (USGS)

**Aquatic Faunal Biodiversity in Suwannee River Basin:**

- This presentation focuses on less charismatic fauna (not megafauna) in the Suwannee River Basin.
- Florida is a hotspot for biodiversity associated with karst. Historical sea levels have a lot to do with the flora and fauna of Florida (see "The Geology of Florida").
- The Suwannee River Basin has three distinct sections, around which biological distributions are centered.
  - Upper basin: confined aquifer, numerous surficial features, highly tannic, low pH
  - Middle basin: semi-confined to unconfined, pH rises
  - Lower basin: unconfined; estuary and intermix of surface and submarine groundwater
  - The Cody scarp is an ancient coastline where the Santa Fe River goes underground. It is a defined area for aquatic faunal distributions (and chemistry – tannic water)

- Information on imperiled species (in this presentation) comes from the following sources:
    - Lists of federally threatened and endangered species
    - Lists of state threatened and endangered species
    - American Fisheries Society lists of imperiled fish, crustaceans and mollusks (independent of federal agencies)
    - Center for Biological Diversity's petition for the USFWS to list 404 aquatic, riparian and wetland species in the Southeast U.S., which relies on NatureServe and IUCN red list rankings.
- Imperiled species in this presentation were compiled from the above sources for the area from Okefenokee Swamp (not inclusive) to the Suwannee River estuary but not including marine or brackish species – although the presentation does include sea turtle species.
    - 47% of the mussels in the basin are imperiled (no federally-listed gastropods), 35% of crustaceans and 41% of turtles (including sea turtles).
    - There is one federally-threatened crustacean (Squirrel Chimney Cave shrimp – [or Florida cave shrimp] *Palaemonetes cummingi*). http://www.fws.gov/northflorida/Species-Accounts/PDFVersions/Squirrel-Chimney-Cave-Shrimp-2005.pdf (potentially extinct)?
    - There is a lot of diversity in Stygobiont assemblages (aquatic cave obligate species) in the Suwannee and St. Johns rivers. Florida has the most diverse cave crayfish species diversity, centered in the Suwannee River Basin. Many endemic snails, crayfish, amphipods, isopods, and other crustaceans.
    - The Gulf Sturgeon is the only federally-listed fish in the basin. Marine invaders freely move in and out of karst systems in Florida.
    - There are no listed frogs or snakes in the basin, one federally listed salamander (frosted flatwoods salamander) and one candidate (striped newt).
    - The spotted bullhead catfish is endemic to the Suwannee River; there are a few in the Ochlocknee River.
- Past and Present Studies in the Basin:
    - Fred Thompson's identification manual for Florida is gastropods available at: http://www.flmnh.ufl.edu/natsci/malacology/fl-snail/snails1.htm.
    - Ken Sulak has been studying sturgeon for the last several decades and just put out a publication in March 2013 (bibliography of all Gulf sturgeon publications). Another paper (Categorical Habitat Attribute Acceptability Tool) describes a decision-making tool that would look at what habitat attributes are important. It could be applied to any system or species to help with management decisions. It will be available in the near future.
    - In 2011 a report of mussel surveys on the Santa Fe River (O'Leno State Park, Worthington Springs) was published.
    - As part of the Florida Springs Initiative (April 2003), Steve Walsh and Jim Williams published an inventory of fishes and mussels in the springs in North-Central Florida state parks, including three parks in the Suwannee Basin and nine in the St. Johns River basin.

Endemic species documented included spotted bullhead, Suwannee bass, etc. The Suwannee River and Ochlocknee Rivers were clustered in relation to fish diversity.

- The USGS has an Amphibian Research and Monitoring Inventory (ARMI) program (Jamie B) that is surveying and monitoring herpetofauna within the Southeast, focusing on refuges. The 2005 report surveyed the Savannah, St. Marks, Harris Neck and Lower Suwannee River refuges.

- Threats to Aquatic Fauna in the Basin (Florida Wildlife Commission):
  - Water availability, increasing groundwater withdrawals
  - Droughts, long-term climate change
  - Possible interbasin transfers (drawing water towards Jacksonville)
  - Nutrients (high algae on Santa Fe during low flow periods)
  - Recreational impacts
  - Invasive species (Cuban tree frog, armored catfish in Santa Fe, carp)
  - Habitat conversion
  - Concentrations of low dissolved oxygen, especially during algal blooms

John Faustini (USFWS – Region 4 Hydrologist)
**WRIA Process:**

Rebecca Burns (Atkins)
**WRIA Components, Data Sources and Initial Data Collected:**

**Next Steps and Final Thoughts:**

- Consolidate threats, recommendations and data needs
- Send meeting summary out for review, along with data spreadsheet and attendance list
- There will be no group conference calls; follow up will be via email
- Theresa will send a link to the Lower Suwannee River NWR WRIA SharePoint site for those who want access
- The presentations will be posted on the SharePoint site
- Andrew Gude would like this work to tie in with Restore Act funding; he is hoping to capitalize on other conservation efforts in the Big Bend region. He is committed to finding ways for the federal government to support research projects underway. Others mentioned tying in with U.S. Army Corps of Engineers funding, Gulf sturgeon restoration funding, Natural Resources Conservation Service (NRCS) work and National Oceanic and Atmospheric Administration (NOAA) projects.
- Several people mentioned the need to find ways to communicate this work to the public (contacting Charlie Dean – state senator and natural resources leader, link to refuge on Paddle Florida website, National Blueways designation for Suwannee River, USFWS avenues for public involvement, smart phone application for refuge, contacting Dana Bryan with Florida state parks about media/advertising, etc.).

| IMMEDIATE | MID-RANGE | LONG-TERM |
|---|---|---|
| Present day to … 365 days (1 year) 5 years? | 1 to 20 years? | 20 + years to infinity (2100) |
| THREAT: Groundwater withdrawal(s) / pumping; Agricultural use, urban use, industrial use<br><br>RECOMMENDATION: How much water being pumped from wells (USGS study remote sensing ACF, pilot study to monitor electric meter use); comparison of spring discharge with well use<br><br>DATA NEED(S): number of wells | | |
| THREAT: Urban / industrial development in groundwater recharge areas<br><br>RECOMMENDATION: Incentivize land uses that encourage recharge (long leaf pine reestablishment), encourage municipalities to do karst-sensitive development through land use ordinances, incentivize counties to develop comprehensive plans with other counties (at WMD level), BMPs (pervious surfaces, capturing rainfall and reuse, Florida friendly yards)<br><br>DATA NEED(S): Current land use, land cover data (minimum of 5 years), mapping of recharge areas, aquifer vulnerability assessments, modeling of land development practices (2008/09) – keeping track of changes through BMPs | | |
| THREAT: Nitrate nitrogen (runoff from agriculture)<br><br>RECOMMENDATION: BMPs, monitoring in estuary, develop advanced BMPs when existing BMPs not adequate, fundamental data on groundwater depletion and nitrate (DEP deploying nitrate monitors – tie in with USGS gages to ID sources and fate and determine levels that stimulate algal blooms, DO monitoring at nighttime) | | |

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| DATA NEED(S): adequate application rates for crops at given times, BMP effectiveness monitoring (currently compliance assumed with implementation), DEP nitrate sensors in SW Alachua County | | |
| THREAT: Water storage in the Floridan aquifer (need more water storage)<br><br>RECOMMENDATION: Capturing excess flows and reinjection (eg Peace River), filling in drainage ditches (Dixie County) – WRP programs, water storage on farmlands (Everglades), releases that mimic natural hydrology<br><br>DATA NEED(S): seasonal flow dependency of ecosystem (understand flow ecology relationships, cycling between high and low flows) | | |
| THREAT: Eutrophication | | |
| THREAT: Climate change | | |
| THREAT: Sea level rise | | |
| THREAT: Salt water intrusion | | |
| THREAT: Bacterial (fecal coliform TMDL) | | |
| THREAT: Overuse (springs physical perturbation from recreation) | | |
| THREAT: Overfishing | | |
| THREAT: Land use changes/urban development | | |
| THREAT: Transfer of land uses from south Florida to Suwannee River Basin | | |
| THREAT: Dairy farms | | |
| THREAT: Septic tanks | | |
| THREAT: DO levels from eutrophication | | |

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| THREAT: Riparian protection (clearing of land right to river, sedimentation) | | |
| THREAT: WQ standards | | |
| THREAT: Suspended sediments as threat to biota | | |
| THREAT: Habitat connectivity | | |
| THREAT: Loss of native biodiversity | | |
| THREAT: Groundwater quality (taking older, deeper water with lower DO levels, aquifer processes, denitrification) | | |
| THREAT: Invasive species (flora and fauna) | | |
| THREAT: Human health impacts (physical, psychological from loss of habitats)<br><br>RECOMMENDATION: fundamental data on nitrates (see above) | | |
| THREAT: Ecosystem function and service with regard to biodiversity and habitat | | |
| THREAT: Habitat conversions from climate change | | |
| THREAT: Maintaining viable economy given dependence on water quality | | |
| THREAT: Watershed alteration for management (drainage, dams, pumping) | | |
| THREAT: Interbasin water transfer | | |
| THREAT: Bottled water | | |
| THREAT: Atmospheric deposition (mercury) | | |
| THREAT: Mining | | |
| THREAT: Storm surges | | |
| THREAT: Wetland changes | | |
| THREAT: Flashiness | | |
| THREAT: Unknowns | | |

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| THREAT: Sediment runoff from unpaved roads | | |
| THREAT: Loss of native vegetated habitat (rooted veg, snags) for lower trophic level organisms critical to food web/instream critical habitat | | |
| THREAT: Byproducts (pharmaceutical, endocrine disruptors, chemical products, personal care products such as sunscreens) from recreational use and impacts on species diversity (hormones) (CONTAMINANTS) | | |
| THREAT: Pesticides (endocrine disruptors) | | |
| THREAT: Groundwater pumping and land use activities have altered groundwater chemistry (higher chloride levels) | | |
| THREAT: Nitrogen runoff (infiltration) from urban environments | | |
| THREAT: Valdosta WWTP as point source | | |
| THREAT: Dumping in streams (ex Brian Katz Freon study) | | |
| THREAT: Geomorphic changes from armored catfish (damage to banks, sedimentation) | | |
| THREAT: Phosphate mining in northern basin | | |
| THREAT: Phosphorus runoff from urban environment | | |
| THREAT: Change in forest stewardship practices and climate leading to drying (biogeochemical process changes as a result of changing stewardship)<br><br>RECOMMENDATION: Work with USDA, farmers on management practices, incentives for BMPs | | |
| THREAT: Change from silviculture to high intensity agriculture (corn, peanuts) – issue for both use and quality | | |
| THREAT: Water temperature | | |
| THREAT: Ecosystem shifts from marsh to mangroves | | |

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| THREAT: Surplussing of conservation lands along riparian borders (FL) | | |
| THREAT: Shortstopping of water in GA (dams) – loss to evapotranspiration, increasing temperatures, altered timing, channelization and resulting sedimentation (GA publication on water supply impoundments) | | |
| THREAT: Extreme channel and bank modification destabilizing sediments as habitat for benthic organisms | | |
| THREAT: Changing historic flows and impacts on sediment destabilization | | |
| THREAT: Thinking the system can sustain us and all of our activities but we are vulnerable | | |
| THREAT: Energy development | | |
| THREAT: Shifting demographics and economy | | |
| THREAT: Population growth in SRB and adjoining /adjacent basins (Jax, Orlando) | | |
| THREAT: Commercial and economic uses in growing areas and impacts on water supply, quality (outside the basin) | | |
| THREAT: Destabilization of marshes from climate change, SLR, salinity, dredging, physical impacts (wave activity) | | |
| THREAT: Historic flows and hydroperiod – impacts on fisheries, etc. (ecological sense of the water flow) – loss of natural variability | | |
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**Water Resource Inventory and Assessment (WRIA) process**
Lower Suwannee National Wildlife Refuge – Site Visit
Thursday, June 13, 2013 (8:00 AM – 2:00 PM)

**Field Visit Purpose:**

- Get outside and see the "heart of the refuge" (the Suwannee River)
- In a small group setting, focus on refuge specific management issues related to, and influencing water resources
- Discuss specific needs (resources, data, information, etc.) to better inform decisions/actions at the refuge scale
- Discuss options for specific collaboration with USFWS, USGS, Univ. of FL, and other partners
- Outline process / ideas for Refuge involvement with watershed issues

**Agenda:**
8:00 AM - Load up boat and head out from Refuge on the Lower Suwannee River

Explore various sites along the Lower Suwannee River – from more forested sites to lower reaches dominated by tidal saltmarsh. The main goal of the field trip is to be outside on the river. It is about a 17 mile boat ride from the refuge landing to the estuary which can take at a minimum 30 minutes. Various stops will highlight management issues directly and indirectly influencing water resources at the refuge. There might be some terrestrial stops along the way. The agenda for the field trip is informal, but dialogue will hopefully be inspired by the resource!

2:00 PM - end tour and depart

**Rain Plan:** Driving tour (land-based) highlighting management issues relevant to water resources
**Things to Bring:** Lunches, water, sunscreen, bugspray, rain gear, camera, notebook(s), etc.
Refuge Phone #: (352) 493-0238

**Refuge Tour – General Notes:**

- The refuge is implementing a new time schedule. It will be closed from dusk to dawn.
- One partial impoundment is found on the refuge. There are two water control structures, one of which is somewhat active. There are lots of culverts. There is an infrastructure GIS layer that includes everything, including all culverts. GIS data may not be up-to-date with what has actually been burned.
- Roads are all old logging roads (developed for access to timber) that are maintained for access. The refuge has "fire units" – forestry and fire don't always talk to one another.
- When the water levels are high the Dixie Mainline road floods.

- The Lower Suwannee MFL study identified subbasins in the Econfina-Steinhatchee. George Willson provided hard copy of "Lower Suwannee River and Gulf Watershed Conservation Easement" report that delineates subbasins.
- The history of land use on the refuge is logging → ranch → tree farm → refuge. Everything has been bedded, all ponds are bermed, the river edge was bermed to plant trees. There are 4,000 acres of upland that were manipulated for tree planting with ditches and hills.
- Only one major drainage ditch that doesn't parallel a road on the refuge. This drainage ditch drains to a creek. Other ditches are roadside drainage ditches. All roads act as drains. There are spoil berms throughout the refuge. Some are along the river but there is no inventory of them. This would affect the hydrology of the refuge slightly during smaller rising and falling water events.
- An active river gage is found on in the river within the refuge boundaries.
- The river is tidally influenced. Tide can fluctuate 4 – 5 feet. The river is incredibly low gradient/low energy. Have to go 40 miles to get to 60 feet.
- The refuge doesn't get much rain.
- The Vista/Cummer tract is the oldest growth tract. It hasn't been cut in 60-80 years.
- The USGS monitors sturgeon using buoys that track them when they swim past.
- Oyster beds/bars are disappearing. Hypotheses include water quality, overharvesting and reduced freshwater flow.
- The estuarine marsh is moving upriver due to overstory die-off. Die-off is due to higher levels of saltwater inundating the site → due to lower freshwater flows or sea level rise or combination of both? Salt from the water gets trapped in the soils, making it unsuitable for some vegetation species. Creates a buildup of salt in the soils. Cypress stumps are present in the marsh – no telling their age.
- The Asbow Tract/Fletcher's Landing (10 acres) is owned by the SRWMD and has primitive camping. It is managed by the USFWS. Was clearcut.
- Floodplain forests along the river varied in age. Most of the trees looked to be in the 80-120 yo range. Clearcut near SRWMD primitive campsite was a lot younger. The Streamside Management Zone looked to buffer the river well. There looked to be no erosion due to the very slight topo change. Road to the river was stabilized well.
- There are inholdings throughout the refuge, including the island that is for sale on Dan May Creek.
- Hogs are abundant on the refuge.
- Daniel Barrand, refuge forester, is going to send a lot of refuge GIS information. Mark has already sent him a link to the Atkins sharing server.
- Refuge goals for uplands – currently, a lot are older planted slash pine.
    - Restore native groundcover through the use plantings (plugs, seed) and prescribed fire.
    - Restore longleaf pine.
    - Restoring upland "islands" found in floodplain forests
- The refuge would like a salinity gage just upriver from the East and West Pass split.
- Two wells are on the site. One is on the east side of the river, one is on the west side.

Other Contacts for Lower Suwannee NWR WRIA:

- David Hornsby – St. Johns WMD
- Jennifer Sagan – transects on Suwannee River for biological monitoring. Also FEMA mapping for basin – she will check on LiDAR.
- Bryan Katz – study of Freon isotopes at 30 sites in Suwannee River Basin
- Jones Center – Elizabeth Blood – center pivot effects on groundwater
- Trey Grubbs – surface water data
- Jack W, Bob Haykey – SRWMD
- Kathleen McKee – bibliography of publications
- Tony Countryman – groundwater in NWFWMD
- Darlene Blum – NWIS sites (tell Gary Mahon what we need and he will reach out to Darlene first)
- Charlie Houder - ?

# Appendix B

Portions from Appendix B from the Comprehensive Conservation Plan (CCP) for Lower Suwannee and Cedar Keys NWRs, specifically key issues and concerns summarized from the public scoping process.

[USFWS] U.S. Fish and Wildlife Service. 2001. Comprehensive Conservation Plan for Lower Suwannee and Cedar Keys National Wildlife Refuges. Accessed 3 April 2013. Available from: http://digitalmedia.fws.gov/cdm/ref/collection/document/id/628.

# Appendix B

## *The Public Involvement Process*

The scoping process concerning the future management of the Lower Suwannee and Cedar Keys National Wildlife Refuges consisted of two meetings, two stakeholder workshops, and a comment packet. The first public scoping meeting was held on July 27, 1999. The participants (24) were invited as potential members of the comprehensive conservation plan stakeholders' team. The second public scoping meeting on September 21, 1999, was widely advertised and the participants (approximately 40) represented user groups and the general public. The scoping meeting goals were to:

- Present background information about the National Wildlife Refuge System and about the Lower Suwannee and Cedar Keys National Wildlife Refuges, in particular;
- Present the mission of the National Wildlife Refuge System to the participating public;
- Present the planning process required to develop the comprehensive conservation plan; and
- Provide opportunities for the public to share their thoughts about the refuge by sharing comments at the scoping meeting and by returning an individual comment sheet.

During the welcoming comments, the refuge managers presented a thorough and engaging overview of the refuges and the comprehensive conservation planning process. These presentations included a video on the National Wildlife Refuge System entitled, "America's National Wildlife Refuge System, Where Wildlife Comes First," and a slide presentation on both Lower Suwannee and Cedar Keys National Wildlife Refuges. Comment sheets on which participants could individually respond to key issues concerning the future management of the refuges were passed out and explained. The refuge managers asked for the comment sheets to be returned by October 21, 1999.

After the presentations, the facilitator asked the participants to work in self-selected sub-groups. Three sub-groups were formed (at both meetings) and each group met for 50 minutes discussing the future management of the refuges. Each sub-group selected a recorder who wrote the major comments of each individual.

Attachment One is a summary of the major issues and concerns raised in both meetings. Attachment Two presents the unedited easel paper notes from the meeting on September 21, 1999, and Attachment Three contains the notes from the July 27, 1999, meeting. Since there was no attempt in the sub-groups to create consensus suggestions, some of the comments generated in the sub-groups were diametrically opposed to each other. During the final comments, participants appreciated the chance to hear the comments of others. Also during the scoping process, two stakeholder workshops were held. The first workshop was held on August 12, 1999, with 26 participants representing the following groups: Fish and Wildlife Service; Florida Fish and Wildlife Conservation Commission; Florida Department of Environmental Protection; Florida's Nature Coast Conservancy; Save Our Suwannee; Cedar Key Garden Club; University

of Florida; Cedar Key Historical Society; Development Advisory Services, Inc.; Cedar Key Chamber of Commerce; Nature Coast Canoe and Kayak; Suwannee River Chamber of Commerce; and the Suwannee River Water Management District. The purposes of the workshops were to develop vision statements for each refuge and to review a comment packet that would be distributed to the public.

Following the September public scoping meeting, another stakeholder workshop was held to discuss the range of reasonable alternatives that the planning team should consider. The 16 participants at this meeting created a framework for goals, objectives, and strategies to be developed within the comprehensive conservation plan. Stakeholders at this meeting represented the Fish and Wildlife Service; Florida Department of Environmental Protection; Save Our Suwannee; Florida Fish and Wildlife Conservation Commission; Cedar Key Garden Club; Suwannee River Chamber of Commerce; Suwannee Audubon Society; and the Suwannee River Water Management District.

The final mechanism used to gather public input was a comment packet (Attachment Four). This packet contained general information about the refuges; management statements to agree or disagree with; open-ended questions which allowed the respondent to elaborate on the values, issues, and concerns of the refuges; and a mailing request form and release. This packet was available at the public meeting (September 21, 1999), from the refuge office, and on the Internet at the refuge's web site. A total of 250 packets was distributed at the public meeting, at community meetings, and from the refuge office. It is unknown how many packets were viewed or printed from the Internet.

Forty-three comment packets were returned to the refuge office. Several of these were printed from the refuge's web site. The data from these packets were analyzed and evaluated along with the comments from the public meetings and stakeholder workshops, and from letters received at the refuge office. All comments, whether written or oral, were given equal consideration during preparation of these comprehensive conservation plans. A planning update newsletter (Attachment Five) was developed and sent to all names on the mailing list (Attachment Six).

The following is a summary of what the public valued most about the refuges:

**Value Statements**

- Diversity of wildlife and habitats
- Quality of the ecosystem
- Water quality
- Natural, unspoiled, wild beauty
- Protection of plant and animal life and habitat, especially from development
- Serenity and isolation
- Public access
- Opportunities for wildlife-dependent recreation, especially hunting, fishing, wildlife observation and wildlife photography
- Research opportunities
- Environmental education programs
- Refuge staff
- Partnerships

Several key issues and concerns surfaced during the scoping process. The planning team reviewed the issues and concerns raised by the approximately 100 people who participated in the scoping process and in comments received in the 43 comment packets that were returned to the refuge office. This list was based on the team's knowledge of the area, information gathered during the scoping meetings, and written comments submitted by the public. Following each statement is the Service's response to the issue, concern, or recommendation.

## Key Issues and Concerns Summary

*Wildlife Habitat Management*

**WH1** Not enough is known about the wildlife or habitat of the refuges.

The plan addresses these deficiencies in the strategies developed for the wildlife and habitat management goals. These strategies outline a systematic approach for surveying and monitoring trust species and for evaluating refuge habitat management practices, such as forest thinning, restoration, and prescribed fire. The end result is a set of goals, objectives, and strategies to systematically collect and analyze data and tailor management programs to best meet the needs of the wildlife that use refuge habitats.

**WH2** Staff is needed to monitor and manage habitat for endangered species, migratory birds, and resident wildlife.

Lower Suwannee National Wildlife Refuge was established in 1979, but only recently received staffing and funding to begin monitoring trust species and to evaluate refuge habitats. Cedar Keys National Wildlife Refuge is an unfunded and unstaffed refuge. Neither station has biological staff dedicated to developing a comprehensive biological program. These comprehensive conservation plans outline an aggressive wildlife and habitat monitoring, management, and evaluation program to address this need. This program can only be achieved if appropriate staffing and funding are received.

**WH3** Staff should initiate research partnerships with U.S. Geological Survey and Suwannee River Water Management District to assist and expand water flow and water quantity impact studies on refuge habitat.

Within the comprehensive conservation plans, several strategies are identified to address this need. Dynamic partnerships with the Suwannee River Water Management District, the University of Florida, and other resource agencies would be developed and expanded. Partnerships throughout the 10,000-square-mile Suwannee River Basin would be fostered. The value of these partnerships lies in the increased opportunity to protect the Suwannee River ecosystem, the wildlife and habitats found within the basin, and to ensure water quality and quantity are protected.

**WH4** Staff need to monitor and manage impacts of human use on wildlife and habitat.

While the public valued the opportunities to participate in wildlife-dependent recreation on the refuges, there was an overwhelming concern that public use be monitored and managed. One suggestion centered around clustering public use areas within the refuges in order to limit degradation of resources to certain areas. Other areas would remain natural, without the development of public use facilities. The plan clusters public use areas and improves the facilities available in these areas. However, the plan also allows for the development of trails and facilities in other areas if wildlife compatibility is addressed.

Monitoring the impacts of public use will be accomplished through biological and habitat management programs. For example, an eagle's nest is located on North Key. The beaches of this island are open year round and the nest is located near the beach. If beach use (including wildlife observation, wildlife photography, and fishing) disturbs the nesting pair, then the area around the eagle's nest would be closed during the nesting season to ensure that wildlife use of the area has first priority.

**WH5** Management activities should preserve and restore refuge ecosystems.

Many of the lands acquired to establish Lower Suwannee National Wildlife Refuge were severely degraded or were intensively altered by land use practices. Thousands of acres of longleaf, native slash, and scattered loblolly pines were cut and replanted with genetically improved slash pine in plantations that were harvested on a 16- to 20-year rotation. In addition, thousands of acres of mixed pine/hardwood stands were converted to slash pine plantations. Intensive site preparation, which altered the understory vegetation, was needed to make these sites suitable for pine trees. Additionally, an extensive network of roads and ditches was developed to facilitate timber management. Finally, most of the forested land in the swamps and bottoms is second or third generation; there are only a few remnant stands of old growth timber.

The objectives and strategies listed under the habitat management goal outline a plan to restore native ecosystems. Strategies identified include reforestation with longleaf pine and wiregrass, silvicultural thinnings to reduce stand density and create more natural forest conditions, and prescribed fire to reduce woody stems and promote herbaceous understories which were historically present. The Forest Management Plan will address hardwood silvicultural management concerns as well.

Management of refuge habitats on Cedar Keys National Wildlife Refuge is opposite to management of Lower Suwannee National Wildlife Refuge. Cedar Keys Refuge has been protected from development since 1929, and four of the islands are designated as Wilderness Areas. Refuge habitats are pristine and for the most part, unaltered. With the exception of exotic plant removal, management of the islands has been "hands off." The comprehensive conservation plans outline strategies for preserving these delicate coastal ecosystems without using intensive management techniques.

*Public Use*

**PU1-LS** Lower Suwannee National Wildlife Refuge should continue to provide the public with compatible consumptive and non-consumptive uses and access in a manner that minimizes conflicts between user groups and does not significantly impact habitat.

The comprehensive conservation plan specifically addresses this need by clustering public use areas and by establishing non-hunting areas in both counties. One of the major concerns expressed by user groups was safety during the hunting season. Currently, the Shell Mound and River Trail areas in Levy County are closed to hunting. These areas are used by an estimated 60,000 visitors a year. The plan proposes closing the Shired Island and Fishbone Creek areas in Dixie County. These areas contain 194 and 58 acres of uplands, respectively, but are mainly characterized as coastal marsh. An estimated 40,000 visitors annually use these two areas. A portion (16 acres) of the Fishbone Creek area

# Appendix C

Station characteristics for gaging stations in the contributing watersheds of the Lower Suwannee National Wildlife Refuge and vicinity, Florida and Georgia. There are 149 USGS surface water quantity monitoring sites (stream, lake and spring gages and sites that were periodically measured for water levels) within the RHI. In 2011 and 2012, the USGS constructed a hydrologic database containing detailed streamflow information and analysis for 26 gage sites in contributing watersheds for Lower Suwannee NWR (See Section 5.3.1.1 – Hydrography, Table 15, and Figure 26 in the WRIA report; Buell 2012). This Appendix (Appendix C) gives more details about these stations, including the periods-of-record for gage height and discharge for these stations. Additional information can be found in Table 2A and Table 2B from Buell (2012).

Buell, G.R. 2012. Hydrologic and landscape database including figures and tables for Lower Suwannee NWR. Delivered to FWS (January 2012).

**Table 2*A*** . Station characteristics for gaging stations in the contributing watersheds of the Lower Suwannee National Wildlife Refuge and vicinity, Florida and Georgia.

[Major drainage boundaries and locations of U.S. Geological Survey (USGS) gaging stations shown in figure 1; USGS hydrologic subregions, hydrologic-subregion codes, hydrologic cataloguing units, and hydrologic-cataloguing-unit codes, listed as subheadings and also shown in figure 1; dms, latitude and longitude coordinates in degrees, minutes, and seconds; $mi^2$, square mile; ft, foot; gage location in relation to the refuge property: us, upstream; usds, upstream and downstream; ds, downstream]

| USGS station number | Station name | County and state | Latitude and longitude[a] (dms) | Hydrologic cataloguing unit[b] | Drainage area[c] ($mi^2$) | Datum of gage[d] (ft) | Gage location |
|---|---|---|---|---|---|---|---|
| **Suwannee (0311)** | | | | | | | |
| **Upper Suwannee (03110201)** | | | | | | | |
| 02314274[e] | Suwannee R at Sill nr Fargo, GA | Charlton, GA | 304814N, 0822503W | 03110201 | — | 117.00 | us |
| 023142741[e] | N Fork Suwannee R at Sill nr Fargo, GA | Charlton, GA | 304858N, 0822449W | 03110201 | — | 117.00 | us |
| 02314495 | Suwannee R ab Fargo, GA | Clinch, GA | *304227N, 0823221W* | 03110201 | 1,260 | 91.90 | us |
| 02314500 | Suwannee R (US 441) at Fargo, GA | Clinch, GA | *304050N, 0823338W* | 03110201 | 1,130 | 91.90 | us |
| 02315500 | Suwannee R at White Springs, FL | Columbia, FL | 301932N, 0824418W | 03110201 | 2,430 | 0.00[f] (48.54) | us |
| 02315550[e] | Suwannee R at Suwannee Springs, FL | Suwannee, FL | 302334N, 0825600W | 03110201 | 2,630 | 0.00 | us |
| **Alapaha (03110202)** | | | | | | | |
| 02317500 | Alapaha R at Statenville, GA | Echols, GA | 304214N, 0830200W | 03110202 | 1,400 | *76.77* | us |
| 02317620 | Alapaha R nr Jennings, FL | Hamilton, FL | 303553N, 0830424W | 03110202 | 1,680 | 0.00[g] (58.22) | us |
| **Withlacoochee (03110203)** | | | | | | | |
| 02318500 | Withalacoochee R (US 84) nr Quitman, GA | Brooks, GA | *304735N, 0832713W* | 03110203 | 1,480 | 84.30 | us |
| 02319000 | Withalacoochee R nr Pinetta, FL | Madison, FL | 303543N, 0831535W | 03110203 | 2,120 | 47.21 | us |
| 02319300[e] | Withalacoochee R nr Madison, FL | Hamilton, FL | 302856N, 0831435W | 03110203 | 2,240 | 0.00 | us |
| 02319394 | Withalacoochee R nr Lee, FL | Madison, FL | 302437N, 0831049W | 03110203 | 2,330 | 0.88 | us |
| **Lower Suwannee (03110205)** | | | | | | | |
| 02319500 | Suwannee R at Ellaville, FL | Suwannee, FL | 302304N, 0831019W | 03110205 | 6,970 | 27.22 | us |
| 02319800 | Suwannee R at Dowling Park, FL | Lafayette, FL | 301441N, 0831459W | 03110205 | 7,190 | 0.00 | us |
| 02320000 | Suwannee R at Luraville, FL | Suwannee, FL | 300559N, 0831018W | 03110205 | 7,280 | 0.00[h] (16.49) | us |
| 02320500 | Suwannee R at Branford, FL | Suwannee, FL | 295720N, 0825540W | 03110205 | 7,880 | 4.81 | us |
| 02323000 | Suwannee R nr Bell, FL | Gilchrist, FL | 294728N, 0825528W | 03110205 | 9,390 | 0.00[i] (3.60) | us |
| 02323500 | Suwannee R nr Wilcox, FL | Levy, FL | 293522N, 0825612W | 03110205 | 9,640 | -0.53 | usds |
| 02323592 | Suwannee R ab Gopher R nr Suwannee, FL | Dixie, FL | 292021N, 0830512W | 03110205 | 9,973 | -2.10 | usds |
| 291841-083070800[e] | East Pass Suwannee r nr Suwannee, FL | Levy, FL | 291841N, 0830708W | 03110205 | — | — | usds |

**Table 2*A* —continued**. Station characteristics for gaging stations in the contributing watersheds of the Lower Suwannee National Wildlife Refuge and vicinity, Florida and Georgia.

[Major drainage boundaries and locations of U.S. Geological Survey (USGS) gaging stations shown in figure 1; USGS hydrologic subregions, hydrologic-subregion codes, hydrologic cataloguing units, and hydrologic-cataloguing-unit codes, listed as subheadings and also shown in figure 1; dms, latitude and longitude coordinates in degrees, minutes, and seconds; $mi^2$, square mile; ft, foot; gage location in relation to the refuge property: us, upstream; usds, upstream and downstream; ds, downstream]

| USGS station number | Station name | County and state | Latitude and longitude[a] (dms) | Hydrologic cataloguing unit[b] | Drainage area[c] ($mi^2$) | Datum of gage[d] (ft) | Gage location |
|---|---|---|---|---|---|---|---|
| **Suwannee (0311)—continued** | | | | | | | |
| **Santa Fe (03110206)** | | | | | | | |
| 02320700[e] | Santa Fe R nr Graham, FL | Alachua, FL | 295046N, 0821311W | 03110206 | 94.9 | 103.55 | us |
| 02321500 | Santa Fe R at Worthington Springs, FL | Alachua, FL | 295518N, 0822535W | 03110206 | 575 | 42.74 | us |
| 02321975[e] | Santa Fe R (US 441) nr High Springs, FL | Alachua, FL | 295109N, 0823631W | 03110206 | 859 | 49.96 | us |
| 02322000[e] | Santa Fe R nr High Springs, FL | Columbia, FL | 295033N, 0823752W | 03110206 | 868 | 26.36 | us |
| 02322500 | Santa Fe R nr Ft White, FL | Gilchrist, FL | 295055N, 0824255W | 03110206 | 1,017 | 20.86 | us |
| 02322800 | Santa Fe R nr Hildreth, FL | Gilchrist, FL | 295441N, 0825138W | 03110206 | 1,374 | 3.50 | us |

[a] Latitude and longitude coordinates in normal font are referenced to NAD 27, those in italicized font are referenced to NAD 83.

[b] The 8-digit hydrologic units were developed by the U.S. Geological Survey as a standardized set of hydrologic boundaries and numerical codes for the river-basin units of the United States (Seaber and others, 1994). The 8-digit hydrologic unit code encompasses four levels of subdivision: region (2-digit), subregion (4-digit), accounting unit (6-digit), and cataloguing unit (8-digit).

[c] Drainage areas in parentheses are shown when the contributing drainage area is less than the actual drainage area. —, the drainage area is either indeterminate or not delineated.

[d] Datum-of-gage values in normal font are from records of the USGS, those in italicized font are from records of the Georgia Department of Transportation. All datum-of-gage values are referenced to NGVD 29. —, datum of gage not established.

[e] Inactive station.

[f] Datum of gage was 48.54 ft NGVD 29 prior to October 1, 1979, 0.00 ft NGVD 29 October 1, 1979 to present.

[g] Datum of gage was 58.22 ft NGVD 29 prior to October 1, 1999, 0.00 ft NGVD 29 October 1, 1999 to present.

[h] Datum of gage was 16.49 ft NGVD 29 prior to October 1, 1937, 0.00 ft NGVD 29 October 1, 1937 to present.

[i] Datum of gage was 3.60 ft NGVD 29 prior to November 17, 1956, 0.00 ft NGVD 29 November 17, 1956 to present.

**Table 2*B*** . Hydrologic-data periods-of-record for gaging stations in the contributing watersheds of the Lower Suwannee National Wildlife Refuge and vicinity, Florida and Georgia.

[Major drainage boundaries and locations of U.S. Geological Survey (USGS) gaging stations shown in figure 1; USGS hydrologic subregions, hydrologic-subregion codes, hydrologic cataloguing units, and hydrologic-cataloguing-unit codes, listed as subheadings and also shown in figure 1; water year, October 1, preceding calendar year, through September 30, current calendar year; calendar year, January 1 through December 31]

| USGS station number | Station name | Parameter | Water-year record | | Calendar-year record | |
|---|---|---|---|---|---|---|
| | | | Period of record[a] | Record completeness[a] | Period of record[a] | Record completeness[a] |
| **Suwannee (0311)** | | | | | | |
| **Upper Suwannee (03110201)** | | | | | | |
| 02314274[b] | Suwannee R at Sill nr Fargo, GA | Discharge | 2000–2002 | 3, 0, 0–1.00 | 1999–2002 | 2, 2, 0–0.75 |
| 023142741[b] | N Fork Suwannee R at Sill nr Fargo, GA | Discharge | 1999–2003 | 4, 1, 0–0.98 | 1998–2003 | 4, 2, 0–0.81 |
| 02314495 | Suwannee R ab Fargo, GA | Gage height | 2000–2009 | 5, 5, 0–0.90 | 1999–2009 | 6, 5, 0–0.82 |
| 02314500 | Suwannee R (US 441) at Fargo, GA | Gage height | 1987–2009 | 4, 8, 11–0.49 | 1986–2009 | 3, 11, 10–0.47 |
| | | Discharge | 1927–2009 | 75, 4, 4–0.93 | 1927–2009 | 74, 4, 5–0.93 |
| 02315500 | Suwannee R at White Springs, FL | Gage height | 1906–2009 | 50, 37, 17–0.79 | 1906–2009 | 47, 39, 18–0.79 |
| | | Discharge | 1906–2009 | 83, 4, 17–0.82 | 1906–2009 | 83, 3, 18–0.82 |
| 02315550[b] | Suwannee R at Suwannee Springs, FL | Discharge | 1975–1996 | 22, 0, 0–1.00 | 1974–1996 | 21, 2, 0–0.96 |
| **Alapaha (03110202)** | | | | | | |
| 02317500 | Alapaha R at Statenville, GA | Gage height | 1998–2009 | 7, 5, 0–0.98 | 1997–2009 | 7, 6, 0–0.90 |
| | | Discharge | 1921–2009 | 76, 3, 10–0.88 | 1921–2009 | 77, 3, 9–0.88 |
| 02317620 | Alapaha R nr Jennings, FL | Gage height | 1976–2009 | 11, 7, 16–0.45 | 1976–2009 | 8, 11, 15–0.45 |
| | | Discharge | 1976–2009 | 14, 3, 17–0.44 | 1976–2009 | 11, 8, 15–0.44 |
| **Withlacoochee (03110203)** | | | | | | |
| 02318500 | Withalacoochee R (US 84) nr Quitman, GA | Gage height | 1994–2009 | 4, 12, 0–0.90 | 1993–2009 | 3, 14, 0–0.84 |
| | | Discharge[c] | 1929–2009 | 31, 6, 44–0.42 | 1928–2009 | 30, 8, 44–0.41 |
| 02319000 | Withalacoochee R nr Pinetta, FL | Gage height | 1932–2009 | 58, 20, 0–0.99 | 1931–2009 | 59, 20, 0–0.98 |
| | | Discharge[c] | 1932–2009 | 77, 1, 0–1.00 | 1931–2009 | 77, 2, 0–0.99 |
| 02319300[b] | Withalacoochee R nr Madison, FL | Gage height | 2005–2010 | 3, 3, 0–0.81 | 2004–2009 | 4, 2, 0–0.81 |
| | | Discharge | 2005–2008 | 3, 1, 0–0.97 | 2004–2008 | 3, 2, 0–0.78 |
| 02319394 | Withalacoochee R nr Lee, FL | Gage height | 2001–2009 | 3, 6, 0–0.95 | 2000–2009 | 3, 7, 0–0.86 |
| | | Discharge | 2001–2009 | 7, 2, 0–0.97 | 2000–2009 | 8, 2, 0–0.87 |
| **Lower Suwannee (03110205)** | | | | | | |
| 02319500 | Suwannee R at Ellaville, FL | Gage height[c] | 1927–2009 | 59, 24, 0–0.98 | 1927–2009 | 54, 29, 0–0.98 |
| | | Discharge[c] | 1927–2009 | 81, 2, 0–0.99 | 1927–2009 | 81, 2, 0–0.99 |
| 02319800 | Suwannee R at Dowling Park, FL | Gage height | 1997–2009 | 2, 11, 0–0.94 | 1996–2009 | 3, 11, 0–0.88 |
| | | Discharge | 1997–2009 | 11, 2, 0–0.99 | 1996–2009 | 12, 2, 0–0.92 |
| 02320000 | Suwannee R at Luraville, FL | Gage height[c] | 1927–2009 | 15, 11, 57–0.28 | 1927–2009 | 13, 12, 58–0.28 |
| | | Discharge[c] | 1927–2009 | 22, 4, 57–0.29 | 1927–2009 | 22, 3, 58–0.29 |
| | | Water temperature | 1996–2009 | 2, 7, 5–0.45 | 1996–2009 | 2, 8, 4–0.45 |
| 02320500 | Suwannee R at Branford, FL | Gage height[c] | 1931–2009 | 68, 11, 0–0.99 | 1931–2009 | 69, 10, 0–0.99 |
| | | Discharge[c] | 1931–2009 | 77, 2, 0–0.99 | 1931–2009 | 77, 2, 0–0.99 |
| | | Specific conductance | 1990–1990 | 0, 1, 0–0.13 | 1990–1990 | 0, 1, 0–0.13 |
| 02323000 | Suwannee R nr Bell, FL | Gage height[c] | 1932–2011 | 14, 27, 39–0.46 | 1932–2011 | 10, 31, 39–0.46 |
| | | Discharge[c] | 1932–2011 | 35, 3, 42–0.45 | 1932–2011 | 34, 3, 43–0.45 |

**Table 2*B*—continued**. Hydrologic-data periods-of-record for gaging stations in the contributing watersheds of the Lower Suwannee National Wildlife Refuge and vicinity, Florida and Georgia.

[Major drainage boundaries and locations of U.S. Geological Survey (USGS) gaging stations shown in figure 1; USGS hydrologic subregions, hydrologic-subregion codes, hydrologic cataloguing units, and hydrologic-cataloguing-unit codes, listed as subheadings and also shown in figure 1; water year, October 1, preceding calendar year, through September 30, current calendar year; calendar year, January 1 through December 31]

| USGS station number | Station name | Parameter | Water-year record | | Calendar-year record | |
|---|---|---|---|---|---|---|
| | | | Period of record[a] | Record completeness[a] | Period of record[a] | Record completeness[a] |
| **Suwannee (0311)—continued** | | | | | | |
| **Lower Suwannee (03110205)—continued** | | | | | | |
| 02323500 | Suwannee R nr Wilcox, FL | Gage height[c] | 1931–2011 | 42, 28, 11–0.79 | 1930–2011 | 42, 29, 11–0.78 |
| | | Discharge[c] | 1931–2011 | 71, 0, 0–0.88 | 1930–2011 | 69, 4, 9–0.87 |
| | | Water temperature | 1999–2011 | 0, 12, 0–0.64 | 1999–2011 | 0, 12, 0–0.64 |
| 02323592 | Suwannee R ab Gopher R nr Suwannee, FL | Gage height | 1999–2011 | 5, 8, 0–0.92 | 1999–2011 | 4, 9, 0–0.92 |
| | | Discharge | 1999–2011 | 11, 2, 0–0.94 | 1999–2011 | 10, 3, 0–0.94 |
| | | Water temperature | 1999–2011 | 3, 10, 0–0.92 | 1999–2011 | 3, 10, 0–0.92 |
| | | Specific conductance | 1999–2011 | 3, 10, 0–0.71 | 1999–2011 | 1, 12, 0–0.71 |
| | | Salinity | 1999–2011 | 5, 8, 0–0.87 | 1999–2011 | 4, 9, 0–0.87 |
| 291841-083070800[b] | East Pass Suwannee r nr Suwannee, FL | Discharge | 1995–2001 | 1, 6, 0–0.66 | 1995–2000 | 0, 6, 0–0.77 |
| | | Water temperature | 1995–2001 | 1, 6, 0–0.58 | 1995–2000 | 0, 6, 0–0.68 |
| | | Salinity | 1995–1999 | 0, 5, 0–0.56 | 1995–1999 | 0, 5, 0–0.56 |
| **Santa Fe (03110206)** | | | | | | |
| 02320700[b] | Santa Fe R nr Graham, FL | Discharge[c] | 1957–1998 | 41, 1, 0–0.98 | 1957–1998 | 40, 2, 0–0.98 |
| 02321500 | Santa Fe R at Worthington Springs, FL | Gage height | 1932–2011 | 40, 38, 2–0.94 | 1931–2011 | 38, 42, 1–0.93 |
| | | Discharge[c] | 1932–2011 | 80, 0, 0–1.00 | 1931–2011 | 79, 2, 0–0.99 |
| 02321975[b] | Santa Fe R (US 441) nr High Springs, FL | Discharge[c] | 1993–2002 | 9, 0, 0–0.90 | 1992–2002 | 7, 4, 0–0.82 |
| 02322000[b] | Santa Fe R nr High Springs, FL | Discharge | 1931–1971 | 40, 1, 0–0.99 | 1931–1971 | 39, 2, 0–0.99 |
| 02322500 | Santa Fe R nr Ft White, FL | Gage height | 1928–2010 | 39, 36, 8–0.82 | 1927–2010 | 38, 41, 5–0.81 |
| | | Discharge[c] | 1928–2010 | 80, 2, 1–0.97 | 1927–2010 | 79, 4, 1–0.96 |
| 02322800 | Santa Fe R nr Hildreth, FL | Gage height | 1947–2010 | 23, 32, 9–0.75 | 1947–2010 | 19, 36, 9–0.75 |
| | | Discharge | 2001–2010 | 7, 2, 1–0.79 | 2000–2010 | 6, 4, 1–0.72 |

[a]Period shown is for indicated type of year and includes gaps if data collection was discontinuous. Record completeness: number of complete-record, partial-record, and null-record water or calendar years–fraction of total record length with mean-daily values. The fraction-of-total-record-length calculation is based on complete beginning and ending water or calendar years as well as complete intervening years. Therefore, the fraction-of-total-record-length numbers may be different for water years when compared to calendar years.

[b]Inactive station.

[c]Indicators of Hydrologic Alteration (IHA) analysis was performed for these parameters. Periods of record for IHA analyses shown in figure 4 (gage height) and figure 5 (discharge).

# Appendix D

Water Quality Monitoring Data from surface water monitoring gage SUW160 “Suwannee River at Fanning Springs” (period of record: 1998 to current). This site is part of the surface water component of the Trend Network (SWTV) that consists of 76 fixed sites placed on or near rivers entering the state from Alabama and Georgia or at the point a river exits a watershed basin. SWTV sites are sampled on a monthly basis and reporting data are available at

http://waterwebprod.dep.state.fl.us/ambient/swtv/default.htm

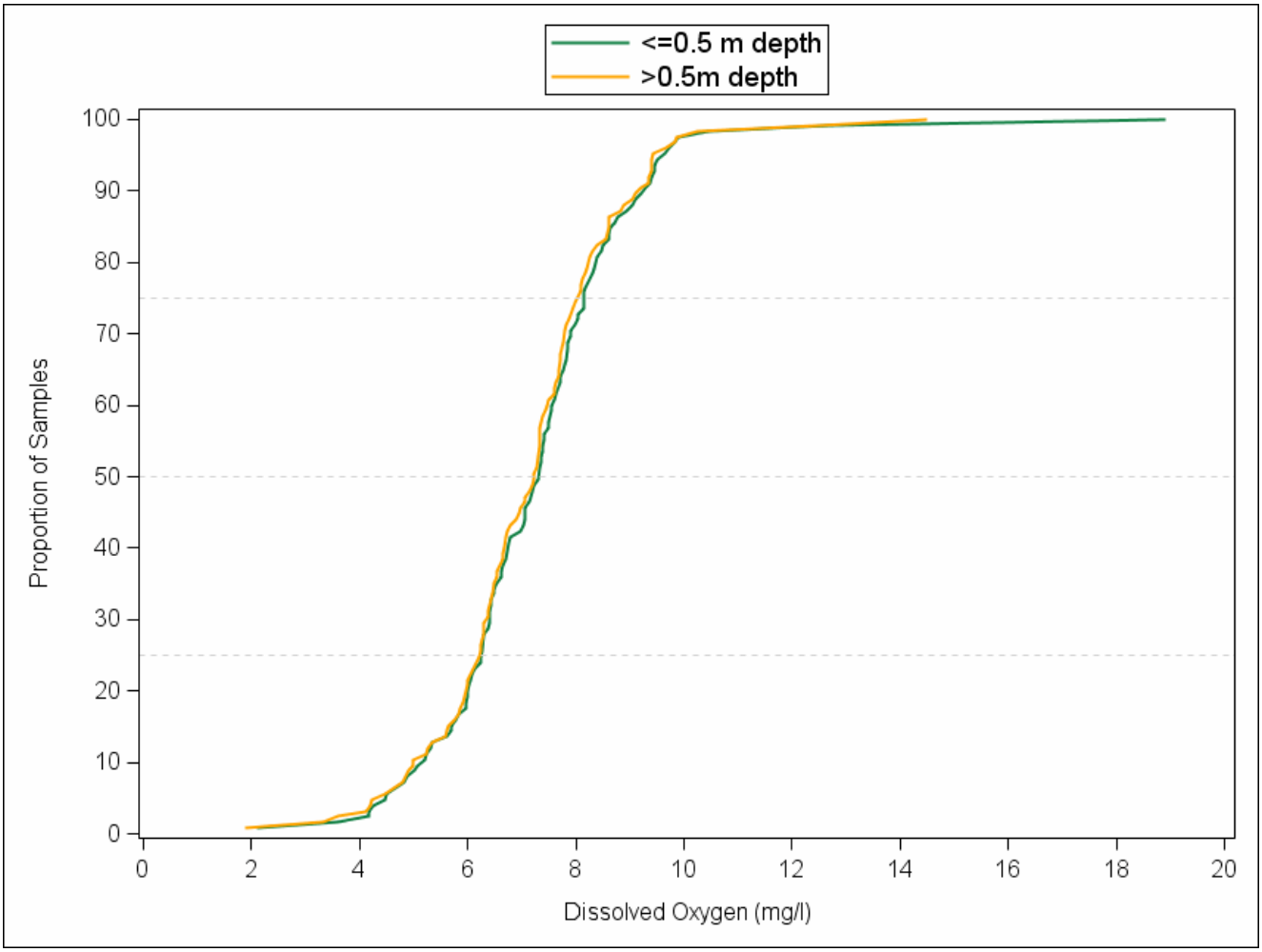
# Summary of Surface Water Quality Monitoring Data for SUW160

Site SUW160 is a surface water quality monitoring site (see Site ID 18 in the WRIA report – Section 5.3.1.2 Water Quality Monitoring). The location of this well is described as "Suwannee River near Fanning Springs", physically along the Lower Suwannee River between the northern and southern portion of the Lower Suwannee NWR acquisition boundary. This gage is part of the Florida Department of Environmental Protection's Integrated Water Resource Monitoring Network (IWRM). Data are collected statewide at a variety of river, stream, lake, and canal sites and used to identify and confirm impaired waters, and to determine regulatory compliance. As a part of IWRM, FDEP established a Trend Network (formally designated as the Temporal Variability or "TV" Network) to characterize the environmental conditions of the state's water resources and to determine how these conditions change over time. The surface water component of the Trend Network (SWTV) consists of 76 fixed sites that are placed on or near rivers entering the state from Alabama and Georgia or at the point a river exits a watershed basin. SWTV sites are sampled on a monthly basis and reporting data are available at http://waterwebprod.dep.state.fl.us/ambient/swtv/default.htm

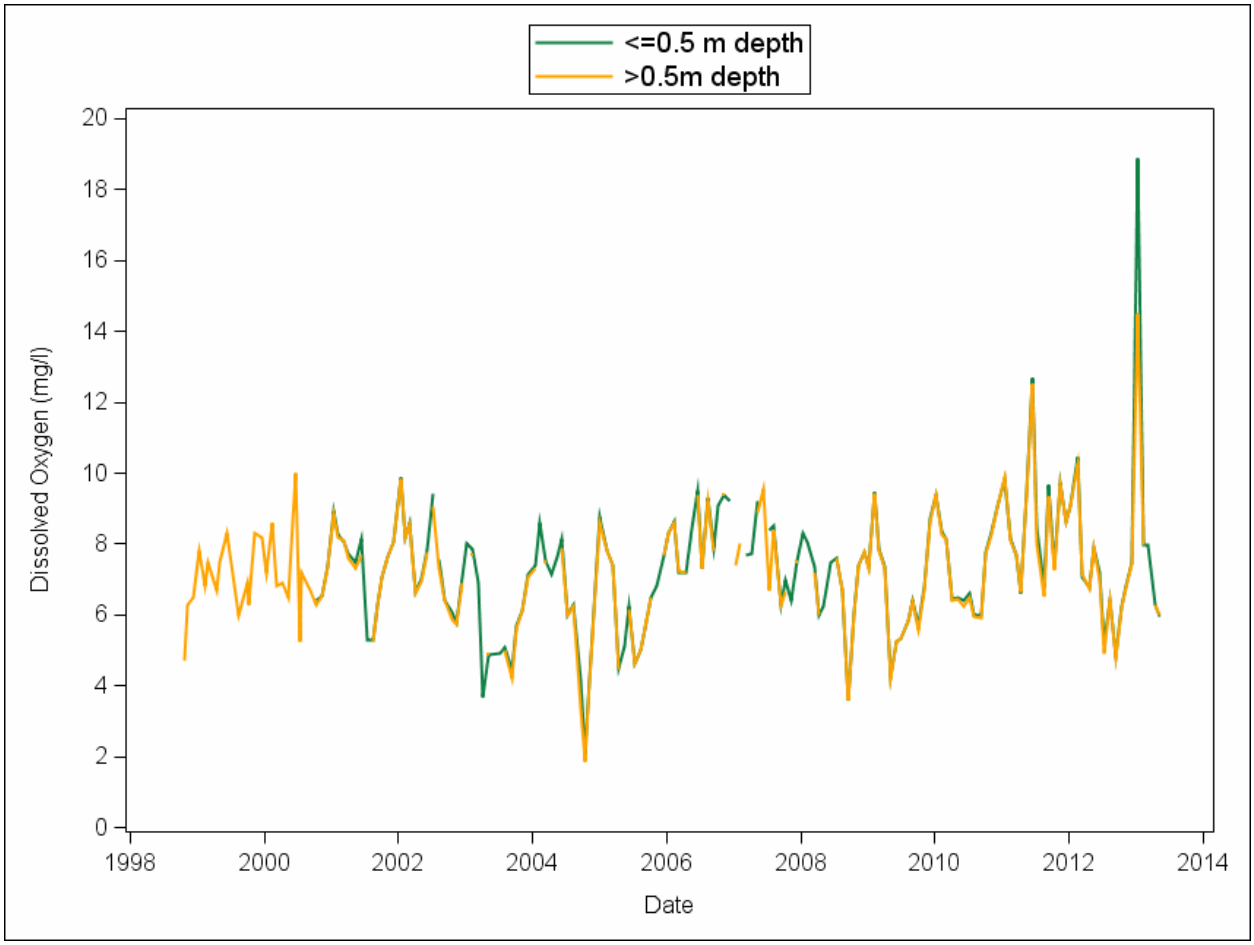
| | |
|---|---|
| **FDEP Station Name** | SUW160 |
| **STORET Identifier** | 3519 |
| **Station Description** | SUWANNEE RIVER AT FANNING SPRINGS |
| **Latitude** | 29 35 33.432 |
| **Longitude** | 82 56 18.563 |
| **Location Method** | Differentially Corrected GPS |
| **Locational Datum** | WGS-84 |
| **Resource Type** | STREAM |
| **Waterbody Name** | SUWANNEE RIVER |
| **County** | DIXIE |
| **Water Management District** | SUWANNEE RIVER WATER MANAGEMENT DISTRICT |
| **FDEP District** | NORTHEAST DISTRICT - JACKSONVILLE |
| **Period of Record** | FDEP: 1998 - present |

## Dissolved Oxygen

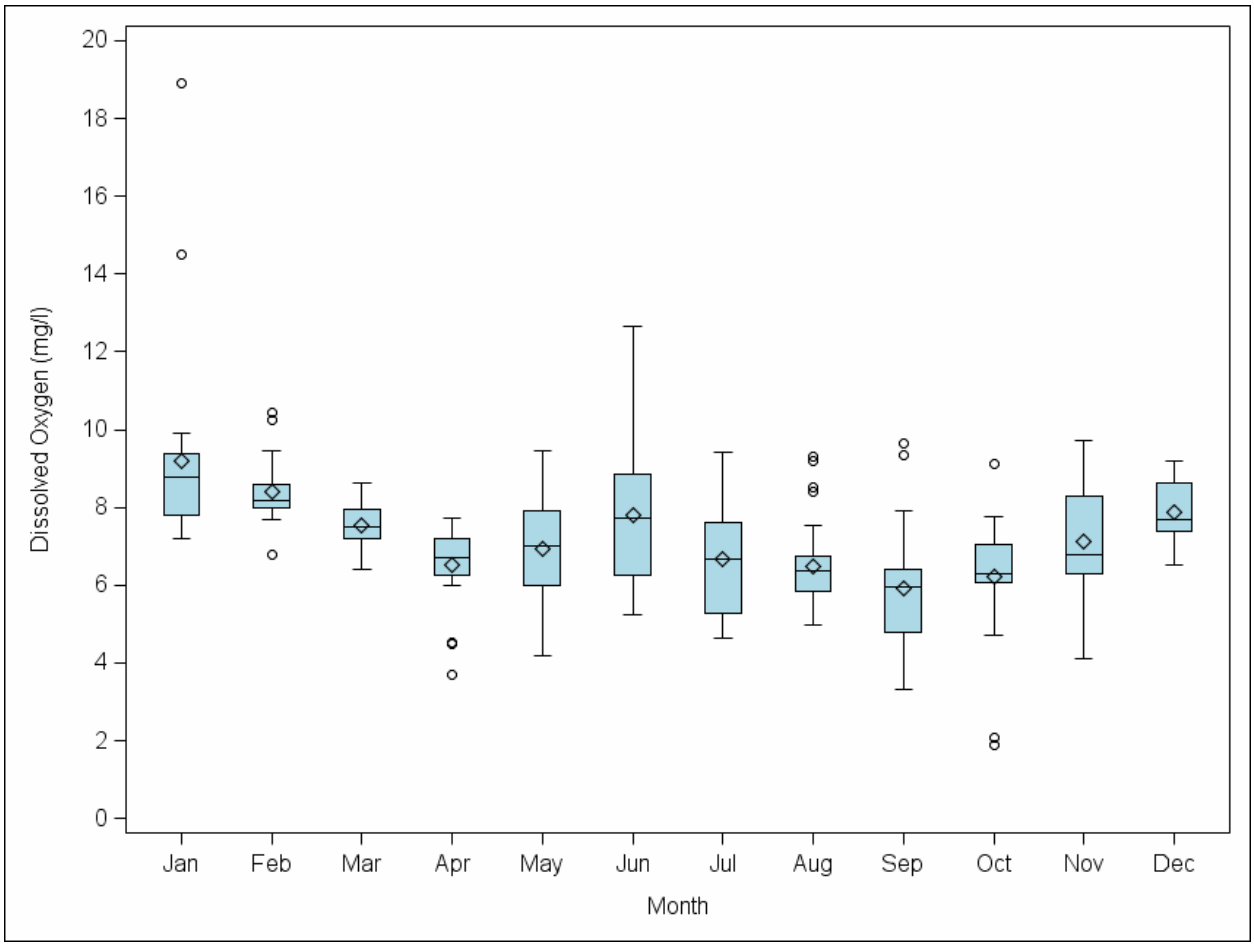
Initially it is clear that there are duplicate samples in the database. In order to correct this the mean dissolved oxygen value was calculated for each sample date*station*depth*units combination in the dataset. The frequency of depths was reviewed and it seems that there are samples taken at 0.5 meters or less which represent surface samples, and then samples taken deeper which I presume are mid water, but could also be bottom samples. Based on this I added a field for relative depth and produced a cdf plot to see what the distribution of surface vs at-depth DO looks like including only sample days where surface and at-depth samples were both taken.



There is no difference between the distribution of the two sample types and the time series indicate that the surface and at depth oxygen remain similar over time, so they are not separated when dissolved oxygen is displayed seasonally. (Note that on the CDF graphic reference lines are drawn at the 25th, 50th, and 75th percentiles)



Dissolved data were displayed using boxplots for each month to show seasonal variability. Dissolved oxygen was generally higher during the colder months. This dataset does not indicate that there are issues with hypoxia at any time.

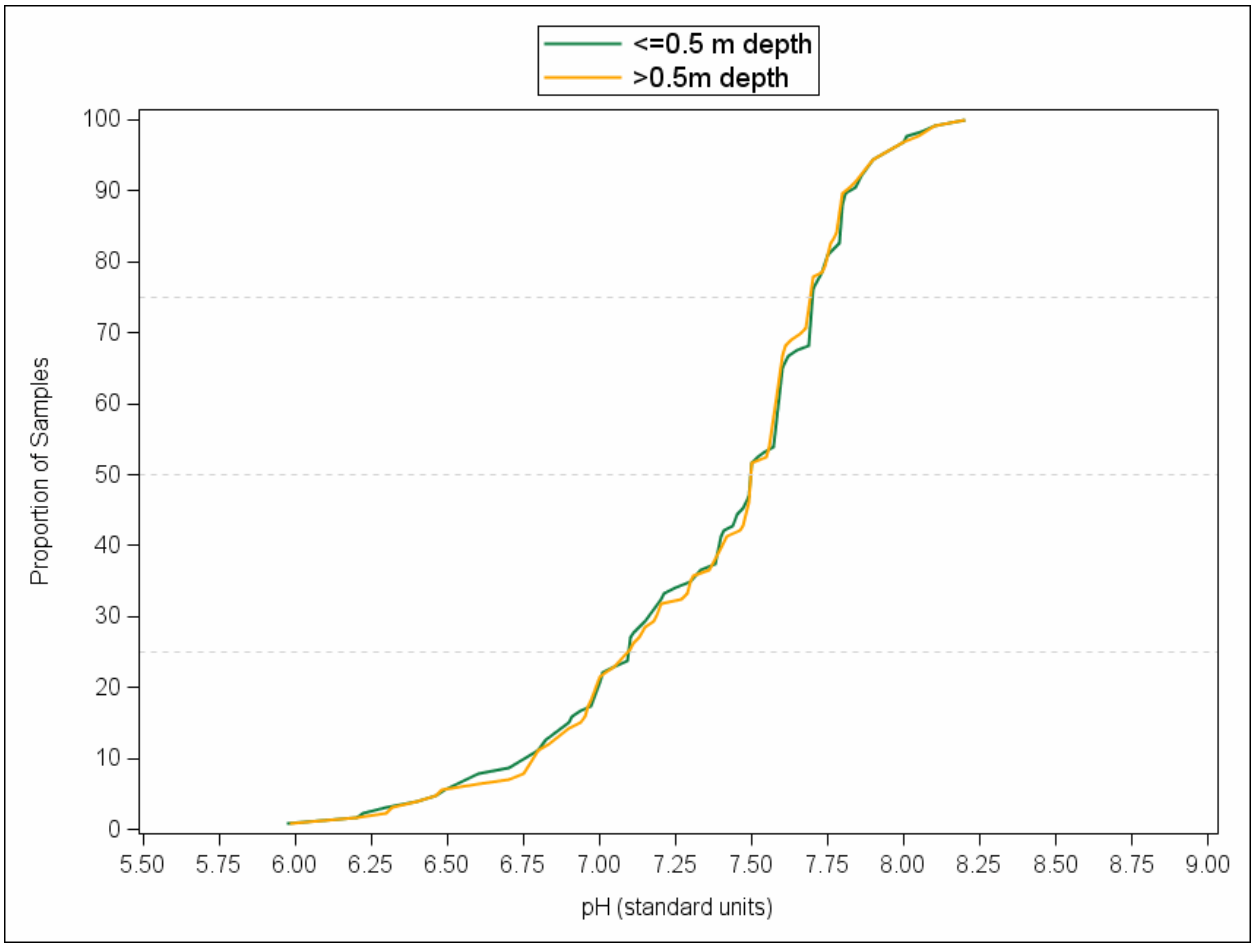


Below is a table of summary statistics with dissolved oxygen concentration summarized by month, and for the entire dataset.

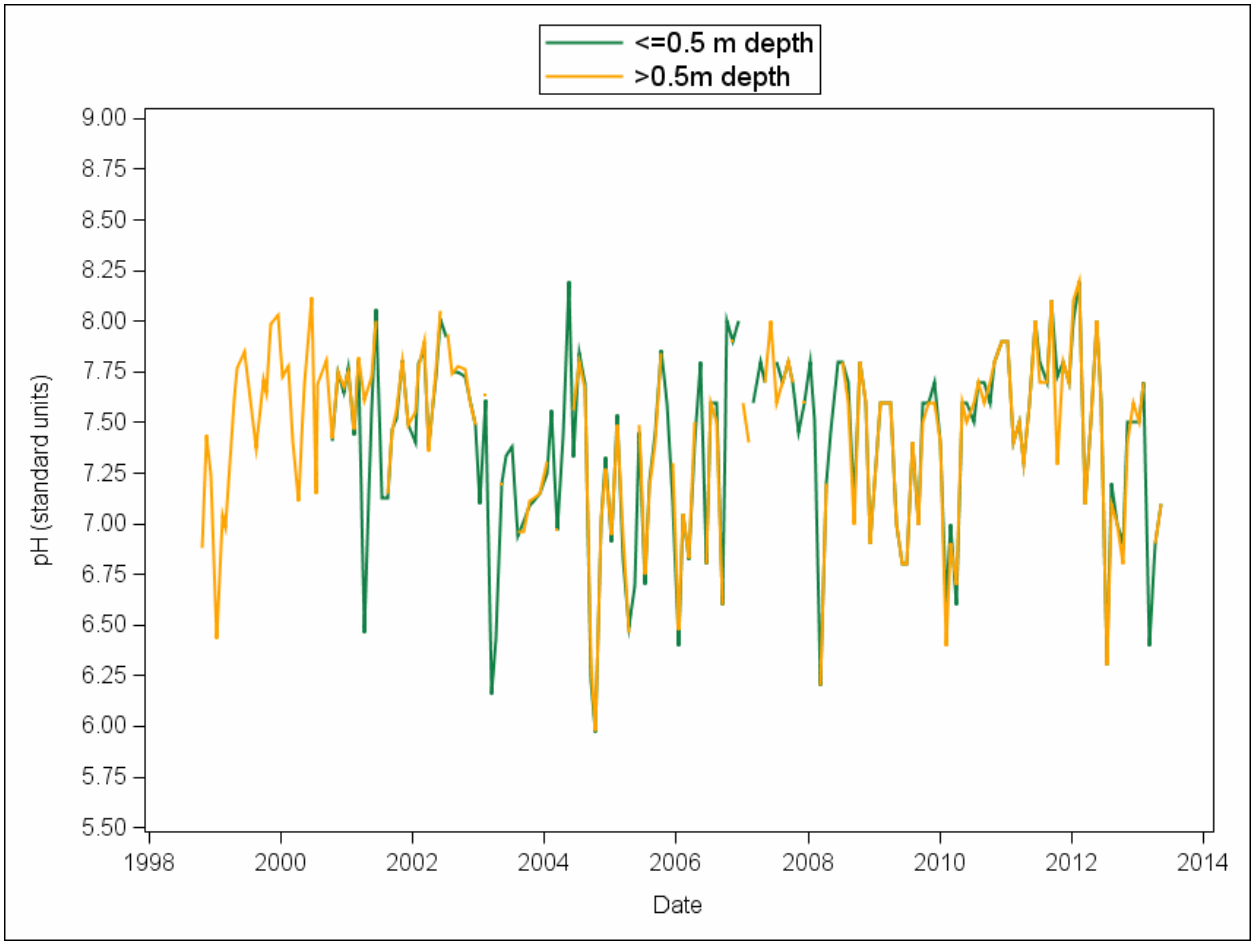
| Month | Mean | Standard Deviation | Maximum | 75th percentile | Median | 25th Percentile | Minimum |
|---|---|---|---|---|---|---|---|
| Jan | 9.19 | 2.51 | 18.90 | 9.39 | 8.77 | 7.80 | 7.20 |
| Feb | 8.39 | 0.79 | 10.44 | 8.60 | 8.19 | 7.98 | 6.80 |
| Mar | 7.53 | 0.56 | 8.61 | 7.96 | 7.50 | 7.21 | 6.42 |
| Apr | 6.53 | 1.04 | 7.74 | 7.20 | 6.70 | 6.27 | 3.70 |
| May | 6.92 | 1.56 | 9.46 | 7.90 | 6.99 | 5.98 | 4.20 |
| Jun | 7.80 | 2.04 | 12.67 | 8.85 | 7.73 | 6.24 | 5.23 |
| Jul | 6.68 | 1.47 | 9.42 | 7.60 | 6.67 | 5.26 | 4.64 |
| Aug | 6.49 | 1.21 | 9.30 | 6.76 | 6.37 | 5.83 | 4.99 |
| Sep | 5.91 | 1.60 | 9.65 | 6.42 | 5.96 | 4.79 | 3.33 |
| Oct | 6.22 | 1.54 | 9.10 | 7.05 | 6.30 | 6.05 | 1.87 |
| Nov | 7.11 | 1.48 | 9.73 | 8.27 | 6.80 | 6.30 | 4.11 |
| Dec | 7.86 | 0.73 | 9.20 | 8.62 | 7.70 | 7.40 | 6.50 |
| All | 7.22 | 1.72 | 18.90 | 8.14 | 7.30 | 6.29 | 1.87 |

## pH

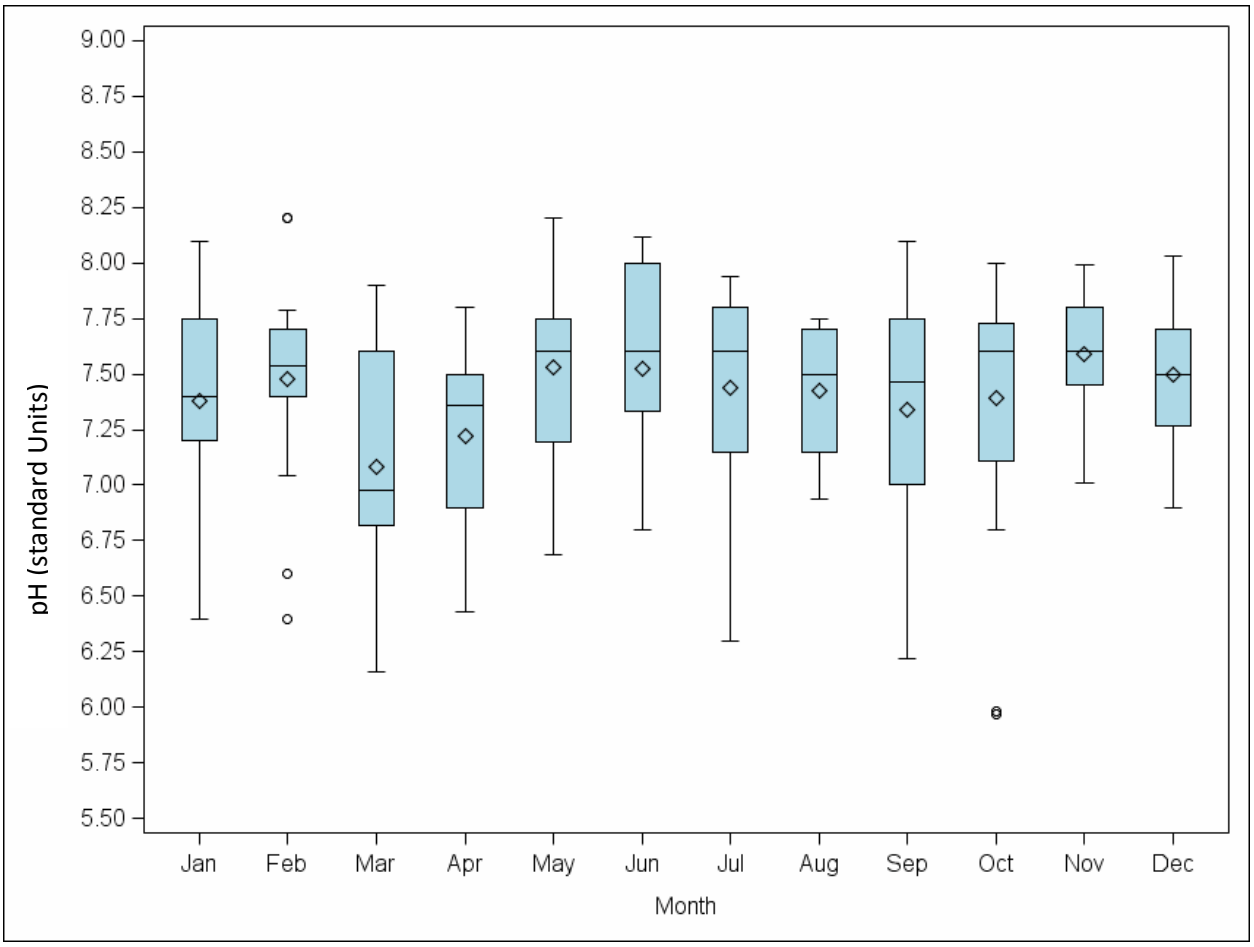
Analysis of pH followed the same methodology as analysis of dissolved oxygen, the pH value was calculated for each sample date*station*depth*units combination in the dataset. The frequency of depths was reviewed and it seems that there are samples taken at 0.5 meters or less which represent surface samples, and then samples taken deeper which I presume are mid water, but could also be bottom samples. Based on this I added a field for relative depth and produced a cdf plot to see what the distribution of surface vs at-depth pH looks like including only sample days where surface and at-depth samples were both taken.



As was the case with dissolved oxygen there was not a difference in the distribution of pH values based upon surface vs at-depth measures. When the time series was reviewed there was very little difference between same day surface and at-depth measures. Therefore the surface and at-depth values were not separated for the seasonal analysis.



pH were displayed using boxplots for each month to show seasonal variability. This dataset indicates that pH is typically between 7 and 7.75, with the clear outlier being the month of March (and to a small extent April). During March median pH is below 7, this is the only month where median pH is below 7.3. The strong dips in the time series graphic are likely due to events which tend to occur during the month of March.



Below is a table of summary statistics with pH summarized by month and for the entire dataset.

| Month | Mean | Standard Deviation | Maximum | 75th percentile | Median | 25th Percentile | Minimum |
|---|---|---|---|---|---|---|---|
| Jan | 7.38 | 0.47 | 8.10 | 7.75 | 7.40 | 7.20 | 6.40 |
| Feb | 7.48 | 0.41 | 8.20 | 7.70 | 7.54 | 7.40 | 6.40 |
| Mar | 7.08 | 0.52 | 7.90 | 7.60 | 6.98 | 6.82 | 6.16 |
| Apr | 7.22 | 0.42 | 7.80 | 7.50 | 7.36 | 6.90 | 6.43 |
| May | 7.53 | 0.37 | 8.20 | 7.75 | 7.60 | 7.20 | 6.69 |
| Jun | 7.53 | 0.48 | 8.12 | 8.00 | 7.60 | 7.33 | 6.80 |
| Jul | 7.44 | 0.50 | 7.94 | 7.80 | 7.60 | 7.15 | 6.30 |
| Aug | 7.43 | 0.29 | 7.75 | 7.70 | 7.50 | 7.15 | 6.94 |
| Sep | 7.34 | 0.52 | 8.10 | 7.75 | 7.47 | 7.00 | 6.22 |
| Oct | 7.39 | 0.54 | 8.00 | 7.73 | 7.60 | 7.11 | 5.97 |
| Nov | 7.59 | 0.27 | 7.99 | 7.80 | 7.61 | 7.45 | 7.01 |
| Dec | 7.50 | 0.30 | 8.03 | 7.70 | 7.50 | 7.27 | 6.90 |
| All | 7.41 | 0.45 | 8.20 | 7.73 | 7.50 | 7.11 | 5.97 |

# Appendix E

Dams within the Region of Hydrologic Influence (RHI) in both Georgia and Florida, including descriptions for each dam, ownership, and location.

| Dam Name | Other Dam Names | NID ID | Owner Name | NID Height (Feet) | NID Storage (Acre-Feet) | Purposes | River or Stream | County | State | Dam Length (Feet) | Maximum Discharge (Cubic Feet/Second) | Drainage Area (Square Miles) | Longitude (decimal degrees) | Latitude (decimal degrees) | Spillway Type | Spillway Width (Feet) | Surface Area (Acres) | Year Completed | Volume of Dam (Cubic yard) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LAKEVIEW PARK LAKE DAM | BEN HILL DAM | GA00055 | BEN HILL COUNTY | 18 | 204 | RECREATION | UNKNOWN | BEN HILL | GA | 825 | 440 | 0.47 | -83.266667 | 31.683333 | | 0 | 17.5 | 1971 | 0 |
| CONNER IRRIGATION POND DAM | | GA00222 | CONNER, HOMER | 15 | 264 | RECREATION | UNKNOWN | WILCOX | GA | 1250 | 164 | 1.09 | -83.536111 | 31.88 | | 0 | 43 | 1962 | 0 |
| CHARLES WILLIAMS IRRIG. POND DAM (MIDDLE) | WILLIAM LAKE DAM 2 (MIDDLE) | GA00269 | WILLIAMS, CHARLES | 16 | 120 | FIRE/FARM POND | UNKNOWN | CRISP | GA | 510 | 600 | 0.46 | -83.695 | 31.913889 | | 0 | 12 | 1963 | 0 |
| CHARLES WILLIAMS IRRIG. POND DAM (UPPER) | WILLIAMS LAKE DAM 3 (UPPER) | GA00270 | WILLIAMS, CHARLES | 16 | 136 | FIRE/FARM POND | UNKNOWN | CRISP | GA | 695 | 360 | 0.2 | -83.7 | 31.92 | | 0 | 13 | 1963 | 0 |
| CHARLES WILLIAMS IRRIG. POND DAM (LOWER) | WILLIAMS LAKE DAM 1 (LOWER) | GA00276 | WILLIAMS, CHARLES | 13 | 100 | FIRE/FARM POND | UNKNOWN | CRISP | GA | 450 | 0 | 0.62 | -83.689444 | 31.911111 | | 0 | 11 | 0 | 0 |
| SOUTH FORK BROAD RIVER W/S STR # 31 | | GA00428 | MADISON COUNTY COMMISSIONERS | 46 | 1178 | FLOOD CONTROL | UNKNOWN | MADISON | GA | 808 | 9900 | 4.83 | -83.276944 | 31.581389 | UNKNOWN | 460 | 31.4 | 1962 | 73681 |
| STORY LAKE DAM | | GA00905 | STORY FARM | 26 | 245 | RECREATION | UNKNOWN | TURNER | GA | 870 | 750 | 0.65 | -83.6625 | 31.676944 | UNKNOWN | 52 | 28 | 1969 | 18582 |
| CARTER LAKE DAM | | GA00907 | CARTER, J. W. "DUB" | 18 | 230 | RECREATION | UNKNOWN | TURNER | GA | 795 | 0 | 0.17 | -83.511944 | 31.683889 | | 0 | 22 | 1948 | 0 |
| HOBBY LAKE DAM | | GA00908 | HOBBY, J. L. | 18 | 466 | FIRE/FARM POND | UNKNOWN | TURNER | GA | 735 | 430 | 0 | -83.616667 | 31.756944 | | 0 | 23 | 1957 | 0 |
| REINHARDT LAKE DAM | | GA00909 | REINHARDT, MILDRED ELROD | 16 | 121 | IRRIGATION | UNKNOWN | TURNER | GA | 696 | 1060 | 0.27 | -83.543889 | 31.684722 | | 0 | 10.8 | 1950 | 0 |
| COOK LAKE DAM | | GA00932 | COOK, GEORGE D. JR. | 24 | 166 | IRRIGATION | UNKNOWN | IRWIN | GA | 960 | 690 | 1.48 | -83.174722 | 31.520278 | UNKNOWN | 75 | 23 | 1967 | 16071 |
| DUREN LAKE DAM | LAKE BETTIE DAM | GA00933 | DUREN, FRANCES | 21 | 95 | IRRIGATION | UNKNOWN | IRWIN | GA | 870 | 330 | 0.25 | -83.356389 | 31.602778 | UNKNOWN | 20 | 12 | 1964 | 9415 |
| EVANS POND DAM | | GA00934 | EVANS, J. E. | 21 | 80 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 498 | 510 | 0.23 | -83.373889 | 31.688611 | UNKNOWN | 24 | 9 | 1967 | 5413 |
| BOWEN IRRIGATION POND DAM | | GA00935 | BOWEN, ROBERT | 22 | 109 | IRRIGATION | UNKNOWN | IRWIN | GA | 705 | 950 | 0.59 | -83.396111 | 31.709722 | UNKNOWN | 52 | 13 | 1961 | 7679 |
| MCEACHIN IRRIGATION POND DAM | EWING LAKE DAM | GA00937 | MCEACHIN, W. F. | 20 | 88 | IRRIGATION | UNKNOWN | IRWIN | GA | 1215 | 570 | 0.2 | -83.178889 | 31.639444 | | 0 | 12 | 1968 | 0 |
| TURK POND (SOUTH) DAM | TURK LAKE DAM SOUTH | GA00938 | TURK, S. P. | 24 | 134 | IRRIGATION | UNKNOWN | IRWIN | GA | 1035 | 300 | 0.2 | -83.301667 | 31.583333 | UNKNOWN | 16 | 14 | 1963 | 10395 |
| HALL LAKE DAM | | GA00939 | HALL, RICHARD J. | 26 | 105 | IRRIGATION | UNKNOWN | IRWIN | GA | 930 | 330 | 0.12 | -83.386667 | 31.559722 | UNKNOWN | 20 | 8.5 | 1969 | 18287 |
| FULLER IRRIGATION POND DAM NORTH | | GA00940 | FULLER, A. T. | 21 | 79 | IRRIGATION | UNKNOWN | IRWIN | GA | 1002 | 470 | 0.13 | -83.426667 | 31.743056 | UNKNOWN | 32 | 10 | 1972 | 11153 |
| TIFTON FISHING CLUB LAKE DAM | | GA00941 | TIFTON FISHING CLUB | 27 | 80 | IRRIGATION | UNKNOWN | IRWIN | GA | 505 | 500 | 0.43 | -83.423611 | 31.603333 | UNKNOWN | 32 | 10 | 1966 | 7993 |
| GRAY LAKE DAM | | GA00942 | GRAY, NELSON | 19 | 108 | IRRIGATION | UNKNOWN | IRWIN | GA | 645 | 680 | 0.28 | -83.293056 | 31.566667 | UNKNOWN | 32 | 14 | 1959 | 5828 |
| TANKERSLY POND DAM | | GA00943 | TANKERSLY, TROY | 22 | 86 | IRRIGATION | UNKNOWN | IRWIN | GA | 705 | 280 | 0.13 | -83.226111 | 31.578611 | UNKNOWN | 16 | 12 | 1967 | 7543 |
| ALTA LAKE DAM | STEWART LAKE DAM | GA00945 | STEWART, JACK | 13 | 106 | RECREATION | UNKNOWN | IRWIN | GA | 792 | 150 | 0.23 | -83.268611 | 31.654167 | | 0 | 13.5 | 1963 | 0 |
| SHIVER POND DAM SOUTH | | GA00946 | SHIVER, A. G. | 21 | 68 | IRRIGATION | UNKNOWN | IRWIN | GA | 330 | 340 | 0.12 | -83.218611 | 31.58 | | 0 | 10 | 1960 | 0 |
| SPURLOCK POND DAM | | GA00947 | SPURLOCK, JULIAN | 26 | 75 | RECREATION | UNKNOWN | IRWIN | GA | 609 | 420 | 0.33 | -83.276944 | 31.495833 | UNKNOWN | 20 | 10 | 1957 | 7615 |
| LITTLE POND DAM | | GA00948 | LITTLE, DAMON | 14 | 94 | IRRIGATION | UNKNOWN | IRWIN | GA | 760 | 0 | 0.22 | -83.333333 | 31.516944 | UNKNOWN | 24 | 9.5 | 0 | 10641 |
| ROBERTS POND DAM | | GA00950 | ROBERTS, W. A. | 20 | 136 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 935 | 550 | 0.17 | -83.412222 | 31.702222 | | 0 | 15 | 1965 | 0 |
| PAULK POND DAM WEST | E. PAULK LAKE DAM | GA00954 | PAULK, ELMER | 19 | 102 | IRRIGATION | UNKNOWN | IRWIN | GA | 975 | 450 | 0.33 | -83.301944 | 31.613056 | UNKNOWN | 28 | 14.5 | 1963 | 7034 |
| BOYETTE POND DAM | | GA01430 | MCDANIEL, KATHRYN BOYETTE | 12 | 236 | IRRIGATION | UNKNOWN | COOK | GA | 680 | 270 | 2.22 | -83.338056 | 31.105556 | | 0 | 38 | 1949 | 0 |
| PARRISH POND DAM | | GA01432 | CIRCLESTONE COUNTRY CLUB | 12 | 365 | RECREATION | UNKNOWN | COOK | GA | 845 | 0 | 0 | -83.338333 | 31.155833 | | 0 | 67 | 0 | 0 |
| BRYAN LAKE DAM | | GA01435 | BRYAN, W. P. | 27 | 862 | RECREATION | UNKNOWN | TIFT | GA | 660 | 710 | 0 | -83.623611 | 31.384722 | UNKNOWN | 52 | 65 | 1974 | 55000 |
| PONDER LAKE DAM | PONDER PLANT FARM IRRIGATION POND | GA01436 | PONDER, EDWIN | 16 | 144 | IRRIGATION | UNKNOWN | TIFT | GA | 845 | 520 | 0.73 | -83.574444 | 31.374444 | | 0 | 20 | 1969 | 0 |
| ADCOCK 0 MORRIS LAKE #1 DAM | TIFT LAKE DAM | GA01437 | LEONARD MORRIS CO. | 25 | 225 | RECREATION | UNKNOWN | TIFT | GA | 625 | 320 | 0.84 | -83.430278 | 31.509444 | UNKNOWN | 100 | 33.7 | 1973 | 30000 |
| ADCOCK-MORRIS LAKE DAM NORTH | MARSHALL LAKE DAM | GA01439 | LEONARD MORRIS COMPANY | 16 | 165 | RECREATION | UNKNOWN | TIFT | GA | 630 | 960 | 0.13 | -83.433056 | 31.502222 | | 0 | 19.3 | 1972 | 0 |
| ADCOCK-MORRIS LAKE DAM | KMC IRRIGATION POND SOUTH | GA01440 | KELLY MANUFACTURING COMPANY | 28 | 770 | IRRIGATION | UNKNOWN | TIFT | GA | 900 | 220 | 0.41 | -83.443889 | 31.538889 | | 0 | 55 | 1971 | 0 |
| RUTLAND LAKE DAM | RUTLAND LAKE DAM NORTH | GA01441 | RUTLAND, BRUCE | 18 | 112 | FIRE/FARM POND | UNKNOWN | TIFT | GA | 630 | 310 | 0.2 | -83.513333 | 31.348333 | | 0 | 10 | 1970 | 0 |
| LAKE LARRY DAM | | GA01443 | EVANS, ED | 10 | 149 | RECREATION | UNKNOWN | TIFT | GA | 655 | 80 | 0.94 | -83.504167 | 31.355 | | 0 | 28 | 1955 | 0 |
| MARYS POND DAM | | GA01444 | SUNBELT PROPERTIES, INC. | 15 | 280 | RECREATION | UNKNOWN | TIFT | GA | 690 | 1890 | 1.68 | -83.496111 | 31.481389 | UNKNOWN | 0 | 38 | 1977 | 22000 |
| WHIDDONS MILLPOND DAM | | GA01445 | ROSS, C. W. | 11 | 520 | RECREATION | UNKNOWN | TIFT | GA | 580 | 0 | 0 | -83.609722 | 31.542778 | | 0 | 89 | 1900 | 0 |
| RANKIN LAKE DAM | WISTERIA LAKE DAM | GA01446 | RANKIN, LUTRELLE | 16 | 304 | RECREATION | UNKNOWN | TIFT | GA | 930 | 460 | 0.95 | -83.417222 | 31.501389 | | 0 | 34 | 1955 | 0 |
| MCCRAIN LAKE DAM | | GA01447 | MCCRAINIE, PERRY | 14 | 390 | RECREATION | UNKNOWN | TIFT | GA | 1140 | 2010 | 1.72 | -83.3725 | 31.419167 | | 0 | 51 | 1954 | 0 |
| ROSS LAKE DAM | | GA01448 | ROSS, RAYMOND | 15 | 95 | IRRIGATION | UNKNOWN | TIFT | GA | 810 | 0 | 0.2 | -83.638333 | 31.535 | | 0 | 11 | 1958 | 0 |
| STRIPLAND | | GA01573 | STRIPLING, FOREST | 36 | 271 | FIRE/FARM POND | UNKNOWN | WORTH | GA | 900 | 580 | 0 | -83.857778 | 31.440556 | | 0 | 23 | 1967 | 0 |
| HARRELL LAKE DAM | | GA01574 | C. A. HARRELL ESTATE | 18 | 182 | FIRE/FARM POND | UNKNOWN | WORTH | GA | 975 | 10 | 0.49 | -83.713611 | 31.491111 | | 0 | 18.4 | 1954 | 0 |
| CARTER LAKE DAM | | GA01575 | CARTER, JERALD | 12 | 134 | FIRE/FARM POND | UNKNOWN | WORTH | GA | 800 | 1290 | 1.11 | -83.801944 | 31.389167 | | 0 | 17.5 | 1940 | 0 |
| HAROLD LAKE DAM EAST | | GA01576 | C. A. HARRELL ESTATE | 11 | 139 | FIRE/FARM POND | UNKNOWN | WORTH | GA | 1080 | 130 | 0.14 | -83.708611 | 31.489444 | | 0 | 19.3 | 1948 | 0 |
| LAKE CLEVE DAM | CHERRY LAKE DAM | GA01583 | CHERRY LAKE PROPERTIES | 15 | 870 | RECREATION | UNKNOWN | LOWNDES | GA | 1000 | 0 | 0 | -83.302778 | 30.903056 | | 0 | 65 | 1974 | 0 |
| LAKE HAMMOCK DAM # 2 | | GA01585 | HAMMOCK LAKE PROPERTIES, INC. | 20 | 397 | RECREATION | UNKNOWN | LOWNDES | GA | 2150 | 2010 | 0.64 | -83.224444 | 30.681389 | | 0 | 43 | 1960 | 0 |
| WHITEWATER CLUB LAKE DAM | | GA01586 | WHITEWATER HUNTING CLUB | 13 | 1221 | RECREATION | UNKNOWN | LOWNDES | GA | 380 | 50 | 2.34 | -83.261389 | 30.676667 | | 0 | 148 | 1950 | 0 |
| LAKE HAMMOCK DAM # 1 | | GA01587 | HAMMOCK LAKE PROPERTIES, INC. | 17 | 327 | RECREATION | UNKNOWN | LOWNDES | GA | 1400 | 0 | 0.53 | -83.220278 | 30.667778 | | 0 | 40 | 0 | 0 |
| INDIAN LAKE DAM | | GA01590 | REAGAN, BILL | 21 | 1285 | RECREATION | UNKNOWN | COLQUITT | GA | 1485 | 3880 | 0 | -83.75 | 31.228333 | | 0 | 96 | 1956 | 0 |
| REED BINGHAM PARK LAKE DAM | | GA01591 | STATE OF GEORGIA | 19 | 1400 | RECREATION | UNKNOWN | COLQUITT | GA | 2000 | 67900 | 0 | -83.543333 | 31.161111 | | 0 | 300 | 1970 | 0 |
| NICHOLS LAKE DAM # 2 | | GA01610 | NICHOLS, T. F. | 12 | 988 | RECREATION | UNKNOWN | BROOKS | GA | 410 | 125 | 0 | -83.65 | 30.968333 | | 0 | 220 | 1880 | 0 |
| FULWOOD DAM | | GA02367 | FULWOOD WRIGHT MANAGEMENT PARTNERSHIP | 10 | 157 | IRRIGATION | UNKNOWN | TIFT | GA | 840 | 1193 | 0 | -83.54 | 31.454444 | | 0 | 22.5 | 1947 | 0 |
| YOUNG LAKE DAM | | GA02941 | YOUNG, WILEY T. | 20 | 64 | RECREATION | UNKNOWN | BEN HILL | GA | 500 | 240 | 0.13 | -83.447778 | 31.824444 | | 0 | 9.2 | 1956 | 0 |
| SAPPS LAKE DAM | | GA02944 | SAPP, ELMOORE | 19 | 257 | RECREATION | UNKNOWN | BERRIEN | GA | 1600 | 280 | 0.17 | -83.33 | 31.359167 | UNKNOWN | 25 | 27 | 1964 | 21830 |
| MOORE POND DAM | | GA02946 | WILDWOOD PROPERTY OWNERS ASSOCIATION | 24 | 319 | RECREATION | UNKNOWN | BROOKS | GA | 1425 | 890 | 0.59 | -83.574444 | 30.877778 | UNKNOWN | 120 | 26 | 1968 | 21200 |
| MCMILLIAN LAKE DAM | | GA02947 | MCMILLIAN, A. L. SR. | 12 | 115 | RECREATION | UNKNOWN | BROOKS | GA | 770 | 0 | 2.64 | -83.51 | 30.901944 | | 0 | 15.5 | 1971 | 0 |
| SCRUGGS LAKE DAM | | GA02948 | SCRUGGS, JAMES | 18 | 136 | RECREATION | UNKNOWN | BROOKS | GA | 2650 | 190 | 0.09 | -83.355556 | 30.846667 | UNKNOWN | 60 | 22 | 1969 | 29500 |
| DAVIS LAKE DAM | | GA02955 | DAVIS, S. L. | 22 | 111 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 615 | 610 | 0.16 | -83.201389 | 31.642222 | UNKNOWN | 28 | 14.5 | 1959 | 8415 |
| WALKER IRRIGATION POND DAM | | GA02957 | WALKER, CHARLES | 13 | 94 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 570 | 0 | 0.41 | -83.473056 | 31.688333 | | 0 | 11 | 0 | 0 |
| LAND POND DAM | | GA02958 | LAND, JOHNNY | 22 | 81 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 912 | 260 | 0.1 | -83.381944 | 31.72 | UNKNOWN | 16 | 9 | 1964 | 8811 |
| ROSS POND DAM | FREEMAN LAKE DAM | GA02960 | W. E. ROSS & SONS, INC. | 22 | 218 | IRRIGATION | UNKNOWN | IRWIN | GA | 905 | 710 | 0.32 | -83.243889 | 31.580556 | | 0 | 22 | 1978 | 0 |
| TURK LAKE DAM NORTH | | GA02961 | TURK, S. P. | 24 | 80 | RECREATION | UNKNOWN | IRWIN | GA | 642 | 480 | 0.24 | -83.300278 | 31.596667 | UNKNOWN | 24 | 10 | 1957 | 7560 |
| LANGDALE LAKE DAM | | GA02964 | LANGDALE COMPANY | 15 | 1280 | RECREATION | UNKNOWN | LOWNDES | GA | 1470 | 690 | 1.48 | -83.396667 | 30.7625 | UNKNOWN | 75 | 147 | 1968 | 16890 |
| TILLMAN LAKE DAM | LAKE NEVA | GA02965 | TILLMAN, H. Y. | 15 | 299 | FIRE/FARM POND | UNKNOWN | LOWNDES | GA | 520 | 1200 | 0.75 | -83.3575 | 30.919167 | UNKNOWN | 44 | 24 | 1956 | 3696 |
| DERRIS LAKE DAM #1 | | GA02971 | JONES, DERRIS | 24 | 65 | RECREATION | UNKNOWN | TIFT | GA | 820 | 250 | 0.1 | -83.558333 | 31.547778 | UNKNOWN | 24 | 7 | 1976 | 17000 |
| MAR-JAN LAKE DAM | SWEET GEORGIA FARMS LAKE DAM | GA02972 | MORRIS, LEONARD | 25 | 161 | RECREATION | UNKNOWN | TIFT | GA | 490 | 610 | 0.25 | -83.566667 | 31.59 | UNKNOWN | 44 | 16 | 1973 | 15000 |
| WILTONS LAKE DAM | | GA02973 | JONES, WILTON | 27 | 159 | IRRIGATION | UNKNOWN | TIFT | GA | 920 | 2456 | 0.42 | -83.633611 | 31.584722 | UNKNOWN | 90 | 15 | 1979 | 26000 |
| WINFREDS LAKE DAM | | GA02974 | JONES, WINFRED | 16 | 77 | IRRIGATION | UNKNOWN | TIFT | GA | 390 | 1450 | 0.34 | -83.633333 | 31.59 | UNKNOWN | 84 | 10.5 | 1979 | 15000 |
| BROWNLEE LAKE DAM | | GA02975 | BROWNLEE, RONALD | 18 | 126 | IRRIGATION | UNKNOWN | TIFT | GA | 750 | 350 | 0.43 | -83.385 | 31.465 | UNKNOWN | 64 | 21 | 1978 | 35000 |
| GIBBS LAKE DAM | | GA02977 | GIBBS, C. B. | 20 | 109 | RECREATION | UNKNOWN | TURNER | GA | 810 | 630 | 0.25 | -83.573889 | 31.821667 | | 0 | 12.5 | 1969 | 0 |
| NELSON LAKE DAM | | GA02978 | NELSON, JAMES | 21 | 222 | RECREATION | UNKNOWN | TURNER | GA | 1290 | 690 | 0.86 | -83.747222 | 31.656667 | | 0 | 26 | 0 | 0 |
| JONES IRRIGATION POND DAM | H E JONES LAKE DAM | GA02979 | JONES, H. E. JR. | 28 | 122 | RECREATION | UNKNOWN | TURNER | GA | 760 | 320 | 0.15 | -83.67 | 31.692222 | | 0 | 10.5 | 1967 | 0 |
| WYNN LAKE DAM | | GA02980 | WYNN, WAYNE | 16 | 166 | IRRIGATION | UNKNOWN | TURNER | GA | 705 | 0 | 0.37 | -83.601389 | 31.673056 | | 0 | 18 | 1977 | 0 |
| WYNN - HUDGINS POND DAM | ONEAL WYNN LAKE DAM | GA02982 | HUDGINS, GREGORY | 18 | 117 | RECREATION | UNKNOWN | TURNER | GA | 515 | 0 | 0.18 | -83.492222 | 31.69 | | 0 | 11.5 | 1975 | 0 |

| Dam Name | Other Dam Names | NID ID | Owner Name | NID Height (Feet) | NID Storage (Acre-Feet) | Purposes | River or Stream | County | State | Dam Length (Feet) | Maximum Discharge (Cubic Feet/Second) | Drainage Area (Square Miles) | Longitude (decimal degrees) | Latitude (decimal degrees) | Spillway Type | Spillway Width (Feet) | Surface Area (Acres) | Year Completed | Volume of Dam (Cubic yard) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KELLEY LAKE DAM | | GA02986 | KELLY, C. D. | 24 | 247 | IRRIGATION | UNKNOWN | WORTH | GA | 1380 | 850 | 0 | -83.658333 | 31.495278 | | 0 | 26 | 1976 | 0 |
| JONES IRRIGATION POND DAM | | GA03118 | JONES, J. E. | 13 | 75 | RECREATION | UNKNOWN | WILCOX | GA | 680 | 850 | 0.17 | -83.561111 | 32.015833 | | 0 | 12 | 1948 | 0 |
| HOLT POND DAM | | GA03121 | HOLT, HAROLD | 8 | 81 | RECREATION | UNKNOWN | WILCOX | GA | 1695 | 120 | 0.13 | -83.513056 | 31.94 | | 0 | 19.3 | 1965 | 0 |
| SARGENT IRRIGATION POND DAM (SOUTH) | | GA03122 | SARGENT, C. A. | 15 | 98 | IRRIGATION | UNKNOWN | WILCOX | GA | 660 | 480 | 0.45 | -83.609722 | 31.914444 | | 0 | 12 | 1972 | 0 |
| WALKER IRRIGATION POND DAM (SOUTH) | | GA03124 | WALKER, JACK | 12 | 60 | IRRIGATION | UNKNOWN | WILCOX | GA | 531 | 650 | 0 | -83.409444 | 31.865278 | | 0 | 0 | 1977 | 0 |
| MORRISON POND DAM | | GA03125 | MORRISON, JARRETT JR. | 14 | 106 | RECREATION | UNKNOWN | WILCOX | GA | 480 | 400 | 0.28 | -83.473333 | 31.941667 | | 0 | 14 | 1970 | 0 |
| LARRY BROWN LAKE DAM | | GA03381 | BROWN, LARRY | 14 | 116 | IRRIGATION | UNKNOWN | BEN HILL | GA | 600 | 0 | 0.24 | -83.395 | 31.764444 | | 0 | 14.5 | 0 | 0 |
| DORMINY & LUKE LAKE POND DAM | | GA03382 | LUKE, J. WELDON | 11 | 95 | IRRIGATION | UNKNOWN | BEN HILL | GA | 960 | 0 | 1.48 | -83.375833 | 31.7625 | | 0 | 15 | 0 | 0 |
| JACKSON LAKE DAM | | GA03383 | JACKSON, JESSEE | 9 | 262 | FIRE/FARM POND | UNKNOWN | BROOKS | GA | 745 | 0 | 0.4 | -83.683333 | 30.76 | | 0 | 36 | 1960 | 0 |
| LANGDALE CO. LAKE DAM | | GA03386 | LANGDALE CO. | 22 | 209 | FIRE/FARM POND | UNKNOWN | BROOKS | GA | 600 | 0 | 0.3 | -83.493056 | 30.749444 | | 0 | 16.5 | 1965 | 0 |
| CHAPPELL LAKE DAM | | GA03387 | CHAPPELL, JIMMY | 11 | 175 | FIRE/FARM POND | UNKNOWN | BROOKS | GA | 630 | 0 | 4.84 | -83.463056 | 30.858889 | | 0 | 23 | 0 | 0 |
| VICKERS LAKE DAM | | GA03412 | VICKERS, W. A. | 18 | 75 | RECREATION | UNKNOWN | COLQUITT | GA | 580 | 0 | 0.09 | -83.613889 | 31.235833 | | 0 | 7.5 | 1972 | 0 |
| VEREEN LAKE DAM | | GA03416 | VEREEN, HARVEY B. | 14 | 204 | FIRE/FARM POND | UNKNOWN | COLQUITT | GA | 600 | 0 | 0 | -83.765556 | 31.195278 | | 0 | 14.5 | 1960 | 0 |
| W.D. HALL L/D | | GA03420 | MRS. W.D. HALL | 10 | 208 | RECREATION | UNKNOWN | COLQUITT | GA | 550 | 0 | 0 | -83.666111 | 31.283611 | | 0 | 33 | 1940 | 0 |
| GRAY LAKE DAM | | GA03421 | GRAY, JAMES | 14 | 86 | FIRE/FARM POND | UNKNOWN | COLQUITT | GA | 640 | 0 | 0.05 | -83.660278 | 31.328889 | | 0 | 10 | 1973 | 0 |
| LINDSEY LAKE DAM | | GA03422 | MICHAEL L. WILLIS | 13 | 144 | IRRIGATION | UNKNOWN | COLQUITT | GA | 835 | 0 | 0 | -83.558611 | 31.261111 | | 0 | 14 | 1979 | 0 |
| ROWELL LAKE DAM | | GA03423 | ROWELL, L. G. | 12 | 114 | IRRIGATION | UNKNOWN | COLQUITT | GA | 710 | 0 | 0.52 | -83.747222 | 31.131111 | | 0 | 15 | 1955 | 0 |
| COLQUITT COUNTY LAKE DAM | | GA03424 | MOULTRIE COLQUITT COUNTY INDUSTRIAL DEVELOPMENT | 13 | 140 | RECREATION | UNKNOWN | COLQUITT | GA | 825 | 0 | 0.1 | -83.742778 | 31.181667 | | 0 | 17 | 1950 | 0 |
| COBB LAKE DAM | | GA03425 | SOMMER, ROBERT | 12 | 296 | IRRIGATION | UNKNOWN | COLQUITT | GA | 720 | 0 | 0 | -83.688611 | 31.23 | | 0 | 30 | 1966 | 0 |
| ADAMS LAKE DAM | | GA03426 | ADAMS, EUGENE | 11 | 64 | IRRIGATION | UNKNOWN | COLQUITT | GA | 600 | 0 | 0.25 | -83.651944 | 31.247222 | | 0 | 11 | 1968 | 0 |
| SUMNER LAKE DAM | | GA03427 | SUMNER, RONNIE JO | 8 | 63 | FIRE/FARM POND | UNKNOWN | COOK | GA | 920 | 0 | 5.41 | -83.488333 | 31.229444 | | 0 | 15.5 | 1940 | 0 |
| WHITEHURST POND DAM | | GA03428 | MOBLEY PLANT COMPANY | 16 | 400 | IRRIGATION | UNKNOWN | COOK | GA | 1020 | 0 | 0 | -83.467778 | 31.066667 | | 0 | 55 | 0 | 0 |
| CITY OF ADEL LAKE DAM | | GA03429 | CITY OF ADEL | 11 | 128 | OTHER | UNKNOWN | COOK | GA | 1430 | 0 | 0.04 | -83.391111 | 31.12 | | 0 | 28 | 0 | 0 |
| PURVIS LAKE DAM | | GA03430 | PURVIS, FRED | 9 | 255 | FIRE/FARM POND | UNKNOWN | COOK | GA | 690 | 0 | 4.41 | -83.535278 | 31.151944 | | 0 | 23 | 1957 | 0 |
| PAULK LAKE DAM | GRIST LAKE DAM | GA03431 | ALLEN, JAMES | 16 | 95 | IRRIGATION | UNKNOWN | COOK | GA | 360 | 0 | 1.22 | -83.503333 | 31.234167 | | 0 | 11 | 0 | 0 |
| GRIFFIN LAKE DAM | | GA03432 | GRIFFIN, S. E. | 21 | 74 | RECREATION | UNKNOWN | COOK | GA | 720 | 0 | 0.12 | -83.483333 | 31.303333 | | 0 | 8 | 1956 | 0 |
| BETTS LAKE DAM | | GA03433 | BETTS, E. J. | 11 | 56 | RECREATION | UNKNOWN | COOK | GA | 730 | 0 | 0.19 | -83.477222 | 31.264444 | | 0 | 13.5 | 0 | 0 |
| HOGAN IRRIGATION POND DAM | | GA03436 | YARBOROUGH, ROSA LEE | 8 | 131 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 738 | 0 | 2.53 | -83.352778 | 31.645833 | | 0 | 25 | 0 | 0 |
| FLETCHER LAKE DAM | | GA03437 | FLETCHER, FLOYD | 16 | 218 | FIRE/FARM POND | UNKNOWN | TURNER | GA | 790 | 0 | 0 | -83.491944 | 31.626944 | | 0 | 25 | 0 | 0 |
| STRIPLING IRRIGATION POND DAM | | GA03438 | STRIPLING, FLOYD T. | 13 | 79 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 600 | 0 | 0.34 | -83.386389 | 31.634722 | | 0 | 10.5 | 0 | 0 |
| BROWN POND DAM | | GA03439 | BROWN, H. D. | 14 | 102 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 600 | 0 | 0.71 | -83.393056 | 31.640833 | | 0 | 14 | 0 | 0 |
| PATE POND DAM | CLEMENTS LAKE DAM | GA03440 | PATE, L. A. | 12 | 74 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 780 | 0 | 0.6 | -83.386389 | 31.716667 | | 0 | 11.5 | 0 | 0 |
| BILL HARPER IRRIGATION POND DAM | HARPER LAKE DAM | GA03441 | HARPER, BILL | 14 | 205 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 810 | 0 | 0 | -83.226944 | 31.523611 | | 0 | 29 | 0 | 0 |
| THORNBILL LAKE DAM | | GA03453 | THORNBILL, JOHN | 16 | 115 | IRRIGATION | UNKNOWN | TIFT | GA | 755 | 0 | 0.19 | -83.563333 | 31.504722 | | 0 | 12 | 1967 | 0 |
| GARRISON LAKE DAM | | GA03455 | GARRISON, ANDY M. | 18 | 206 | RECREATION | UNKNOWN | TIFT | GA | 470 | 0 | 0.2 | -83.538333 | 31.555 | | 0 | 21 | 1964 | 0 |
| JONES LAKE DAM NO 2 | | GA03456 | JONES, DERRIS | 17 | 131 | IRRIGATION | UNKNOWN | TIFT | GA | 660 | 0 | 0.15 | -83.569722 | 31.565 | | 0 | 12 | 1975 | 0 |
| JONES LAKE DAM NO 3 | | GA03457 | JONES, DERRIS | 16 | 90 | IRRIGATION | UNKNOWN | TIFT | GA | 520 | 0 | 0.23 | -83.575 | 31.564444 | | 0 | 9 | 1979 | 0 |
| PATRICK LAKE DAM | | GA03458 | PATRICK, GIBBS | 11 | 117 | RECREATION | UNKNOWN | TIFT | GA | 685 | 0 | 1.41 | -83.611667 | 31.333889 | | 0 | 20 | 1954 | 0 |
| RUTLAND LAKE DAM SOUTH | | GA03459 | RUTLAND, BRUCE | 15 | 131 | IRRIGATION | UNKNOWN | TIFT | GA | 270 | 0 | 0.3 | -83.508333 | 31.341667 | | 0 | 13 | 1975 | 0 |
| MCALLISTER LAKE DAM | | GA03460 | MCALLISTER, CURTIS | 15 | 152 | RECREATION | UNKNOWN | TIFT | GA | 1230 | 0 | 0.1 | -83.425278 | 31.493333 | | 0 | 16 | 1956 | 0 |
| BOWEN LAKE DAM | | GA03461 | BOWEN, BILL | 9 | 74 | FIRE/FARM POND | UNKNOWN | TIFT | GA | 710 | 0 | 0.77 | -83.428611 | 31.448056 | | 0 | 15.5 | 1939 | 0 |
| BANY LAKE DAM | | GA03462 | BARRY, W. I. | 13 | 176 | FIRE/FARM POND | UNKNOWN | TIFT | GA | 615 | 0 | 0.51 | -83.413333 | 31.426944 | | 0 | 21 | 0 | 0 |
| STONE LAKE DAM | | GA03463 | STONE, CLEO | 9 | 66 | RECREATION | UNKNOWN | TIFT | GA | 520 | 0 | 0.58 | -83.408333 | 31.406944 | | 0 | 13 | 0 | 0 |
| DILLARD LAKE DAM | | GA03465 | COARSEY FARMS | 15 | 136 | IRRIGATION | UNKNOWN | TIFT | GA | 1000 | 0 | 0.09 | -83.428333 | 31.401389 | | 0 | 16 | 0 | 0 |
| HAWES LAKE DAM | | GA03466 | HAWES, W. T. | 10 | 70 | RECREATION | UNKNOWN | TIFT | GA | 565 | 0 | 0.52 | -83.48 | 31.395278 | | 0 | 9 | 1965 | 0 |
| SPRADLEY LAKE DAM | | GA03467 | SPRADLEY, JAMES | 11 | 70 | RECREATION | UNKNOWN | TIFT | GA | 480 | 0 | 0.49 | -83.511111 | 31.386667 | | 0 | 13 | 1960 | 0 |
| JONES LAKE DAM | | GA03468 | JONES FARM | 16 | 192 | IRRIGATION | UNKNOWN | TIFT | GA | 790 | 0 | 0.34 | -83.593333 | 31.421389 | | 0 | 19 | 1970 | 0 |
| MARCHANT LAKE DAM | | GA03469 | MARCHANT, AMOS | 12 | 90 | IRRIGATION | UNKNOWN | TIFT | GA | 710 | 0 | 0.2 | -83.615 | 31.497222 | | 0 | 14 | 1960 | 0 |
| BALDWIN LAKE DAM | | GA03470 | ABRAHAM BALDWIN COLLEGE | 20 | 117 | RECREATION | UNKNOWN | TIFT | GA | 680 | 0 | 0.06 | -83.534444 | 31.485556 | | 0 | 11.5 | 1967 | 0 |
| AGRIRAMA LAKE DAM | | GA03471 | HALL, CHARLES | 10 | 76 | RECREATION | UNKNOWN | TIFT | GA | 540 | 0 | 0.88 | -83.531944 | 31.463889 | | 0 | 16.5 | 1932 | 0 |
| MOORMAN LAKE DAM | | GA03472 | MOORMAN, DAVID | 15 | 126 | IRRIGATION | UNKNOWN | TIFT | GA | 830 | 0 | 0.17 | -83.583333 | 31.381111 | | 0 | 12 | 1976 | 0 |
| MORRIS LAKE DAM | TUCKER LAKE DAM | GA03473 | MORRIS, LEONARD | 14 | 69 | RECREATION | UNKNOWN | TIFT | GA | 560 | 0 | 0.09 | -83.436667 | 31.500556 | | 0 | 9.6 | 1972 | 0 |
| STEPHENS LAKE DAM | | GA03474 | STEPHENS, WALTER | 19 | 244 | IRRIGATION | UNKNOWN | TIFT | GA | 780 | 0 | 0.73 | -83.486111 | 31.52 | | 0 | 18 | 1940 | 0 |
| BEADLES LAKE DAM | | GA03484 | VARNER, JOHN L. | 12 | 66 | RECREATION | UNKNOWN | WORTH | GA | 510 | 0 | 0.57 | -83.756389 | 31.326944 | | 0 | 9.2 | 0 | 0 |
| CITY OF SYLVESTER LAKE | | GA03486 | CITY OF SYLVESTER | 11 | 119 | OTHER | UNKNOWN | WORTH | GA | 3900 | 0 | 0.05 | -83.826111 | 31.511944 | | 0 | 31 | 1971 | 0 |
| CITY OF SYLVESTER LAKE DAM (NORTH) | | GA03487 | CITY OF SYLVESTER | 7 | 119 | OTHER | UNKNOWN | WORTH | GA | 5000 | 0 | 0.05 | -83.805556 | 31.533889 | | 0 | 31.3 | 1971 | 0 |
| BURKETT LAKE DAM | | GA03488 | JENSEN, RAY E. | 12 | 145 | IRRIGATION | UNKNOWN | WORTH | GA | 1320 | 0 | 0.19 | -83.78 | 31.594722 | | 0 | 17.4 | 0 | 0 |
| KNIGHT LAKE DAM | | GA03489 | KNIGHT, WILLIAM R. | 12 | 87 | FIRE/FARM POND | UNKNOWN | WORTH | GA | 810 | 0 | 0.12 | -83.793611 | 31.6025 | | 0 | 10.1 | 0 | 0 |
| KNIGHT LAKE DAM WEST | | GA03490 | KNIGHT, WILLIAM R. | 11 | 91 | FIRE/FARM POND | UNKNOWN | WORTH | GA | 1620 | 0 | 0.28 | -83.799444 | 31.601389 | | 0 | 14.2 | 0 | 0 |
| BROWN LAKE DAM | | GA03491 | BEADLES LUMBER COMPANY | 16 | 121 | RECREATION | UNKNOWN | WORTH | GA | 450 | 0 | 0 | -83.820833 | 31.376111 | | 0 | 13.8 | 0 | 0 |
| SHINGLE FARM SERVICE LAKE DAM | | GA03492 | SUMNER RAINBOW FARM SERVICE, INC. | 21 | 241 | FIRE/FARM POND | UNKNOWN | WORTH | GA | 750 | 0 | 0.11 | -83.805556 | 31.393333 | | 0 | 21.1 | 0 | 0 |
| SIZEMORE LAKE DAM | | GA03495 | SIMS, JOHN JR. | 16 | 135 | IRRIGATION | UNKNOWN | WORTH | GA | 450 | 0 | 0.48 | -83.774444 | 31.476667 | | 0 | 14.7 | 0 | 0 |
| PATTERSON LAKE DAM | | GA03496 | PATTERSON, W. A. | 19 | 127 | RECREATION | UNKNOWN | WORTH | GA | 705 | 0 | 0.34 | -83.717222 | 31.406944 | | 0 | 11 | 0 | 0 |
| WALKER LAKE DAM | | GA03497 | WALKER, JOHN EDWIN | 30 | 151 | RECREATION | UNKNOWN | WORTH | GA | 1110 | 0 | 1.73 | -83.673611 | 31.376944 | | 0 | 19.7 | 0 | 0 |
| WASTE DISPOSAL POND DAM #3 | FITZGERALD CITY DAM | GA03498 | FITZGERALD WATER, LIGHT & BOND COMMISSION | 14 | 152 | OTHER | UNKNOWN | BEN HILL | GA | 3360 | 0 | 0.03 | -83.242778 | 31.7 | | 0 | 18 | 1961 | 0 |
| LAKE BEATRICE DAM | | GA03499 | VICKERS, ELIE | 11 | 750 | RECREATION | UNKNOWN | BEN HILL | GA | 1750 | 2550 | 0 | -83.247222 | 31.655 | | 0 | 132 | 1866 | 0 |
| WASTE DISPOSAL POND DAM # 2 | FITZGERALD DAM # 2 | GA03500 | FITZGERALD WATER, LIGHT & BOND COMMISSION | 9 | 235 | OTHER | UNKNOWN | BEN HILL | GA | 3700 | 0 | 0.04 | -83.255 | 31.699167 | | 0 | 23 | 0 | 0 |
| SIMMS LAKE DAM | | GA03501 | SIMMS, DAVID | 18 | 180 | RECREATION | UNKNOWN | BEN HILL | GA | 610 | 40 | 0.09 | -83.288889 | 31.706667 | | 0 | 13 | 1950 | 0 |
| TUCKER LAKE DAM | | GA03503 | TUCKER, J. C. | 19 | 141 | FIRE/FARM POND | UNKNOWN | BERRIEN | GA | 610 | 0 | 0.26 | -83.180556 | 31.41 | | 0 | 13 | 0 | 0 |
| BOBBEN LAKE DAM | | GA03504 | STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES | 11 | 320 | FIRE/FARM POND | UNKNOWN | BERRIEN | GA | 2120 | 90 | 0.1 | -83.351389 | 31.403333 | | 0 | 64 | 1968 | 0 |
| PATRICK LAKE DAM | | GA03505 | STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES | 11 | 587 | FIRE/FARM POND | UNKNOWN | BERRIEN | GA | 2016 | 1290 | 2.8 | -83.356111 | 31.401389 | | 0 | 104 | 1946 | 0 |
| HORSESHOE 4 LAKE DAM | | GA03506 | STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES | 9 | 150 | FIRE/FARM POND | UNKNOWN | BERRIEN | GA | 1420 | 0 | 0.24 | -83.359722 | 31.394722 | | 0 | 32 | 0 | 0 |
| HORSESHOE 5 LAKE DAM | | GA03507 | STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES | 8 | 112 | FIRE/FARM POND | UNKNOWN | BERRIEN | GA | 860 | 0 | 0.32 | -83.355278 | 31.393333 | | 0 | 28 | 0 | 0 |

| Dam Name | Other Dam Names | NID ID | Owner Name | NID Height (Feet) | NID Storage (Acre-Feet) | Purposes | River or Stream | County | State | Dam Length (Feet) | Maximum Discharge (Cubic Feet/Second) | Drainage Area (Square Miles) | Longitude (decimal degrees) | Latitude (decimal degrees) | Spillway Type | Spillway Width (Feet) | Surface Area (Acres) | Year Completed | Volume of Dam (Cubic yard) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUSSELL LAKE DAM | | GA03508 | STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES | 11 | 155 | FIRE/FARM POND | UNKNOWN | BERRIEN | GA | 1025 | 0 | 0.1 | -83.356667 | 31.392222 | | 0 | 26 | 0 | 0 |
| HAND LAKE DAM | | GA03509 | HAND, J. A. | 15 | 57 | FIRE/FARM POND | UNKNOWN | BERRIEN | GA | 570 | 210 | 0 | -83.416111 | 31.355 | | 0 | 0 | 1975 | 0 |
| MCMILLIAN LAKE DAM | | GA03510 | MCMILLIAN, J. R. | 6 | 83 | FIRE/FARM POND | UNKNOWN | BERRIEN | GA | 920 | 170 | 0.77 | -83.351667 | 31.351389 | | 0 | 21 | 1960 | 0 |
| LINDSEY LAKE DAM | | GA03511 | BRYANT, LONNIE | 9 | 72 | FIRE/FARM POND | UNKNOWN | BERRIEN | GA | 420 | 0 | 2.25 | -83.279444 | 31.31 | | 0 | 11 | 0 | 0 |
| GASKINS LAKE DAM | | GA03512 | GASKINS, A. W. | 14 | 151 | FIRE/FARM POND | UNKNOWN | BERRIEN | GA | 530 | 1600 | 0.55 | -83.333889 | 31.258889 | | 0 | 14 | 1968 | 0 |
| FELIX BURTON LAKE DAM | | GA03513 | BURTON, FELIX L. | 11 | 445 | FIRE/FARM POND | UNKNOWN | BROOKS | GA | 1030 | 0 | 0.8 | -83.547778 | 31.015833 | | 0 | 53 | 0 | 0 |
| LAWSON LAKE DAM WEST | | GA03515 | LAWSON, HOWARD | 15 | 189 | FIRE/FARM POND | UNKNOWN | BROOKS | GA | 620 | 1150 | 4.3 | -83.493889 | 31.961667 | | 0 | 14.5 | 1970 | 0 |
| EASTER PLANTATION LAKE DAM #1 | RIVERBEND PLANTATION LAKE DAM | GA03517 | LUPTON, THOMAS C., TRUSTEE | 11 | 1056 | FIRE/FARM POND | UNKNOWN | BROOKS | GA | 510 | 600 | 1.32 | -83.685 | 30.875278 | | 0 | 133 | 1960 | 0 |
| POPE LAKE DAM | | GA03518 | POPE, BREWER | 17 | 646 | FIRE/FARM POND | UNKNOWN | BROOKS | GA | 675 | 480 | 2.11 | -83.719444 | 30.884167 | | 0 | 56 | 1960 | 0 |
| MATTHEWS LAKE DAM | | GA03519 | MATTHEWS, JEFF | 12 | 89 | FIRE/FARM POND | UNKNOWN | BROOKS | GA | 755 | 116 | 0.63 | -83.731944 | 30.976667 | | 0 | 13 | 1960 | 0 |
| NICHOLS LAKE DAM # 1 | | GA03520 | NICHOLS, T. F. | 8 | 988 | RECREATION | UNKNOWN | BROOKS | GA | 740 | 60 | 0 | -83.65 | 30.958333 | | 0 | 220 | 1880 | 0 |
| BRYAN LAKE DAM | | GA03521 | LUPTON, THOMAS C., TRUSTEE | 21 | 109 | FIRE/FARM POND | UNKNOWN | BROOKS | GA | 780 | 1070 | 0.46 | -83.680556 | 30.914444 | | 0 | 9 | 1966 | 0 |
| LAKE VERNE DAM | | GA03529 | LAKE VERN LAND CORPORATION | 7 | 2131 | RECREATION | UNKNOWN | CLINCH | GA | 740 | 2800 | 0 | -82.816667 | 30.884722 | | 0 | 490 | 1915 | 0 |
| CARDIN LAKE DAM | | GA03531 | CARDIN, K. G. | 14 | 249 | IRRIGATION | UNKNOWN | COLQUITT | GA | 715 | 1700 | 1.86 | -83.6 | 31.0925 | | 0 | 29 | 1969 | 0 |
| SAUNDERS LAKE DAM | ALLEN LAKE DAM | GA03532 | ALLEN, JIMMY | 14 | 307 | FIRE/FARM POND | UNKNOWN | COOK | GA | 740 | 1350 | 2.75 | -83.543611 | 31.125 | | 0 | 46 | 1950 | 0 |
| WEAVER POND DAM | | GA03557 | WEAVER, WAYNE | 8 | 242 | OTHER | UNKNOWN | IRWIN | GA | 765 | 0 | 0.48 | -83.302778 | 31.635833 | | 0 | 57 | 0 | 0 |
| OCILLA FARMS POND DAM | | GA03558 | OCILLA FARMS | 9 | 85 | RECREATION | UNKNOWN | IRWIN | GA | 846 | 0 | 0.28 | -83.280556 | 31.63 | | 0 | 14 | 0 | 0 |
| GOLDEN POND LAKE DAM | TAYLOR LAKE DAM | GA03559 | GOLDEN, FRANCIS | 13 | 65 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 600 | 0 | 0.2 | -83.344444 | 31.72 | | 0 | 7 | 0 | 0 |
| WALTERS LAKE DAM | FOREST ESTATES LAKE DAM | GA03561 | WALTERS, W. EMORY | 20 | 121 | RECREATION | UNKNOWN | IRWIN | GA | 726 | 0 | 0.17 | -83.286667 | 31.654167 | | 0 | 10 | 1973 | 0 |
| MCINTYRE LAKE DAM | | GA03562 | MCINTYRE, WALDO | 8 | 70 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 380 | 0 | 0.44 | -83.389444 | 31.668056 | | 0 | 11 | 1973 | 0 |
| TYLER LAKE DAM | | GA03595 | LOUDERMILK, ROBERT | 18 | 148 | FIRE/FARM POND | UNKNOWN | THOMAS | GA | 1200 | 0 | 0.19 | -83.763889 | 30.892222 | | 0 | 14 | 1962 | 0 |
| WARD LAKE DAM SOUTH | | GA03597 | WARD, MARVIN | 14 | 156 | RECREATION | UNKNOWN | TURNER | GA | 560 | 0 | 0.32 | -83.689444 | 31.731944 | | 0 | 18 | 1964 | 0 |
| WARD LAKE DAM WEST | | GA03598 | WARD, MARVIN | 8 | 76 | RECREATION | UNKNOWN | TURNER | GA | 535 | 0 | 2.87 | -83.718056 | 31.720278 | | 0 | 15 | 1940 | 0 |
| WELLS LAKE DAM | | GA03600 | WELLS, CURTIS | 11 | 111 | IRRIGATION | UNKNOWN | TURNER | GA | 570 | 0 | 0.8 | -83.545278 | 31.660833 | | 0 | 17.3 | 1962 | 0 |
| BAKER LAKE DAM | | GA03601 | BAKER, JAMES G. | 15 | 129 | IRRIGATION | UNKNOWN | TURNER | GA | 1275 | 0 | 0.37 | -83.622222 | 31.615833 | | 0 | 17 | 1954 | 0 |
| SUMNER LAKE DAM | | GA03602 | SUMNER, JAKE | 15 | 161 | IRRIGATION | UNKNOWN | TURNER | GA | 900 | 0 | 0.78 | -83.589444 | 31.614444 | | 0 | 18.5 | 1960 | 0 |
| ODUM LAKE DAM | | GA03603 | ODUM, W. O. | 20 | 116 | RECREATION | UNKNOWN | TURNER | GA | 930 | 0 | 0.09 | -83.529167 | 31.620833 | | 0 | 11 | 1977 | 0 |
| HARDY MILLPOND DAM | | GA03610 | COARSEY, AUSTIN | 12 | 987 | FIRE/FARM POND | UNKNOWN | BERRIEN | GA | 1150 | 0 | 0 | -83.36 | 31.419167 | | 0 | 120 | 0 | 0 |
| MARTIN LAKE DAM | | GA03611 | MARTIN, EUNICE | 16 | 130 | FIRE/FARM POND | UNKNOWN | BERRIEN | GA | 950 | 0 | 0.65 | -83.325 | 31.378056 | | 0 | 17 | 0 | 0 |
| RAYS MILL POND DAM | | GA03613 | BOOTH, LAMAR | 9 | 3562 | RECREATION | UNKNOWN | BERRIEN | GA | 1050 | 0 | 0 | -83.173333 | 31.08 | | 0 | 1008 | 0 | 0 |
| SUMNER MILLPOND DAM | | GA03620 | SUMNER, JOHN | 12 | 248 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 1050 | 0 | 3.92 | -83.225556 | 31.6375 | | 0 | 55 | 0 | 0 |
| PLEASURE LAKE DAM | FLETCHERS LAKE DAM | GA03621 | PLEASURE LAKE, INC. | 11 | 434 | RECREATION | UNKNOWN | IRWIN | GA | 655 | 0 | 0 | -83.390556 | 31.554722 | | 0 | 68 | 0 | 0 |
| FLETCHER IRRIGATION POND DAM | | GA03622 | FLETCHER, CHARLES | 16 | 130 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 650 | 0 | 0 | -83.436944 | 31.619444 | | 0 | 15 | 0 | 0 |
| MCDANIEL POND DAM | | GA03623 | MCDANIEL, C. W. | 15 | 130 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 750 | 0 | 0.17 | -83.422222 | 31.620833 | | 0 | 15 | 0 | 0 |
| BISBIN LAKE DAM | | GA03624 | BISBIN, B.F. | 12 | 58 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 0 | 0 | 0 | -83.468889 | 31.593056 | | 0 | 0 | 0 | 0 |
| LATHON LAKE DAM | | GA03625 | LATHON, W. H. | 19 | 109 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 630 | 0 | 0.09 | -83.495556 | 31.585278 | | 0 | 8 | 1953 | 0 |
| LATHON LAKE DAM NORTH | | GA03626 | LATHON, W. H. | 11 | 91 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 735 | 0 | 0.65 | -83.4875 | 31.588889 | | 0 | 15 | 0 | 0 |
| CHILES LAKE DAM | | GA03627 | CHILES, A. H. | 20 | 74 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 495 | 0 | 0.11 | -83.4875 | 31.580556 | | 0 | 7 | 1975 | 0 |
| BANKS LAKE DAM | | GA03630 | GEORGIA DEPARTMENT OF TRANSPORTATION | 15 | 5018 | RECREATION | UNKNOWN | LANIER | GA | 360 | 0 | 9.38 | -83.097222 | 31.036111 | | 0 | 700 | 1930 | 0 |
| LAKE IRMA DAM | | GA03631 | CITY OF LAKELAND | 13 | 378 | RECREATION | UNKNOWN | LANIER | GA | 475 | 0 | 10.36 | -83.074722 | 31.043333 | | 0 | 25 | 0 | 0 |
| HOWELL LAKE DAM | | GA03632 | HOWELL, DOT | 8 | 78 | FIRE/FARM POND | UNKNOWN | LANIER | GA | 740 | 0 | 0.19 | -83.0675 | 31.066667 | | 0 | 15.5 | 1967 | 0 |
| CARTER LAKE DAM | | GA03633 | BRASWELL, MARY | 11 | 642 | FIRE/FARM POND | UNKNOWN | LANIER | GA | 1210 | 0 | 0.79 | -83.077222 | 30.9625 | | 0 | 88 | 1960 | 0 |
| BEAR GARDEN SWAMP DAM | | GA03635 | NEKOOSA PACKAGING CORP. | 10 | 1804 | OTHER | UNKNOWN | LOWNDES | GA | 1050 | 0 | 5.16 | -83.276389 | 30.658333 | | 0 | 330 | 1969 | 0 |
| CARROLLS POND DAM | BEAR GARDEN SWAMP LAKE DAM (LOWER) | GA03636 | OWENS ILLINOIS CORPORATION | 8 | 80 | OTHER | UNKNOWN | LOWNDES | GA | 600 | 0 | 5.23 | -83.275 | 30.662778 | | 0 | 17.5 | 0 | 0 |
| NEKOOSA PACKAGING LAKE DAM #2 | | GA03637 | NEKOOSA PACKAGING CORP. | 12 | 135 | OTHER | UNKNOWN | LOWNDES | GA | 1200 | 0 | 0.04 | -83.305833 | 30.703333 | | 0 | 24 | 1953 | 0 |
| NEKOOSA PACKAGING | | GA03638 | NEKOOSA PACKAGING CORP. | 11 | 259 | OTHER | UNKNOWN | LOWNDES | GA | 3600 | 0 | 0 | -83.301389 | 30.694444 | | 0 | 72 | 1953 | 0 |
| DELOACH LAKE DAM | | GA03639 | DELOACH, RICHARD | 10 | 142 | RECREATION | UNKNOWN | LOWNDES | GA | 1480 | 0 | 0 | -83.16 | 30.773333 | | 0 | 18 | 1950 | 0 |
| PETERS LAKE DAM | | GA03640 | PETERS, HENRY | 10 | 162 | FIRE/FARM POND | UNKNOWN | LOWNDES | GA | 770 | 0 | 0 | -83.245 | 31.001667 | | 0 | 24 | 1960 | 0 |
| WETHERINGTON LAKE DAM | | GA03641 | FIRST NATIONAL BANK OF GEORGIA | 18 | 139 | RECREATION | UNKNOWN | LOWNDES | GA | 550 | 0 | 0 | -83.356944 | 30.828889 | | 0 | 12 | 1952 | 0 |
| WHITTINGTON LAKE DAM | | GA03667 | WHITTINGTON, ELLIS | 18 | 324 | IRRIGATION | UNKNOWN | TIFT | GA | 1630 | 0 | 0.56 | -83.623333 | 31.362778 | | 0 | 30 | 1978 | 0 |
| WHELCHEL LAKE DAM | | GA03668 | WHELCHEL, GEORGE | 16 | 124 | IRRIGATION | UNKNOWN | TURNER | GA | 455 | 0 | 0.38 | -83.611111 | 31.851111 | | 0 | 11 | 1976 | 0 |
| PATE IRRIGATION DAM | | GA03669 | PATE, JOHN A. | 9 | 202 | RECREATION | UNKNOWN | TURNER | GA | 900 | 0 | 0 | -83.568611 | 31.772222 | | 0 | 32 | 1975 | 0 |
| KENDRICK LAKE DAM | | GA03670 | KENDRICK, W. C. | 10 | 85 | FIRE/FARM POND | UNKNOWN | TURNER | GA | 420 | 0 | 0.67 | -83.515278 | 31.610278 | | 0 | 14 | 1974 | 0 |
| KEEN LAKE DAM | | GA03701 | KEEN, JAMES | 16 | 127 | RECREATION | UNKNOWN | TIFT | GA | 1120 | 0 | 0.07 | -83.517222 | 31.405 | | 0 | 12 | 1970 | 0 |
| ODUM LAKE DAM | | GA03702 | ODUM, J. R. | 17 | 127 | RECREATION | UNKNOWN | WORTH | GA | 560 | 0 | 0.38 | -83.867222 | 31.54 | | 0 | 12 | 0 | 0 |
| WASTE DISPOSAL DAM # 1 | | GA03704 | FITZGERALD WATER, LIGHT & BOND COMMISSION | 10 | 144 | OTHER | UNKNOWN | BEN HILL | GA | 3440 | 0 | 0.03 | -83.236944 | 31.720833 | | 0 | 16 | 1959 | 0 |
| VEQO FARMS IRRIGATION POND | | GA03819 | VEQO FARMS | 11 | 74 | IRRIGATION | UNKNOWN | TURNER | GA | 540 | 0 | 0.71 | -83.564722 | 31.739722 | | 0 | 9 | 1977 | 0 |
| SAPP LAKE DAM | | GA03942 | SAPP, FRANKIN | 7 | 279 | RECREATION | UNKNOWN | BROOKS | GA | 900 | 0 | 0 | -83.575278 | 30.931111 | | 0 | 48.7 | 0 | 0 |
| NEELY LAKE DAM | | GA03943 | NEELY, WAYNE | 16 | 94 | RECREATION | UNKNOWN | BROOKS | GA | 450 | 0 | 0.2 | -83.570278 | 30.821667 | | 0 | 10.1 | 1981 | 0 |
| MARTIN LAKE DAM | | GA03944 | MARTIN, CLOIS A. | 11 | 185 | IRRIGATION | UNKNOWN | BROOKS | GA | 345 | 0 | 0.16 | -83.564167 | 31.051389 | | 0 | 26.2 | 1967 | 0 |
| QUITMAN DISPOSAL POND | | GA03945 | CITY OF QUITMAN | 11 | 185 | OTHER | UNKNOWN | BROOKS | GA | 3900 | 0 | 0.03 | -83.5425 | 30.791667 | | 0 | 19.8 | 1953 | 0 |
| BRICE POND DAM | | GA03947 | WILLIAMS INVESTMENTS, LTD. | 7 | 2925 | RECREATION | UNKNOWN | BROOKS | GA | 5808 | 0 | 0 | -83.615278 | 30.995556 | | 0 | 552 | 0 | 0 |
| BOWEN MILLPOND BROOKS DAM | | GA03949 | MCDONALD, D. B. | 7 | 1425 | RECREATION | UNKNOWN | BROOKS | GA | 1650 | 0 | 2.23 | -83.621389 | 30.786389 | | 0 | 427 | 0 | 0 |
| CREVASSE LAKE DAM | | GA03950 | CREVASSE, WILLIAM T. | 7 | 494 | FIRE/FARM POND | UNKNOWN | BROOKS | GA | 675 | 0 | 0 | -83.583611 | 30.900278 | | 0 | 102 | 1957 | 0 |
| BUD BURTON LAKE DAM | | GA03953 | BURTON, BUD | 19 | 66 | RECREATION | UNKNOWN | BROOKS | GA | 405 | 0 | 0.25 | -83.543333 | 31.049722 | | 0 | 6.4 | 1950 | 0 |
| POPE MILLPOND DAM | | GA03954 | POPE, BREWER | 11 | 560 | FIRE/FARM POND | UNKNOWN | BROOKS | GA | 260 | 0 | 0.94 | -83.727778 | 30.892778 | | 0 | 168 | 0 | 0 |
| HARRIS LAKE DAM | | GA03955 | HARRIS, RUBY | 13 | 256 | FIRE/FARM POND | UNKNOWN | BROOKS | GA | 600 | 0 | 2.69 | -83.502778 | 30.961944 | | 0 | 26 | 1970 | 0 |
| ROSS POND DAM (WHEELER AVE.) | | GA03965 | W. E. ROSS & SONS, INC. | 18 | 158 | RECREATION | UNKNOWN | BEN HILL | GA | 1230 | 0 | 0 | -83.291111 | 31.717222 | | 0 | 16.5 | 1986 | 0 |
| WIDEMAN IRRIGATION POND DAM | | GA03969 | WIDEMAN, TOMMY AND CHARLES H. JR. | 10 | 71 | IRRIGATION | UNKNOWN | BEN HILL | GA | 615 | 0 | 0.1 | -83.4675 | 31.840278 | | 0 | 13 | 0 | 0 |
| ALVIN GRIFFIN IRRIGATION POND DAM SOUTH | | GA03971 | GRIFFIN, ALVIN | 16 | 136 | IRRIGATION | UNKNOWN | BEN HILL | GA | 600 | 0 | 0.21 | -83.396389 | 31.776944 | UNKNOWN | 40 | 16 | 0 | 15000 |
| GRIFFIN & SONS IRRIGATION POND DAM | | GA03976 | THURMAN GRIFFIN & SONS | 12 | 86 | IRRIGATION | UNKNOWN | BEN HILL | GA | 855 | 0 | 0.91 | -83.234722 | 31.701944 | | 0 | 12 | 1980 | 0 |
| 20 ACRE POND | | GA03977 | HOLYOAK, KEN | 10 | 167 | RECREATION | UNKNOWN | BERRIEN | GA | 0 | 0 | 0 | -83.251944 | 31.422222 | | 0 | 20 | 0 | 0 |
| BARTON | | GA03978 | BARTON, G. E. | 26 | 264 | RECREATION | UNKNOWN | BERRIEN | GA | 1140 | 0 | 0 | -83.273611 | 31.445278 | | 0 | 17.5 | 0 | 0 |
| JASON'S POND | | GA03980 | HOLYOAK, KEN | 16 | 214 | RECREATION | UNKNOWN | BERRIEN | GA | 450 | 0 | 0 | -83.244444 | 31.434722 | | 0 | 15 | 0 | 0 |
| CITY OF NASHVILLE OXIDATION POND | | GA03981 | CITY OF NASHVILLE | 9 | 316 | WATER SUPPLY | UNKNOWN | BERRIEN | GA | 4750 | 0 | 0.04 | -83.2625 | 31.205833 | | 0 | 26.5 | 1967 | 0 |

| Dam Name | Other Dam Names | NID ID | Owner Name | NID Height (Feet) | NID Storage (Acre-Feet) | Purposes | River or Stream | County | State | Dam Length (Feet) | Maximum Discharge (Cubic Feet/Second) | Drainage Area (Square Miles) | Longitude (decimal degrees) | Latitude (decimal degrees) | Spillway Type | Spillway Width (Feet) | Surface Area (Acres) | Year Completed | Volume of Dam (Cubic yard) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEAVER POND | | GA03982 | GEORGIA DEPARTMENT OF NATURAL RESOURCES,PARKS AND | 17 | 126 | FISH & WILDLIFE | UNKNOWN | BERRIEN | GA | 690 | 0 | 0.18 | -83.356111 | 31.39 | | 0 | 14.5 | 1978 | 0 |
| TACKLE BUSTER POND | | GA03983 | PATRICK, W. R. | 10 | 92 | FISH & WILDLIFE | UNKNOWN | BERRIEN | GA | 750 | 0 | 0.79 | -83.355 | 31.400556 | | 0 | 18 | 1977 | 0 |
| HORSESHOE LAKE DAM # 3 | | GA03984 | STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES | 13 | 109 | FISH & WILDLIFE | UNKNOWN | BERRIEN | GA | 930 | 0 | 0.16 | -83.363333 | 31.38 | | 0 | 17 | 1977 | 0 |
| HUTCHINSON IRRIGATION POND | | GA03986 | HUTCHINSON, JOE L. | 12 | 87 | RECREATION | UNKNOWN | BERRIEN | GA | 600 | 0 | 1.42 | -83.386389 | 31.378333 | | 0 | 16 | 1964 | 0 |
| PARADISE LAKE DAM | | GA03987 | GEORGIA DEPARTMENT OF NATURAL RESOURCES,PARKS AND | 6 | 127 | RECREATION | UNKNOWN | BERRIEN | GA | 5900 | 0 | 0.06 | -83.358333 | 31.411667 | | 0 | 40 | 0 | 0 |
| RIDDLE POND | | GA03988 | RIDDLE, E. J. | 13 | 390 | RECREATION | UNKNOWN | BERRIEN | GA | 1650 | 0 | 1.2 | -83.346111 | 31.395833 | | 0 | 60 | 1980 | 0 |
| AYERS - MCKEEVER LAKE DAM | TAYLOR | GA03989 | AYERS, THEDA JANE | 7 | 196 | RECREATION | UNKNOWN | BERRIEN | GA | 580 | 0 | 1.22 | -83.303056 | 31.36 | | 0 | 36 | 0 | 0 |
| AVERYS MILL POND | | GA03990 | BEASLEY, PAULINE | 10 | 2006 | RECREATION | UNKNOWN | BERRIEN | GA | 1200 | 0 | 0 | -83.190278 | 31.221667 | | 0 | 83 | 0 | 0 |
| BENTLEY LAKE DAM | | GA03998 | BENTLEY, A. J. | 16 | 295 | RECREATION | UNKNOWN | BROOKS | GA | 915 | 0 | 0 | -83.706667 | 30.908056 | | 0 | 20 | 1989 | 0 |
| SUMNER LAKE DAM | | GA04119 | SUMNER, ROBERT | 9 | 165 | RECREATION | UNKNOWN | COLQUITT | GA | 1620 | 0 | 0 | -83.516667 | 31.324167 | | 0 | 22 | 0 | 0 |
| MATHEWS LAKE DAM | | GA04120 | MATHEWS, DEAN | 7 | 88 | RECREATION | UNKNOWN | COLQUITT | GA | 645 | 0 | 0 | -83.718889 | 31.122778 | | 0 | 18.4 | 0 | 0 |
| SPOONER LAKE DAM | | GA04121 | SPOONER, JOHNNY | 8 | 210 | RECREATION | UNKNOWN | COLQUITT | GA | 0 | 0 | 0 | -83.717778 | 31.102222 | | 0 | 34 | 0 | 0 |
| HOLLOWAY LAKE DAM | | GA04123 | HOLLOWAY, G. H. | 9 | 76 | RECREATION | UNKNOWN | COLQUITT | GA | 600 | 0 | 0 | -83.621111 | 31.188611 | | 0 | 13.3 | 0 | 0 |
| VICKERS LAKE DAM EAST | | GA04124 | VICKERS, W. A. | 11 | 74 | RECREATION | UNKNOWN | COLQUITT | GA | 1250 | 0 | 0.4 | -83.599722 | 31.239722 | | 0 | 12.8 | 0 | 0 |
| NORMAN LAKE DAM | | GA04137 | NORMAN, RUSSELL | 12 | 124 | RECREATION | UNKNOWN | COLQUITT | GA | 590 | 0 | 0.8 | -83.703333 | 31.167222 | | 0 | 14.5 | 0 | 0 |
| GASKINS 5 MILE CREEK LAKE DAM | | GA04139 | GASKIN, RONNIE | 7 | 245 | RECREATION | UNKNOWN | BERRIEN | GA | 810 | 0 | 0 | -83.125556 | 31.216667 | | 0 | 51 | 1930 | 0 |
| HORNE LAKE DAM | | GA04143 | HORNE, DONALD | 13 | 149 | RECREATION | UNKNOWN | COLQUITT | GA | 880 | 0 | 0 | -83.833333 | 31.320278 | | 0 | 16 | 0 | 0 |
| SPRING CREEK LAKE DAM | | GA04146 | WEAVER, JAMES | 25 | 406 | RECREATION | UNKNOWN | COLQUITT | GA | 1040 | 0 | 0.14 | -83.821944 | 31.309444 | | 0 | 30 | 1978 | 0 |
| MCQUEEN LAKE DAM | | GA04148 | GENE MCQUEEN ESTATE | 15 | 482 | RECREATION | UNKNOWN | COLQUITT | GA | 910 | 0 | 4.81 | -83.760278 | 31.095833 | | 0 | 42 | 0 | 0 |
| WILLIAMS LAKE DAM | | GA04158 | WILLIAMS, CHARLES | 16 | 160 | RECREATION | UNKNOWN | CRISP | GA | 510 | 0 | 0 | -83.682222 | 31.651111 | | 0 | 17 | 1990 | 0 |
| CONNELL POND | | GA04180 | CONNELL, JERRY L. AND WILLIAM H. | 7 | 96 | IRRIGATION | UNKNOWN | COOK | GA | 535 | 0 | 1.36 | -82.365 | 31.181389 | | 0 | 35 | 0 | 0 |
| SUMNER ESTATE IRRIGATION POND | | GA04181 | SUMNER, PAUL C. REV. | 8 | 88 | RECREATION | UNKNOWN | COOK | GA | 550 | 0 | 0.57 | -83.404167 | 31.229722 | | 0 | 20 | 1960 | 0 |
| HUTCHINSON MILL POND | | GA04182 | WILLIAMS INVESTMENT COMPANY | 13 | 1140 | RECREATION | UNKNOWN | COOK | GA | 870 | 0 | 0 | -83.351944 | 31.056111 | | 0 | 175 | 0 | 0 |
| KENNETH SMITH IRRIG. POND DAM | | GA04197 | GREEN, BOBBY | 21 | 265 | RECREATION | UNKNOWN | CRISP | GA | 1500 | 0 | 0.49 | -83.695 | 31.828611 | | 0 | 22 | 1982 | 0 |
| RIVER ANGLE | | GA04253 | PEARCE, ROY | 21 | 160 | RECREATION | UNKNOWN | ECHOLS | GA | 495 | 0 | 0 | -83.061944 | 30.66 | | 0 | 15 | 1986 | 0 |
| JOSEPH FLETCHER IRRIGATION DAM | | GA04319 | FLETCHER, JOSEPH | 15 | 210 | IRRIGATION | UNKNOWN | IRWIN | GA | 996 | 0 | 0.34 | -83.4325 | 31.570833 | | 0 | 26 | 1981 | 0 |
| K.A. & LEROY VEAL IRRIGATION POND DAM | | GA04320 | VEAL, K. A. AND LEROY | 10 | 118 | IRRIGATION | UNKNOWN | IRWIN | GA | 945 | 0 | 0.17 | -83.194722 | 31.576667 | | 0 | 18 | 1980 | 0 |
| MOREHEAD IRRIGATION POND DAM | | GA04321 | MOREHEAD, JOHN C. | 10 | 130 | IRRIGATION | UNKNOWN | IRWIN | GA | 1200 | 0 | 0.22 | -83.345 | 31.669444 | | 0 | 25 | 1981 | 0 |
| POPE POND DAM | | GA04322 | POPE, LEONARD | 13 | 80 | FIRE/FARM POND | UNKNOWN | IRWIN | GA | 680 | 0 | 0.55 | -83.1625 | 31.595556 | | 0 | 10 | 1979 | 0 |
| GREEN POND DAM | | GA04323 | GREEN, MARION | 13 | 104 | RECREATION | UNKNOWN | IRWIN | GA | 636 | 0 | 1.23 | -83.234444 | 31.510833 | | 0 | 13.3 | 0 | 0 |
| H. DAVIS POND DAM | DAVIS POND DAM | GA04324 | DAVIS, H. L. | 17 | 106 | RECREATION | UNKNOWN | IRWIN | GA | 720 | 0 | 0.14 | -83.338889 | 31.726389 | | 0 | 10.6 | 0 | 0 |
| FULLER IRRIGATION POND DAM SOUTH | | GA04329 | FULLER, A. T. | 17 | 78 | IRRIGATION | UNKNOWN | IRWIN | GA | 930 | 0 | 0.13 | -83.4225 | 31.734722 | | 0 | 7 | 1982 | 0 |
| SUNSET LAKE DAM | | GA04344 | CITY OF QUITMAN | 12 | 50 | RECREATION | UNKNOWN | BROOKS | GA | 600 | 0 | 0 | -83.573611 | 30.780278 | | 0 | 4.1 | 1951 | 0 |
| OLD DISMUKES POND DAM | | GA04639 | HENDLEY, BOBBY | 12 | 66 | RECREATION | UNKNOWN | IRWIN | GA | 375 | 0 | 0.28 | -83.275556 | 31.641111 | | 0 | 10 | 0 | 0 |
| JOHN AUBREY HARPER IRRIGATION DAM | | GA04641 | HARPER, JOHN AUBREY | 15 | 131 | IRRIGATION | UNKNOWN | IRWIN | GA | 920 | 0 | 0.25 | -83.182778 | 31.528333 | | 0 | 15 | 0 | 0 |
| LAYTON CABIN POND DAM | | GA04642 | LAYTON, H. L. | 12 | 88 | RECREATION | UNKNOWN | IRWIN | GA | 660 | 0 | 0.43 | -83.484722 | 31.592778 | | 0 | 14 | 0 | 0 |
| PAULK POND DAM (EAST) | | GA04661 | PAULK, ELMER | 13 | 90 | RECREATION | UNKNOWN | IRWIN | GA | 624 | 0 | 0.32 | -83.177778 | 31.585278 | | 0 | 12 | 0 | 0 |
| BOBBY BROWN LAKE DAM | | GA04706 | BROWN, BOBBY | 7 | 121 | RECREATION | UNKNOWN | WORTH | GA | 615 | 0 | 0 | -83.740278 | 31.603611 | | 0 | 18.4 | 0 | 0 |
| NORTHLAKE EST., INC. LAKE DAM | KNIGHT LAKE DAM | GA04707 | NORTHLAKE EST. INC. | 17 | 150 | RECREATION | UNKNOWN | WORTH | GA | 840 | 0 | 0.74 | -83.831111 | 31.572778 | | 0 | 19.3 | 1978 | 0 |
| SELPH IRRIGATION POND DAM | | GA04725 | SELPH, DONALD E. | 14 | 138 | IRRIGATION | UNKNOWN | WILCOX | GA | 475 | 0 | 1.84 | -83.531944 | 31.072778 | | 0 | 16 | 1978 | 0 |
| FLAKE & MCCARVEY POND DAM | | GA04726 | FLAKE, DAVID | 15 | 104 | RECREATION | UNKNOWN | WILCOX | GA | 480 | 0 | 0.13 | -83.564444 | 31.925 | | 0 | 12.5 | 0 | 0 |
| SARGENT IRRIGATION POND DAM (NORTH) | | GA04727 | SARGENT, C. A. | 15 | 84 | IRRIGATION | UNKNOWN | WILCOX | GA | 990 | 0 | 0.14 | -83.612222 | 31.922222 | | 0 | 11 | 1975 | 0 |
| WARREN POND DAM (HWY 233) | | GA04728 | WARREN, ELLA | 11 | 65 | RECREATION | UNKNOWN | WILCOX | GA | 405 | 0 | 0.29 | -83.425556 | 31.859722 | | 0 | 9 | 1982 | 0 |
| WARREN POND DAM | | GA04729 | WARREN, ELLA | 10 | 72 | RECREATION | UNKNOWN | WILCOX | GA | 375 | 0 | 0.18 | -83.511111 | 31.881389 | | 0 | 13.5 | 1952 | 0 |
| JONES IRRIGATION POND DAM (SOUTH) | | GA04730 | JONES, J. E. | 13 | 71 | RECREATION | UNKNOWN | WILCOX | GA | 610 | 0 | 0.12 | -83.529167 | 31.881111 | | 0 | 38 | 0 | 0 |
| WALKER IRRIGATION POND DAM (NORTH) | | GA04732 | WALKER, JACK | 12 | 71 | IRRIGATION | UNKNOWN | WILCOX | GA | 705 | 0 | 0.2 | -83.418056 | 31.874167 | | 0 | 10 | 1979 | 0 |
| ALAPAHA DAM | | GA04836 | LAKE ALAPAHA DEVELOPMENT CORPORATION | 16 | 2700 | RECREATION | UNKNOWN | LOWNDES | GA | 350 | 0 | 0 | -83.036111 | 30.890833 | | 0 | 350 | 1987 | 0 |
| GRIFFIN & CARROLL LAKE DAM | | GA04845 | GRIFFIN, HILDA CARROLL | 15 | 197 | RECREATION | UNKNOWN | LOWNDES | GA | 510 | 0 | 0.42 | -83.225556 | 30.690556 | | 0 | 28 | 0 | 0 |
| SUNSET LAKE DAM | | GA04846 | MATERA INVESTORS, INC. | 12 | 136 | RECREATION | UNKNOWN | LOWNDES | GA | 635 | 0 | 0 | -83.250833 | 30.656944 | | 0 | 12 | 0 | 0 |
| NEKOOSA PACKAGING WASTE WATER POND | | GA04847 | NEKOOSA PACKAGING CORP. | 10 | 140 | RECREATION | UNKNOWN | LOWNDES | GA | 730 | 0 | 0 | -83.293056 | 30.683333 | | 0 | 18 | 0 | 0 |
| VALDOSTA OXIDATION POND | | GA04849 | CITY OF VALDOSTA | 11 | 281 | RECREATION | UNKNOWN | LOWNDES | GA | 2730 | 0 | 0.04 | -83.263889 | 30.802222 | | 0 | 22 | 0 | 0 |
| BOYETTE GIN POND (UPPER) | | GA04850 | BOYETTE, KENNETH | 9 | 120 | RECREATION | UNKNOWN | LOWNDES | GA | 365 | 0 | 0.7 | -83.350556 | 31.018889 | | 0 | 20.9 | 1964 | 0 |
| BOYETTE LOWER POND | | GA04851 | BOYETTE, N. A. | 13 | 69 | RECREATION | UNKNOWN | LOWNDES | GA | 2800 | 0 | 0.77 | -83.350556 | 31.018889 | | 0 | 10.6 | 1964 | 0 |
| LILLY POND DAM | | GA04852 | EYE, FRANK | 12 | 345 | RECREATION | UNKNOWN | LOWNDES | GA | 885 | 0 | 1.3 | -83.2125 | 30.65 | | 0 | 55 | 1964 | 0 |
| BEAR GARDEN SWAMP | | GA04853 | NEKOOSA PACKAGING CORP. | 9 | 116 | RECREATION | UNKNOWN | LOWNDES | GA | 300 | 0 | 2.81 | -83.277778 | 30.673333 | | 0 | 20 | 0 | 0 |
| WHITEWATER LAKE DAM (LOWER) | | GA04854 | WHITEWATER HUNTING CLUB | 11 | 239 | RECREATION | UNKNOWN | LOWNDES | GA | 500 | 0 | 2.5 | -83.255 | 30.673611 | | 0 | 38 | 0 | 0 |
| SHILOH LAKE DAM | | GA04856 | ASHLEY PAULK, INC. | 13 | 281 | RECREATION | UNKNOWN | LOWNDES | GA | 705 | 0 | 3.59 | -83.25 | 31.006111 | | 0 | 40 | 1980 | 0 |
| ELKS LAKE DAM (EAST) | | GA04857 | LAKE SHERI HOMEOWNERS ASSOCIATION, INC. | 20 | 147 | RECREATION | UNKNOWN | LOWNDES | GA | 675 | 0 | 0 | -83.329722 | 30.850833 | | 0 | 12 | 1968 | 0 |
| WETHERINGTON POND | | GA04858 | WETHERINGTON, JAMES O. | 8 | 70 | RECREATION | UNKNOWN | LOWNDES | GA | 480 | 0 | 0 | -83.251667 | 30.689722 | | 0 | 16 | 0 | 0 |
| LAKE JOREE MILLPOND DAM | | GA04859 | LAKE JOREE | 8 | 85 | RECREATION | UNKNOWN | LOWNDES | GA | 615 | 0 | 2.61 | -83.309722 | 30.865556 | | 0 | 19 | 1900 | 0 |
| BALFOUR LAND COMPANY LAKE DAM NO 1 | | GA04991 | BALFOUR LAND COMPANY | 20 | 179 | RECREATION | UNKNOWN | THOMAS | GA | 765 | 0 | 0.44 | -83.033333 | 30.831111 | | 0 | 13.5 | 1983 | 0 |
| ALLEN LAKE DAM | | GA05006 | ALLEN, H. B. | 15 | 125 | RECREATION | UNKNOWN | TIFT | GA | 540 | 0 | 0.32 | -83.514722 | 31.566111 | | 0 | 14.7 | 1966 | 0 |
| BRIGHTON LAKE DAM | | GA05007 | SUNBELT PROPERTIES, INC. | 14 | 339 | RECREATION | UNKNOWN | TIFT | GA | 2200 | 0 | 1.71 | -83.426111 | 31.511111 | | 0 | 44.5 | 0 | 0 |
| SMITH LAKE DAM | | GA05008 | LEONARD MORRIS COMPANY | 10 | 124 | RECREATION | UNKNOWN | TIFT | GA | 640 | 0 | 0.66 | -83.432778 | 31.505 | | 0 | 21.6 | 1974 | 0 |
| GIBBS PATRICK IRRIGATION POND | | GA05009 | PATRICK, GIBBS | 14 | 131 | IRRIGATION | UNKNOWN | TIFT | GA | 750 | 0 | 0.87 | -83.571389 | 31.371389 | | 0 | 16.5 | 1981 | 0 |
| BLALOCK IRRIGATION POND DAM | | GA05010 | BLALOCK, T. W. | 15 | 106 | RECREATION | UNKNOWN | TIFT | GA | 655 | 0 | 0.95 | -83.568333 | 31.498611 | | 0 | 12 | 1977 | 0 |
| KELLY IRRIGATION POND | | GA05011 | KELLY, C. D. | 10 | 100 | RECREATION | UNKNOWN | TIFT | GA | 755 | 0 | 0.6 | -83.644444 | 31.595278 | | 0 | 13.5 | 0 | 0 |
| WALKER POND | | GA05012 | WALKER, JAMES M. JR. | 10 | 89 | RECREATION | UNKNOWN | TIFT | GA | 700 | 0 | 1.38 | -83.465278 | 31.486944 | | 0 | 15 | 1977 | 0 |
| KMC IRRIGATION POND DAM NORTH | | GA05013 | KELLY MANUFACTURING COMPANY | 19 | 107 | IRRIGATION | UNKNOWN | TIFT | GA | 1770 | 0 | 0.47 | -83.443889 | 31.541111 | | 0 | 5.6 | 1978 | 0 |
| PARRISH IRRIGATION POND DAM #1 | | GA05014 | PARRISH FARMS INC. | 16 | 475 | IRRIGATION | UNKNOWN | TIFT | GA | 1830 | 0 | 0.53 | -83.6075 | 31.447778 | | 0 | 55 | 1977 | 0 |
| PARRISH IRRIGATION POND #2 | | GA05015 | PARRISH FARMS INC. | 16 | 105 | IRRIGATION | UNKNOWN | TIFT | GA | 900 | 0 | 0.2 | -83.633889 | 31.443333 | | 0 | 12 | 1977 | 0 |
| BOWEN IRRIGATION POND DAM | | GA05016 | BOWEN, BILL | 10 | 87 | RECREATION | UNKNOWN | TIFT | GA | 425 | 0 | 0.33 | -83.408333 | 31.438889 | | 0 | 14 | 0 | 0 |
| CARSON IRRIGATION POND DAM | | GA05017 | CARSON, LANIER | 21 | 194 | RECREATION | UNKNOWN | TIFT | GA | 1450 | 0 | 0.1 | -83.448611 | 31.5425 | | 0 | 20 | 0 | 0 |

| Dam Name | Other Dam Names | NID ID | Owner Name | NID Height (Feet) | NID Storage (Acre-Feet) | Purposes | River or Stream | County | State | Dam Length (Feet) | Maximum Discharge (Cubic Feet/Second) | Drainage Area (Square Miles) | Longitude (decimal degrees) | Latitude (decimal degrees) | Spillway Type | Spillway Width (Feet) | Surface Area (Acres) | Year Completed | Volume of Dam (Cubic yard) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARNETT POND DAM | | GA05018 | ARNETT, GEORGE | 10 | 77 | RECREATION | UNKNOWN | TIFT | GA | 750 | 0 | 0.26 | -83.463056 | 31.473056 | | 0 | 11 | 0 | 0 |
| SUMMERS BIG CYPRESS POND | | GA05019 | SUMMERS, C. R. | 8 | 156 | RECREATION | UNKNOWN | TIFT | GA | 900 | 0 | 0.37 | -83.623611 | 31.579167 | | 0 | 35 | 1977 | 0 |
| DUNN IRRIGATION POND | | GA05020 | DUNN, LARRY | 7 | 109 | IRRIGATION | UNKNOWN | TIFT | GA | 1125 | 0 | 0 | -83.586111 | 31.353333 | | 0 | 25 | 1930 | 0 |
| SMITH IRRIGATION POND | | GA05021 | SMITH, JOHN ALLEN | 13 | 84 | IRRIGATION | UNKNOWN | TIFT | GA | 600 | 0 | 0.22 | -83.625556 | 31.588611 | | 0 | 13.5 | 1974 | 0 |
| H. C. BRANCH IRRIGATION POND DAM | | GA05022 | BRANCH, H. C. | 13 | 110 | RECREATION | UNKNOWN | TIFT | GA | 585 | 0 | 0.54 | -83.534722 | 31.573056 | | 0 | 11 | 0 | 0 |
| BRUMBY POND | | GA05023 | BRUMBY, MIKE | 15 | 105 | RECREATION | UNKNOWN | TIFT | GA | 825 | 0 | 0.27 | -83.463889 | 31.551944 | | 0 | 14 | 0 | 0 |
| BOWEN IRRIGATION POND DAM WEST | | GA05024 | BOWEN, BILL | 16 | 165 | RECREATION | UNKNOWN | TIFT | GA | 825 | 0 | 0.31 | -83.460278 | 31.446111 | | 0 | 17 | 1981 | 0 |
| PONDER FARM LAKE DAM | | GA05025 | COASTAL PLAINS EXPERIMENT STATION | 12 | 67 | IRRIGATION | UNKNOWN | TIFT | GA | 570 | 0 | 0.49 | -83.641111 | 31.500278 | | 0 | 11 | 1968 | 0 |
| H. C. DODSON INC. IRRIGATION POND | | GA05026 | H. C. DODSON, INC. | 10 | 102 | IRRIGATION | UNKNOWN | TIFT | GA | 690 | 0 | 1.28 | -83.590278 | 31.404722 | | 0 | 9 | 0 | 0 |
| GIDDENS POND DAM | | GA05060 | GIDDENS, GARLAND | 10 | 58 | RECREATION | UNKNOWN | TURNER | GA | 350 | 0 | 0 | -83.688333 | 31.611944 | | 0 | 12 | 1949 | 0 |
| KENDRICK IRRIGATION DAM # 2 | | GA05061 | KENDRICK, W. C. | 17 | 61 | RECREATION | UNKNOWN | TURNER | GA | 600 | 0 | 0.11 | -83.5375 | 31.629167 | | 0 | 8 | 1980 | 0 |
| WHELCHEL IRRIGATION POND | | GA05062 | WHELCHEL, GEORGE | 16 | 110 | RECREATION | UNKNOWN | TURNER | GA | 495 | 0 | 0.5 | -83.596389 | 31.848333 | | 0 | 13 | 1977 | 0 |
| SUMNER IRRIGATION POND # 2 | | GA05063 | SUMNER, JAKE | 12 | 55 | RECREATION | UNKNOWN | TURNER | GA | 670 | 0 | 0.16 | -83.602222 | 31.62 | | 0 | 10 | 1980 | 0 |
| LEGG POND DAM | | GA05064 | LEGG, L. P. | 9 | 65 | RECREATION | UNKNOWN | TURNER | GA | 700 | 0 | 2.66 | -83.515833 | 31.756389 | | 0 | 14 | 1977 | 0 |
| GORDAY IRRIGATION POND DAM | | GA05065 | GORDAY, H. R. | 17 | 76 | RECREATION | UNKNOWN | TURNER | GA | 700 | 0 | 0.12 | -83.541667 | 31.778333 | | 0 | 15 | 1979 | 0 |
| VEQO FARMS IRRIGATION POND DAM (EAST) | | GA05066 | VEQO FARMS | 10 | 103 | RECREATION | UNKNOWN | TURNER | GA | 500 | 0 | 1.06 | -83.546389 | 31.738889 | | 0 | 15 | 1973 | 0 |
| REINHARDT IRRIGATION POND DAM (UPPER) | | GA05067 | REINHARDT, MILDRED ELROD | 16 | 106 | RECREATION | UNKNOWN | TURNER | GA | 660 | 0 | 0.14 | -83.546389 | 31.695833 | | 0 | 12 | 1977 | 0 |
| KELLY POND DAM | | GA05068 | KELLY, C. D. | 17 | 204 | RECREATION | UNKNOWN | TURNER | GA | 830 | 0 | 0.59 | -83.629722 | 31.640278 | | 0 | 23 | 0 | 0 |
| WIGGINS POND DAM | | GA05070 | WIGGINS, ROY | 11 | 62 | RECREATION | UNKNOWN | TURNER | GA | 600 | 0 | 1.23 | -83.598056 | 31.656111 | | 0 | 11 | 1980 | 0 |
| M M WALKER IRRIGATION POND DAM | | GA05125 | WALKER, M. M. | 9 | 81 | IRRIGATION | UNKNOWN | IRWIN | GA | 546 | 0 | 0.75 | -83.353889 | 31.734167 | | 0 | 11.5 | 0 | 0 |
| DUNCAN & HOWELL LAKE DAM | | GA05126 | HOWARD, WYNELLE | 15 | 132 | RECREATION | UNKNOWN | IRWIN | GA | 450 | 0 | 0 | -83.403333 | 31.676944 | | 0 | 10 | 1986 | 0 |
| CARTER IRRIGATION POND DAM | | GA05140 | CARTER, J. W. "DUB" | 20 | 82 | IRRIGATION | UNKNOWN | TURNER | GA | 630 | 0 | 0.19 | -83.5125 | 31.695556 | | 0 | 12.8 | 0 | 0 |
| PHILLIPS IRRIGATION POND | | GA05176 | | 12 | 138 | IRRIGATION | UNKNOWN | BEN HILL | GA | 710 | 0 | 0 | -83.310278 | 31.708333 | | 0 | 20 | 0 | 0 |
| LOWER DALE POND DAM | | GA05211 | CURTIS, DALE | 14 | 131 | RECREATION | UNKNOWN | IRWIN | GA | 1400 | 0 | 0 | -83.328611 | 31.731389 | | 0 | 17 | 0 | 0 |
| COTTLE IRRIGATION POND DAM | | GA05220 | COTTLE, TOMMY E. | 20 | 186 | IRRIGATION | UNKNOWN | TIFT | GA | 1200 | 0 | 0 | -83.613889 | 31.472222 | | 0 | 15 | 1992 | 0 |
| CARTER IRRIGATION POND DAM | | GA05242 | | 20 | 130 | | UNKNOWN | TURNER | GA | 630 | 0 | 0.19 | -83.5125 | 31.695556 | | 0 | 12.8 | 1948 | 0 |
| SAND HAMMOCK LAKE DAM | | GA05243 | WEBB, HUGH | 17 | 115 | RECREATION | UNKNOWN | TIFT | GA | 710 | 0 | 0 | -83.574444 | 31.448611 | | 0 | 12 | 1978 | 0 |
| MCEACHIN IRRIGATION POND DAM #2 | | GA05256 | MCEACHIN, W. F. | 12 | 172 | IRRIGATION | UNKNOWN | IRWIN | GA | 2112 | 0 | 0.91 | -83.226944 | 31.65 | | 0 | 17 | 1982 | 0 |
| PROPOSED DIXON | | GA05427 | DIXON, STEVE | 19 | 798 | RECREATION | UNKNOWN | BERRIEN | GA | 0 | 0 | 0 | -83.259167 | 31.379167 | | 0 | 62 | 0 | 0 |
| PROPOSED GASKINS | | GA05428 | GASKINS, DOUG | 12 | 240 | RECREATION | UNKNOWN | BERRIEN | GA | 0 | 0 | 0 | -83.344167 | 31.288889 | | 0 | 25 | 0 | 0 |
| PROPOSED J. A. NORMAN LAKE DAM | | GA05487 | NORMAN, J. A. | 15 | 142 | RECREATION | UNKNOWN | COLQUITT | GA | 0 | 0 | 0 | -83.723889 | 31.160556 | | 0 | 15 | 0 | 0 |
| NETTLES LAKE DAM | | GA05498 | NETTLES, RANDY | 12 | 96 | RECREATION | UNKNOWN | BROOKS | GA | 0 | 0 | 0 | -83.496667 | 30.854444 | | 0 | 13 | 0 | 0 |
| DIXON LAKE DAM | | GA05499 | DIXON, STEVE | 24 | 798 | RECREATION | UNKNOWN | BERRIEN | GA | 900 | 0 | 0 | -83.259167 | 31.379167 | | 0 | 62 | 0 | 0 |
| SUWANNEE RIVER SILL | | GA10014 | DOI FWS | 13 | 325000 | FISH & WILDLIFE | UNKNOWN | CHARLTON | GA | 23760 | 0 | 650 | -82.411667 | 30.811667 | CONTROLLED | 0 | 0 | 1958 | 0 |
| CELLON DAM | - | FL00438 | ROY CELLON | 12 | 64 | FIRE PROTECTION, STOCK, OR SMALL FISH POND | UNKNOWN | ALACHUA | FL | 250 | 0 | 0 | -82.41192 | 29.872036 | - | 0 | 0 | 1950 | 0 |
| SANTA FE RIVER RANCH DAM | - | FL00143 | SANTA FE RIVER RANCH | 11 | 54 | OTHER | UNKNOWN | ALACHUA | FL | 490 | 0 | 0 | -82.48 | 29.91 | - | 0 | 0 | 1963 | 0 |
| TRAIL RIDGE PLANT SETTLING AREA | - | FL00700 | DUPONT-TRAIL RIDGE PLANT | 20 | 1865 | OTHER | UNKNOWN | BRADFORD | FL | 10000 | 0 | 0 | -82.04 | 29.91 | - | 0 | 0 | 1976 | 0 |
| HORTON DAM | - | FL00550 | C.C.HORTON | 20 | 200 | RECREATION | UNKNOWN | COLUMBIA | FL | 535 | 0 | 0 | -82.551546 | 29.953389 | - | 0 | 0 | 1970 | 0 |
| L.P.HILL DAM | HILL DAM | FL00140 | L.P. HILL | 20 | 240 | IRRIGATION | UNKNOWN | COLUMBIA | FL | 910 | 878 | 0.75 | -82.609813 | 30.171412 | UNKNOWN | 50 | 0 | 1966 | 35038 |
| L.P.HILL DAM #2 | NONE | FL00554 | L.P. HILL | 21 | 74 | IRRIGATION | UNKNOWN | COLUMBIA | FL | 300 | 130 | 0.62 | -82.607083 | 30.173298 | UNKNOWN | 65 | 0 | 1954 | 6550 |
| LOPER PEAT | PUMP LOCATION | FL53000 | WILLIAM LOPEZ | 9 | 240 | FLOOD CONTROL | UNKNOWN | MADISON | FL | 220 | 25 | 130 | -83.34 | 30.24 | CONTROLLED | 20 | 34 | 1986 | 86000 |
| SUWANNEE LAKE DM | SUWANNEE LAKE | FL00139 | SUWANNEE CO.CO | 18 | 312 | FLOOD CONTROL | UNKNOWN | SUWANNEE | FL | 240 | 80 | 1.1 | -82.930739 | 30.299152 | UNKNOWN | 40 | 0 | 1966 | 12036 |
| SA 14 S.R. | SR14 | FL11080 | PCS | 28 | 30000 | TAILINGS | UNKNOWN | HAMILTON | FL | 28000 | 220 | 2.5 | -82.7542 | 30.3847 | CONTROLLED | 64 | 1614 | 2000 | 1630000 |
| SA 13 S.R. | SR13 | FL10001 | PCS | 29 | 14000 | TAILINGS | UNKNOWN | HAMILTON | FL | 18868 | 220 | 1 | -82.7557 | 30.4045 | CONTROLLED | 64 | 636 | 2000 | 1095700 |
| SA 4 S.C. | - | FL10006 | PCS | 31 | 34000 | TAILINGS | UNKNOWN | HAMILTON | FL | 27368 | 220 | 2.14 | -82.837 | 30.4054 | CONTROLLED | 64 | 1418 | 1986 | 2010000 |
| SA 12 S.R. | SR12 | FL10000 | PCS | 29 | 20000 | TAILINGS | UNKNOWN | HAMILTON | FL | 17700 | 220 | 901 | -82.7556 | 30.413 | CONTROLLED | 64 | 901 | 1982 | 820000 |
| OCCIDENTAL CHEMICAL CO DAM | SWIFT CREEK DAM | FL00441 | OCCIDENTAL CHEMICAL CO | 22 | 4352 | OTHER | UNKNOWN | HAMILTON | FL | 19008 | 0 | 0 | -82.81 | 30.42 | - | 0 | 0 | 1970 | 0 |
| DOCP2 | - | FL10011 | PCS | 12 | 5000 | - | UNKNOWN | HAMILTON | FL | 8000 | 110 | 0.31 | -82.79 | 30.42 | CONTROLLED | 32 | 200 | 0 | 10667 |
| DOCP1 | - | FL10010 | PCS | 12 | 5000 | - | UNKNOWN | HAMILTON | FL | 8000 | 110 | 0.31 | -82.78 | 30.42 | CONTROLLED | 32 | 200 | 0 | 10667 |
| SA 8A S.C. | SC8B | FL10008 | PCS | 35 | 16700 | TAILINGS | UNKNOWN | HAMILTON | FL | 15100 | 220 | 0.82 | -82.8255 | 30.422 | CONTROLLED | 64 | 524 | 1994 | 1460900 |
| SA 3 S.C. | - | FL10005 | PCS | 29 | 23000 | TAILINGS | UNKNOWN | HAMILTON | FL | 19830 | 220 | 1.39 | -82.8532 | 30.4225 | CONTROLLED | 64 | 973 | 0 | 1151609 |
| ALTMAN BAY DAM | - | FL00443 | OCCIDENTAL CHEMICAL CO | 27 | 56320 | OTHER | UNKNOWN | HAMILTON | FL | 99999 | 0 | 0 | -82.772071 | 30.423866 | - | 0 | 0 | 1970 | 0 |
| SA 8B S.C. | SC8B | FL10020 | PCS | 34 | 42000 | TAILINGS | UNKNOWN | HAMILTON | FL | 4106 | 220 | 206 | -82.8299 | 30.4246 | CONTROLLED | 64 | 1320 | 1999 | 206 |
| SA 9 S.R. | SR9 | FL10024 | PCS | 30 | 3200 | TAILINGS | UNKNOWN | HAMILTON | FL | 6500 | 220 | 0.21 | -82.7565 | 30.4245 | CONTROLLED | 64 | 137 | 1978 | 430000 |
| SA 6A S.C. | SCGA | FL10007 | PCS | 38 | 24000 | TAILINGS | UNKNOWN | HAMILTON | FL | 22300 | 220 | 1.13 | -82.8149 | 30.425 | CONTROLLED | 64 | 724 | 1992 | 2023500 |
| SCGYPSUM | - | FL10004 | PCS | 105 | 52500 | - | UNKNOWN | HAMILTON | FL | 22000 | 110 | 0.78 | -82.87 | 30.43 | CONTROLLED | 32 | 500 | 0 | 256667 |
| SA 1 S.R. | SR1 | FL00721 | PCS | 24 | 2400 | TAILINGS | UNKNOWN | HAMILTON | FL | 10685 | 220 | 0.19 | -82.7741 | 30.4294 | CONTROLLED | 64 | 124 | 1965 | 455900 |
| SC 1,2 | - | FL00719 | OCCIDENTAL CHEMICAL CO. | 27 | 27540 | OTHER | UNKNOWN | HAMILTON | FL | 29000 | 0 | 0 | -82.83 | 30.43 | - | 0 | 0 | 1980 | 0 |
| CTCGYPSUM | - | FL10002 | PCS | 105 | 52500 | - | UNKNOWN | HAMILTON | FL | 20000 | 110 | 0.78 | -82.79 | 30.43 | CONTROLLED | 32 | 500 | 0 | 233333 |
| LONG PERCOLATION POND DAM | - | FL00551 | OCCIDENTAL CHEMICAL CO | 27 | 56320 | OTHER | UNKNOWN | HAMILTON | FL | 99999 | 0 | 0 | -82.79 | 30.43 | - | 0 | 0 | 1970 | 0 |
| DOGYPSUM | - | FL10009 | PCS | 105 | 52500 | - | UNKNOWN | HAMILTON | FL | 20000 | 110 | 0.78 | -82.78 | 30.43 | CONTROLLED | 32 | 500 | 0 | 233333 |
| OXY-9,10 | - | FL00720 | OCCIDENTAL CHEMICAL CO. | 28 | 25060 | OTHER | SWIFT CREEK-OFFSTREAM | HAMILTON | FL | 32250 | 0 | 0 | -82.73 | 30.43 | - | 0 | 0 | 1978 | 0 |
| OXY-1 | - | FL11025 | OCCIDENTAL CHEMICAL CO. | 30 | 750 | TAILINGS | SUWANNE | HAMILTON | FL | 2890 | 50 | 0.05 | -82.7702 | 30.4346 | CONTROLLED | 20 | 32 | 1965 | 193000 |
| SA 1 S.C. | - | FL10012 | PCS | 28 | 12590 | TAILINGS | SWIFT CREEK | HAMILTON | FL | 19500 | 220 | 0.82 | -82.8599 | 30.4365 | CONTROLLED | 64 | 577 | 0 | 902800 |
| SA 2 S.C. | SC2 | FL10013 | PCS | 32 | 16000 | TAILINGS | SWIFT CREEK | HAMILTON | FL | 10530 | 220 | 0.82 | -82.8456 | 30.4373 | CONTROLLED | 64 | 525 | 1976 | 702000 |
| SA 2 S.R. | SR2 | FL10019 | PCS | 22 | 1800 | TAILINGS | SUWANNE | HAMILTON | FL | 8518 | 220 | 0.14 | -82.7797 | 30.4399 | CONTROLLED | 64 | 88 | 1966 | 305386 |
| SA 5 S.R. | SR5 | FL10022 | PCS | 23 | 5500 | TAILINGS | SUWANNE | HAMILTON | FL | 4155 | 220 | 0.56 | -82.77 | 30.4399 | CONTROLLED | 64 | 362 | 1972 | 154000 |
| SA 7 S.R. | - | FL10017 | PCS | 23 | 8000 | TAILINGS | SUWANNE RIVER | HAMILTON | FL | 14500 | 220 | 0.86 | -82.759 | 30.4416 | CONTROLLED | 64 | 550 | 1995 | 520000 |
| SA 3A S.R. | SR3A | FL10021 | PCS | 20 | 1500 | TAILINGS | SUWANNE | HAMILTON | FL | 6580 | 220 | 0.13 | -82.7799 | 30.4428 | CONTROLLED | 64 | 84 | 1968 | 195000 |
| SA 3B S.R. | SR3B | FL10018 | PCS | 30 | 2000 | TAILINGS | SUWANNE | HAMILTON | FL | 6350 | 220 | 0.11 | -82.7856 | 30.4464 | CONTROLLED | 64 | 73 | 1968 | 294000 |
| SA 6A S.R. | - | FL10016 | PCS | 27 | 2500 | TAILINGS | SUWANNE | HAMILTON | FL | 1000 | 220 | 0.23 | -82.7601 | 30.4471 | CONTROLLED | 64 | 147 | 1974 | 462963 |
| OXY-2-8 | - | FL00718 | OCCIDENTAL CHEMICAL CO. | 29 | 78097 | OTHER | SWIFT CREEK-OFFSTREAM | HAMILTON | FL | 55500 | 0 | 0 | -82.74 | 30.45 | - | 0 | 0 | 1976 | 0 |
| SA 9 S.C | - | FL11024 | PCS | 50 | 30000 | TAILINGS | SWIFT CREEK | HAMILTON | FL | 17900 | 200 | 1.02 | -82.8459 | 30.4528 | CONTROLLED | 128 | 664 | 2005 | 3315000 |
| SA 4 S.R. | SR4 | FL10003 | PCS | 32 | 21500 | TAILINGS | SUWANNE | HAMILTON | FL | 26306 | 220 | 1.68 | -82.7947 | 30.453 | CONTROLLED | 64 | 880 | 1968 | 1995360 |
| SA 8 S.R. | SR8 | FL10023 | PCS | 24 | 15000 | TAILINGS | SUWANNE | HAMILTON | FL | 12500 | 220 | 1.3 | -82.7682 | 30.4528 | CONTROLLED | 64 | 836 | 1980 | 578700 |
| SA 6B S.R. | SRGB | FL10015 | PCS | 27 | 4200 | TAILINGS | SUWANNE | HAMILTON | FL | 9000 | 220 | 250 | -82.7497 | 30.4571 | CONTROLLED | 64 | 225 | 1976 | 416000 |
| SA 10 S.C. | - | FL11026 | PCS | 50 | 56000 | TAILINGS | SWIFT CREEK | HAMILTON | FL | 21100 | 220 | 2.01 | -82.8709 | 30.46 | CONTROLLED | 128 | 1285 | 2005 | 3907400 |
| SA 11 S.R. | SR11 | FL10014 | PCS | 28 | 16000 | RECREATION | SUWANNE | HAMILTON | FL | 28000 | 220 | 1.15 | -82.7528 | 30.4635 | CONTROLLED | 64 | 736 | 1988 | 1300300 |

# Appendix F

Inventory of culverts and other water structures within Lower Suwannee NWR, Florida.

Data sources: Shapefiles provided by USFWS (dx_cul.shp and lvy_cul.shp). Culverts and control structure data are current as of March 13, 2015.

| Type | Latitude | Longitude | Condition | Diameter | Length |
|---|---|---|---|---|---|
| Steel | 29.375778 | -83.04183 | Excellent | 18" | 30' |
| Steel | 29.304823 | -83.045821 | Good | 24" | 24' |
| Steel | 29.292689 | -83.044067 | Fair | 18" | 30' |
| Aluminum | 29.306497 | -83.03609 | Fair | 18" | 28' |
| Steel | 29.263158 | -83.02749 | Fair | 24" | 28' |
| Aluminum | 29.313439 | -83.040961 | Fair | 22" & 22" | 24' & 24' |
| Steel | 29.276274 | -83.024127 | Good | 12" | 20' |
| Aluminum | 29.367276 | -83.048744 | Excellent | 18" | 24' |
| Aluminum | 29.439175 | -83.183343 | Excellent | 24" | 30' |
| Steel | 29.365034 | -83.040564 | Needs Replacing | 18" | 24' |
| Aluminum | 29.438698 | -83.177764 | Fair | 24" | 30' |
| Steel | 29.313868 | -83.047312 | Good | 30" | 30' |
| Steel | 29.30816 | -83.05126 | Fair | 24" | 30' |
| Aluminum/Steel | 29.310778 | -83.054436 | Fair | 12" | 24' |
| Aluminum | 29.314544 | -83.054355 | Fair | 24" | 30' |
| Steel | 29.441718 | -83.176283 | Good | 24" | 30' |
| Steel | 29.364824 | -83.051282 | Fair | 18" | 30' |
| Steel | 29.358569 | -83.044823 | Good | 24" | 30' |
| Steel | 29.329258 | -83.066399 | Fair | 24" & 24" | 24' & 24' |
| Steel | 29.260594 | -83.020774 | Excellent | 18" | 26' |
| Aluminum | 29.354133 | -83.054216 | Excellent | 30" & 30" | 30' & 30' |
| Steel | 29.470868 | -83.012137 | Good | 24" | 30' |
| Aluminum | 29.440269 | -83.027989 | Needs Replacing | 18" | 24' |
| Steel | 29.320782 | -83.072723 | Excellent | 36" | 30' |
| Steel | 29.349922 | -83.051587 | Fair | 24" | 24' |
| Steel | 29.463701 | -83.016762 | Excellent | 36" | 30' |
| Steel | 29.311963 | -83.067627 | Fair | 30" | 26' |
| Steel | 29.311674 | -83.072729 | Needs Replacing | 24" | 30' |
| Steel | 29.345319 | -83.12861 | Fair | 24" | 28' |
| Steel | 29.263571 | -83.045772 | Fair | 36" | 30' |
| Steel | 29.308514 | -83.075706 | Fair | 18" | 28' |
| Steel | 29.265314 | -83.045831 | Good | 36" & 36" | 30' & 30' |
| Steel | 29.266725 | -83.045992 | Good | 24" | 30' |
| Steel | 29.34629 | -83.051743 | Fair | 40" | 30' |
| Aluminum | 29.351993 | -83.1331 | Excellent | 24" | 26' |
| Steel | 29.343173 | -83.05199 | Needs Replacing | 36" | 28' |
| Steel | 29.352615 | -83.135793 | Excellent | 18" | 30' |
| Steel | 29.341575 | -83.051984 | Good | 30" | 30' |
| Alum | 29.30691 | -83.078206 | Needs Replacing | 18" | 28' |
| Aluminum | 29.322365 | -83.034593 | Fair | 36" | 36' |
| N/A | 29.306808 | -83.072139 | Fair | 18" & 18" | 30' & 30' |

| Type | Latitude | Longitude | Condition | Diameter | Length |
|---|---|---|---|---|---|
| Aluminum | 29.27217 | -83.052017 | Good | 40" | 25' |
| Steel | 29.309335 | -83.06642 | Excellent | 24" | 30' |
| Aluminum | 29.266468 | -83.052408 | Excellent | 30" | 30' |
| Steel | 29.305703 | -83.06753 | Excellent | 18" | 30' |
| Steel | 29.275721 | -83.053867 | Excellent | 24" | 30' |
| Aluminum | 29.310247 | -83.056453 | Excellent | 18" | 30' |
| Steel | 29.277116 | -83.054908 | Excellent | 18" | 30' |
| Steel | 29.354138 | -83.127827 | Excellent | 24" | 30' |
| Aluminum | 29.334413 | -83.04728 | Excellent | 24" & 24" | 30' & 30' |
| Steel | 29.277996 | -83.064038 | Excellent | 24" | 26' |
| Steel | 29.35931 | -83.126668 | Fair | 24" | 30" |
| Steel | 29.420421 | -83.032007 | Fair | 24" x 24" | 24' & 24' |
| Steel | 29.36461 | -83.128755 | Fair | 24" | 30' |
| Steel | 29.308857 | -83.044694 | Good | 40" | 28' |
| Steel | 29.338914 | -83.055997 | Excellent | 24" & 24" | 28' & 28' |
| Steel | 29.37139 | -83.138341 | Fair | 24" & 24" | 24' & 24' |
| Steel | 29.420443 | -83.037195 | Excellent | 18" | 30' |
| Steel | 29.441326 | -83.182383 | Good | 40" | 28' |
| Steel | 29.373257 | -83.139521 | Fair | 24" | 28' |
| Aluminum | 29.282979 | -83.061318 | Fair | 24" | 22' |
| Steel | 29.420051 | -83.037774 | Good | 18" | 22' |
| Steel | 29.376948 | -83.142058 | Good | 24" | 22' |
| Steel | 29.302087 | -83.034641 | Excellent | 36" | 26' |
| Steel | 29.336559 | -83.054795 | Good | 24" | 22' |
| Steel | 29.382269 | -83.149021 | Good | 24" | 30' |
| Steel | 29.334295 | -83.053631 | Fair | 24" & 24" | 22' & 22' |
| Steel | 29.386454 | -83.150497 | Excellent | 18" | 26' |
| Steel | 29.331543 | -83.051625 | Good | 30" | 22' |
| Steel | 29.298944 | -83.045193 | Excellent | 40" & 40" | 30' & 30' |
| Steel | 29.329923 | -83.05133 | Excellent | 40" & 40" | 28' & 28' |
| Steel | 29.298263 | -83.045992 | Excellent | 24" | 28' |
| Steel | 29.395831 | -83.150309 | Excellent | 24" | 30' |
| Steel | 29.328416 | -83.050032 | Needs Replacing | 40" & 40" | 28' & 28' |
| Steel | 29.399993 | -83.150502 | Good | 36" | 36' |
| Steel | 29.326732 | -83.050783 | Fair | 40" & 40" | 28' & 28' |
| Aluminum | 29.401388 | -83.14775 | Good | 24" | 24' |
| Steel | 29.297292 | -83.047789 | Good | 30" | 30' |
| Steel | 29.40201 | -83.051818 | Excellent | 18" | 24' |
| Steel | 29.330036 | -83.047226 | Good | 18" | 24' |
| Steel | 29.295655 | -83.056609 | Excellent | 18" | 22' |
| Steel | 29.304689 | -83.060133 | Good | 30" | 30' |
| Aluminum | 29.303048 | -83.050209 | Needs Replacing | 18" | 20' |

| Type | Latitude | Longitude | Condition | Diameter | Length |
|---|---|---|---|---|---|
| Aluminum | 29.401753 | -83.152723 | Good | 24' & 24" | 24' & 24' |
| Aluminum | 29.401882 | -83.155223 | Needs Replacing | 24" | 26' |
| Steel | 29.389468 | -83.070733 | Good | 24" | 30' |
| Aluminum | 29.453316 | -83.205825 | Excellent | 24" | 30' |
| Steel | 29.393256 | -83.066672 | Excellent | 18" | 24' |
| Aluminum | 29.401946 | -83.156371 | Excellent | 24" | 30' |
| Aluminum | 29.455247 | -83.203315 | Excellent | 18" | 30' |
| Aluminum | 29.455869 | -83.19905 | Excellent | 24" | 26' |
| Steel | 29.402096 | -83.159927 | Excellent | 18" | 24' |
| Steel | 29.386271 | -83.07569 | Excellent | 18" | 24' |
| Concrete | 29.405122 | -83.171176 | Excellent | 48'" & 48" | 30' & 30' |
| Both Steel | 29.406989 | -83.172657 | Fair | 18" | 24' |
| Concrete | 29.40892 | -83.174003 | Excellent | 36" | 30' |
| Steel | 29.410894 | -83.175371 | Excellent | 48" & 48" | 30' & 30' |
| Steel | 29.41113 | -83.175602 | Excellent | 24" | 30' |
| Steel | 29.41231 | -83.17645 | Fair | 18" | 24' |
| Steel | 29.325433 | -83.041819 | Excellent | 30" | 24' |
| Steel | 29.414413 | -83.177919 | Fair | 16" | 30' |
| Steel | 29.414606 | -83.178021 | Good | 36" | 26' |
| Aluminum | 29.291369 | -83.059902 | Good | 36" | 26" |
| Aluminum | 29.324902 | -83.047425 | Good | 36" | 26' |
| Steel | 29.419348 | -83.179942 | Excellent | 30" | 28' |
| Steel | 29.442683 | -83.194195 | Excellent | 30" | 30' |
| Steel | 29.420367 | -83.180291 | Excellent | 30" | 28' |
| Steel | 29.290806 | -83.050515 | Excellent | 18" | 28' |
| Steel | 29.426263 | -83.182297 | Excellent | 48" & 48" | 28' & 28' |
| Steel | 29.431193 | -83.183917 | Excellent | 36" & 36" | 28' & 28' |
| Aluminum | 29.323921 | -83.05214 | Fair | 18" | 28' |
| Aluminum | 29.287292 | -83.056308 | Excellent | 24" | 30' |
| Aluminum | 29.318776 | -83.054355 | Fair | 18" & 18" | 24' & 24' |
| Steel | 29.285769 | -83.058915 | Fair | 24" | 26' |

# Appendix G

Internet links and on-line data sources (including monitoring data, raw data, and summarized reports) cited in the WRIA document text. :Links are current as of March 13, 2015.

Section 4.7.3.2: RSET Monitoring

Vegetation monitoring data from Carolina Vegetation Survey (CVS) is available at: http://cvs.bio.unc.edu/

Section 5.1: Water Resources

Water Resource links from the USGS, including links to streamflow and groundwater data and relevant water resource reports for the Lower Suwannee subbasin (HUC 03110205) (and the other subbasins in the RHI) are available from the USGS website: http://water.usgs.gov/lookup/getwatershed?03110205/www/cgi-bin/lookup/getwatershed.

Section 5.3.1.1: Water Level and Discharge Monitoring

The SRWMD reports hydrologic conditions from its monitoring sites in monthly reports, available at http://www.srwmd.state.fl.us/Archive.aspx?AMID=35.

Section 5.3.1.2: Water Quality Monitoring

The surface water component of the Trend Network (SWTV) consists of 76 fixed sites that are placed on or near rivers entering the state from Alabama and Georgia or at the point a river exits a watershed basin. SWTV sites are sampled on a monthly basis and reporting data are available at http://waterwebprod.dep.state.fl.us/ambient/swtv/default.htm.

Section 5.3.1.3: Aquatic Habitat and Biota

Nuisance aquatic invasive species (NAS) are reported by USGS and accessible from http://nas.er.usgs.gov/queries/huc8.aspx?state=FL .

A report summarizing water quality and biological monitoring data is available from Florida Department of Environmental Protection: http://www.dep.state.fl.us/water/sas/guidance/springs.htm.

Section 5.3.2.1: Groundwater Level Monitoring

The SRWMD reports hydrologic conditions from its monitoring sites in monthly reports, available at http://www.srwmd.state.fl.us/Archive.aspx?AMID=35.

Section 5.3.2.2: Groundwater Quality Monitoring

The SRWMD conducts groundwater quality monitoring at 104 sites within the RHI. Site locations and data are available from SRWMD by request.

Statewide, FDEP maintains 49 fixed-site sampling points under the groundwater component of its Trend Network monitoring program (GWTV). GWTV sites are located within confined and unconfined aquifers and sampled on a quarterly basis in October, January, April, and July. Within the RHI, there are 6 GWTV sites; one of them is within the 10-digit HUs closest to and containing the refuge approved acquisition boundary (**Error! Reference source not found.**, **Error! Reference source not found.**). All GWTV sites within the RHI sample the Upper Floridan aquifer system. Site information is available at: http://waterwebprod.dep.state.fl.us/ambient/gwtv/default.htm.

Section 5.4.1: Historical Streamflows

The closest USGS spring gage to the refuge is located at Manatee Springs, a first magnitude spring near Chiefland, FL which has been measured continuously since 2001. Field measurements were also taken between 1932 and 2000.
(http://waterdata.usgs.gov/fl/nwis/nwisman/?site_no=02323566&agency_cd=USGS.

Section 5.4.2: Historical Groundwater

The USGS measured groundwater levels 25 times between 1961 and 1991 at an observation well located at Porters Tackle Shop in Suwannee within the refuge acquisition boundary:
http://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=291940083090101.

The SRWMD has monitored groundwater levels at site S111326004 at Manatee Hickory Loop monthly since 1981: http://www.mysuwanneeriver.org/portal/groundwater.htm.

Section 5.5.2.1: Florida Impaired Waters and TMDLs

In order to meet Clean Water Act and FWRA requirements, watersheds within the state, as defined by FDEP (http://www.dep.state.fl.us/water/basin411/default.htm), have been allocated into five groups based on geography.

FDEP maintains TMDL Tracker, an application that facilitates access to updated TMDL status information: http://webapps.dep.state.fl.us/DearTmdl/welcomehz.do.

Section 5.5.2.2: Georgia Impaired Waters and TMDLs

Although GAEEPD monitors most state waters on a five year basis, approximately 70 stations across the state are monitored annually and used for assessment purposes in developing 305(b)/303(d) lists of waters. Information on listing of impaired waters and TMDLs in Georgia is available at
http://epd.georgia.gov/tools-total-maximum-daily-load-tmdl-implementation-and-watershed-planning.

Section 5.5.2.3: NPDES Permits

For wastewater, FDEP further categorizes NPDES facilities as domestic or industrial and maintains a list of facilities in its Wastewater Facility Regulation (WAFR) database:
http://www.dep.state.fl.us/water/wastewater/facinfo.htm.

Section 5.5.4: Groundwater Quality

More information on the water quality of specific springs in the Florida portion of the RHI can be found in: http://www.dep.state.fl.us/water/sas/guidance/springs.htm.

Section 5.5.5: Land Use Activities Affecting Water Quality

More information on pollutants associated with various agricultural land use practices is available from the USDA at http://www.srs.fs.usda.gov/sustain/report/pdf/chapter_19e.pdf.

More information on silviculture impacts on water quality is available from the USDA at http://www.srs.fs.usda.gov/sustain/report/pdf/chapter_21e.pdf.

The establishment of BMPs is required for waterbodies with TMDLs. BMP Manuals have been established by the Florida Department of Agriculture and Consumer Services and adopted for several activities.

Agriculture:
http://www.freshfromflorida.com/Divisions-Offices/Agricultural-Water-Policy/Enroll-in-BMPs/BMPs-At-a-Glance

Silviculture and Forest Hydrology:
http://www.freshfromflorida.com/Divisions-Offices/Florida-Forest-Service/Our-Forests/Best-Management-Practices-BMP.