

The JAY

www.seminoleaudubon.org



The mission of the Seminole Audubon Society, Inc. is to promote awareness and protection of the plants and animals of the St Johns River basin in order to sustain the beneficial coexistence of nature and humans.

November—December 2019

STATE'S PLAN TO PROTECT WEKIWA & ROCK SPRINGS WON'T WORK!

Wekiwa and Rock Springs have a pollution problem. Too much nitrogen and phosphorous are causing excessive growth of algae and other undesirable plant species, such as hydrilla, in the Wekiwa River and Rock Springs Run, threatening food sources and habitat for fish.

The Florida Springs and Aquifer Protection Act of 2016 required the Florida Department of Environmental Protection (FDEP) to develop plans known as Basin Management Action Plans (BMAPs) for first order magnitude springs and springs of regional significance, which include Wekiwa and Rock Springs. The BMAP for Wekiwa and Rock Springs was adopted by the FDEP in June 2018.

The Friends of the Wekiwa River, Inc. (FOWR) believes the adopted BMAP has serious flaws and will be woefully inadequate to restore and protect the springs. FOWR provided numerous comments to FDEP as they developed the BMAP. Unfortunately, most of those were ignored. Currently, nitrate levels in the springs are approximately 1 to 1.3 mg/L. To achieve the Total Maximum Daily Load (TMDL) for nitrate (0.286 mg/L), as established by FDEP in 2008, the nitrate concentrations must be reduced by 70 - 80%. However, the Wekiwa & Rock Springs BMAP concluded that the nitrogen load within the springshed must be reduced by only 20% over the next 20 years to achieve the TMDL.

In addition, the state's plan does not fully address the sources of this pollution. The BMAP estimated that about a million pounds of nitrogen enter the groundwater in the Wekiwa and Rock Springs springshed each year. The major sources include septic tanks (29%), urban turfgrass fertilizers (26%), wastewater treatment facilities (17%), farm fertilizer (11%), and sports turf fertilizer (7%).

The nitrogen concentrations in the springs range from 0.8 to 1.4 milligrams per liter – about four times higher than is considered safe. And phosphorous concentrations are about two to three times higher than the limit. In 2008, because of these high nutrient levels, FDEP designated the Wekiwa River and Rock Springs Run as “impaired.”

Also, the BMAP does not account for future nitrogen loads from new residential and commercial development in the springshed. The plan will also allow new septic tanks to be installed during at least the next five years. And the plan only recommends reducing nitrogen from fertilizers by 6-10%!



Photo by Mary McKey

Plans for other springs are also under scrutiny. So FOWR, working with the Florida Springs Council (FSC), several other groups, and individuals have jointly filed a legal challenge of 5 BMAPs, including the Volusia Blue Spring BMAP, the Rainbow-Silver Springs BMAP, the Suwannee River BMAP and the Sante Fe River BMAP. The FSC has hired a team of lawyers who are experienced in administrative challenges for environmental issues. We are cautiously optimistic that we can prevail in the administrative hearing scheduled to begin November 12 in Tallahassee.

As part of the Wekiva Coalition, Seminole Audubon Society fully supports the position taken by FOWR.

You can imagine, this is an expensive proposition. Spreading the cost of the challenge among the various members of the FSC, has minimized the impact on each individual organization but the cost is still high. We would appreciate any support you could provide to help offset costs for the challenge. Donations can be made using the "Donate" button on the home page at www.FriendsofWekiva.org

We cannot afford to let these precious jewels become over-run with algae! **Please help today!**



Photo by Mary McKey

New Climate Change Report & Five Iconic Florida Species

In *Survival by Degrees, 389 Species on the Brink*, new Audubon science shows that nearly two-thirds (389 out of 604) of North American bird species are at risk of extinction from climate change. The good news is that our science also shows that if we take action now we can help improve the chances for 76 % of the species at risk.

Florida is home to more than 500 bird species. What will happen to Florida birds in the 21st century if climate change is not effectively addressed?

To showcase how bird populations will change in the 21st century, we have identified five species and explore how each is likely to respond to the conditions predicted within the *Survival by Degrees* report for Florida.

If you would like to help implement change in our community contact Phyllis Hall at phylliscath814@gmail.com.

Roseate Spoonbill – predicted to move



Photo by F. Jones

Already shifting their range northward in response to habitat destruction and changing water conditions. Audubon modeling predicts spoonbills will shift even farther to find the right places to feed and raise their young.

Wood Thrush – predicted to disappear



Photo by Ken Schmidt

Their songs may no longer haunt Florida's woodland as their summer range moves completely out of the Sunshine State.

Black Skimmer – predicted to decline



Photo by Ken Schmidt

Black Skimmers are affected by more than just climate change. Oil spills continue to be a threat, as crude oil can coat feathers and fill the food chain with chemical compounds harmful to both adult skimmers and their chicks.

Brown Pelican – predicted to adapt



Photo by Ken Schmidt

Sea level rise could inundate pelicans' critical nesting areas. Can they adapt to new nesting sites protected by living shorelines? Time will tell.

American Redstart – predicted to increase



Photo by Ken Schmidt

American Redstarts may be well-positioned to take advantage of newly suitable areas in Central Florida as they overwinter.

National Audubon Society's new climate report, *Survival by Degrees: 389 Bird Species on the Brink*, shows that 389 bird species are vulnerable to extinction because of climate change. But there's still hope—if we act on

climate today, we can improve the chances for the overwhelming majority of these species. <https://climate.audubon.org/>. Read the full report on this link: <https://www.audubon.org/survival-degrees-about-study>

Program Notes

Shawnlei Breeding, EagleWatch Program Coordinator for Audubon Florida was our guest speaker at our September meeting. She presented information about

Bald Eagles and their nesting patterns. Bald Eagle nests are monitored by

trained volunteers. This is considered one of the premier community science programs in Florida protecting approximately 40% of the state's nesting pairs. The presentation included charts and data showing the recovery of this great bird that was nearly brought to extinction by hunting and then DDT use in the 1950's. Shawnlei is based at the Audubon Birds of Prey Center in Maitland.

Check this web site to learn more or sign up to be a volunteer. The web site also includes a map of locations of nests currently being monitored.

<https://cbop.audubon.org/conservation/about-eaglewatch->



Trip Notes

Smyrna Dunes Park

Spectacular skies, spectacular beach, and spectacular birding greeted us at Smyrna Dunes Park in Volusia County on Saturday, September 21st. If we had requested this day we could not have received a more perfect combination of nature's best. Thirteen members got together to add 27 species to a bird list for the morning.



Some of the trip participants



Sanderling Photos S.Donlan

Land birds were the first to greet us. White Ibis, Turkey Vultures, Fish Crows, Red-bellied Woodpecker, Northern Mockingbirds, Carolina Wren, and Northern Cardinals made their presence known as we gathered near the parking area. We knew this was going to be our kind of day!

At the Park, there was quantity as well as quality in our sightings. We observed Brown Pelicans in large numbers. Snowy Egrets were not shy as we passed them on the railings of the boardwalk and wading in the surf. Ruddy Turnstones and Sanderlings were scampering up the beach ahead of the waves. Piping Plovers and Wilson's Plovers were observed in the dunes.



Terns were the family of the day. Black Skimmers were seen taking off from a sandbar. We happily spent quite a bit of time observing a mixed flock of gulls and terns feeding in Ponce Inlet. Although it was quite windy, and difficult to hold the binoculars steady, we did enjoy watching the birds dive time and again, surfacing with their lunch. We were able to identify Herring Gulls, Laugh-

ing Gulls, and a Greater Black-backed Gull. In addition to the Black Skimmers, the other terns we identified were Sandwich Terns, Common Terns, Forster's Terns, Royal Terns, and Caspian Terns. Ospreys in a measured flight up the surfline to catch their lunch time snack were inter-mixed as well.



Perhaps our best catch of the day was a total of three Reddish Egrets dancing in the surf in various spots on the beach, casting shade on their bounty of small fish and putting on a show for us. One of the birds observed was a white morph.

Ocean and river viewing and beach observation is somewhat a forgotten pleasure these days. This particular area is one of the most spectacular we could hope for. The sand blowing on the wind and erasing our footprints along with a majestic ocean wiping away the remains of our presence is a magical thing. No excuses not to go again next week. Birds are waiting.



Can you find the three Piping Plovers in this image by Leslie Martin?

Trip Notes

Yankee Lake Regional Wastewater Reclamation Facility Florida Scrub-Jay Tour

Fifteen (15) SAS members and guests had a perfect weather morning on October 4 for our tour of the Yankee Lake Regional Wastewater



Photo by Ken Schmidt

Reclamation Facility, the only site in Seminole County with Florida Scrub-Jays. Our two guides from the environmental management company also explained various changes they are making to provide better nesting habitat. We saw six Florida Scrub-Jays in two family units in addition to other birds and wildlife. One highlight was a little flock of about 10 Northern Bobwhite crossing the road.



Photo by Jim Peters

Management of this property to provide a protected and healthy habitat for Florida Scrub-Jays was established in 1993 when the county initially applied to the US Army Corps of Engineers for a permit modification to construct the Rapid Infiltration Basins there. The population has remained stable but not growing under the previous management company. No babies fledged this year. In 2018 Environmental Science Associates (ESA) took over management of the property. They have already made a lot of positive changes to the environment, which is expected to increase nesting with improved habitat. There has been some discussion of translocating Scrub-Jays from other locations to strengthen the gene pool of the family groups and to increase their numbers going forward.

Twenty avian species were documented and submitted to eBird.org. It was the first eBird recorded sighting of Bobwhites on the property.

The Big Sit! 2019



Great Horned Owl

Photo by Leslie Martin

This year's Big Sit! on October 13th, might not have been record-breaking but it sure was fun! We had 43 species either seen or heard from the 17-foot circle at Lake Jesup Park.

We were missing a couple of our ringers and at least one very common species, a Snowy Egret, but it was a great outing.



Prairie Warbler by Lewis Gray



Photo by Leslie Martin



Photo by M. Terwilliger

Upcoming Programs

Held at 2:00 pm on the 2nd Sunday each month at the North Branch of the Seminole Co. Public Library located at 150 North Palmetto Ave. in Sanford. Meetings are free and open to the public.

November 10, 2019

Improve our Watershed - Fertilize Appropriately

Learn the Dos and Don'ts for landscape fertilizing from Dr. Terrence Fullerton, Seminole County Fertilizer Educator. Proper fertilizer use is one of the most important things you can do to protect our water. In addition to explaining proper fertilizer use, Dr. Fullerton will also interpret the rules set forth in Seminole County's Fertilizer Ordinance.



December 8, 2019

Butterflies and the Plants They Need



A few years ago Seminole Audubon Society created a Butterfly Gardening Kit. This program is based on that kit, and will include butterfly anatomy, the life cycle of butterflies, and butterfly classification. Faith Jones will show images of butterflies, provide identification tips, and tell us the specific plant each species needs to survive. You will learn not only how to identify butterflies, but also what you can do to help these beautiful flying insects.

Great Purple Hairstreak Ken Schmidt

January 12, 2020

Bears, Bears, Bears - Lori Lindsay

Join us for an educational program about Florida Black Bears presented by Lori Lindsay, Program Coordinator with Florida Fish and Wildlife Conservation Commission (FWC). Bears are an important part of Florida's natural heritage. Keeping them wild and away from human use areas is a responsibility we all must share.



Picture courtesy FWC

Upcoming Trips

It is essential to notify us in advance if you plan to attend as last minute changes happen. Liability release form must be signed. Remember: appropriate footwear, hat, sunscreen, water, snack and insect repellent are often a good idea.

Ways to notify us if you plan to attend a Field Trip: E-mail SeminoleAudubon@gmail.com or Sarahdonlan42@gmail.com, [MeetUp.com/SeminoleAudubon-com](https://www.meetup.com/SeminoleAudubon-com), or Sign-up at a meeting

November 16, 2019

Blue Heron Pontoon Boat Tour, DeLand

We will take off from St. Johns Marina & Resort, 2999 West SR 44, DeLand, for this two-hour narrated tour, which will take us north on the St. Johns River into the Ocala National Forest, the Lake Woodruff National Wildlife Refuge and river tributaries. There will be stops for wildlife viewing and photography, discussions of river history, and human environmental impact. You won't want to miss this immersion in the magnificent splendor of the St. Johns River watershed. \$25 per person, cash or check. Binoculars, camera, water, snack, and hat suggested. Snack bar and restroom are available on boat.



Upcoming Trips (con't)

December 14, 2019

Audubon Christmas Bird Count

On December 14th members of Seminole Audubon Society will take part in the Audubon Christmas Bird Count, a citizen science project in its 120th year. The count takes place within the boundary of a pre-established 15-mile-diameter circle. Seminole Audubon will count sections 10 and 11 of this Wekiva Basin circle. These take up the eastern edge of the circle including areas of Sanford and Lake Mary. Last year the Wekiva Basin circle counted 14,596 birds and 132 species.

You can participate in many ways. Count the birds you see in your yard or your feeder, go to a local park or join one of the small groups that will be hitting all the bird hot spots. To join a group, email Leslie at woodstork.martin@gmail.com or sign up at a Seminole Audubon meeting.

January 18, 2020

Black Bear Wilderness Area, Sanford

This Seminole County Natural Land consists of 1600 acres in northwest Seminole County and features a variety of wetland habitats. The floodplain of the St. Johns River, Wet Prairie, Hydric Hammock, and Cypress Swamps form a mosaic of habitat diversity which hosts wildlife such as the white-tailed deer, Swallow-tailed Kite, and Florida Black Bear. Its large size and proximity to other public lands make this site an important piece in a puzzle connecting natural areas between the Wekiva/St. Johns basins and the Ocala National Forest. Meet at the trailhead at 8 am, 5298 Michigan Ave., Sanford, FL. The trail consists of uneven ground; solid footwear is necessary.

Leader: Audubon Board Member, Lewis Gray

Join the Christmas Bird Count

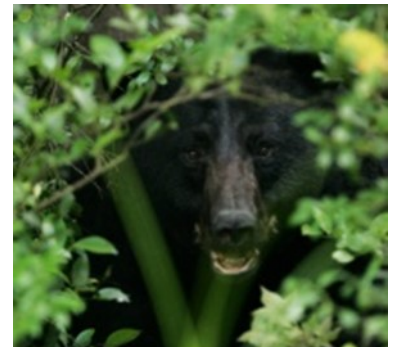


Photo courtesy FWC

Bird Quiz

Fill in the blanks from the list of 20 birds below. Answers on page 9

An old-timer took me on my first bird walk one spring morning A House ____ (1) flew up as we started down the path. On the lawn a short-tailed, shiny black ____ (2) waddled about near where a ____ (3) was standing, head cocked listening for worms.

A crested ____ (4) shrieked in the oak tree up which a Downy ____ (5) was hitching its way. In contrast a Brown ____ (6) spiraled up the neighboring tree where our ____ (7) Owl was looking out of its hole. Overhead a ____ (8) cawed and a ____ (9) was flying from the bay or lake to its favorite garbage dump. From a thicket came a vigorous scratching of a ____ (10) and from a branch above it we saw and heard the uncoiled squeak of the Brown-headed ____ (11). Nearby on the feeder a Black-capped ____ (12), a White-breasted ____ (13), and a Red-winged ____ (14) were busy eating.

Over the garden a black and yellow ____ (15) bounced in characteristic flight. An orange and black ____ (16) piped its treetop welcome of spring in loud whistles. From the barn door a fork-tailed ____ (17) whizzed out. On a dead apple tree perched that harbinger of spring, the ____ (18).

From the distant creek came the rattle of a ____ (19) flying to its lookout perch over the water. Near at hand from a maple I heard the dry trill of the Chipping ____ (20).

My first half-hour in the field that spring taught me how easy it was to see 20 species of birds.

- | | | | |
|-----------------------|----------------------------|----------------------------|-------------------------|
| a. American Goldfinch | f. Chickadee | k. Gull (any species) | p. Screech |
| b. Barn Swallow | g. Creeper | l. Jay (Blue or Steller's) | q. Sparrow |
| c. Blackbird | h. Cowbird | m. Nuthatch | r. Starling |
| d. Belted Kingfisher | i. Crow (Common or Fish) | n. Oriole | s. Towhee (any species) |
| e. Bluebird | j. Finch, Sparrow, or Wren | o. Robin | t. Woodpecker |

SAS Conservation Committee Reports

2014 Amendment 1 Update

Good news from Julie Wraithmell, Executive Director of Florida Audubon. On September 9, the First District Court of Appeal sided with Audubon on Amendment 1 Water and Land Conservation Fund spending. The Court overturned the summary judgment, finding that the Land Acquisition Trust Fund revenue is not restricted to use on lands purchased after 2015. The Court held: "By our ruling we do not speak to the legality of the appropriations since enactment of Article X, section 28, a question which remains pending. We hold only that LATF revenue is not restricted to use on land purchased by the State after 2015. Accordingly, the final summary is reversed, and the cause is remanded to the circuit court for further proceedings."

Julie stated that this is exactly the outcome we had hoped for—affirming that Amendment 1 dollars can be used to manage and restore all conservation lands, not just those acquired after 2015, and can support springs restoration, Everglades restoration, and other water resource restoration activities.

Wekiva Parkway

The Central Florida Expressway Authority, Florida Department of Transportation and Florida's Turnpike Enterprise were honored by the International Bridge, Tunnel and Turnpike Association (IBTTA). The agencies received the 2019 Toll Excellence Award for Social Responsibility for helping to protect the wildlife and other natural resources surrounding the Wekiva River, a National Wild and Scenic River and Outstanding Florida Waterway, during development of the 25-mile Wekiva Parkway (State Road 429).

Proposed New Turnpikes

Governor DeSantis has approved the study of three proposed new turnpikes, Multi Use Corridors of Economic Significance (M-CORES), with Senate Bill 7068. Florida Audubon will be represented on all three taskforces. Charles Lee is on the taskforce for Suncoast & Northern Turnpike Connector. Dr. Paul Grey is on the taskforce for Southwest-Central Florida. Other environmental representatives include: Defenders of Wildlife, 1000 Friends of FL, Nature Conservancy, Florida Wildlife Corridor, and Everglades Foundation.

JP Morgan/Chase Solar Panels

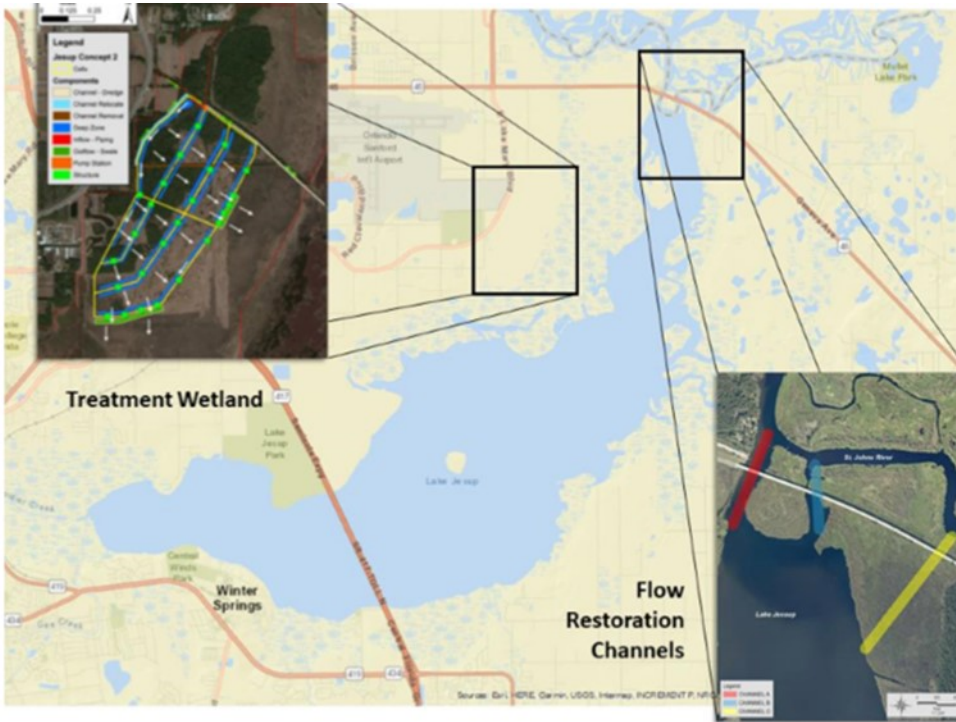
JPMorgan/Chase is making a commitment to renewable energy and to becoming carbon-neutral in all their facilities. They plan to install the solar panel canopies over much of the 892-space parking lot at 550 International Parkway. Vehicles will be able to park underneath the canopies. An amended plan to reduce the number of trees to be removed is on the Seminole County Board of Commissioners agenda for October 8. All trees and plantings located in the buffer areas and adjacent to the building would remain intact. Given the limited space on the property outside of the buildable area, replacement trees would not be feasible so JP Morgan/Chase has proposed mitigation for the tree removal with payment into the Tree Fund based on actual tree replacement cost. Trees absorb carbon dioxide and potentially harmful gasses, such as sulfur dioxide, carbon monoxide, from the air and release oxygen as well as providing shade, prevention of storm water runoff, habitat for birds and other animals and other benefits.

In the Florida Power & Light Co. (FPL) service area (about 50% of the state), FPL and Audubon Florida have formed a "Solar Sanctuary" partnership. They are working together to make the power company's new solar power plant sites habitat for native plants, birds, bees and butterflies. The site of each new facility is being designed to allow a significant amount of the land to be planted with native grasses, trees, shrubs and vines. Plants are being chosen to provide food for birds and pollinators. Quality wetlands are being preserved, which also provide habitat for birds. When farm lands are converted to solar farms instead of housing and business developments, natural resources can be preserved.

Sam Kendall & Phyllis Hall

Lake Jesup Water Quality Improvement and Flow Enhancement

Phyllis Hall and Cecilia Carey attended the Lake Jesup Update meeting in Oviedo on August 22. The meeting was hosted by Senator David Simmons. Stakeholders on this project include St. John's River Water Management (SJRWM), City of Oviedo, Seminole County, City of Sanford, Orange County, Cities of Altamonte Springs, Casselberry, Lake Mary, Longwood, Orlando, Winter Park, Winter Springs, and Eatonville. Also attending the meeting were the past president of the Friends of Lake Jesup and a commercial fishing representative. The purpose of the meeting was to get input from all stakeholders on the basin management action plan (BMAP) for Lake Jesup. This plan consists of 2 parts: flow enhancement by constructing a channel under the eastern span of SR 46 bridge at the confluence of the St. Johns River and Lake Jesup plus pumping water from Lake Jesup into a treatment system made up of ponds and wetlands to remove phosphorus, nitrogen, and suspected solids from the lake to improve light penetration and encourage beneficial underwater plant growth. This project is similar to the Lake Apopka project. The pumping project is located on the NW edge of Lake Jesup on the Little Cameron Ranch parcel owned by SJRWMD. There was discussion that there was a natural channel years ago in the proposed channel area that was filled in with the road construction project. The enhanced flow and wetland treatment system will be a 3-year project. There is money allocated for the next phase of the project, which is the engineering assessment, permitting, bids, EPA approval, etc., which will take place in the next year. The quality of the water in the lake has improved some with the work already done by the stakeholders in reducing pollution to the lake. One major influence of that was implementation of the fertilizer ordinance. The Seminole County representative stated they were on the brink of implementing a shoreline ordinance as well. The consensus of the group was that the lake will continue to deteriorate if nothing is done.



Phyllis has provided the project leader with eBird data for Marl Bed Flats, Cameron Wight Park, East Track, North Tract and 2018 Christmas Bird Count Data from Econlockhatchee Area 12 from Dr. Jay Exum, the count leader. That data also identified the birds on Florida's Endangered and Threatened Species list: Black Skimmer, Snail Kite, Florida Grasshopper Sparrow, Florida Sandhill Crane, Least Tern, Little Blue Heron, Marsh Wren, Roseate Spoonbill, American Kestrel, Tricolored Heron, and Wood Stork. Nearly all the bird list data included birds on the FWS List of Migratory Bird Species Protected by the Migratory Bird Treaty Act.

Seminole State College

The SAS board has provided free Audubon memberships to five Seminole State College students: Janina Bagherzadeh, Mallory Thibeault, Tina Crampton, Rowan Hassan, and Daliany Gerena. Please provide a warm welcome to them as you meet them at meetings and on field trips.

Answers to Bird Quiz			
on page 7	3. o.	9. k.	15. a.
	4. l.	10. s.	16. n.
	5. t.	11. h.	17. b.
	6. g.	12. f.	18. e.
	7. p.	13. m.	19. d.
1. j.	8. i.	14. c.	20. q.
2. r.			

Audubon Assembly 2019

Audubon Assembly was held on October 25 and 26 in Gainesville. The theme was Water and Land for Florida's Future: Science-based Strategies for Clean Water and Healthy Watersheds. Seminole Audubon members who attended Assembly were Phyllis Hall, Cecilia Carey, Nancy Megill and Nihal Hafez. We were inspired by the speakers and information we learned on what other chapters have accomplished.



Mackenzie Blevins & Phyllis Hall

The keynote speaker at the Friday dinner was Dr. Thomas Frazer, the first Chief Science Officer for the State of Florida. He shared some accomplishments including the actions on Everglades restoration and his vision going forward.

Phyllis also served as a mentor in the Conservation Leadership Initiative (CLI) on Friday. She was paired with Mackenzie Blevins from Florida Southern College who is studying marine biology and environmental studies. CLI has been changed based on student feedback so mentoring will continue throughout the year. Hopefully, Mackenzie will join us in the upcoming year at a SAS meeting or field trip.



SAS members at the Audubon Florida Annual Assembly

Although we did not win, SAS was nominated for the Best Chapter Education Award for the project with Seminole State College to create native plant pollinator garden on the Oviedo campus with grant money from Duke Energy Foundation. Neta Villalobos Bell, member of Florida Native Plant Society, Cuplet Fern chapter, and SAS, shared her native gardening expertise in two lectures on campus in February 2019. The students did all the work of creating the garden and researching the plants. One student created a booklet of plants used in the garden, identifying the name of each plant and the pollinators it attracts. Another student designed a t-shirt for the project. At the SAS Earth Day display on campus in April, Cecilia Carey and Marty Shepherd focused on plants that attract hummingbirds. Students plan to improve and expand the garden and to involve local K-12 teachers to encourage them to use the site as an educational resource.

Fun Turkey Facts for Thanksgiving

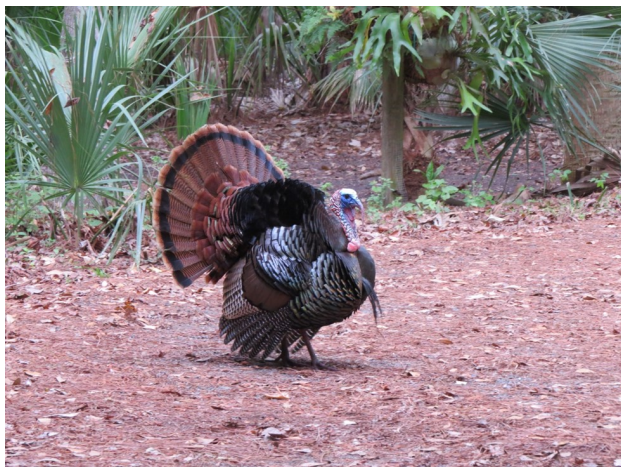


Photo by Faith Jones

The Florida Wild Turkey, known as the Osceola, is a subspecies of the Eastern Wild Turkey. It is found only in peninsular Florida. The Osceola is smaller; its feathers have less white, and show more iridescent green and red colors than the eastern wild turkey. The Florida subspecies was first described in 1890 by W.E.D. Scott who named it after Seminole Chief Osceola. There are also three western subspecies of the Wild Turkey.

Adult females are similar to males with slightly duller head and neck. They also lack the male chest feathers. During non-breeding season, turkeys are found in sex groups.

Keep Up With SAS

Visit our website SeminoleAudubon.org or follow us on:





WELCOME

New Members & New to Our Chapter

Janina Bagherzadeh	Oviedo	Rowan Hassan	Sanford
David W. Branchett	Delfona	Carolyn Hughey	Osteen
Kate Carney	Sanford	Denise Johnson	Sanford
Erika Carruth	Lake Mary	Josephine Opisso	DeBary
Tina Crampton	Oviedo	Gregory Petras	Sanford
Carolann Dove	Lake Mary	Justin Roberge	Lake Mary
Susan J. Farrell	Altamonte Sprg	Kathy Sayre	Winter Springs
Jean Fine	Sanford	Laurence Seigler	Lake Mary
Nancy Geffner	Lake Mary	Heidi Sierputowski	DeBary
Barbara Gentile	Sanford	Stephen Tabone	Lake Mary
Daliany Gerena	Altamonte Sprg	Mallory Thibeault	Winter Springs
Nihal Hafez & Ahmed Hart	Winter Park	Linda Wiehagen	Chuluota

Welcome SAS New Recording Secretary

Mindy Hellman fell in love with birds of prey when her husband shared a YouTube video that was aired on NBC's *Today Show*. They showcased an eagle cam streaming from the National Arboretum. From that time on she was hooked. When she retired she knew that she wanted to be involved with these majestic creatures and their environments.

Her first visit to Audubon's Center for Birds of Prey was so enriching that she immediately decided that ACBOP is where she wanted to volunteer. Once she started there she decided that not only volunteering but also becoming a Docent would be what she wanted to do. As a docent, she learned about all the Center's birds of prey. She is now a go-to person for a number of volunteers for information including her husband.

Her thirst for knowledge about birds of prey got her involved with other aspects of birds and their environments. This led to her involvement with Seminole Audubon's Conservation Committee and now she is an active member of Seminole Audubon as Recording Secretary.



Mindy is pictured with an Eastern Screech Owl named Tony.



Help Conserve our Wetlands

Federal Duck Stamp purchases provide critical funds that are used to purchase and protect habitat in the National Wildlife Refuge System. These habitats benefit not only waterfowl but hundreds of other wildlife species.

Stamps are available at National Wildlife Refuges, Post Offices, and some sporting goods stores. They are an easy way to support wetland conservation and critical habitat preservation.

Duck Stamps make great gifts for anyone who cares about our National Wildlife Refuges.

2019-2020 Federal Duck Stamp

"Wood Duck and a Decoy" Art created by Scot Storm

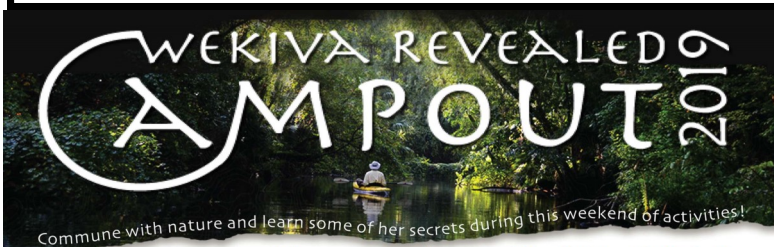
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COST
\$100-\$130
PER PERSON
Includes:
+ 5 Meals
+ Cabin or
Bunkhouse
+ All Activities*
Non-Camping
Options Available

MUST
Pre-Register!

Form Available on
FriendsOfWekiva.org
Details and Reservations:
FriendsWekivaRiver@gmail.com
407-788-2619



November 8-10, 2019 Wekiva Springs State Park, Youth Camp

ACTIVITIES

FRIDAY November 8, 2019		
Time	Activity	Meeting Location
3:00 - 8:00 pm	Registration	Recreation Hall
5:00 - 6:00 pm	Dinner	Dining Hall
6:15 pm	Welcome & Orientation - John Pottinger, President Friends of Wekiva River & Weegie Henry, Wekiva Revealed Chair	Dining Hall
6:45 pm	Ranger Program - Dr. Robert Brooks, Park Manager Wekiva River Basin State Parks	Dining Hall
8:00 pm	Camp Fire Fun. Bring musical instruments	Fire Ring near Dining Hall
SATURDAY November 9, 2019		
Time	Activity	Meeting Location
All day	Registration	Dining Hall
7:00 - 8:00 am	Bird Walk - Ralph Risch	Outside of Dining Hall
7:00 - 8:00 am	Morning Swim in Wekiva Spring	Carpool from Recreation Hall
8:00 - 9:00 am	Breakfast	Dining Hall
9:30-11:30 am	Paddle on the Wekiva River with Ashley Konon, Wekiva River Ambassador, and Cindy Britt	Parking Lot near Dining Hall
10:00-11:30 am	Photography Talk & Walk - Don Brouillard	Recreation Hall
10:00-11:30 am	Wekiva Revealed Hike - Dr. Burt Sellers & Nancy Prine	Dining Hall
12:00 - 1:30 pm	Lunch & Learn	Dining Hall
	Wekiva Turtle Movement Study - Tabitha Hootman	
	Wekiva Filamentous Algae Study - Amanda Swisher	
	Wekiva Promise - Carol Hinshaw	
	BioBingo - Distribute & Explain	
2:00 - 3:30 pm	Edible Plants in the Park, Talk & Hike led by Don Philipott	Recreation Hall
2:00 - 3:30 pm	Adventures in Sinkholes	Parking Lot
2:00 - 5:30 pm	Painting in Wekiva Landscape with Karen Harrod	Pavilion
4:00 - 5:30 pm	Wet to Dry Trail Walk - Jane Cummings	Carpool from Recreation Hall
4:00 - 5:30 pm	Benefits of Fire in the Wekiva Basin	Recreation Hall
3:00-ongoing	Rock Painting	Dining Hall
6:00 - 7:00 pm	Dinner	Dining Hall
	BMAP status report - Mike Ciburum	
	BioBingo - Collect, confirm winners, award prizes	
7:15 - 8:15 pm	Frogs in the Wekiva Basin - Dr. Jay Exum	Recreation Hall
8:30 pm	Wekiva Revealed Night Walk - Dr. Jay Exum	Recreation Hall
SUNDAY November 10, 2019		
Time	Activity	Meeting Location
7:00 - 8:00 am	Tai Chi with Kevin Merrigan of Heath Care You Can Do	Pavilion
7:00 - 8:00 am	Morning Swim in Wekiva Spring	Carpool from Recreation Hall
8:00-9:30 am	Breakfast - Photo Contest Display and Awards	Dining Hall
9:30-11:30 am	Paddle on the Wekiva River with Cindy Britt	Parking Lot near Dining Hall
10:00-11:30 am	Wekiva Revealed Hike with Dr. Burt Sellers & Nancy Prine	Dining Hall
10:00-11:30 am	Civil Class & Pellet Dissection - Faith Jones	Recreation Hall
11:30-12:30	Check Out	Dining Hall
1:00 pm	Youth Camp Closes	

*Canoes Rental Fee NOT included



Panhandle Trip, December 5-8, 2019

Orange Audubon Society has organized a trip to the Florida Panhandle December 5-8. Includes a private tour at Seacrest Wolf Preserve; birding the Red Hills Region with Jim Cox, Tall Timbers Research Station; and St. Marks National Wildlife Refuge. Our guide at St. Marks is Jeff O'Connell of Apalachee Audubon Society. At this time ducks are in, and the American Flamingo is being seen again! The wolves are a big highlight of this trip! Week-end cost is \$100 for Audubon members or students/\$115 non-members. Includes guides, Seacrest admission, 3 lunches and grill night. Seacrest private tour only will cost \$45/\$55 non-members and includes. For registration, lodging and other details contact Teresa at mwilliams@cfl.rr.com or (407) 644-0796.

2019-2020
Board of Directors & Committee Chairs (eff. 7/1/19)
407-797-4636
SeminoleAudubon@gmail.com

Term	Board Members	Office & Roles	
2019-2021	Marguerite Terwilleger	Co-President Facebook	mterwilleger51@gmail.com
2018-2020	Phyllis Hall	Co-President Outreach, Conservation, Web Site, Seminole College Liaison	phylliscath814@gmail.com
2019-2021	Sarah Donlan	Vice President Programs & Trips, Facilitate monthly meetings	sarahdonlan42@gmail.com
2019-2021	Jan Peters	Treasurer	jan@janetkpeters.com
2018-2020	Shirley Reilly	JayWatch	shirleyreilly34@aol.com
2018-2020	Michelle Vaughn	Hospitality Eagle Watch, Programs & Trips	michellevaughn329@gmail.com
2018-2020	Jim Denslow	CLP Liaison	bdenslow@cfl.rr.com
2019-2021	Lewis Gray	Jane Isle	lewisngray@bellsouth.net
2019-2021	Leslie Martin	Programs & Trips Christmas Bird Count, Backyard Bird Count	leslielou63@gmail.com
2018-2020	Corrinne Wertz	Publications	cwertz127@aol.com

Board Support Positions

Marty Shepherd	Membership	gindad@cfl.rr.com
Mindy Hellman	Recording Secretary	mindy-hellman@usa.net
Jim Peters	Purple Martins	jim@jameshpeters.com
Peggy Stickney	Press, Corresponding Sec.	stickneymargaret@gmail.com
Sam Kendall	Energy	samuelk32@embarqmail.com
Faith Jones	Newsletter Compiler	faithaudubon@gmail.com
Shirley Folse	Phone Communication	407-797-4636
Joy Rector & Cecilia Carey	Elementary Education	joy7audubon@aol.com
Cecilia & John Carey	Conservation	cacarey@cfl.rr.com
Margaret Loring	Monthly Meetings PowerPoint, Email blasts, Meet Up	mloring@cfl.rr.com
Nihal Hafez	New Member Welcome Letter	nhafez@live.com
Chuck Honaker	Refreshments	chonakerjr@gmail.com
	SAS Premiums	

AUDUBON MEMBERSHIP APPLICATION

Introductory offer For New Members Only \$20.00/ 1 year Join on our website *SeminoleAudubon.org*
using Chapter Code C9ZE310Z

Make checks payable to **National Audubon Society**. Complete this form and mail with your check to:
Seminole Audubon Society, P.O. Box 2977, Sanford FL 32772-2977

Seminole Audubon Associate Membership \$10.00 / year

Available to Audubon Society members assigned to other chapters.

Name: _____

Address: _____

City, State, Zipcode: _____

Phone/ e-mail: _____

The JAY

Seminole Audubon Society

PO Box 2977

Sanford FL 32772-2977



Calendar of Events

www.seminoleaudubon.org

Program Meetings are held at 2:00 pm on Sunday afternoons in the Meeting Room of the Seminole Co. Public Library located at 150 N. Palmetto Ave., in downtown Sanford. Call 407-797-4636 for details.

Sunday Nov. 10	Fertilize Appropriately
Sunday Dec. 8	Butterflies and the Plants They Need
Sunday Jan. 12	Bears, Bears, Bears

SAS Field Trips Details and registration information for all of these trips are in this issue of The JAY and on www.meetup.com/seminoleaudubon-com, or e-mail us at seminoleaudubon@gmail.com

Saturday Nov. 16	Blue Heron Pontoon Boat – St. Johns River, DeLand
Saturday Dec. 14	Audubon Christmas Bird Count , various locations
Saturday Jan. 18	Black Bear Wilderness Area, Sanford

Crystal Lake Preserve, Lake Mary.

Work mornings. Time and meeting location 407-323-4506 or bdenslow@cfl.rr.com

Seminole County Natural Lands Guided Hikes. Must Pre-register 407-665-2211. Cost \$3.00

Sat. Nov. 2	Birds & Bagels	7:30- 9:30 am	Lake Harney Wilderness Area
Nov. 2—3	Great American CampOut	2:00pm Sat – 9:00 am Sun	Lake Mills Park \$10

Other Activities

Nov. 1-3	Florida Ornithological Society Fall Meeting, DeLand. http://www.fosbirds.org/meetings.html
Sat. Nov. 2	How to Grow, not Buy, a Better Bird Feeder 10-11am Seminole Co. Library, Sanford.
Nov. 8-10	Wekiva Revealed CampOut A weekend of fun & learning. FriendWekivaRiver.org for details and registration. See page 12 for details.
Dec. 5-8	Orange Audubon Panhandle Trip. See page 12 for details.
Mon. Dec. 9	Cuplet Fern Chapter of FNPS—Holiday Social http://cupletfern.fnpschapters.org
Jan. 16-20	Fourth Annual North Shore Birding Festival on Lake Apopka, See page 12 for details.