Suwannee River Wilderness Trail PADDLING GUIDE



800.868.9914 www.SuwanneeRiver.com



INTRODUCTION



For those who know Florida only from postcard images of sunny beaches or the fairy tale worlds of theme parks, we have just one thing to say: N 30° 19.55 W 82° 44.33

Plug this number into your GPS, wave goodbye to the posh resorts and rollercoasters and let your car deliver you to the "real" Florida on the banks of the Suwannee River.

By some accounts, the Suwannee is Florida's best-known river. In the past, this fame came by way of a popular song. Today, however, as south Florida buckles under the weight of burgeoning population growth, it is the relative "wildness" of the Suwannee that makes it a natural wonder. Along its entire 235-mile length, only a handful of small communities overlook her waters; the largest having populations barely exceeding 1,000. Away from towns, homes are relatively scarce. In some places you can travel for miles without seeing any sign of civilization. There are also few campgrounds. It was this shortage of designated camping areas and facilities that inspired the formation of the Suwannee River Wilderness Trail (SRWT).



THE SUWANNEE RIVER WILDERNESS TRAIL

The Suwannee River Wilderness Trail (SRWT) is a partnership of private and public lands and facilities along the Suwannee River that have coordinated efforts to enhance the paddling and exploration of the river. The Trail starts at White Springs and follows the river for 171 miles to the Gulf of Mexico. This Paddling Guide is a product of the SRWT partnership.

Central to this system are eight "hubs," mostly state parks and towns that offer a variety of activities and services for SRWT users. While the trail is primarily geared toward paddlers, the hubs offer trail users the opportunity to expand their exploration of the area by bicycle, horseback, or on foot. In the hub towns of White Springs, Dowling Park, Branford, Fanning Springs and Suwannee, overnight accommodations can be found in hotels and inns. The park hubs, located at Stephen Foster Folk Culture Center State Park, Suwannee River State Park, Lafayette Blue Springs State Park and Fanning Springs State Park, have vacation cabins that sleep six people and are furnished with gas fireplaces, kitchenette and screened porch. At the privately owned Spirit of the Suwannee Music Park, you can sleep in your tent, cabin or a tree house!

Between hubs, in more remote areas along the river, "river camps" have been built to serve paddlers on the SRWT. These can be accessed by river only. The river camps all have the same components — five screened sleeping platforms with electricity and ceiling fans, restrooms with hot showers, potable water, picnic areas and fire rings. But, while they



all have the same basic features, each river camp has its own personality. Whereas the platforms at Holton Creek river camp are situated in a deeply shaded stand of hardwoods, interspersed among sinkholes and swales, Adams River camp is high, dry and open — a reflection of the surrounding longleaf pine community.

TO MAKE RESERVATIONS:

- For cabins at any of the Florida state parks along the Suwannee River, call Reserve America at 800.326.3521 or (866) I CAMP FL or visit www.ReserveAmerica.com. Fees vary.
- For river camps, or to get information about additional lodging elsewhere along the trail, call 800.868.9914. Fees may apply.
- For lodging elsewhere along the SRWT, Visit the web site: www.SuwanneeRiver.com for a list of private campgrounds, cabins, motels and bed and breakfasts.

Before starting your trip, you should consider visiting the State of Florida's Suwannee River Wilderness Trail Headquarters, located at 4298 NW County Road 292, Mayo, FL (800.868.9914, 386.294.1120). The headquarters includes brochures and displays about the trail. You may also want to visit the Nature and Heritage Tourism Center operated by the Town of White Springs, located about a mile up the road from the launch site in White Springs (10499 Spring Street, White Springs, FL). This facility, operated by the Town, carries locally-produced arts and crafts as well as brochures, displays and visitor information about the area.

GET TO KNOW THE RIVER

MANY FACES OF THE SUWANNEE RIVER

As might be expected of a 235-mile river, the Suwannee has many faces and a diversity of natural communities. In a single day of exploration, you can easily visit half a dozen unique habitats. On a broader scale, the Suwannee has three distinct sections — the upper, middle and lower. To better understand the river and help plan your trip, we'll compare and contrast these sections.

In the upper Suwannee, the area between the Okefenokee Swamp and the Withlacoochee River confluence, the Suwannee carves a meandering course over the Northern Highlands. This is a remote, sparsely populated area of pine plantations and scattered hardwoods. The soil here is light and sandy.



Between White Springs and Suwannee Springs, the river descends a low ridge, or escarpment, called the Cody Scarp. This is the remains of an ancient shoreline, eroded by wave

action when the world's sea levels were much higher than today. The Suwannee's passage over the Cody Scarp is marked by massive outcroppings and sheer rock faces of limestone. Many of these are beautifully sculpted by water and chemical erosion.

In periods of low water, the rocky riverbed develops many fun shoals and quick-water chutes for the thrill seeking paddler. However, in very low water, these shoals become a series of exhausting pull-overs. Be sure to check with a local outfitter if you're unsure of conditions.

Its descent through the Cody Scarp marks the Suwannee's passage from the Northern Highlands into the lower, more level area known as the Gulf Coastal Lowlands. This emergence into the Gulf Coastal Lowlands also marks the beginning of the lower Suwannee region. While still very rural, the middle Suwannee is the most populated section of the river. Farming and ranching are mainstays of the local economy. The river itself hosts a greater diversity of aquatic life than the upper section, nurtured by minerals from the springs and nutrients from runoff brought by the Withlacoochee and other feeder streams. Limestone is still a major component of the riverbanks, but is gradually replaced by sand as it flows toward the Gulf.

More than anything else, it is the abundance of cool, freshwater springs that defines the middle Suwannee. Of the 196 springs in the Suwannee basin, the vast majority are found in this section. Few rivers in the world can boast such a density of springs, making the popular sport of "spring hopping" a uniquely Suwannee experience. In low water, you may encounter several shoals, but the channel



is deeper than those of the upper river and rarely require a pullover. Motor boats need to operate cautiously in this section during low water.

Near Fanning Springs you are in the lower Suwannee region. High banks have melted away and the river has become wild again — flanked by low bottomlands and floodplain forests. Those rare places where high ground abuts the river are usually topped by homes. Some aspects of the lower river make it less suited

to paddling than other sections. Wide-open water (which means more chance of winds), along with changing tides, can make very difficult paddling conditions that should only be attempted by strong, experienced paddlers. Boat ramps and access roads are rare, so getting help in an emergency could be difficult. But, with careful planning and all due caution, you'll find that the lower Suwannee offers some of the finest paddling. Exploring some of the many side streams, you'll find a fantastic swampy world of bald cypress trees, pumpkin ash, tupelo, swamp dogwoods and others. This rich environment hosts a wonderful variety of birds and other animals.

HEADWATERS

One of the highlights of exploring a new river comes as you arrive at the launch site. You've laid out your route, planned meals and marked your map with possible campsites. All the while, you've unintentionally developed an image in



your mind's eye of what the river looks like. Then you arrive, and all preconceived notions evaporate.

For those who plan to explore the Suwannee River Wilderness Trail from it's beginning, those magical first moments happen at the park alongside the US 41 Bridge. Walking down to the river's edge, the first thing you notice is that, while this is the beginning of the "Trail", the river itself is already in mid-life. Forty feet wide and entrenched between steep, 30-foot banks, the slow surge of tannin-brown water speaks of a river with history. It's a river that has known many environments and carved a watery lane through the home territories of countless animals. As you watch the debris of distant forests drift past — crimson maple leaves; pale red fruits that look like elongated

grapes (which your field guide reveals to be Ogeechee tupelo); bristly, round globes that appear to be some kind of seed vessel (you suspect sweetgum or perhaps buttonbush) uprooted aquatic vegetation; floating logs — you wonder about the forests from which they came. The darkness of the water, with its faint mustiness, hints at a swamp in the river's upper reaches. While your partners unload gear and carry boats to the river, their grumbled complaints go unheard as your mind drifts off on an imaginary voyage upstream — a quest to find the Suwannee's origins.

Moving upstream, (a direction of travel we recommend only for this imaginary tour) your first stop comes in five miles, where you find one of the State's geological wonders — Big Shoals. Here, the river passes through a rock-strewn terrace of limestone, creating an impressive and scenic shoal (a shallow area). In low water levels, this boulder field creates a series of relatively low drops. But, in medium flow, when levels are between 59 and 61 feet above mean sea level, it becomes a Class III rapid that even skilled paddlers should scout before running. Novices should avoid paddling through the Shoals by using the ¼ mile portage on the river's east bank.



The west bank above the shoals is Big Shoals Public Lands. Exploring some of the trails in this 3,772-acre park, you'll find a good sampling of the kinds of forest that flank much of the upper Suwannee. The river trail, connecting the main parking lot to the Shoals, stays close to the river channel for most of its length, passing through a low, scrubby forest of small, twisting oaks, sparkleberry and saw palmetto. All together, the park has nearly 28 miles of trails that take you through

a mix of pine and messic hardwood forests.

Continuing upstream from the Shoals, change comes slowly. Riverbanks remain steep-sided, but gradually become lower. Limestone along the banks is replaced by sand. Crossing into Georgia, 35 miles into your upstream journey (206 miles up from the Gulf), the river carries you past sandy, 5–6 foot banks, topped by open forests of longleaf pines and saw palmettos. Lower areas are forested with cypress, titi and laurel oaks. Most notable are the squat, troll-like Ogeechee tupelos that stand solemnly like steadfast sentries along the watery causeway. While these trees often seem ravaged by time and the elements, everything about their gnarly, multi-trunked appearance is a finely tuned adaptation for this environment.

After passing the small community of Fargo, (perhaps stopping in to visit the Suwannee River Visitor Center with its excellent interpretive displays and video) another 17 miles brings you to the Suwannee Sill. This 8 foot high, 4.6 mile long earthen dam, was originally built to hold back the waters of the Okefenokee Swamp. Inspired by



devastating wildfires in the early 1960's, it was hoped the Sill would prevent future fires by keeping the swamp consistently wet. In the decades following its construction, the Sill was found to be detrimental to the health of both the swamp and the Suwannee River that drains it. These days the floodgates are kept permanently in the open position, but the dam remains. It is hoped the dam will actually be breached some day, to allow boats to pass freely in and out of the swamp.

As you drag your imaginary boat over the Sill, you enter the great wet wilderness called the Okefenokee Swamp. But to call this simply a "swamp" is a gross understatement. Eight distinct wetland communities are found in the Okefenokee. Combined, they are home to at least 233 species of birds, 49 mammals, 64 reptiles and 39 species of fish. Underlying much of the swamp, an infirm layer of peat was the inspiration for the name "Okefenokee," a Seminole name meaning "trembling earth." The accumulation of peat is the result of the swamp's unique structure. Set in a basin, formed nearly 7,000 years ago as a depression in a shallow seabed, sediments and debris aren't carried away by the two primary drainage channels — the Suwannee and St. Mary's rivers. Instead, it has accumulated over the millennia to form layers 10–12 feet thick.

The importance of this vast wetland was recognized in 1939 with the establishment of the Okefenokee National Wildlife Refuge. Currently, the Refuge staff maintains nearly 110 miles of well-marked paddling trails in the swamp that can be accessed from four main entry points. Trip options range from simple, single-day outings to multi-day paddles requiring careful planning. Several excellent guidebooks and knowledgeable staff at the Refuge offices can help you plan your trip.

Having now indulged yourself in this fantasy tour of the upper river, it's a safe bet your boat is ready to go and your friends have either left you or are assailing you with high-pitched squeals. Either way, it's time to paddle.

SAFETY INFORMATION

Before you go make sure you're prepared. The following is a list of helpful information.

PERSONAL FLOTATION DEVICES (PFDS)

Wear a Coast Guard approved type III-V, properly adjusted lifejacket at all times when you are in or near the river.

FILE A FLOAT PLAN

Tell someone where you are going, when you expect to return, and where to call if you don't. A float plan is available online at www.floridastateparks.org/park/Suwannee-River-Wilderness-Trail or by calling 1-800-868-9914 for the Suwannee River Wilderness Trail headquarters.

PADDLE AT YOUR SKILL-LEVEL

Make sure that your water skills and experience are equal to the river and the conditions. During fall and winter, hunters are active on or near the river. Check before arriving for exact dates and seasons. In an emergency, stay with your canoe/kayak.

KNOW THE WATER LEVEL

Find out about river conditions – if the water is flooded, low, or normal. A flooded river is often dangerous and should be avoided. A low river may expose logs, stumps or rocks, requiring many liftovers, which make the trip slower and more difficult.

SHARING THE RIVER

Respect fisherman and landowners. Respect private property.

SECURE YOUR GEAR

Use a strap for eyeglasses and sunglasses. Carry gear and personal items in watertight containers or bags. Tie car keys to canoe or kayak or leave with outfitter

FISHING REGULATIONS

State fishing licenses in fresh and salt water are required, and species and size requirements are enforced.

FOOD

Do not leave food unattended. Store food in a secure compartment aboard a vessel or in a hard-sided cooler (not foam). Take food and water for one extra day.

PACK-IT-IN, PACK-IT-OUT

Bring trash bags for litter. Help keep our waterways beautiful!

HUMAN WASTE

Use toilets where provided. Bring a small plastic trowel for use at other times. Where there is no toilet, dig a hole at least six inches deep and cover it after use or, better yet, pack human waste and toilet paper to the nearest toilet (70 steps [200 ft.] from the bank of the river). Please wash dishes (and yourself) away from waterways and sprinkle the graywater over the ground to keep soap out of the river.



DON'T FEED THE ANIMALS

Do not approach wildlife so closely that it interrupts their natural behavior. Enjoy the diverse wildlife — but from a safe distance.

IMPORTANT SUPPLIES

Carry fresh water (1 gallon / 4 liters per person per day), compass, maps, anchor, sunscreen, sunglasses, rain gear, insect repellent, and tent (with insect netting).

ENCOUNTERING MOTORBOATS

Canoeists will encounter motorboats. Angle into the wake of a boat to minimize the chance of overturning.

IF YOU ARE IN TROUBLE

Stay with your vessel near a landmark or campsite. Set anchor or tie up immediately. Call 911. Try to attract the attention of other boaters.

WINDS AND WEATHER

Thunderstorms occur frequently in summer. Hurricane season is June through November. Prepare for sudden wind and weather changes at any time. Anchor or tie your boat securely.

WEAR SHOES

Old gym shoes or shoes with tops and sides offer the most protection. Avoid sandals. Use a sun hat on bright warm days. Take along a windbreaker or rain gear.

SIGNALING DEVICES

Carry at least one signaling device on every trip – a flashlight, strobe, three flares, horn/whistle, cell phone, VHF radio, bright flag or a mirror are some key items to have along.

CONTACT US BEFORE YOU LEAVE

Call the Suwannee River Water Management District for river levels, land restrictions, access or special conditions. 386.362.1001, 800.226.1066 (FL only)

www.mysuwanneeriver.com or email recreation@srwmd.org

FROM THE RIVER'S PAST...

PREHISTORIC INDIANS

When the first humans arrived, nearly 12,000 years ago, Florida was a much drier place than it is today. At that time, many of today's flowing springs were non-flowing karst windows (see Karst Topography). In the dry environment, these sources of healthy, fresh water were important oases. Relatively few campsites of these nomadic Paleoindians have ever been found.

NARVAEZ

The first Europeans to gaze upon the Suwannee were Spanish soldiers led by Panfilo de Narvaez. They crossed somewhere in this area in the spring of 1528, during an ill-fated exploration of Florida. Unfortunately, they also suffered the first recorded drowning in the Suwannee when an over-eager conquistador steered his horse into the river, thinking he could cross. He and the horse drowned. This was just the beginning of a series of misfortunes that ended in total disaster. Only three men survived to tell the story — Narvaez wasn't one of them.

A FAMOUS CROSSROAD

At Charles Spring the watery path of the SRWT intersects one of the oldest and most important overland trails in the State. For centuries before Europeans set foot in Florida, indigenous tribes used it for travel and trade. In 1539, explorer Hernando De Soto and his army followed the trail through north Florida and crossed the Suwannee here at Charles Spring. In the following century, as Spanish authorities secured control of Florida by converting the Indians to Christianity, they established a chain of missions stretching from St. Augustine to the Tallahassee area. At this crossing they built the mission San Juan de Guacara. This chapter in the trails history earned it the label it carried for centuries the Mission Trail. When it was improved for wagons in the early 1820s, it was renamed Bellamy Road in honor of its builder and became the first federal road in the newly acquired U.S. Territory of Florida. Travelers on Bellamy Road crossed the river by ferry. The steep-walled driveways down to this boat ramp and at Ezell Landing across the river mark the ferry landings.

DESOTO'S EXPEDITION

Eleven years after Narvaez' failed expedition, Hernando DeSoto led another army through Florida. In true conquistador fashion, the Spaniards killed any native who stood in their way and captured others for use as guides. By the time they reached the Suwannee valley (from their landing in Tampa Bay) they had riled the Indians so much that, for protection, they kidnapped a Chief and his daughter from the village at Ichetucknee. Later, near today's town of Live Oak, they engaged in one of the bloodiest massacres in early Florida history, killing hundreds of Timucua, including eight chiefs. From that bloody battleground they came to the banks of the Suwannee and crossed at Charles Spring. Over the next couple of years they went on to explore much of the southern U.S., eventually "discovering" the Mississippi River. Like his predecessor, Desoto did not survive to tell his tale.

MISSION SAN JUAN DE GUACARA

In the late 1650s, following the bloody Timucuan Rebellion, a Spanish mission called San Juan de Guacara was established on the high ground alongside Charles Spring. From this mission, the monks oversaw the ferry operation, most likely operated by Indians using canoes. This mission outpost lasted for over twenty years until 1691, when Yamassee Indians attacked and razed it.

THE VILLAGE OF TALAHASOCHTE

In the mid 1700s, following the extermination of indigenous Timucua tribes through disease and warfare with European colonists, Creek Indians from Georgia moved into north Florida. Soon they were being referred to as Seminoles, possibly a derivation of "cimarron" meaning "breakaways," referring to their having left their ancestral homeland. One of the earliest known Seminole villages was Talahasochte, located near New Clay Landing. According to William Bartram, Talahasochte consisted of nearly thirty dwellings.

WILLIAM BARTRAM

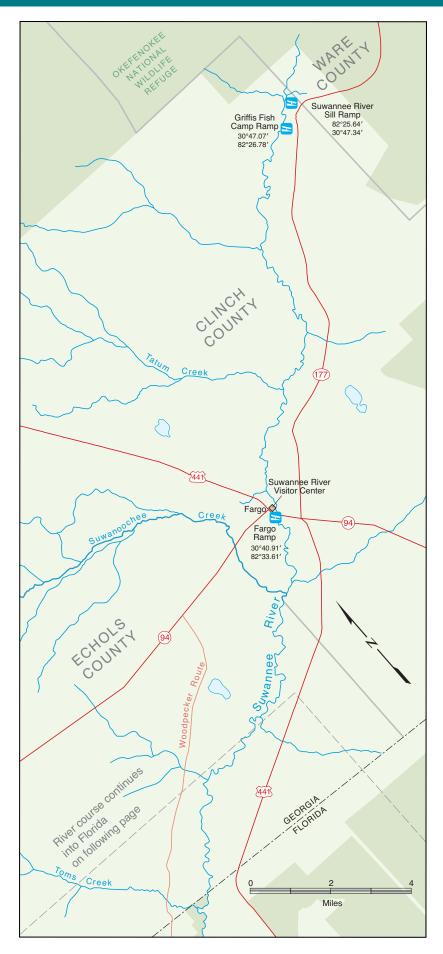
In 1774, explorer/naturalist William Bartram visited Talahasochte. In his book "Travels" Bartram gave an excellent, first-hand description of the village and the Seminoles living there, as well as the local plants and animals he encountered. He was the first to use the name Manate (sic) Springs, not because the animals like this spring, but because of a recently butchered manatee he saw on the springs bank.

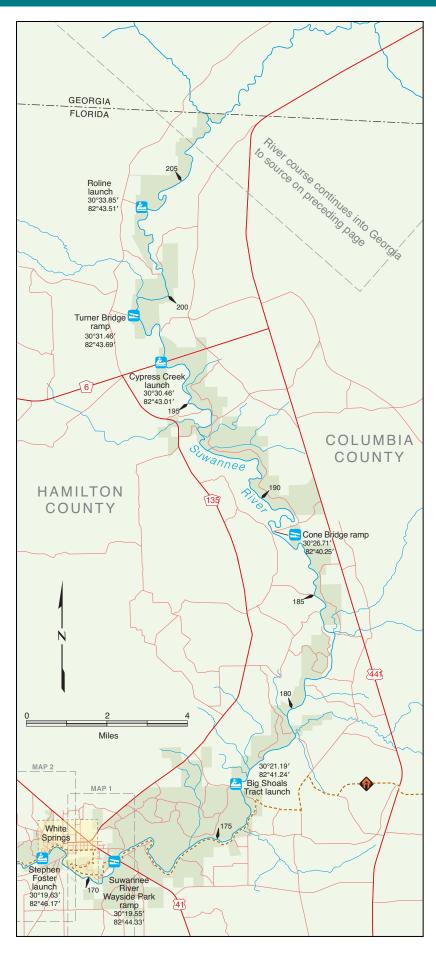
A TALE OF NO CITIES - THE TERRITORIAL CAPITAL STORY

Had it not been for a strange twist of fate, the high banks along this stretch of the Suwannee would today be a roaring metropolis. In 1823, shortly after Florida became a Territory of the U.S., two men were chosen to find a site for the capitol. One of them, a Dr. Simmons, passed here on his way to meet the other, John Lee Williams, at St. Marks. At St. Marks, Simmons told Williams he had found a suitable site on the Suwannee, so the two men hired a boat and set off to see the site. Unfortunately, the guide couldn't find the entrance to the river among the many islands at the mouth, so they returned to St. Marks. With time running short, they finally settled on a location a bit north of that town, an abandoned Indian settlement called Tallahassee.

CHARLES FERRY

In 1824, three years after the United States bought Florida from Spain, a young trader named Rubin Charles and his wife Rebecca established a trading post alongside the beautiful little spring that still bears their name. It was an ideal site, overlooking the intersection of two important routes, the Suwannee River and the old Mission Trail. The Charles' were among the areas first pioneers. Ruben died around 1840, but Rebecca stayed on. Legend holds that the Charles' were friends with local Indians, who told them to always wear red scarves to identify themselves and so go unharmed when traveling. One day Rebecca forgot to put on her scarf when going to the spring for water and was mistakenly killed by Indians. Their graves, the oldest in the Suwannee valley, are located in a quiet family plot in the nearby forest.





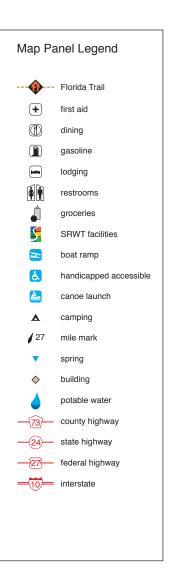
USING THE GUIDE

This guide follows the Suwannee River Wilderness Trail in the downstream direction, based on the assumption that most paddlers prefer to paddle downstream, going with the current. Following the river in the downstream direction does present one possible bit of confusion. Mileage on the Suwannee (and most other rivers) is designated with mile "0" at the rivers mouth and going up as you move upstream. This allows boaters to know how far they are from the river's mouth. So, as you paddle in the downstream direction on the SRWT, the mile marks will get smaller on your map (don't look for mile markers on the river, there are none). In short, map #1 of this guide begins at mile 171 (at White Springs) and map #56 ends at mile 0 (at the Gulf of Mexico).

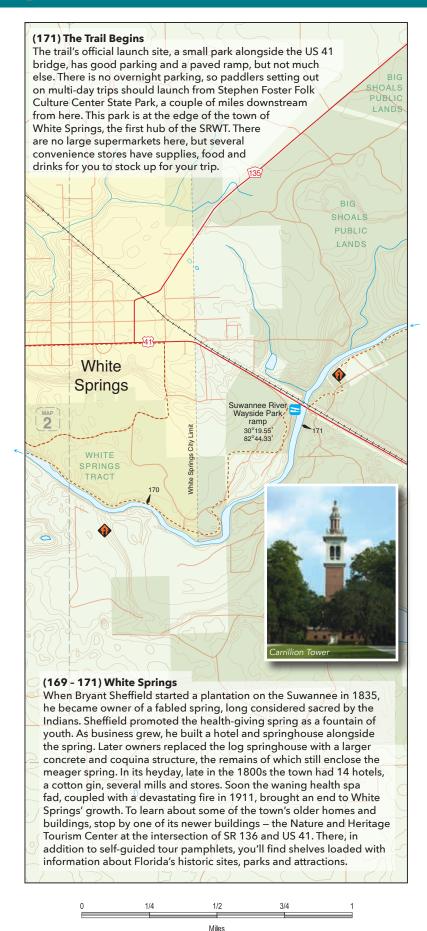
In keeping with convention, the terms "river right" and "river left" refer to those sides of the river as seen when facing downstream. So, if you're paddling downstream, "river left" is on the left side and "river right" is on the right.

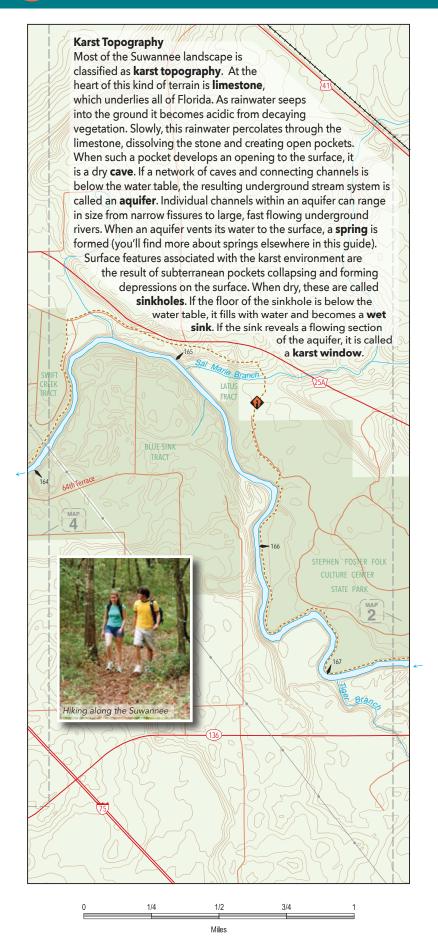
The coloring of the map designates management responsibility and, therefore, allowable usage.

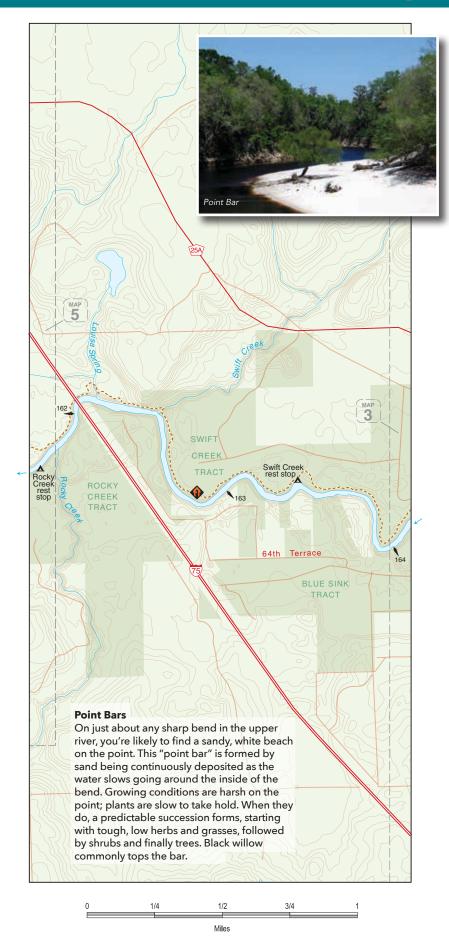
- Dark green designates public conservation lands. While these are all open to public usage, restrictions and seasonal issues may apply so be sure to check with the appropriate agency (see contact information).
- Light green areas are private property. These lands are off limits to users of the Suwannee River Wilderness Trail. Please respect these boundaries.
- Light yellow areas are within city limits.
- Brown areas are Private SRWT Partnership Hubs
- Blue arrows Small blue arrows at the edge of each map indicate the direction the river is flowing.
- "Rest stops" while there are countless, inviting sand bars along the river in low water, during higher periods, rest areas are limited. Areas marked on the map as "rest stops" are public places that are accessible at all water levels except extreme flooding.

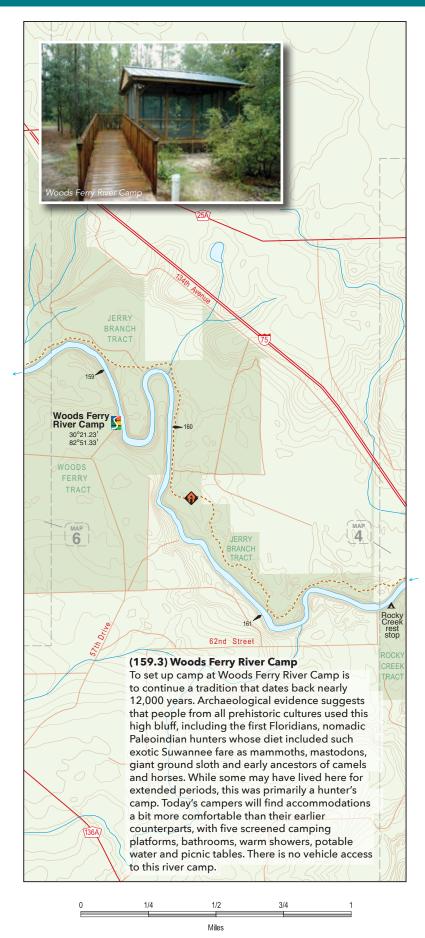


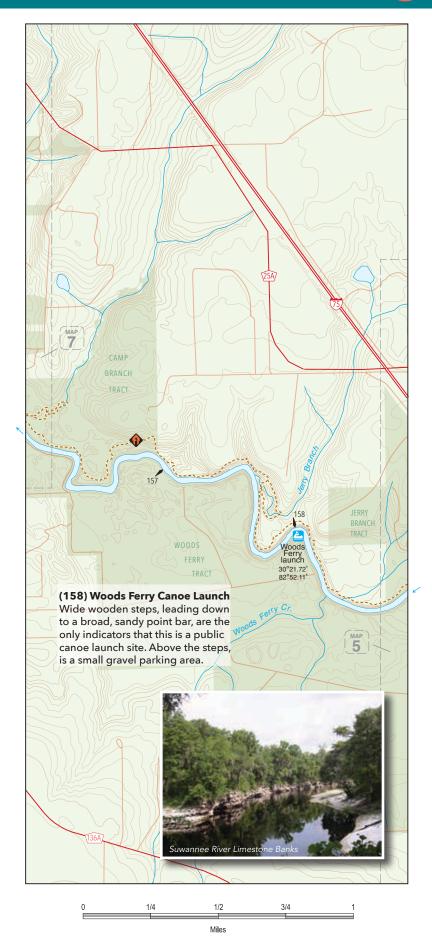


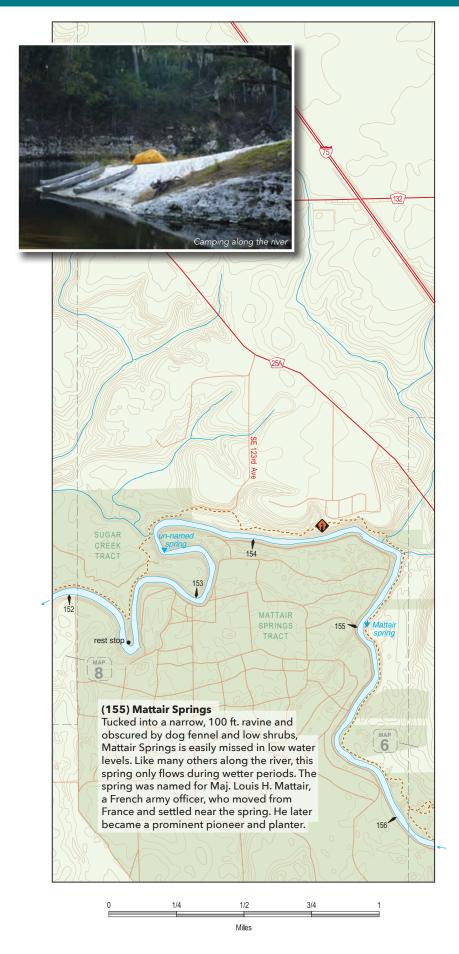


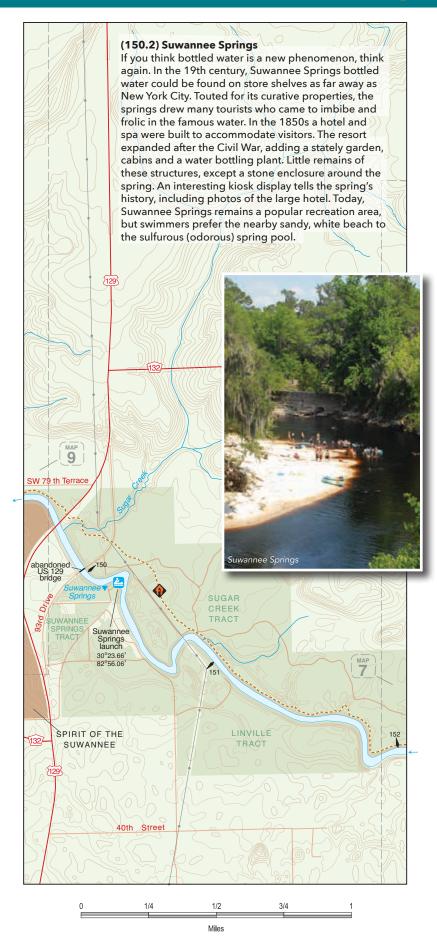


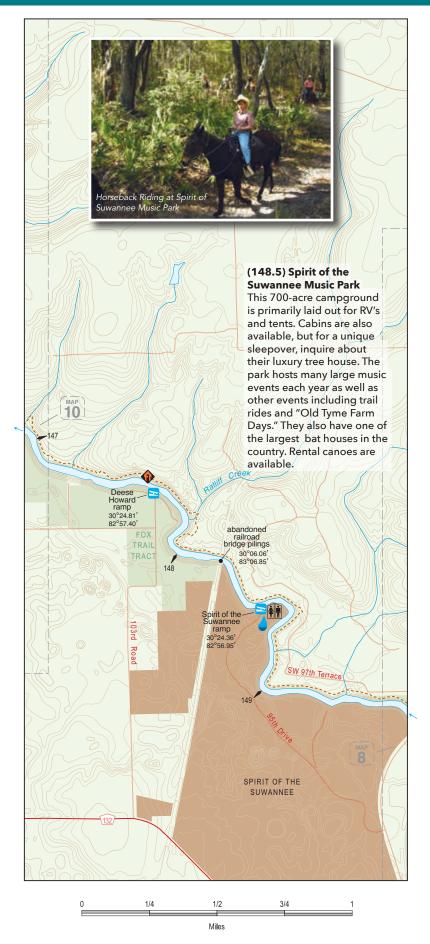


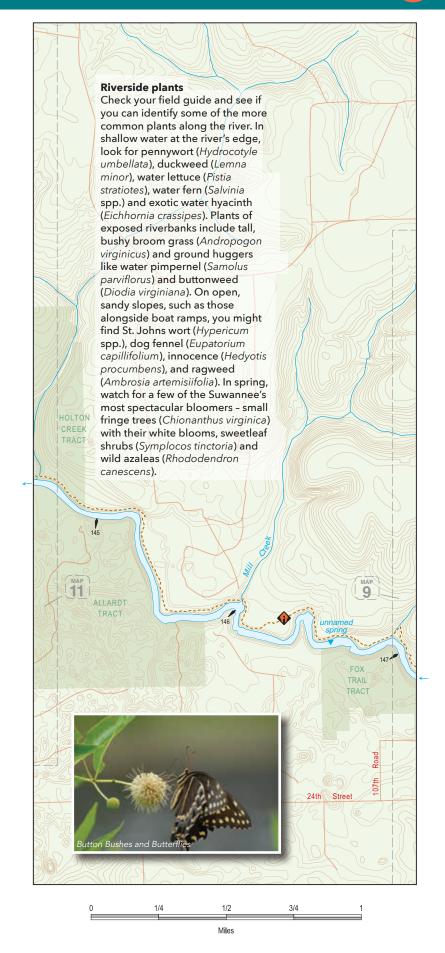


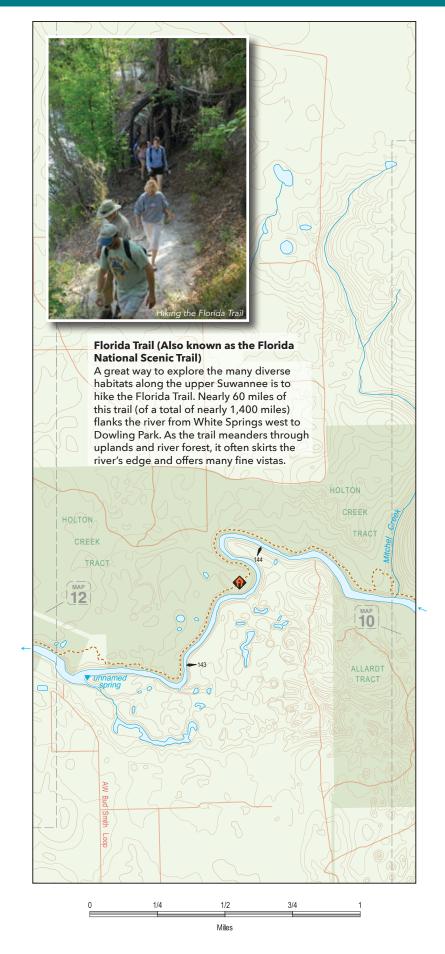


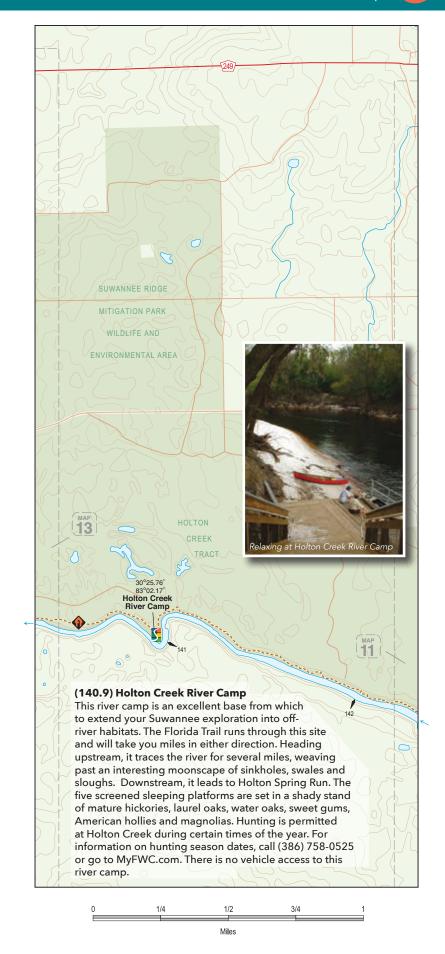


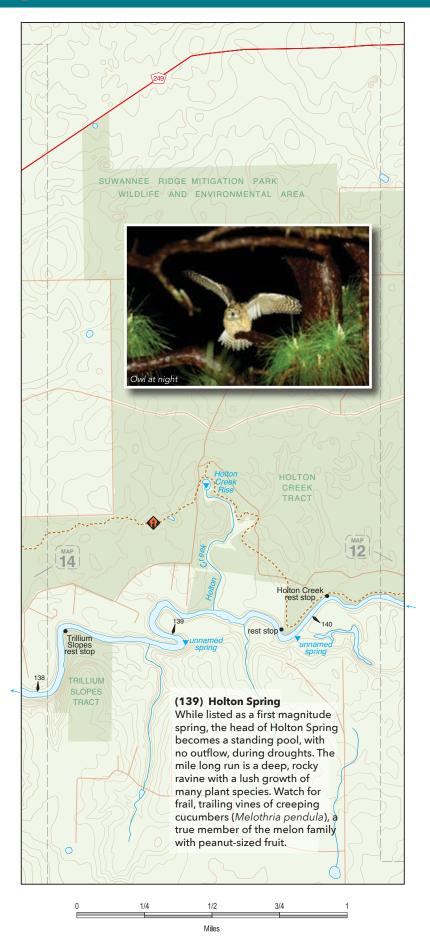


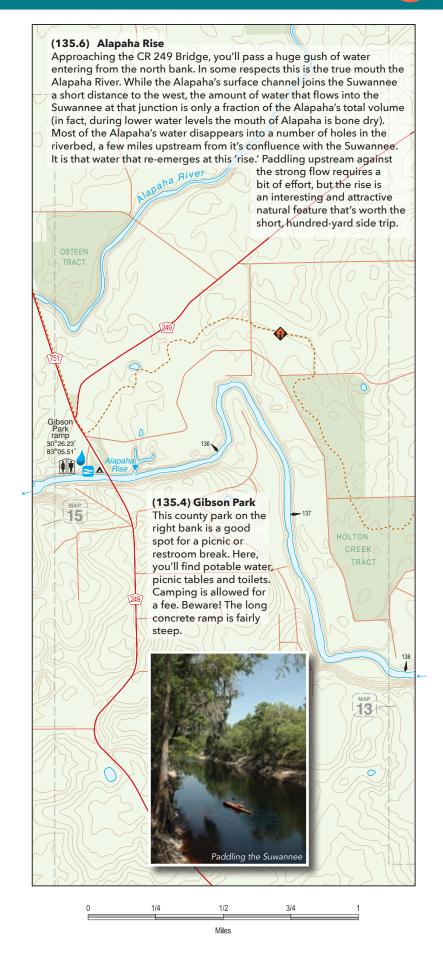


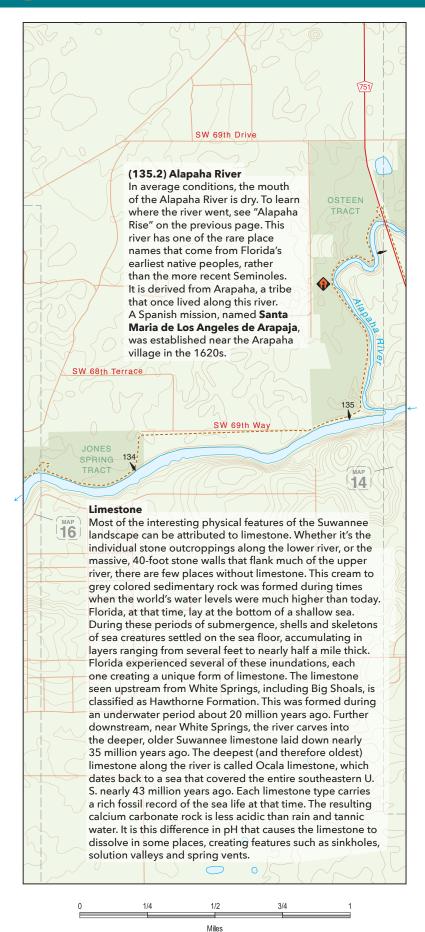












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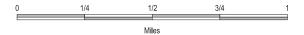
Civil War on the Upper Suwannee

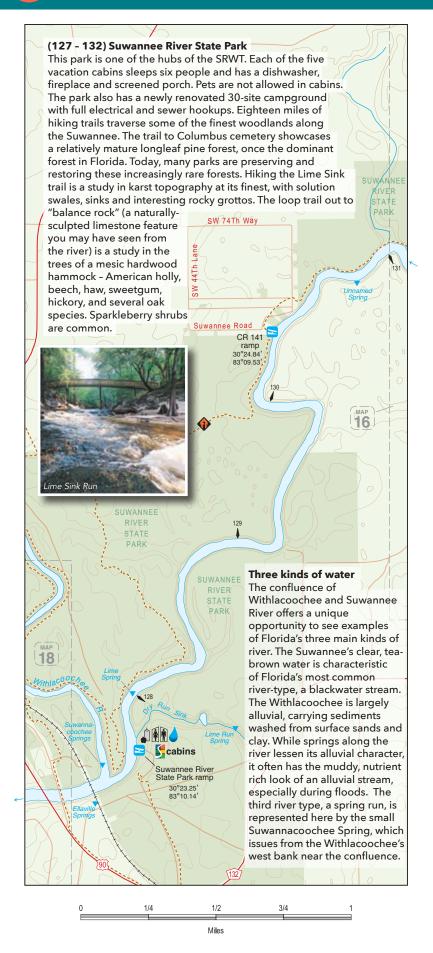
By the onset of the Civil War, Columbus was a riverboat landing and a railroad town. With the only rail-bridge spanning the river, Columbus became an important asset for the Confederacy, bringing supplies northward to the front lines. As the war progressed and supply lines from the West were severed, this rail connection became increasingly critical to the Confederacy. In 1864, Union General Truman Seymour was ordered to march his troops west from Jacksonville and take the bridge. Confederate troops sent to guard the bridge dug a large earthwork 'fort' overlooking the river. At the outset, Seymour's force far outnumbered the Rebel defenders sent to intercept them. However, their advance was slow, giving the Rebels time to bring in additional soldiers from other states. On February 20, 1864, the two forces met about 45 miles east of Columbus near Ocean Pond. The Battle of Olustee would prove to be the largest in Florida, with a horrific casualty rate approaching 50% on both sides. The Union army was forced to retreat and the bridge was spared. For the remainder of the war a steady flow of trains, loaded with supplies and ammunition, rumbled across the bridge headed north to the front lines. After the war, one of the more notable pieces of cargo to roll across this bridge was the body of recently executed Lewis Powell (aka Paine) - one of the conspirators in Lincoln's assassination. Powell's home was just south of here in Live Oak.

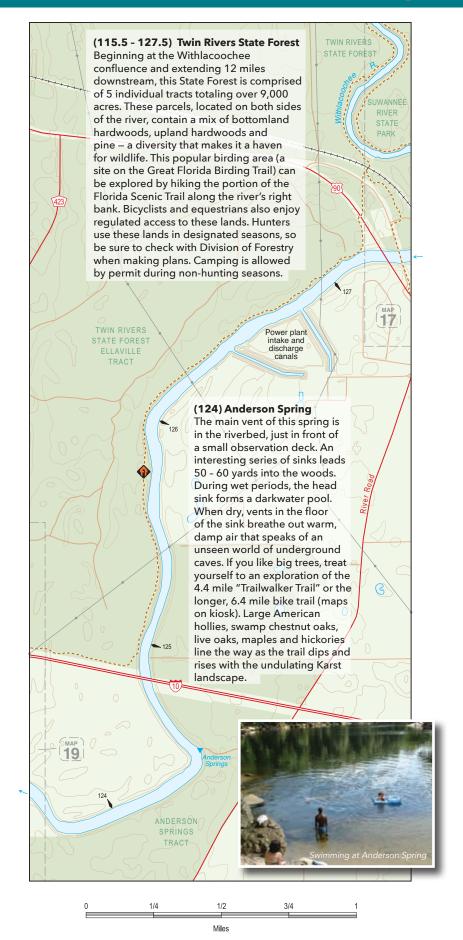


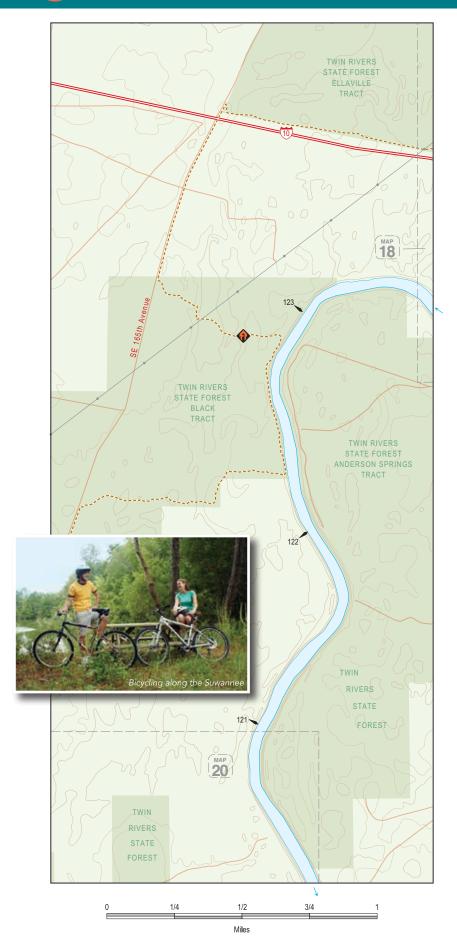
Withlacoochee River (shown on following page)

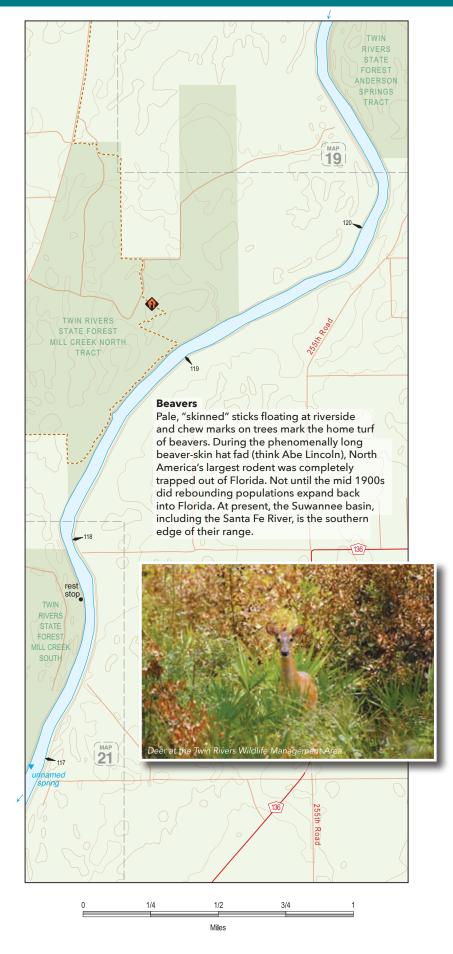
The Withlacoochee River is an important part of the Suwannee system, not only for its volume (nearly equal to that of the Suwannee), but also for its composition. Most of its water is alluvial, carrying surface runoff from a 2,360-square mile watershed mostly in Georgia. Rich in nutrients and less acidic than the upper Suwannee, changes brought by the Withlacoochee are reflected by a significant increase in species diversity below the confluence. In appearance, the Withlacoochee is much like the upper Suwannee. The upper Withlacoochee has a slow, easy flow through relatively low forests, while springs and high limestone bluffs highlight the lower section. The largest spring on the Withlacoochee is Madison Blue Spring, located eleven miles upstream from the confluence. Madison Blue Springs State Park has excellent swimming. Below Madison Blue Spring, low water levels reveal several shoals – fun for paddlers, dreaded by motorboats. The largest, (called "Nick's Shoal" by the locals) is located about 2 miles above the confluence. In lower water levels, this one should be scouted carefully or portaged around. The best course is to right of center. Like the Suwannee, some of the Withlacoochee's shoals require a short portage in very low water. Be sure to inquire about water levels with a local outfitter before paddling.

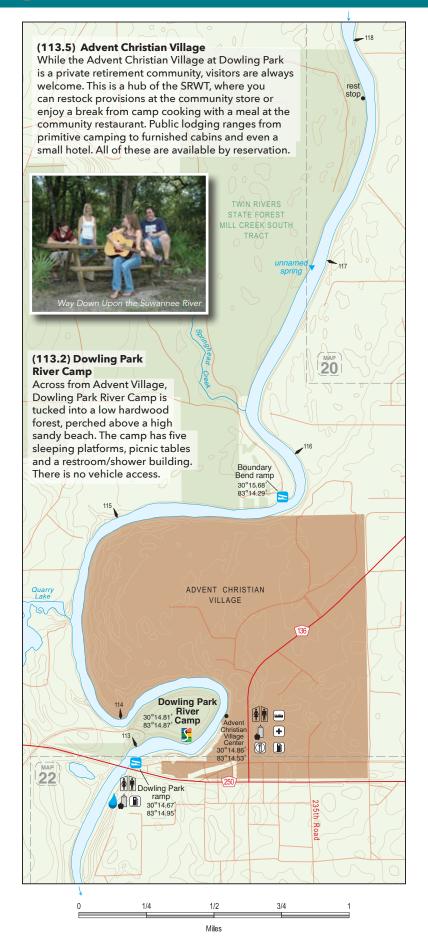


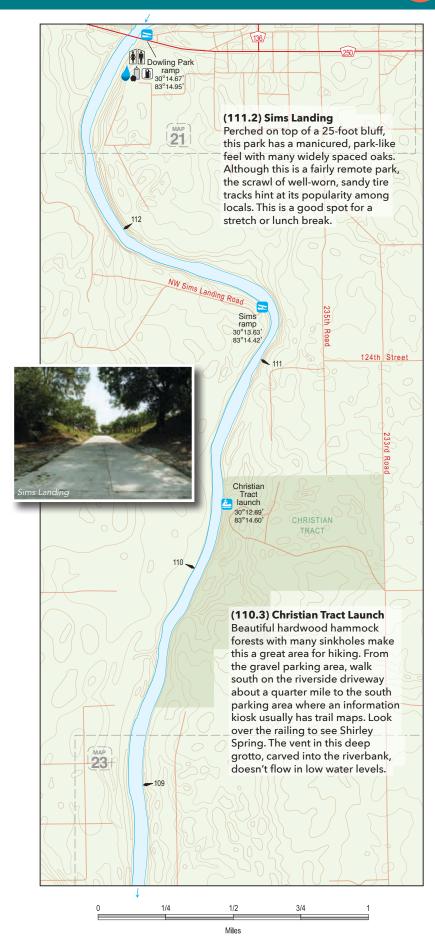


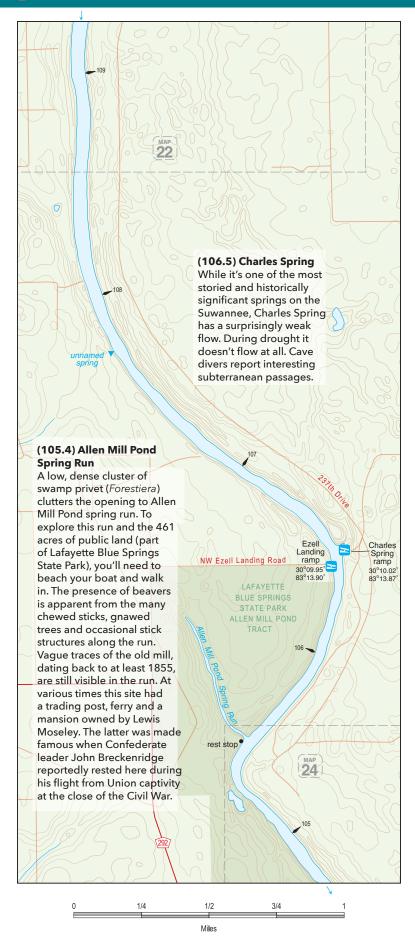


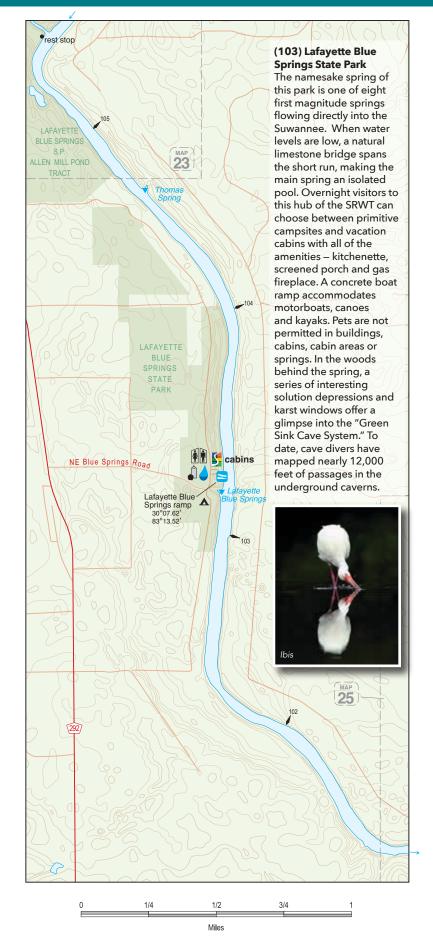












Blooms on the Suwannee

Spring comes early to the Suwannee. While the red flowers and developing seeds (samara) of red maples are often seen as early as December, it's usually February before the real spring show begins. Scan the high bluffs for thickets of wild azaleas (Rhododendron canescens). Unremarkable at other seasons, these shrubs enjoy brief stardom in March and April with fragrant pink blooms. Another shrub whose blooms are as fragrant as they are beautiful is sweetleaf (Symplocos tinctoria). Fringe trees (Chionanthus virginica), are usually loners, seen as widely scattered individuals. Their frilly white blooms give these small trees the appearance of a puff of white smoke. Walking the forest trails, brilliant yellow, tubular blooms laying on the ground tell you yellow Jessamine (Gelsemium sempervirens) is blooming in the canopy overhead. More color is added to the spring-time forest by the pink blooms of redbuds (Cercis canadensis), small, bellshaped blooms of sparkleberry (Vaccinium arboretum), and small white flowers of large shrubs (small trees) of Walter viburnum (Viburnum obovatum), haw (Crataegus spp.) and hog plum (Prunus umbellata).

101

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Springs

One of the things that set the Suwannee River apart from all other rivers is the abundance of freshwater springs. Conditions for the formation of springs (as described in the **karst topography** segment) are ideal on the Suwannee, as the river flows over the limestone layers containing several aquifers - including the large Floridan Aquifer. The water temperature of the springs remains fairly constant year-round, generally ranging from 71° – 73° F. Mineral components vary, depending on the composition of the rocks through which the water flows.

Springs are classified by the amount of water they discharge. There are four primary classifications.

First magnitude - Has a flow of more than 100 cubic feet per second (over 64 million gallons/day)

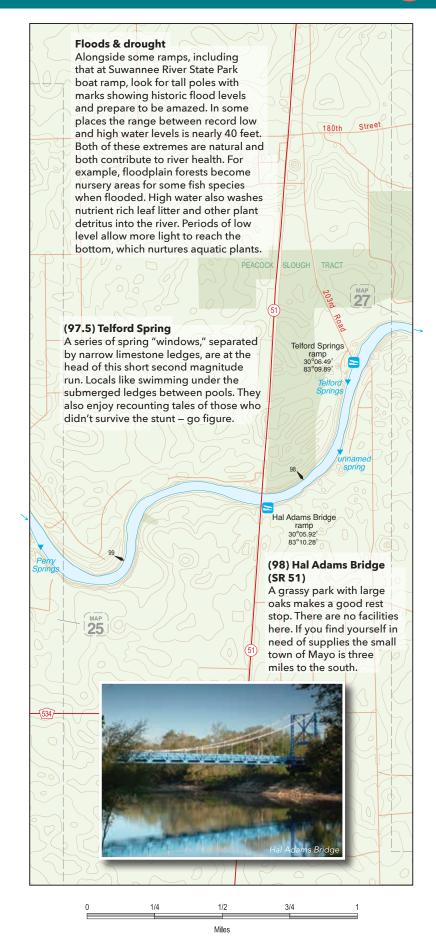
Second magnitude - Has a flow of 10 - 100 cubic feet/ second (between 6.4 and 64 million gallons/day)

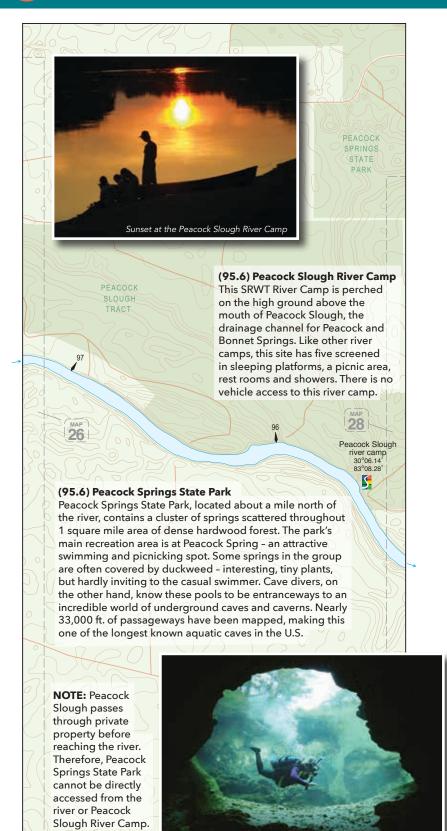
Third magnitude - Has a flow of 1 - 10 cubic feet/ second (between 0. 64 and 6.4 million gallons/day)

Fourth magnitude - Has a flow of less than 1 cubic feet/ second (less than 0.64 million gallons/day)

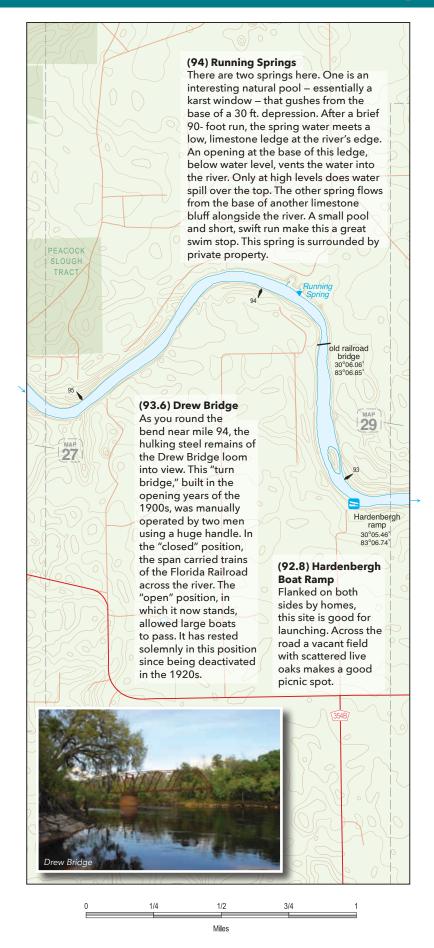
Of the 196 recorded springs in the Suwannee basin, 18 are first magnitude, 87 are second magnitude, 57 are third magnitude and 34 are of fourth magnitude.

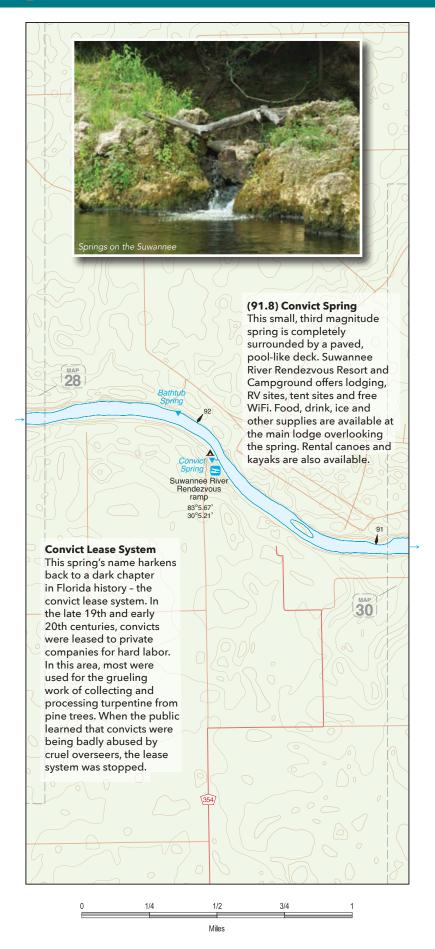
0 1/4 1/2 3/4 Miles

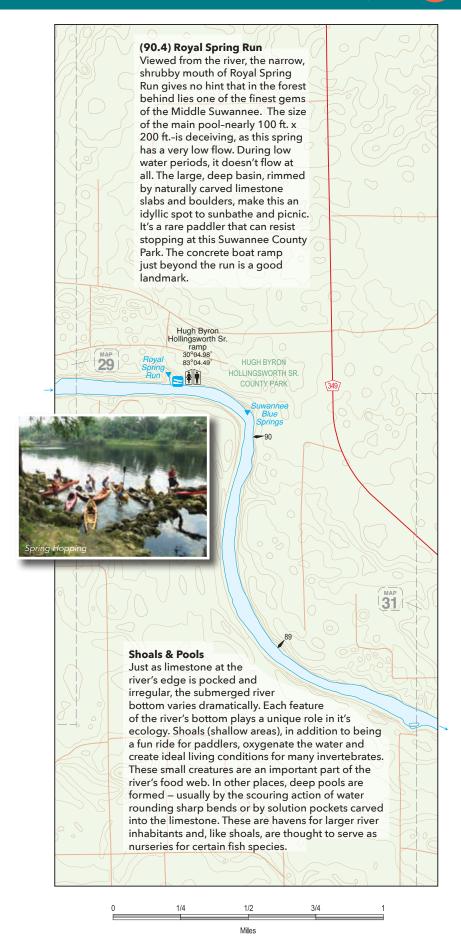


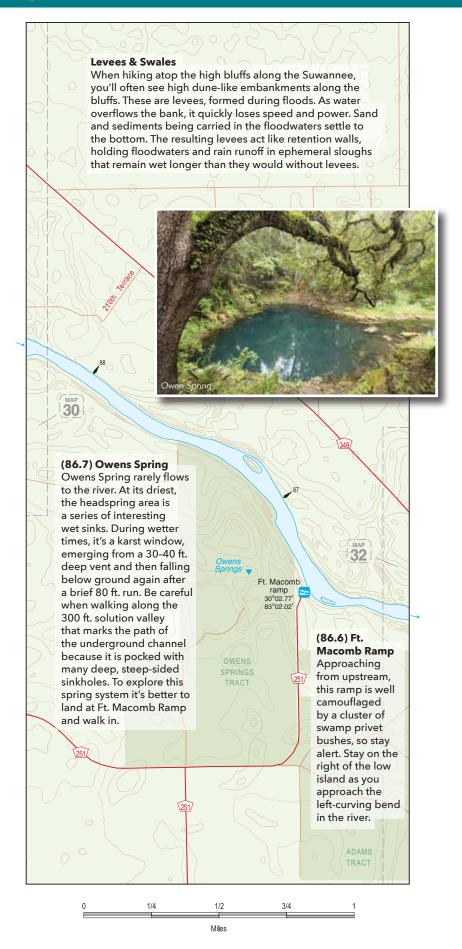


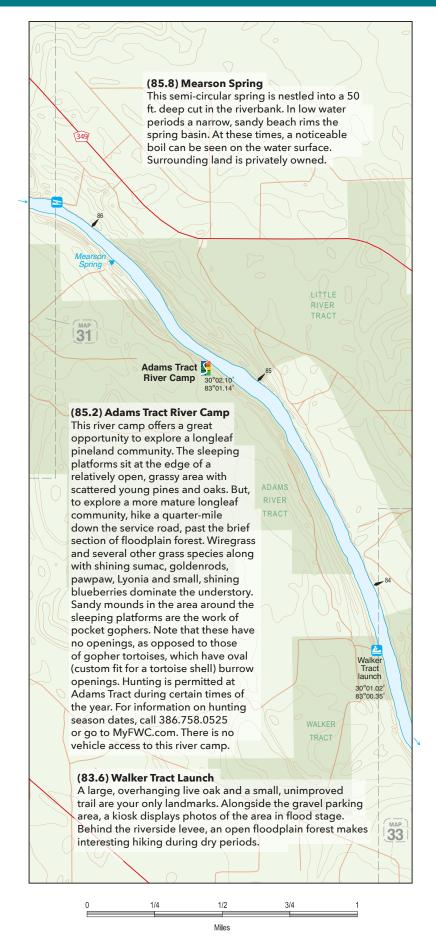
Spring Diving

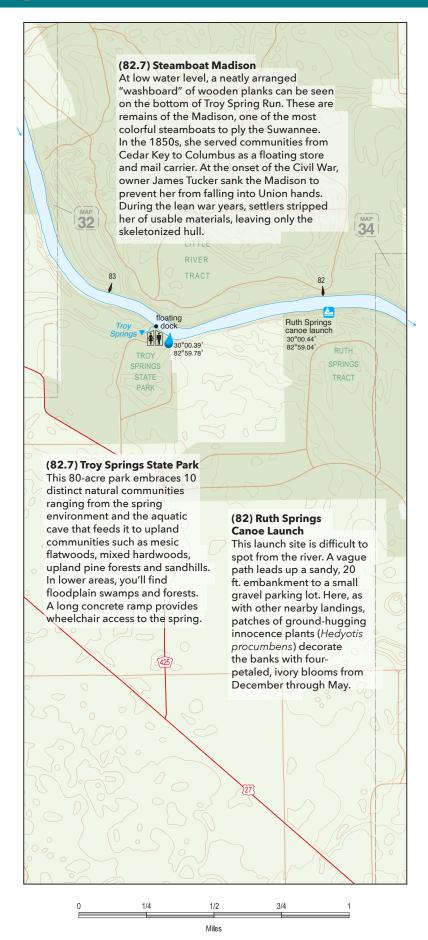


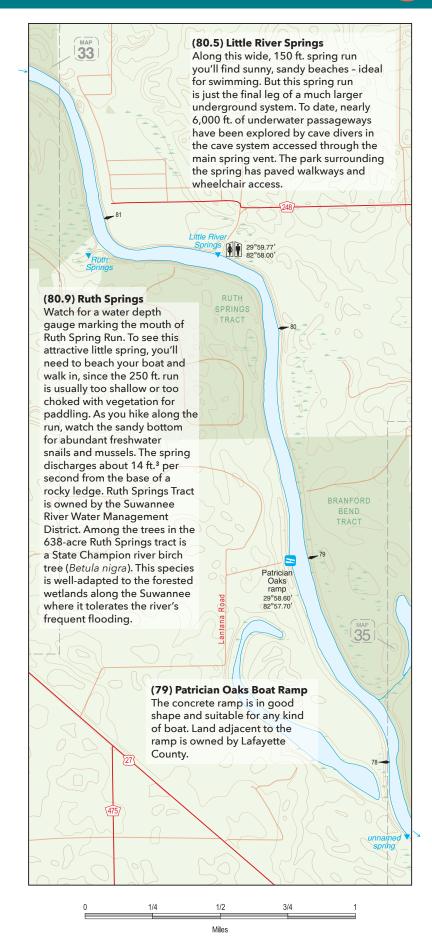


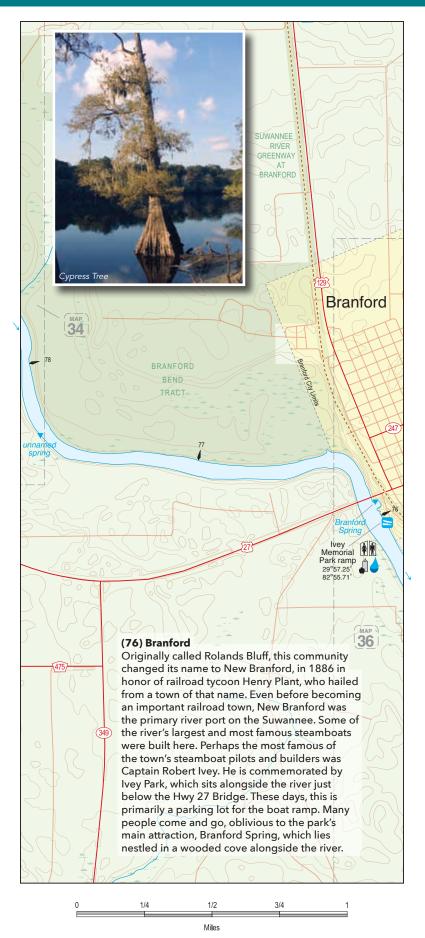


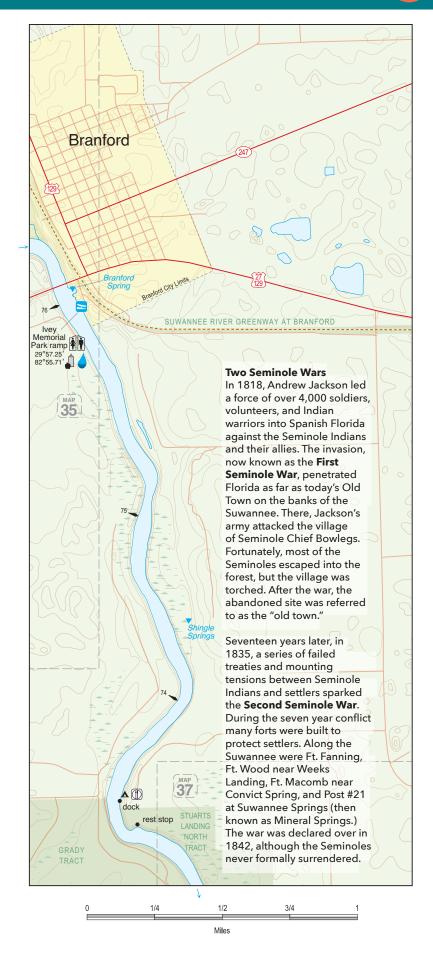




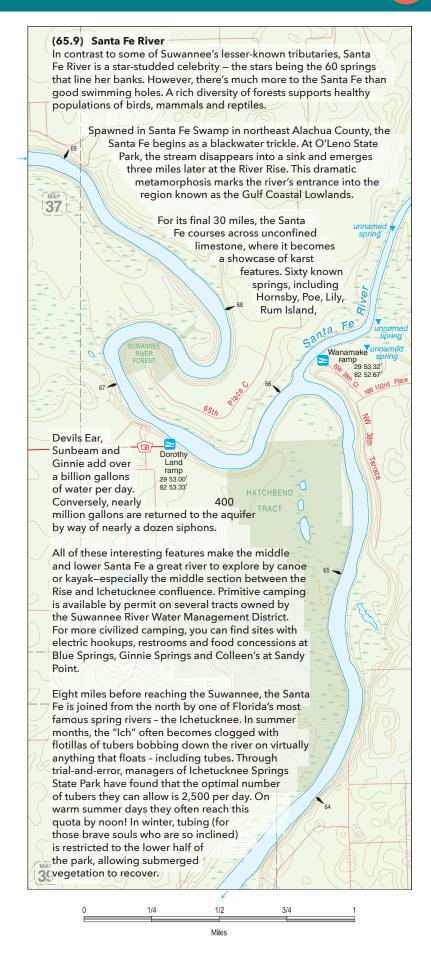


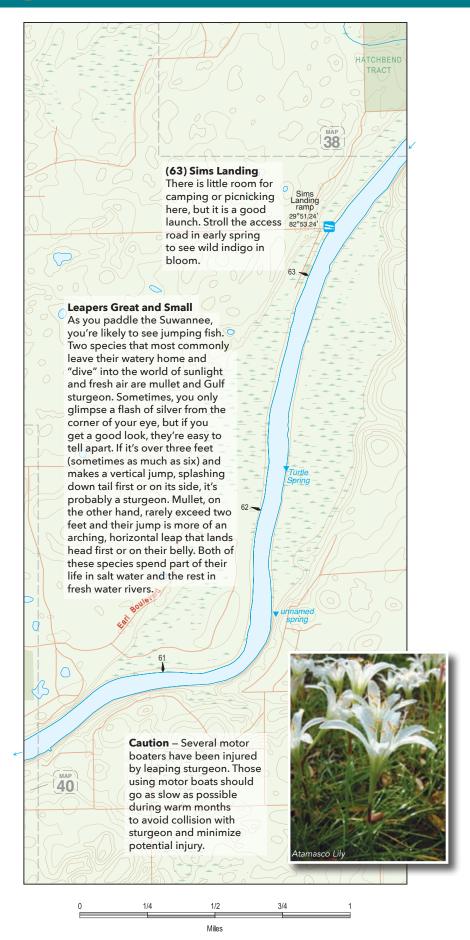


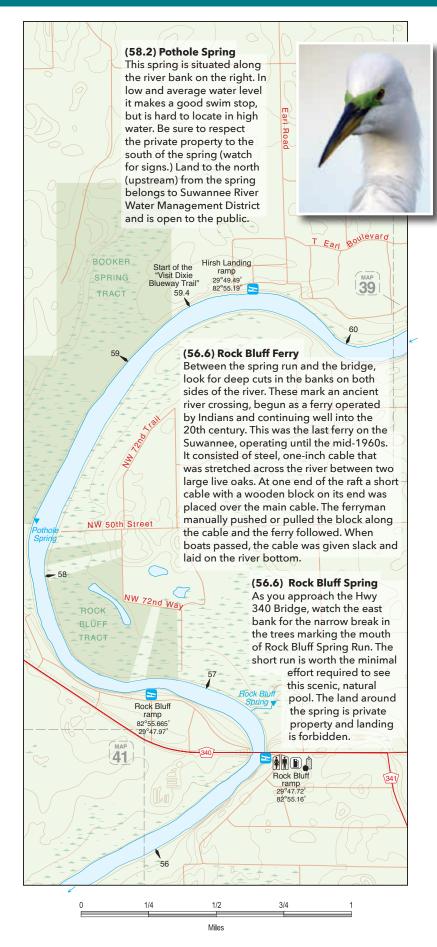


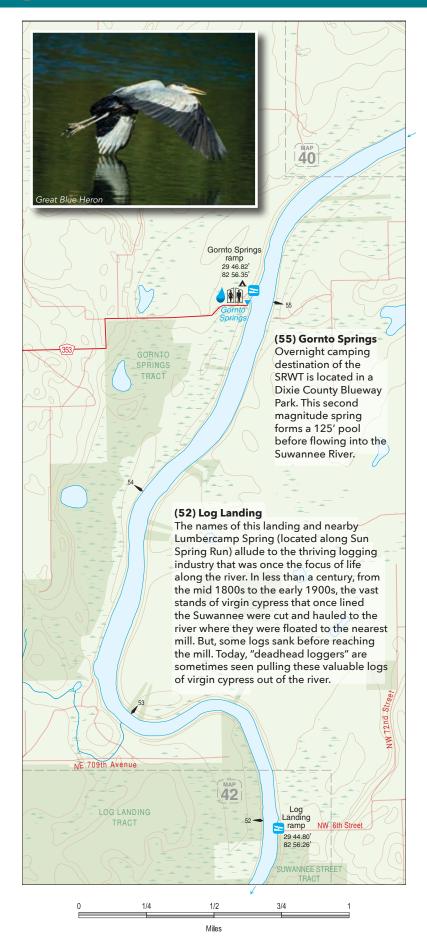


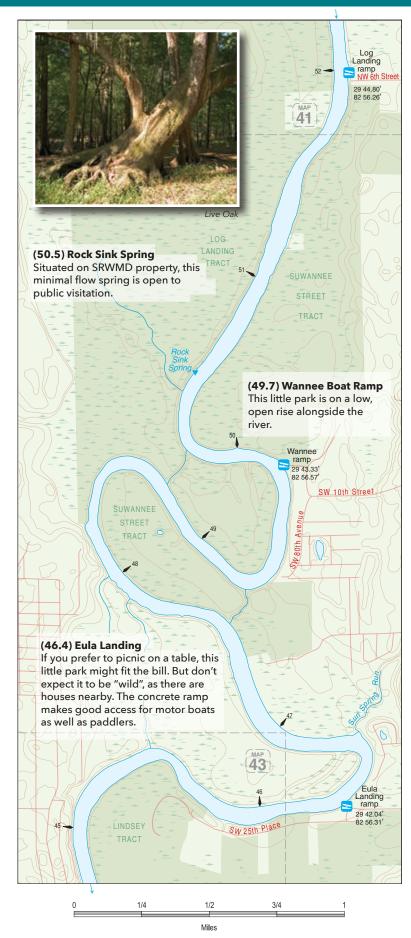


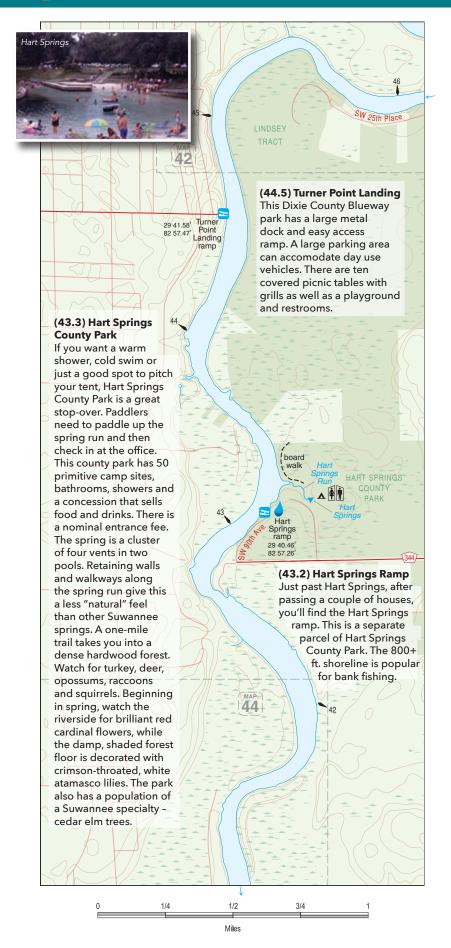


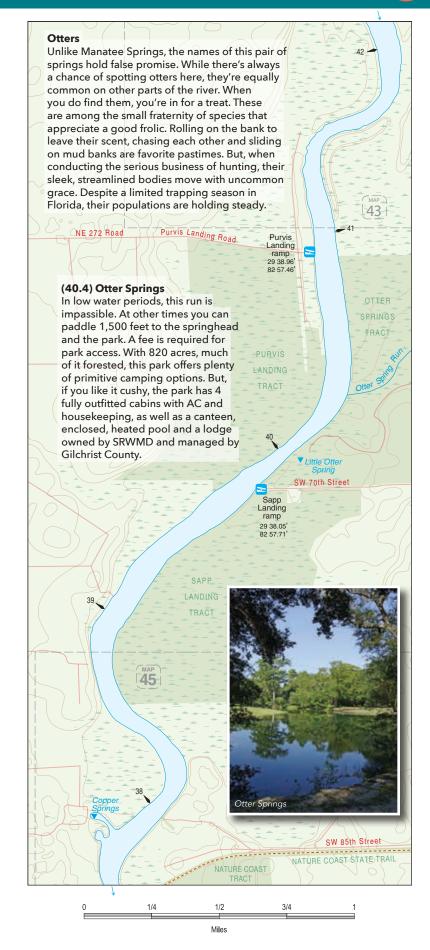


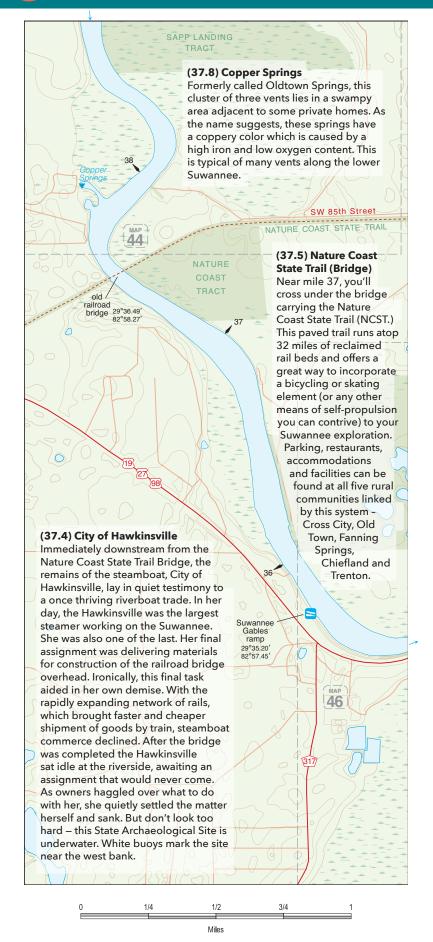


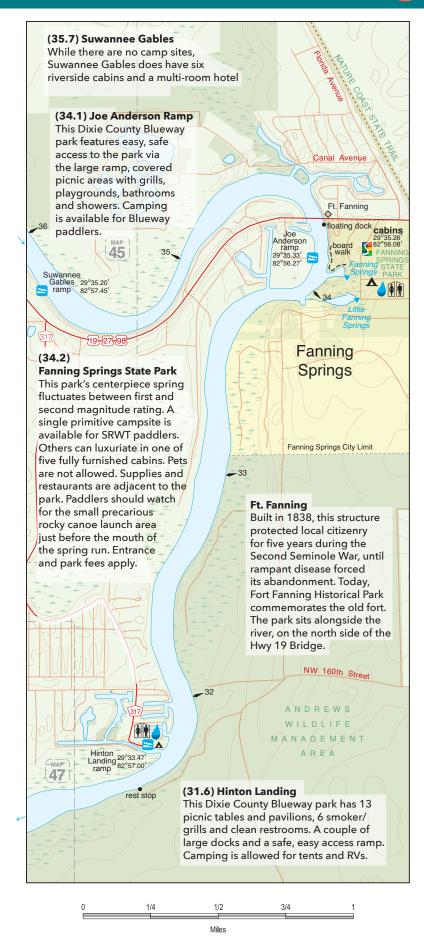


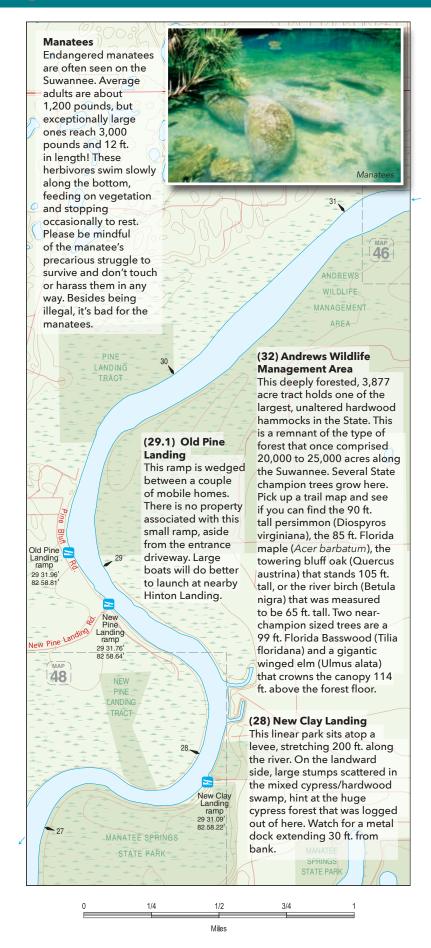


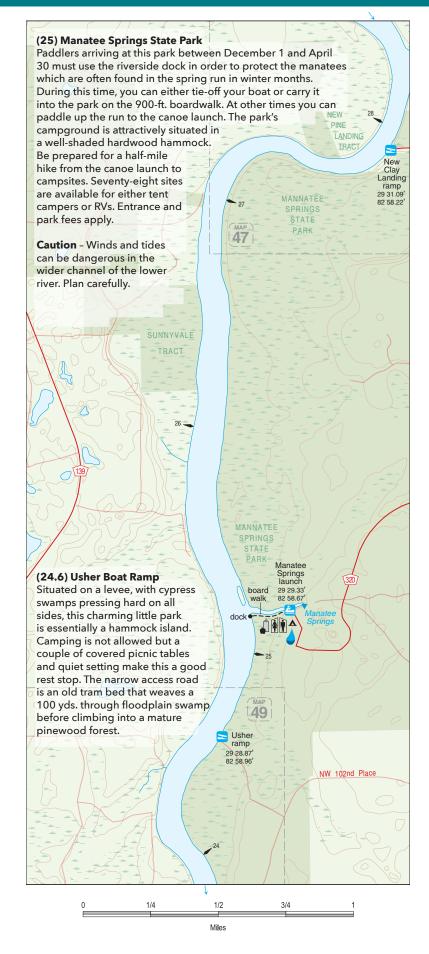


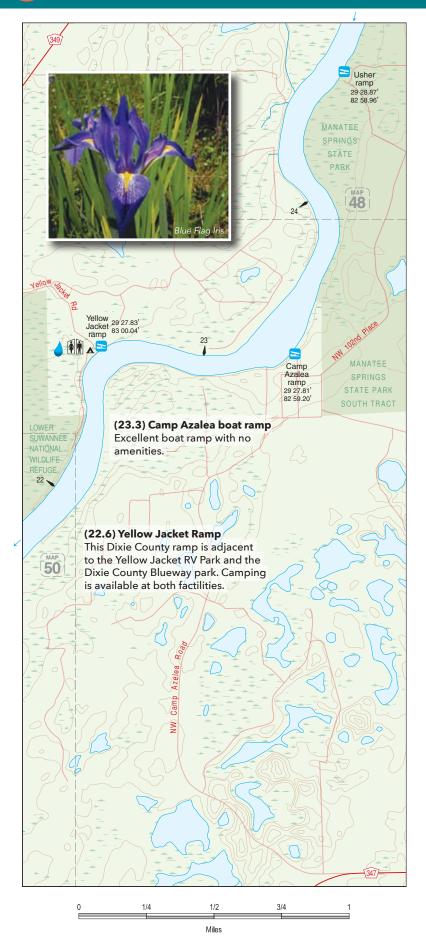


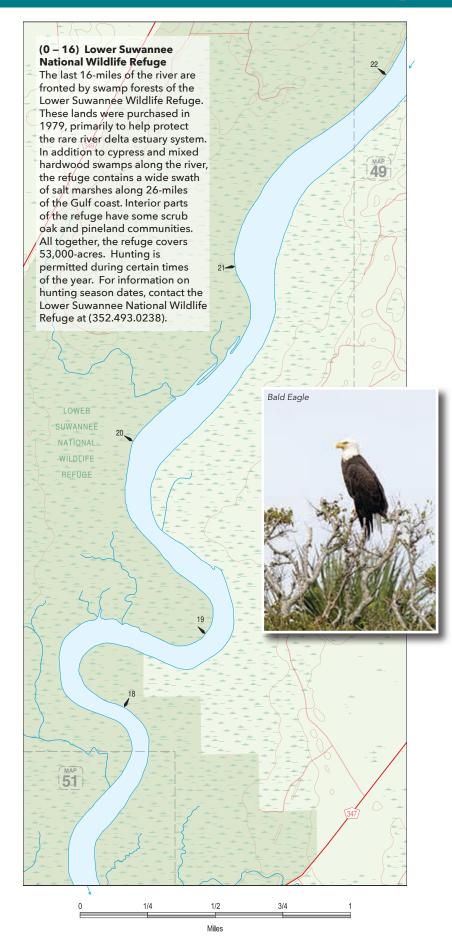


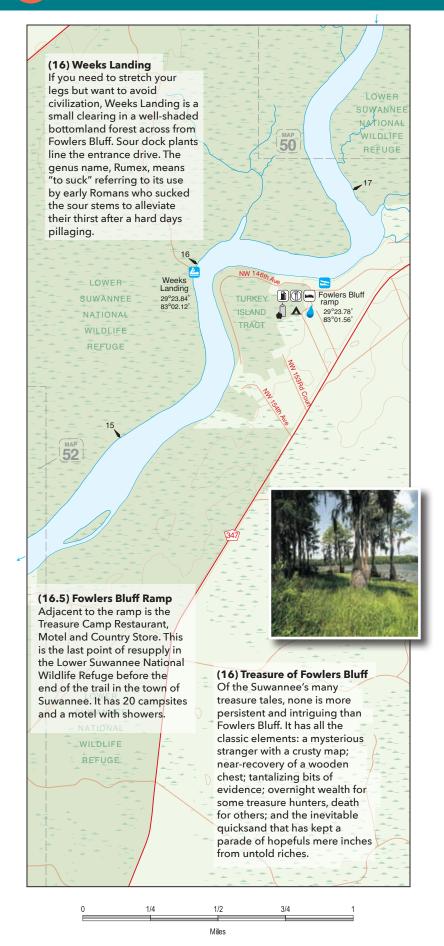


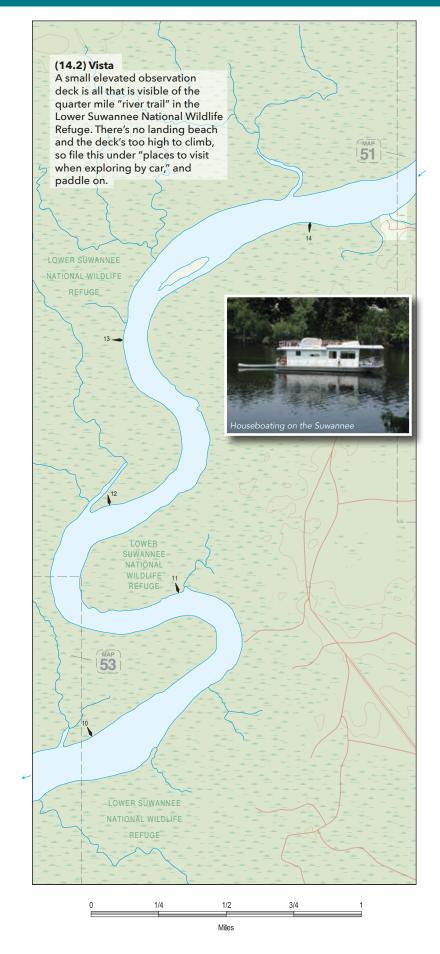


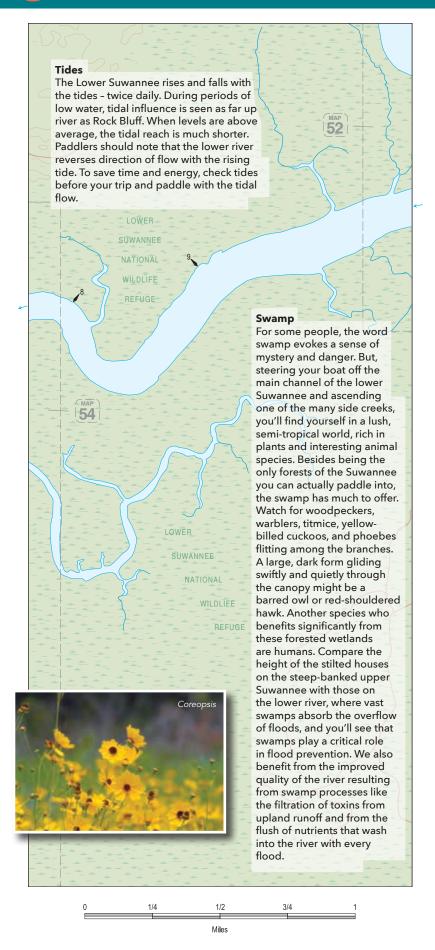


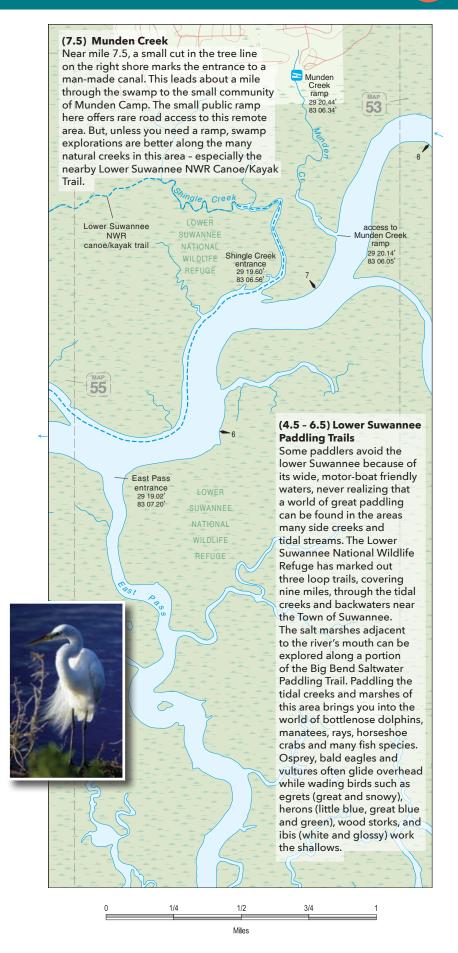


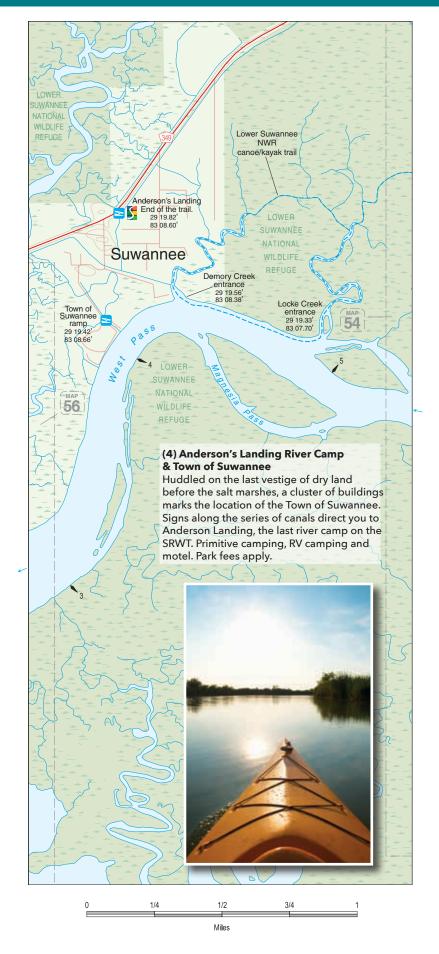












(1 - 3) The River meets the Sea

Rounding the bend at mile four, the tree line ends abruptly and is replaced by a vast expanse of salt marsh. Here, shallow waters along the Gulf coast minimize wave action and allow marsh vegetation to thrive. A sea of saw grass, cattails and rushes, broken only by widely-scattered islands of palm and coastal hardwoods, stretches as far as the eye can see. Be very careful while paddling in this environment. The lack of unique landmarks and the dizzying maze of tidal channels can be very confusing. To make things worse, fluctuating tides can turn a beautiful little creek into waist-deep muck within minutes.

LOWER SUWANNEE NATIONAL WILDLIFE

(0 - 4) Salt marshes

At first glance, the salt marsh environment seems relatively barren. But, of the many natural communities along the Suwannee, few are more diverse and ecologically important. In this estuary, the Suwannee's unique blend of fresh waters tannic tea, alluvial, surface runoff and mineral-rich spring water - mingles with the briny Gulf to create a haven for wildlife. At high tide, periwinkle snails climb to the safety of tall needle rushes while nutrients and small sea creatures are washed into the shallows. As the tide drops, 'herds' of small fiddler crabs emerge from their burrows to feed and breed. Birds such as sandpipers, plovers and other shorebirds return to search for insects, mussels, worms and crustaceans. A few species nest here, including the clapper rail, marsh wren and seaside sparrow. Fish also depend heavily upon these salt marshes, with over 90 species spending part of their lives here. For species like mullet, snapper, drum, flounder and shrimp, these are critical nursery areas for raising young.

> Gulf of Mexico





















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COLUMBIA COUNTY TOURIST DEVELOPMENT COUNCIL

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LEVY COUNTY VISITOR'S BUREAU

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HAMILTON COUNTY TOURIST DEVELOPMENT COUNCIL

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