Pithlachocco Preserve Management Plan

Approved by Alachua County Board of County Commissioners _____

Alachua County
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Management Plan Summary

Date of Plan: March 14, 2023 **Management Area:** 27.14 acres
Location: Southeast Alachua County, at the intersection of State Road 20 and Lakeshore Dr., 5600 SE Hawthorne Road.

Acquisition Date	Parcel Number	Acres	Cost	Funding Source
March 29, 2007	16201-003-000 (Wainberg)	24.51	$175,000	57% Housing and Urban Development Grant/43% Alachua County Forever (ACF) Bond
February 11, 2013	16200-002-001 (Lewis)	1.3057	$14,400	2008 Wild Spaces Public Places Surtax
April 28, 2014	18002-000-000 (Floyd)	1.328	$15,600	2008 Wild Spaces Public Places Surtax

Summary: Pithlachocco Preserve is located at 5600 SE Hawthorne Road, Gainesville, Florida 32641, in the southeast portion of Alachua County along Newnans Lake. The majority of the land's road frontage is along State Road 20 (Hawthorne Rd.), and the northern and southern boundary lines abut private lands. The eastern boundary abuts sovereign submerged lands owned by the State of Florida. Outstanding biotic features of the Preserve include four distinct natural communities, bottomland forest, floodplain swamp, upland hardwood forest, and a disturbed blackwater stream. Most of these are in excellent condition. The most important features of the Preserve are: the connection to the cypress dominated swamp surrounding Newnans Lake; its contribution and proximity to important wading bird habitat; the connection to surrounding conservation lands; and the area's abundance of significant Native American cultural history and artifacts.

The Preserve was acquired to improve and manage environmentally significant lands, and to protect water resources, wildlife habitats and natural areas suitable for resource-based recreation.

Key Management Objectives:

1. Maintain or enhance existing natural communities where feasible and appropriate.
2. Inventory natural features of the site, including flora, fauna, and natural communities.
3. Protect populations of significant and listed plant and animal species.
4. Protect water resource values from adverse impacts and enhance values where feasible and appropriate.
5. Effectively and responsibly manage cultural resources.

Resource Management Issues:

- SOLID WASTE REMOVAL – Conduct volunteer events to remove any remaining legacy trash dispersed throughout the property.
- INVASIVE PLANTS – Control or eradicate invasive, non-native plant species.

- FERAL ANIMAL REMOVAL – Monitor and arrange for removal of feral animals as needed.
- CULTURAL RESOURCES – Protect site from disturbance, and coordinate with Florida Department of State, Division of Historic Resources regarding identification and protection of cultural sites.
- MONITORING – Monitor property through field inspections and photo points to determine relative success of management strategies.

Site Development and Maintenance

- PHYSICAL IMPROVEMENTS – Security fence, gates, and parking area.
- MAINTENANCE - Maintain all improvements.
- SECURITY - Perform regular security patrols, install informational and regulatory signage.

I. INTRODUCTION

Pithlachocco Preserve is owned and managed by Alachua County as part of the Alachua County Forever (ACF) land acquisition and management program. This management plan was developed to ensure that the Preserve will be managed and developed in accordance with the goals of the ACF program.

The Alachua County Forever Program was approved by Alachua County voters in November of 2000, to acquire, improve and manage environmentally significant lands in Alachua County, to protect water resources, wildlife habitats and natural areas suitable for resource-based recreation.

LOCATION

The 27.14-acre Pithlachocco Preserve is located in the southeastern portion of Alachua County along Newnans Lake (Exhibit A). Pithlachocco Preserve is located southeast of the intersection of State Road 20 (Hawthorne Rd.) and Lake Shore Drive (County Road 329B). The E911 address is 5600 SE Hawthorne Road. The property is in Section 13, Township 10 South, Range 20 East, and is immediately west of Newnans Lake. Less than 1,000 feet to the south is Alachua County's Earl P. Powers Park. In addition, Paynes Prairie Preserve State Park and Gainesville-Hawthorne State Trail are located to the west across State Road 20.

ACQUISITION HISTORY

Alachua County acquired Pithlachocco Preserve as three fee simple purchases. The first parcel (24.51 acres) was acquired on March 29th, 2007, for $175,000 from Salomon Wainberg. The second parcel (1.31 acres) was acquired on February 11th, 2013, for $14,400 from David Lewis. The third parcel (1.328 acres) was acquired on April 28th, 2014, for $15,600 from Genevieve and Howard Floyd. Appendix A contains a copy of the Deeds for the Pithlachocco Preserve.

The property was acquired with the assistance of several financial sources. Acquisition of the Wainberg property was funded through the Alachua County Forever bond combined with a $99,750 grant from the U.S. Department of Housing and Urban Development. The two additional acquisitions (Lewis and Floyd) were funded through the 2008 Wild Spaces Public Places surtax.

NATURAL RESOURCES SUMMARY

Pithlachocco Preserve contains four natural communities one of which is a disturbed community as characterized by the Florida Natural Areas Inventory (FNAI). The natural communities in the Preserve include floodplain swamp, upland hardwood forest, bottomland forest and a disturbed blackwater stream. The soil types, topographic changes and associated water levels that occur across the site provide the setting for these varied natural communities. All of the natural communities on site have a dense tree canopy shading the forest floor. The lowest elevation on the property is a floodplain swamp associated with Newnans Lake. With a slight increase in topography, the forest becomes a bottomland forest, and eventually an upland hardwood forest along SR 20, which is characterized by a well-developed, dense canopy of upland hardwoods mixed with sparse pines. The disturbed community is a portion of the blackwater stream that has been excavated into a ditch. The ditching extends into the property from where the stream flows from the State Road 20 culverts, but the stream becomes less disturbed as it flows east into the property, eventually flowing into the sovereign submerged lands between the eastern boundary of the preserve and Newnans Lake. An additional disturbed area exists where there was an old structure and concrete slab.

The Pithlachocco Preserve is part of an area considered important for its contribution to the region's wading bird habitat. The Preserve contains habitats deemed potentially significant for eighteen animal species modeled by the Florida Fish and Wildlife Conservation Commission (FWC), including the Great egret (*Ardea alba*), Wood stork (*Mycteria americana*), and Eastern Indigo Snake (*Drymarcho corais couperi*). The site has eight bald eagle nests within a two-mile radius and twenty bald eagle nests within a five-mile radius (FWC 2021 Registry: GIS). Also, Royal fern (*Osmunda regalis*) a commercially exploited plant, and an imperiled species of milkvine (*Matelea* spp.) occur on the property.

PREVIOUS USES

Several time periods of human activities have left their mark on the Preserve site and surrounding area. Wheeler et al. (2003) state in their paper, "forty-four archeological sites are recorded in the vicinity of Newnans Lake, primarily on the southwestern side of the lake." In addition, since the property is located on the southwestern side of Newnans Lake within the "Lake Pithlachocco Canoe Site," and the Preserve contains recent illegal artifact looting sites, it is quite apparent that Native Americans were utilizing the area around Newnans Lake and the Preserve site specifically.

Even though historical aerial photos dating back to 1938 show that a majority of the property has remained forested, the site would have hosted an array of post-settlement human activities. Several on-the-ground indicators signify potential historic site uses/disturbances. These indicators include: a steep soil grade change along portions of SR 20, an historic water well, and historic buried trash on site. The steep grade change that parallels SR 20 may be a sign of two distinct soil additions to raise the road grade to limit flooding of the road. The historic buried trash of old glass bottles & metal cans suggests there could have been a home site in the northwestern portion of the property. The historic water well located on the southern section of the property could point toward past agricultural use of the area. Between 1974 and 1979, the excavation (ditching) of the portion of the creek closest to SR 20 was completed. Currently, the Florida Department of Transportation maintains this ditch by periodic mowing. Aerial photographs taken in 1937, 1949, 1964, 1971, 1982, 1994, 1999, and 2007 indicate the property was essentially undeveloped land until approximately 1964. Based on a review of aerial photography from 1937 until at least 1949, a road was located along the east side of the property. Between 1937 and 1949, the central portion of the property was cleared, and between 1949 and 1964, a structure was built in the cleared area. Between 1964 and 1971, a second area of land was cleared, and an additional structure appears to have been constructed. Based on the location, this second structure was most likely a garage. From 1971 until the present day, vegetation has become re-established in the cleared area. The metal garage was the remnants of an auto repair shop, which may possibly have been used later for pallet refurbishment. The property was most likely used as a "spillover" site at some point in time for a junkyard located across SE Hawthorne Road; it is uncertain however, as to what degree it was utilized in that capacity. Additionally, the Lewis parcel (tax parcel 16200-002-001) had an old wood and sheet metal building on a concrete pad that was used as an automotive repair facility in the mid-20th century. All structures associated with the automotive repair facility have been subsequently removed.

RECREATION

Access to Pithlachocco Preserve is by appointment only. In its current configuration, the preserve is too small to support nature-based recreation without negative impacts to the sensitive resources onsite. If more acreage is added, passive recreational uses such as hiking may be

developed on the property. A CPA tax parcel number 18001-000-000 (which is considered sovereign submerged lands and lies to the immediate east of the Preserve) provides a potential future connection to Newnans Lake and Powers Park.

II. PURPOSE

The Preserve was acquired to improve and manage environmentally significant lands, to protect water resources, wildlife habitats and natural areas suitable for resource-based recreation. At present, the Pithlachocco Preserve will be managed only for the conservation, protection, and enhancement of natural and cultural resources with limited access, but the option for public outdoor recreation compatible with conservation, protection, and enhancement of the site will be considered as needed or as demand arises in the future.

Management goals are aimed at maintaining or improving the condition of natural communities on the site. Natural communities that are in good to excellent condition will be maintained. Those that are in less than good condition will be improved using management activities including, but not limited to, invasive exotic plant removal, re-vegetation, and feral animal removal.

PRIORITIZED MANAGEMENT OBJECTIVES

- Maintain and enhance existing natural communities where feasible and appropriate.
    - Remove remaining legacy solid waste.
    - Pursue restoration of degraded natural communities.
    - Manage altered communities such that future restoration potential is enhanced or not degraded.
    - Remove invasive exotic plants.
- Inventory natural features of the site, including flora, fauna, and natural communities.
- Monitor and document effects of management activities.
    - Ensure that management activities do not harm listed species.
- Effectively and responsibly protect and monitor cultural resources.
- Protect and/or enhance water and soil resource values.

LAND USE AND ZONING

Alachua County will change the Future Land Use designation to Preservation in the next cycle of comprehensive plan amendments. Once the future land use change is complete, staff will initiate the procedure to change the zoning from Business Automotive and Agricultural to Preservation as well.

SPECIAL DESIGNATION

The project site is located within a Low-Income Community as defined by Rule 9K-7.002(20), F.A.C, a urban redevelopment area known as the Plan East Gainesville Study Area and is within the Orange Creek Basin Surface Water Management Plan. In addition, the majority of the wetlands are part of the Outstanding Florida Waters of Newnans Lake. Pithlachocco Preserve will be added to the Registry of Protected Public Places upon completion of this management plan.

POTENTIAL CONFLICTS

- The use of neighboring properties: An adjacent surrounding upland parcel (ACPA TPN 16202-000-000) could be developed. In addition, if any of the adjacent neighbors logged their cypress swamp that surrounds the preserve, it would negatively impact the site's functional habitat connectivity and wildlife diversity.

III. NATURAL AND CULTURAL RESOURCES

TOPOGRAPHY

Pithlachocco Preserve is located in a topographical region of the state known as the Central Lowlands (SJRWMD 2008). Onsite elevations range from approximately 64 feet to 90 feet. Lowest elevations occur adjacent to the cypress swamp towards Newnans Lake, and highest elevations occur near the intersection of County Road 20 and Lake Shore Drive.

Human alteration of the natural topography is strongly suspected on the western edge of the Preserve along State Road 20 south of the blackwater stream. It seems as though soil was taken from the western side of the road and deposited on the eastern side, along the Preserve boundary in order to level out the soil for the original and subsequent road construction projects. Also, historic aerial photographs indicate the road was a divided road in that area and would have taken up more of a width than it currently requires. This helps explain why the road shoulder is so wide on the eastern side of this road segment, and why the fill extends into the Preserve.

SOILS

Five soil types recognized by the Natural Resources Conservation Service are present within the Pithlachocco Preserve (Exhibit D, Thomas et al. 1985). The soils are typically sandy in the upper horizons and range from moderately well drained to very poorly drained. Approximately 15 acres situated above the ordinary high water (OHW) level are moderately well drained soils, and the remaining area, approximately 12 acres situated below the OHW level, is poorly drained to very poorly drained soils.

Historic aerial photographs show that most of the site has remained forested since 1938, and only the excavation of the ditch, between 1974 and 1979, may have altered the hydrology of the property. In the mid 1990's, however, a small area in the east central portion of the property was cleared.

In addition, other than small deposits of phosphatic limestone in the Millhopper soil, there are no other known mineral resources on site.

There is very little to no evidence of erosion problems on site. Land stewards will follow generally accepted best management practices to prevent soil erosion and conserve soil and water resources on site. The ditch will be monitored during high water periods to ensure that sediment loading does not negatively affect the natural resources. In addition, wetlands and periodically saturated soils on the property may limit recreational or other development.

The soil types found within Pithlachocco Preserve are briefly described below:

Millhopper sand, 0 to 5 percent slopes

This nearly-level to gently sloping, moderately well drained soil is in areas of uplands and on slightly rolling knolls in the broad flatwoods. The soils have rapidly permeable sandy surface and subsurface layers. The subsoil has moderately rapid permeability in the upper loamy sand

layer, and moderately slow permeability in the mid subsoil sandy clay loam and lower subsoil sandy loam layers. The water table is at a depth of 40 to 60 inches for 1 to 4 months most years, and at a depth of 60 to 72 inches for 2 to 4 months. This soil type is found along the entire western boundary of the Preserve and is the most abundant soil type on the site.

Monteocha loamy sand

This nearly-level, very poorly drained soil is in wet ponds and shallow depressional areas in the flatwoods. This sandy or sandy loamy soil has a water table that is within 10 inches of the surface for more than 6 months during most years. Most areas are covered with water for more than 4 months. Available water capacity is high to very high in the surface layer and medium in the subsurface layer and subsoil. Natural fertility is medium in the surface layer and low in the subsurface layer and subsoil. Organic matter content is high to very high in the surface layer. On the Preserve these soils are found on the eastern boundary.

Plummer fine sand

This nearly-level, poorly drained soil is sandy in the upper horizons with sandy loam and sandy clay loam in the subsoil. This Plummer soil has a water table that is at a depth of less than 10 inches for 1 to 3 months and is at a depth of 10 to 40 inches for about 3 to 4 months during most years. It recedes to a depth of more than 40 inches during drier seasons. The available water capacity is medium to high in the surface and subsurface layers and low to medium in the subsoil. Natural fertility is low and organic matter content is moderately low. The Pithlachocco Preserve contains only a small amount of Plummer fine sands, located on the northern boundary of the Preserve.

Pomona sand

This nearly-level poorly drained sandy soil has a water table that is less than 10 inches from the surface for 2 to 6 months during most years. Surface runoff is slow and the available water capacity is very low. Permeability is very rapid. The natural fertility is low, and the organic matter content of the surface layer is moderately low to moderate.

Tavares sand, 0 to 5 percent slopes

This is a nearly-level to gently sloping, moderately well drained deep and sandy soil. It is on slightly convex slopes in broad areas of the flatwoods and along gentle slopes of the rolling uplands. The areas are irregular in shape and range from about 10 to 125 acres. The water table is at a depth of 40 to 72 inches for a cumulative period of 6 months or more during most years. It recedes to more than 72 inches below the surface during droughty periods. This soil type is limited to the extreme southern portion of the Preserve.

HYDROGEOLOGY

Newnans Lake is a broad shallow eutrophic lake with an area of approximately 7,354 acres (Wheeler 2003). It is one of six sub-basins within the 600 square mile Orange Creek drainage basin, located in the Ocklawaha River System of North Florida (SJRWMD 1995). This drainage basin, located in portions of Alachua, Clay, and Marion counties, is at the northern end of an extensive lake district that extends over 125 square miles through the Florida peninsula (Brenner et al. 1990:366). Newnans Lake is one of the largest surface-water features in the Orange Creek drainage basin (Gottgens and Montague 1987:4, 7). Median lake elevations are

66.4 feet above mean sea level. (SJRWMD 1995). Lake levels have an annual fluctuation of 2 to 3 feet with low lake levels occurring on average every 5 to 7 years. These fluctuations help shape the vegetation communities found on the Preserve. The size of the lake varies from 4,730 acres to 8,087 acres with drought and heavy rainfall respectively, with a median size of 6,399 acres (SJRWMD 2008). Newnans Lake has a maximum depth of approximately 13 feet, but on average, lake depth is approximately 5 feet (Ryan 2003).

Hatchet Creek, Little Hatchet Creek, and Lake Forest Creek contribute the majority of the inflow into Newnans Lake from the north and east respectively. Prairie Creek, on the southern rim, is the lake's only surface water outflow. The Preserve is slightly less than a mile northwest of Prairie Creek. Prairie Creek's water naturally flows into the Alachua Sink in Paynes Prairie, but now half of the creek's flow is diverted through Camp's Canal into Orange Lake.

NATURAL COMMUNITIES

There are four natural communities within Pithlachocco Preserve, as classified by the Florida Natural Areas Inventory (FNAI) one of which is a disturbed community (Exhibit E, Table 1). The natural communities include floodplain swamp, upland hardwood forest, bottomland forest, and a disturbed blackwater stream. These communities will be preserved and managed to ensure their long-term viability. The disturbed blackwater stream to ditch community will be monitored to ensure that potential negative impacts to natural resources do not increase. In addition, as the property management progresses, the delineation and classification of the natural communities may be further refined.

Pithlachocco Preserve boundary does not extend to Newnans Lake, but it contains a portion of the Newnans Lake watershed and is connected to the lake by a continuous swamp of cypress, tupelo and maple through the adjacent property to the east. The floodplain swamp and varying upland communities are considered to have qualities that range from very good to excellent. All the communities are dominated by mature and relatively healthy trees, some supporting large diameters. The sub-canopy and shrub stratum appear to be growing at acceptable densities and will require little to no management. These maturing ecosystems are further protecting the functions and values of Newnans Lake, which is important hydrologically, as well as being a popular fishing and recreation destination.

Floodplain Swamp –

The floodplain swamp community covers approximately 11.4 acres of the Preserve. This community contains poorly drained to very poorly drained soils that are seasonally saturated and is considered a very good wetland community (KBN 1996). The community is dominated by buttressed hydrophytic trees and contains a very sparse ground cover and sub-canopy. The dominant canopy species include Bald cypress (*Taxodium distichum*), Swamp tupelo (*Nyssa sylvatica* var. *biflora*), Pop ash (*Fraxinus caroliniana*), Red maple (*Acer rubrum*), and Sweetgum (*Liquidambar styraciflua*). The ground cover and sub-canopy species include Buttonbush (*Cephalanthus occidentalis*), Fetterbush (*Lyonia lucida*), Wax myrtle (*Myrica cerifera*), Sphagnum moss (*Spahagnum* spp.), St. John's wort (*Hypericum* spp.), Virginia chainfern (*Woodwarida virginica*), Royal fern (*Osmunda regalis*), Cinnamon fern (*Osmunda cinnamomea*), Manyflower marsh pennywort (*Hydrocotyle umbellate*), Netted chainfern (*Woodwardia areolata*), Royal fern (*Osmunda regalis*), Elderberry (*Sambucus canadensis*), Lizards tail (*Saururus cernuus*), Soft rush (*Juncus effusus*), and various aquatic vegetation in areas where water stays for prolonged periods of time.

There is nominal evidence of past fire damage and logging in the swamp, however, the site's floodplain forest remains in extraordinary condition. The few patches of young Chinese tallow-trees will be removed and monitoring for new exotic species will continue.

Bottomland Forest –

The bottomland Forest covers approximately 2.9 acres of the Preserve, predominately occurring as a nearly level or sloping fringe between the floodplain swamp and upland hardwood forest. This community contains moderately well-drained to poorly drained soils and occurs where differing soil types converge. The soils are a mixture of hydric and upland soils but are generally dry underfoot except during major flood events. This bottomland forest is considered to be in a very excellent condition (KBN 1996).

This community contains a mixture of semi-open to closed canopy overstory, with moderately dense to dense ground cover and sub-canopy, depending on site location. The dominant canopy species includes Swamp tupelo, Red maple, Bald cypress, Sweetgum, scattered Cabbage palm, Loblolly pine, Sweetbay (*Magnolia virginiana*), Water oak (*Quercus nigra*), and Laurel oak (*Quercus laurifolia*). The ground cover or sub-canopy is Dwarf palmetto (*Sabal minor*), Saw palmetto (*Serenoa repens*), Fetterbush (*Lyonia lucida*), Wax myrtle, Sphagnum moss (*Sphagnum* spp.), Cinnamon fern, Jumpseed (*Polygonum virginianum*), Netted chainfern, Blackberry (*Rubus* spp.), Gallberry (*Ilex glabra*), Greenbriar (*Smilax* spp.), Dogfennel (*Eupatorium* spp.), and Highbush blueberry (*Vaccinium corymbosum*). Herbaceous layers occur as fringes and patches throughout the community and contains species such as Indian woodoats (*Chasmanthium laxum*), Maidencane (*Panicum hemitomon*), Low panic grass (*Dichanthelium* spp.), Basket grass (*Oplismenus hirtellus)*, Broomsedge (*Andropogon* spp.), Soft rush, and various sedges (*Carex* spp.).

The main land management objective in this community that will enhance its functions and values is the removal and control of exotic invasive plants and animals.

Upland Hardwood Forest –

The upland hardwood forest covers approximately 12.7 acres of the preserve. The community is a nearly-level or gently sloping upland community. This community contains moderately well drained soils and is in excellent condition (KBN 1996). The majority of the community contains a closed canopy with moderately dense to dense ground cover and sub-canopy. The dominant canopy species include Live oak (*Quercus virginiana*), Carolina laurel cherry (*Prunus caroliniana*), Black cherry (*Prunus serotina*), Red maple, Sweetgum, Cabbage palm), American hornbean (*Carpinus caroliniana*), American hophornbeam (*Ostrya virginiana*), Persimmon (*Diospyros virginiana*), Southern magnolia (*Magnolia grandiflora*), Bluff oak (*Quercus austrina*), Pignut hickory (*Carya glabra*), Water oak, Laurel oak, Basswood (*Tilia americana*), and sparse Slash pine (*Pinus elliottii*) and Loblolly pine. The ground cover or sub-canopy consists of Gallberry, Parsley hawthorne (*Crataegus marshallii*), Sparkleberry (*Vaccinium arboretum*), Grape vine (*Vitis rotundifolia*), Winged sumac (*Rhus copallina*), Southern red cedar (*Juniperus silicicola*), St. John's wort, American beautyberry (*Callicarpa americana*), Blackberry, Saw palmetto, Greenbriar, Dogfennel, Bracken fern (*Pteridium aquilinum*), Dwarf blueberry (*Vaccinium myrsinites*), Huckleberry (*Gaylussacia* frondosa), and Basket grass.

There are two dense areas in this vegetation community infested with air potato (*Dioscorea bulbifera*) and other exotics. These exotics will be removed and controlled.

Blackwater Stream –

The origin of this unnamed blackwater stream is from a small chain of wetlands within Paynes Prairie Preserve State Park. The overall stream quality is considered to be good. Water flow from the creek varies considerably based on rainfall levels. The creek bed size ranges from five to nine feet in width and one to two feet in depth. This undisturbed segment of the stream flows though half the property and empties into the floodplain swamp on the Preserve. The stream is shaded with contiguous tree canopy that provides excellent habitat for wildlife seeking cool flowing water.

Ditch (disturbed community)

A small segment of the blackwater stream closest to State Road 20 has been channelized. The channelized portion of the stream, located on the western side of the property, runs along State Road 20 and then it abruptly transitions into the undisturbed blackwater stream. The ditch runs approximately halfway across the property from State Road 20 toward Newnans Lake. Since the ditched portion has no tree canopy shading the surface water and earthen banks, herbaceous and grass species grow prolifically in the full sun. The ditch and surrounding land is mowed, maintained and managed by the Florida Department of Transportation, but Alachua County Forever will monitor the effects of the ditch maintenance on the adjacent natural communities.

Table 1. A summary of natural communities, acreages, condition, and community rarity within the Pithlachocco Preserve. Classification follows FNAI except where noted.

Pithlachocco Preserve – FNAI Natural Communities				
Name	**Acres**	**% Area**	**Quality**	**FNAI Ranking**
Floodplain Swamp	11.4	42.1	Extraordinary	S4
Upland Hardwood Forest	12.7	46.8	Excellent-Good	S3
Bottomland Forest	2.9	10.7	Excellent	S3
Blackwater Stream	<1	<1	Good	S3
Other Ditch	N/A	N/A	N/A	N/A

INVASIVE EXOTIC PLANTS

Eighteen plants listed as Florida Invasive Species Council (FISC) Category I and II species are currently known to occur on the Pithlachocco Preserve (Table 2, the Florida Invasive Species Council's 2019 List of Invasive Species). Two of these species occur in great densities on the Preserve. They have likely become established because of historic home site remnant plantings, neighboring property introductions and wind and animal dispersion.

Invasive exotic plants are known to alter native plant communities by displacing native species, changing community structure or ecological functions. An ongoing monitoring and control program for invasive vegetation including exotic (non-native) and nuisance native plant species shall be implemented at the project site. The objective of this program is to eliminate invasive exotic plant species and to maintain a diverse association of native vegetation. This will be accomplished through an integrated pest management program that includes a combination of

physical removal, chemical control, biocontrol as applicable, and public education. Control techniques for invasive exotic plants will follow accepted control technologies, and sites will be monitored on a biannual or more frequent interval to track populations for control operations.

Because of topography and slopes on the Pithlachocco Preserve, potential soil erosion will be considered when planning exotic plant control activities. In most areas treated for invasive plants, native plants are expected to re-establish naturally.

The exotic infestations at Pithlachocco Preserve consist of a variety of species at low to medium densities. All are manageable if action is taken before they gain a strong foothold. The three largest populations are Air potato, Skunkvine (*Paederia foetida*), and Winged yam (*Dioscorea alata)*. Staff have treated these three species and will follow up with treatment and monitor biannually. A preserve-wide treatment was conducted in the fall of 2019 by a private contractor, which appears to have significantly reduced or eliminated the denser species. Staff have monitored the treatment areas and to date have found no reoccurrence. Only a few individuals or small populations of Chinese tallow-tree (*Triadica sebifera*), were observed on the property. These species will be treated and monitored annually.

Invasive Plant Strategies

- Survey invasive exotic plants.
- Treat invasive plant infestations using appropriate techniques.
- Monitor treated sites and institute a follow-up treatment program.
- Develop exotic species database for property.

Table 2. Invasive exotics occurring at Pithlachocco Preserve.

Pithlachocco Preserve – Non-native, Invasive Plants			
Common Name	**Latin Name**	**FISC Category**	**Abundance and Frequency Observed**
Air Potato	*Dioscorea bulbifera*	I	scattered throughout
Asparagus fern	*Asparagus aethiopicus*	I	Several large clumps
Camphor Tree	*Cinnamomum camphora*	I	Several small individuals
Ceasar's Weed	*Urena lobata*	I	One individual
Chinese tallow-tree	*Triadica sebifera*	I	<1%, a couple scattered populations
Chinese Wisteria	*Wisteria sinensis*	II	Medium populations
Coral Ardisia	*Ardisia crenata*	I	Scattered throughout
Glossy Privet	*Ligustrum lucidum*	I	One large tree
Lantana	*Lantana strigocamara*	I	Several clumps
Nandina	*Nandina domestica*	I	One clump of trees
Rose Glory Bower	*Clerodendrum bungei*	NA	Medium populations
Skunk vine	*Paederia foetida*	I	Scattered throughout
Torpedo grass	*Panicum repens*	I	Several small, isolated individuals
Small-leaf spiderwort	*Tradescantia fluminensis*	I	Several small, isolated individuals

Trifoliate Orange	*Poncirus trifoliata*	NA	Small populations, > 1acre
Tropical soda apple	*Solanum viarum*	I	Several small, isolated individuals
Wedelia	*Sphagneticola trilobata*	II	One relatively small clump
Winged yam	*Dioscorea alata*	I	Scattered throughout with some clumping

Feral Animals

No signs of feral animal activity on the property have been observed. Therefore, no feral animal program is necessary at this time. If feral animal populations are found on the property in the future, staff will initiate a removal program.

LISTED SPECIES PROTECTION

Listed Plant Species

Thus far, two State Endangered, one State Threatened and four Commercially Exploited plants are known to exist within Pithlachocco Preserve (Table 3). All these plants are found in the undisturbed hammock and wetland portions of the Preserve. Further inventory of the preserve is likely to reveal additional listed species. FNAI has identified portions of the site as Priority 1 or Priority 2 Potential Habitat for Rare Species. Plant species identified by FNAI as possibly occurring on or near the Preserve include pond spice (*Listea aestivalis*), incised groove-bur (*Agrimonia incisa*), variable-leaved Indian-plantain (*Arnoglossum diversifolium*), Wagner's spleenwort (Asplenium heteroresiliens, Curtiss' spleenwort (*Asplenium curtissii*), ruffled spleenwort (*Asplenium plenum*), many-flowered grass-pink (*Calopogon multiflorus*), celestial lily (*Nemastylis nuttallii*), pinewood dainties (*Phyllanthus liebmannianus*), giant orchid (*Grammatophyllum speciosum*), Florida mountain-mint (*Pycnanthemum floridanum*), silver buckthorn (*Sideroxylon alachuense*), pinkroot (*Spigelia marilandica*) and variable-leaf crownbeard (*Verbesina encelioides*).

Protecting populations of listed species is a primary concern. To accomplish this, the County will continue to survey Pithlachocco Preserve for listed species and manage the natural communities appropriately. Observations of FNAI tracked species will be reported to FNAI using the Field Reporting form. Management activities to protect listed species will include invasive species control and minimizing human impacts. Activities will be analyzed to determine potential impacts on listed species (i.e., location of trails and physical improvements.)

Table 3. Listed plant species at Pithlachocco Preserve

Listed Plant Species - Pithlachocco Preserve		
Common Name	**Latin Name**	**Listed Status**
Blueflower butterwort	*Pinguicula caerulea*	Threatened
Carolina allspice	*Calycanthus floridus*	Endangered
Cinnamon Fern	*Osmunda cinnamomea*	Commercially exploited (FL)
Florida spiny pod	*Matelea floridana*	Endangered (FL)
Godfrey's privet	*Forestiera godfreyi*	Endangered (FL)

Greenfly Orchid	*Epidendrum conopseum*	Commercially exploited (FL)
Royal fern	*Osmunda regalis*	Commercially exploited (FL)
Saw Palmetto	*Serenoa repens*	Commercially exploited (FL)
Treat's rainlily	*Zephyranthes atamasca var. treatiae*	Threatened (FL)

Listed Animal Species

There are nineteen listed animal species that potentially utilize the habitats within Pithlachocco Preserve, including the Great egret, Wood stork, and Eastern Indigo Snake (Table 4). Other listed species may utilize the Preserve's habitats, as indicated by the property's location within a Strategic Habitat Conservation Area for wading birds and its proximity to Paynes Prairie Preserve State Park and Newnans Lake. Models by the Florida Fish and Wildlife Conservation Commission show that Pithlachocco Preserve contains habitat recognized as typically suitable for nine listed animal species (Table 4, Cox et al. 1994, Cox and Kautz 2000).

All of the natural communities of the Preserve could support listed species. For example, the entire preserve is important habitat for wading bird species, and a majority of the preserve contains habitat suitable for black bears and American alligators. Also, the matrix of wetland-upland transitional areas provides excellent habitat for a variety of species.

The Preserve shall be managed in a manner that protects and enhances habitat for listed wildlife species that utilize or potentially utilize the project site. The development of the management plan shall be coordinated with the Florida Fish and Wildlife Conservation Commission to ensure the preservation and viability of listed and non-listed native wildlife species and their habitat. Periodic surveys shall be conducted of listed species using the project site.

Table 4. Imperiled species observed on the site and species that are likely to utilize the site based on Florida Fish and Wildlife Conservation Commission modeled potential habitat and FNAI Potential Habitat for Rare Species.

Imperiled Animal Species – Pithlachocco Preserve					
Common Name	**Scientific Name**	**Endemic/ Large home range**	**Fed/ State Status**	**FCREPA/ FNAI Designation**	**Observed**
Birds					
Black-crowned night heron	*Nycticorax nycticorax*	- / L	-/-	G5/S3	O, K, F, SM
Limpkin	*Aramus guarauna*	- / L	-/-	G5/S3	O, SM
Little blue heron	*Egretta caerulea*	- / L	-/ST	G5/S4	O, K, F, SM
Osprey	*Pandion haliaetus*	- / L	-/-	G5/S3, S4	O, SM
Snowy egret	*Egretta thula*	- / L	-/-	G5/S3	O, SM
Swallow-tailed kite	*Elanoides forficatus*	- / L	-/-	G5/S2	SM
Tri-colored heron	*Egretta tricolor*	- / L	-/SSC	G5/S4	F, SM
Wood stork	*Mycteria americana*	- / L	DL/FT	G4/S2	O, SM
Reptiles					
American Alligator	*Alligator mississippiensis*	-/-	SAT/FT (S/A)	G5/S4	O, K
Eastern Indigo Snake	*Drymarcho corais couperi*	-/-	T/FT	G3/S2	K, F, SM
Spotted turtle	*Clemmys guttata*	-/-	UR/-	G5/S2, S3	
Mammals					
Florida black bear	*Ursus americanus floridanus*	X/L	-/-	G5/T4, S4	SM

Round-tailed Muskrat	*Neofiber alleni nigrescens*	X/-	-/-	G2/S2	F, SM

FCREPA = Florida Committee on Rare and Endangered Plants and Animals, **X** = Endemic, **L** = Large Home Range designation in the Florida Fish & Wildlife Conservation Commission in the Closing the Gap study (1994, pg. 19), **E** = Endangered, **T** = Threatened, **FT(S/A)** = Federal Threatened due to similarity of appearance**, T4** = Secure globally but may be rare in parts of range, **FT** = Federally Threatened, **ST** = State threatened, **SSC** = Species of Special Concern, **SU** = Status Unknown, **R** = Rare, **O** = observed by Alachua Co. staff and/or an LCB subcommittee member and/or the hunter licensee, **K** = documented through KBN Study, **F** = documented by the Florida Fish & Wildlife Conservation Commission in the Closing the Gap study or documented on site or high potential for occurrence on site via personal communication with either Paul Moler or Steven Nesbitt, **SM** = documented as potential habitat by the Fish and Wildlife Conservation Commission's Species Models (2002), **G2** = Imperiled globally because of rarity (6 to 20 occurrences or less than 3000 individuals) or because of vulnerability to extinction due to some natural or man-made factor, **G3** = Either very rare and local throughout its range (21-100 occurrences or less than 10,000 individuals) or found locally in a restricted range or vulnerable to extinction from other factors, **G4** = Apparently secure globally (may be rare in parts of range), **G5** = Demonstrably secure globally, **S2** = Imperiled in Florida because of rarity (6 to 20 occurrences or less than 3000 individuals) or because of vulnerability to extinction due to some natural or man-made factor, **S3** = Either very rare and local in Florida (21-100 occurrences or less than 10,000 individuals) or found locally in a restricted range or vulnerable to extinction from other factors, **S4** = Apparently secure in Florida (may be rare in parts of range), **SAT** = Treated as threatened due to similarity of appearance to a species which is federally listed such that enforcement personnel have difficulty in attempting to differentiate between the listed and unlisted species, **DL** = Delisted, **UR** = Species is currently under review for listing.

Imperiled Animal Species Strategies

- Report listed and tracked species occurrence data to FNAI using the appropriate Field Reporting Form.
- Continue to survey Pithlachocco Preserve for listed species and document population locations and habitats.

INVENTORY OF NATURAL COMMUNITIES AND BIOTA

The flora, fauna and natural communities will be surveyed and qualitatively described. All major management and restoration activities will be monitored on an annual basis or as needed using strategically placed photopoints. The locations and data will be linked to a Geographic Information System (GIS) where changes will be documented. Baseline photos will be taken prior to initiating any management activities.

Inventory Strategies

- Survey flora, fauna and natural communities.
- Develop GIS database for tracking monitoring activities.
- Establish photopoints and monitor annually or as needed.
- Encourage surveys by volunteer plant and wildlife experts through educational/volunteer events.

RESTORATION

No large-scale restoration events are planned for Pithlachocco Preserve, except for the eradication of invasive exotic plants, the removal of legacy solid waste and the potential future restoration of the ditch serving a drainage function around State Road 20. The natural communities are in good to excellent condition and require no restoration. In areas that are subject to exotic plant removal, Alachua County Forever will monitor the site for expected natural recruitment. If natural recruitment of native species is insufficient, supplemental plantings of appropriate native species will be conducted.

PRESCRIBED FIRE

Due to the hardwood dominated types of natural communities within the Preserve, prescribed fire is not a viable forest management/restoration tool.

CULTURAL RESOURCES

The name of the Pithlachocco Preserve comes from the rich and important history of the early peoples known to occupy this area. On early maps, Newnans Lake was called Pithlachocco (Pithlo = canoe, Chuko = house), but it was renamed Newnans Lake after Daniel Newnan of Georgia. The Gainesville Sun printed an article which rated Newnan's battle of September 27, 1812, as one of the most important of the early days of "colonization." Newnan's men, the article continued, showed courage seldom equaled against heavy odds. As always with such stories, nothing was said about the courage of the Native Americans or the justice of their cause (Mahon 1995).

At the time of European contact, a subset of the Timucua Native Americans called the Potano inhabited a section of North Central Florida including what is now Alachua County. The Pithlachocco Preserve is located in a culturally important Potano region, known for its density of archeological sites and the periods represented. As noted earlier, of the forty-four sites recorded in the vicinity of Newnans Lake, thirteen of the Archaic sites are on the southwestern end of the lake. Informants report finding Archaic period artifacts on a sandy berm within the cypress swamp that rings the lake's northeastern margin. Recent testing on this berm identified extensive lithic sites dating from the Early through Late Archaic. Many of these are directly on the lakeshore, though others are located on upland areas near smaller ponds and marshes (Wheeler 2003). In addition, the Native American peoples' trail called "The Alachua Trail" that extended from the Altamaha River in Georgia to Micanopy/Lake Tuscawilla would have been a conduit for Native Americans passing in close proximity to Pithlachocco Preserve, since it was established on the eastern edge of Newnans Lake (Vanderhill 1977). Nearby Paynes Prairie Preserve State Park contains 85 listed cultural sites that span all known prehistoric cultural periods, as well as several historic period sites (FDEP 2002). Three archeological sites listed with the Florida Master Site file are located on Pithlachocco Preserve, AL04792, AL00228 and AL00088. The majority of the property falls within the Lake Pithlachocco Canoe Site (AL04792). This site, revealed by receding water levels during a drought period in the early 2000s, is one of the most significant archaeological sites in the County, containing over 100 dugout canoes dating from 1250 – 1600 AD. (Wheeler et al. 2003) In addition, it is listed on the National Register of Historical Places (Site No. 01000303).

As of yet, Pithlachocco Preserve has not been subject to an on-site comprehensive cultural resource survey, but in 1988, Mr. W.D. Browing and M.G. Wiedenfeld conducted an archaeological survey for the widening of State Road 20. This survey was sponsored by Florida Department of Transportation and was adjacent to the Preserve. According to our information, artifacts were found, but the final report of this survey cannot be found. Furthermore, the Preserve and surrounding private property have had considerable legal digging and illegal looting activity indicating artifacts are present.

Extensive areas within the project's boundaries have a high potential of containing significant archaeological resources based upon the predictive criteria developed in "An Archaeological Survey of Unincorporated Alachua County, Florida: Phase 1 and Phase 2" (Southeastern Archaeological Research, Inc. 2001). The cultural significance of the Pithlachocco Preserve and surrounding area will be interpreted to the public through educational signage.

To protect known and unknown cultural sites located on the property, a protection plan will be implemented in conjunction with the Division of Historical Resources (DHR). The plan consists of the following practices:

1. Known sites will be monitored for disturbance on a yearly basis, unless factors merit more frequent monitoring.
2. Staff will maintain records and maps of all known cultural sites on the property, such that management staff have access to information about sites. Locations of known sites will not be identified on public maps of the property.
3. Archeological testing shall be performed for any area within the project site proposed for development prior to the commencement of proposed development activities in that area. All planned activities involving known archeological sites or identified site areas shall be closely coordinated with DHR in order to prevent the disturbance of significant sites.
4. Newly discovered sites will be documented and recorded in the Florida Master Site File.
5. Collection of artifacts or the disturbance of archaeological and historic sites, including for research purposes, is prohibited unless prior authorization has been obtained from the County and DHR.
6. Cultural resources will be protected pursuant to Alachua County Code Chapter 116 Sections 1-9 and Florida Statutes Chapter 267, specifically Sections 267.061 2(a) and (b).

Cultural Resource Protection Strategies

- Record newly discovered sites with the Florida Master Site File.
- Routinely visit known sites and note any disturbance.
- Evaluate all land management and development activities for potential disturbance to cultural sites.

IV. FOREST RESOURCES

The ultimate management goal for Pithlachocco Preserve is restoring, enhancing, and preserving the ecological values of the hardwood forests and natural communities onsite. Any future forest management activities will focus on reestablishing a diverse, native understory and maintaining and improving the quality of the overstory. Restoration will occur in phases over a period of many years, and will utilize exotic species control, and planting of native tree and groundcover species as needed. The uplands and forested wetlands within Pithlachocco Preserve have never been managed for timber production. Should restoration plans require that harvest of off-site species occur, any revenue generated from these or other forest management activities within Pithlachocco Preserve will be used to fund restoration activities within the Preserve.

Forest Management Strategies

- Control offsite hardwoods and exotic species.
- Plant native tree and groundcover species as needed.
- Place revenues generated from forest management in a fund specifically designated for Pithlachocco Preserve to fund restoration activities within the Preserve.

V. SITE DEVELOPMENT AND IMPROVEMENT

EXISTING PHYSICAL IMPROVEMENTS

The physical improvements on Pithlachocco Preserve are limited to fencing and gates along State Road 20 (Exhibit F) and an Alachua County Forever Preserve sign at the corner of Lake Shore Drive and State Road 20.

PROPOSED PHYSICAL IMPROVEMENTS

Currently, no physical improvements are planned for the site. In the future, should access become desirable or in demand, consideration will be given to limited facilities to allow public access including developing a parking area, trails, and appropriate signage. Should improvements become desirable, possible improvements will be located to minimize impacts to the resources and to avoid impacts to listed plant and animal species. Any future improvements will be compatible with all applicable state and federal standards.

ACCESS

The Pithlachocco Preserve is accessible from State Road 20. The preserve is available for public access upon request.

EASEMENTS, CONCESSIONS, LEASES, AND REVENUES

One Alachua County license agreement is currently in place over the Preserve, a Hunting Caretaker Agreement, executed in 2020 and valid through January 28th, 2025 for Contractual Services which allows limited hunting opportunities on the property in exchange for caretaking, maintenance, security and any other agreed upon service. While taking certain regulated species is permissible under this agreement, recreational hunting of Florida Black Bears is prohibited on all Alachua County-owned property.

There are no plans for establishing new easements or additional concessions on Pithlachocco Preserve. If recreational opportunities are deemed necessary or permissible in the future, potential acquisition of an access easement across the CPA Tax parcel # 18001-000-000 for a boardwalk that would extend out to Newnans Lake may be considered.

V. MANAGEMENT NEEDS

Maintenance

Alachua County will coordinate all maintenance activities through County staff, volunteers, licensees, and contractors. Currently, these activities include security, solid waste removal, and invasive plant removal.

Security

Security will be provided through staff, licensees, and reports from neighbors of the preserve.

Staffing

Alachua County Forever staff will coordinate the management of Pithlachocco Preserve with assistance from other county departments, contractors, and volunteers.

VI. REFERENCES

Brenner, M., Binford, M.W., and Deevy, E.S., 1990. Lakes in "Ecosystems of Florida." (Myers, R.L., and Ewel, J.J., eds.) Orlando: University of Central Florida Press.

Cox, James et al. "Closing the Gaps in Florida's Wildlife Habitat Conservation System." 1994. Florida Game and Fresh Water Fish Commission, Tallahassee. Florida.

Cox, J., and Kautz, R. 2000. Habitat conservation needs of rare and imperiled wildlife in Florida. Office of Environmental Services, Florida Fish and Wildlife Conservation Commission, Tallahassee, Florida.

Gottgens, J.F., and C.L. Montague. 1987. Orange, Lochloosa, and Newnans Lakes: A survey and preliminary interpretation of environmental research data.

KBN, A Golder Associates Company. 1996. Alachua County Ecological Inventory Project. Prepared for Alachua County Department of Growth Management, Gainesville, Florida.

Mahon, John K. "Daniel Newnan: A Neglected Figure in Florida History." The Florida Historical Quarterly, vol. 74, no. 2, 1995, pp. 148–153. JSTOR, www.jstor.org/stable/30148817.

Southeastern Archeological Research, Inc. 2001. An Archaeological Survey of Unincorporated Alachua County, Florida (Phase I and Phase II). Florida Master Site File Survey No. 6873. On file, Florida Division of Historical Resources, Tallahassee.

St. Johns River Water Management District. 1995. Surface Water Improvement and Management (SWIM) Plan for the Upper Ocklawaha River Basin. March 1995.

St. Johns River Water Management District. 2008. Surface Water Improvement and Management (SWIM) Plan Update. August 2008. Retrieved from: https://www.sjrwmd.com/static/plans/2008_LSJRB_SWIM_Plan_Update.pdf

Thomas, B.P., E. Cummings, and W. H. Whittstruck. 1985. Soil Survey of Alachua County, Florida. USDA/NRCS in cooperation with the University of Florida, Institute of Food and Agricultural Sciences, Soil Science Department and the Florida Department of Agriculture and Consumer Services.

Vanderhill, Burke G. "The Alachua Trail: A Reconstruction." The Florida Historical Quarterly, vol. 55, no. 4, 1977, pp. 423–438. JSTOR, www.jstor.org/stable/30145987.

Wheeler, Ryan J et al. "Archaic Period Canoes from Newnans Lake, Florida." *American Antiquity*, vol. 68, no. 3, July 2003, pp. 533–551, *JSTOR*, www.jstor.org/stable/3557107.

VII. MANAGEMENT PLAN IMPLEMENTATION CHART

Task	Time schedule	Cost	Funding Source	Potential Cooperators
Land Use and Zoning				
Amend future land use from Vacant Commercial to Preservation.	2023	Staff time	GF	ACGMD
Amend zoning from Business Automotive to Preservation.	After land use change	Staff time	GF	ACGMD
Listed Species				
Survey properties for listed species.	Ongoing	Staff time	GF	
Report Tracked species occurrence data to FNAI.	Ongoing	Staff time	GF	
Biota and Natural Community Inventory				
Continue to inventory plants, animals, and natural communities.	Ongoing	Staff time	GF	FNPS, AAS, UF
Develop GIS database for tracking monitoring activities.	Ongoing	Staff time	GF	
Establish photopoints in significant areas.	2024	Staff time, $250/year	GF	
Restoration				
Removal of legacy solid waste	Ongoing	Staff time and $400/yr.	GF	Volunteers, CSW, Contractor
Consider restoration opportunities along the maintained ditch	As needed	Staff time	N/A	Contractor, Volunteers
Invasive Exotic Plants				
Survey invasive exotic plants, produce maps and qualitatively describe populations.	Ongoing	Staff time	GF	Volunteers
Treat and monitor all known invasive plant populations.	Ongoing	Staff time, $200/yr	GF	Contractors
Feral Animals				
Monitor and arrange for removal of feral animal species.	Ongoing	Staff time	GF	ACAS, USDA, Licensee

Task	Time Schedule	Cost	Funding Source	Potential Cooperators
Cultural Resources				
Routinely visit known sites and note any disturbance.	Ongoing	Staff time	GF	DHR
Evaluate management activities for potential disturbance to cultural sites.	As needed	TBD	GF	DHR, Contractor
Record newly discovered sites with the Florida Master Site File.	As needed	Staff time	GF	DHR
Maintenance				
Inspect fencing and signage and maintain as needed.	Monthly	Staff time	GF	Licensee
Inspect boundary signs and markers annually and maintain as needed.	Annually	Staff time	GF	
Security				
Perform regular security inspections.	Ongoing	Staff time	GF	Licensee

AAS	Alachua Audubon Society
ACAS	Alachua County Animal Services
ACEPD	Alachua County Environmental Protection Department
ACF	Alachua County Forever
ACGMD	Alachua County Growth Management Department
ACPS	Alachua County Public Safety Department
ACPW	Alachua County Public Works
ASO	Alachua County Sheriff's Office
BIPM	Florida DEP, Bureau of Invasive Plant Management
CSW	Community Service Worker Program
DHR	Department of State Division of Historic Resources
FFS	Florida Forest Service
FFWCC	Florida Fish and Wildlife Conservation Commission
FNPS	Florida Native Plant Society
GF	General Fund
USDA	United States Department of Agriculture

EXHIBIT A: LOCATION MAP

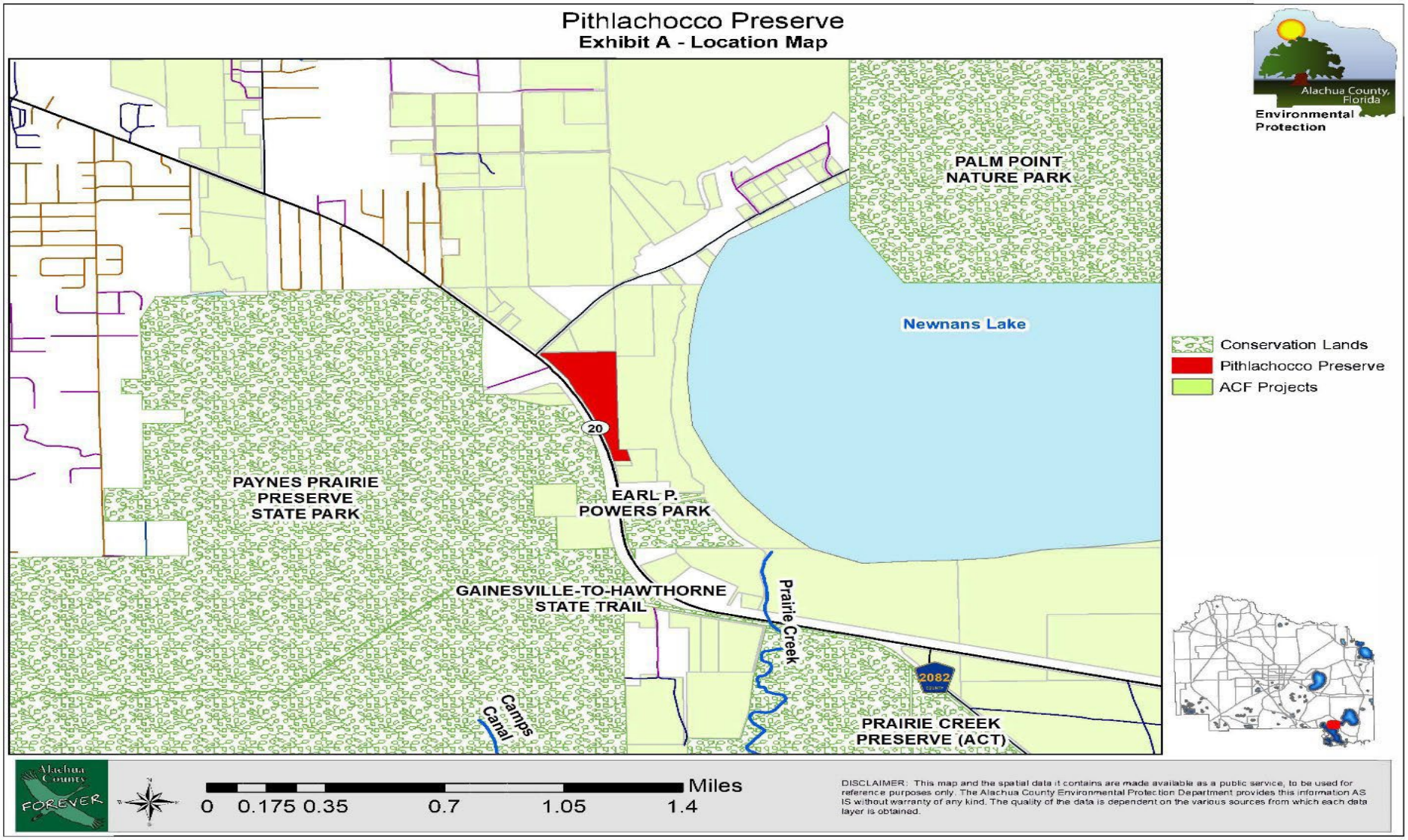

EXHIBIT B: AERIAL PHOTOGRAPH

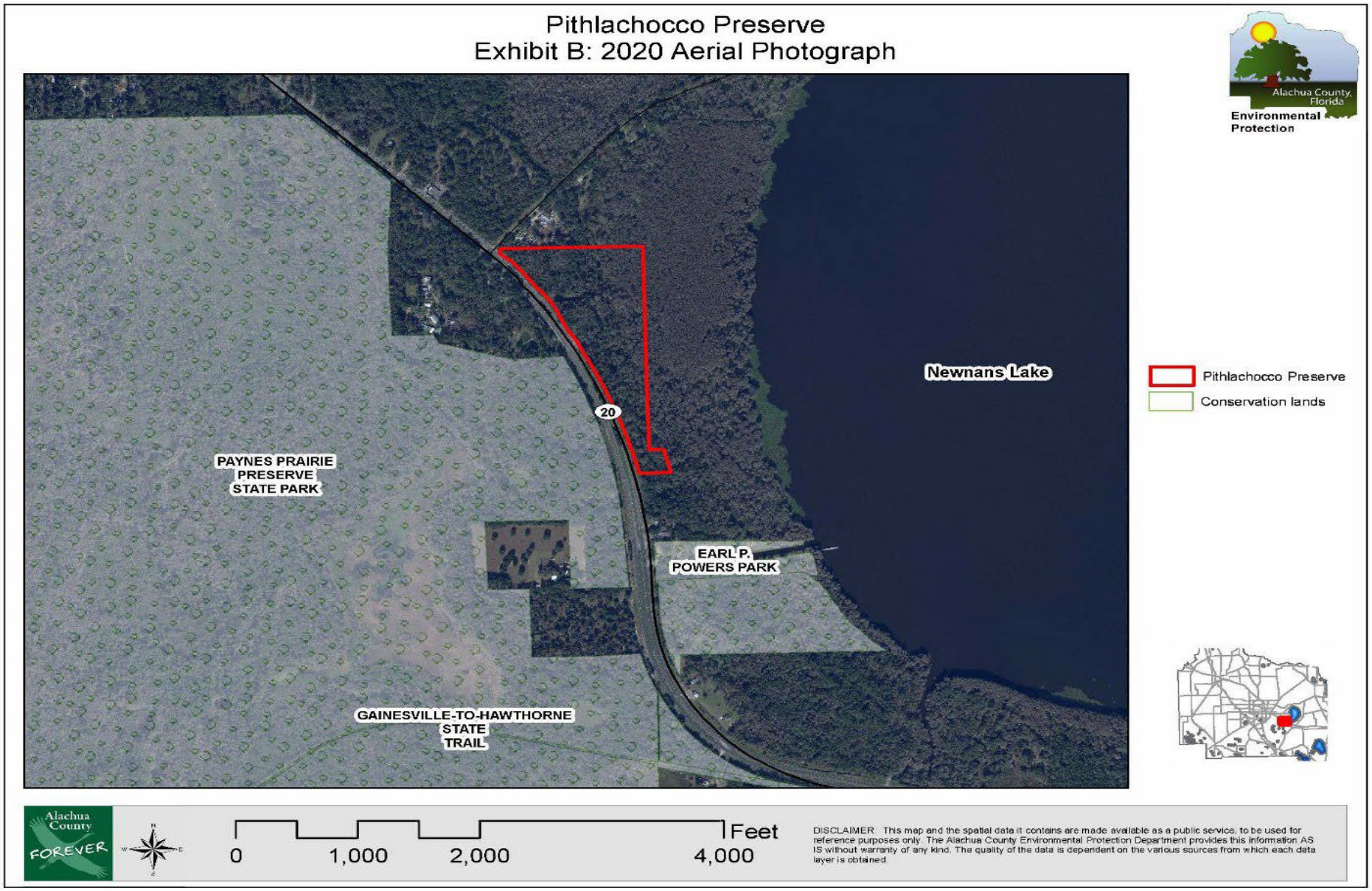

EXHIBIT C: PUBLIC LANDS MAP

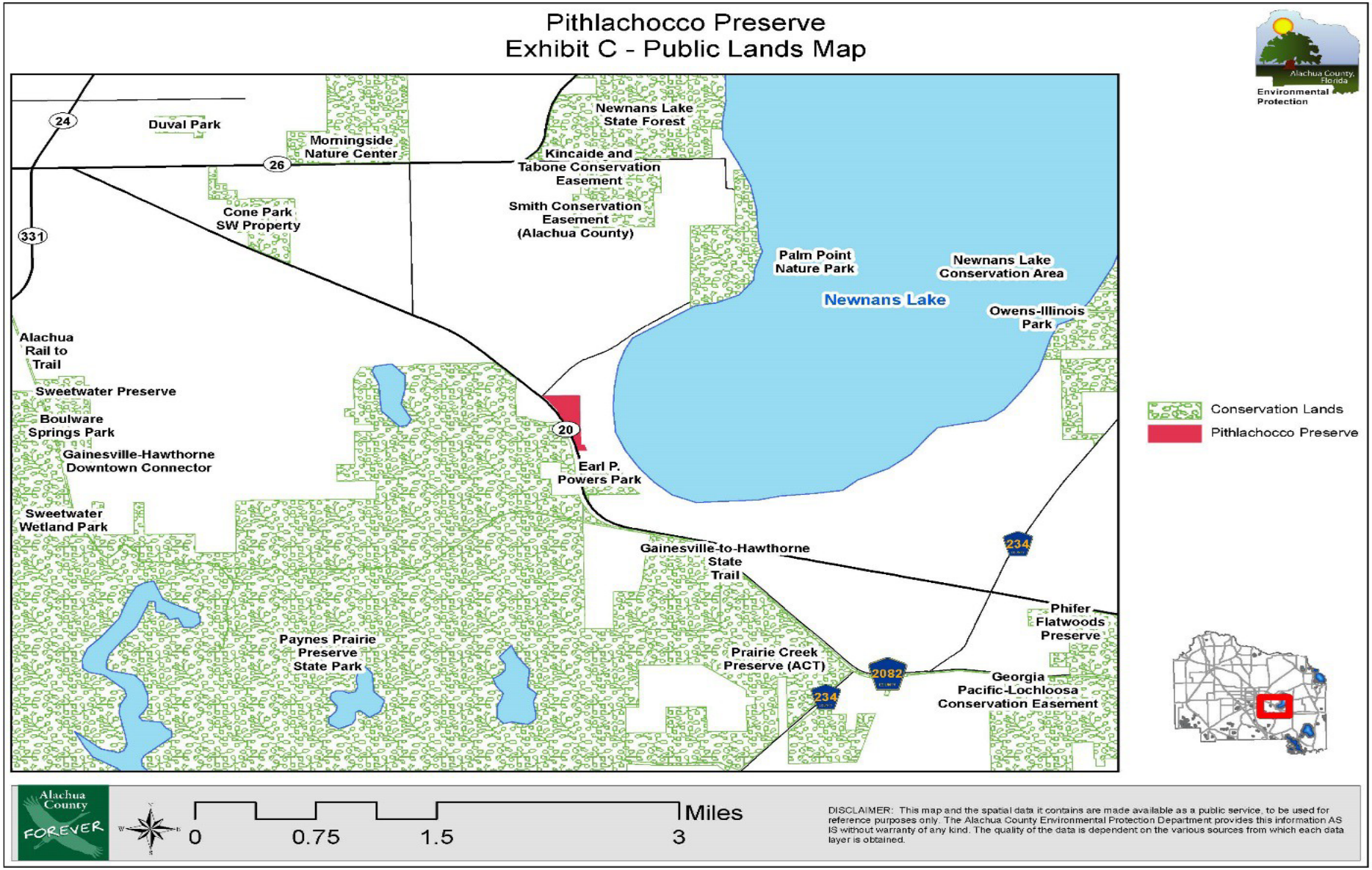

EXHIBIT D: SOILS MAP

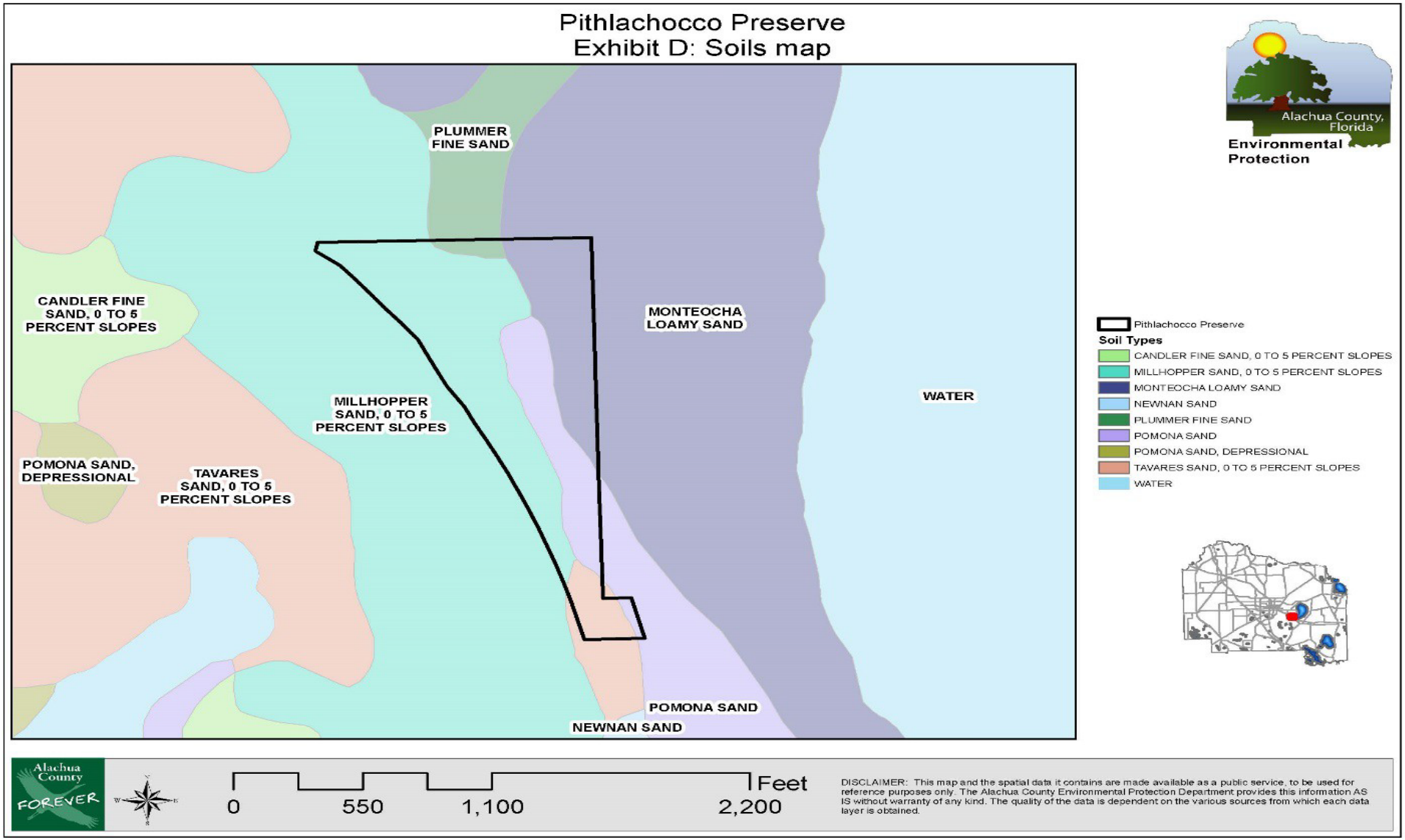

EXHIBIT E: NATURAL COMMUNITIES MAP

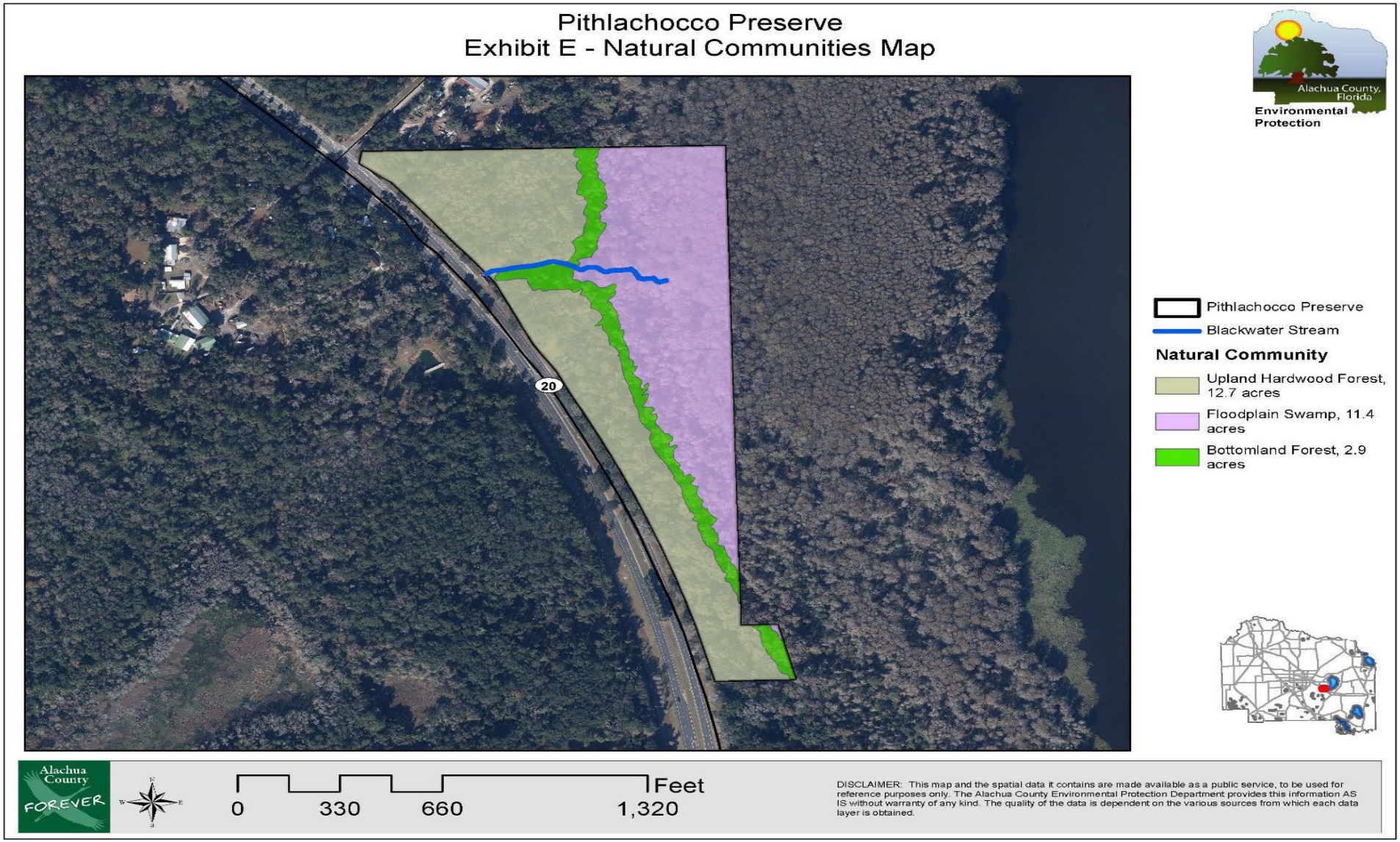

EXHIBIT F: EXISTING PHYSICAL IMPROVEMENTS MAP

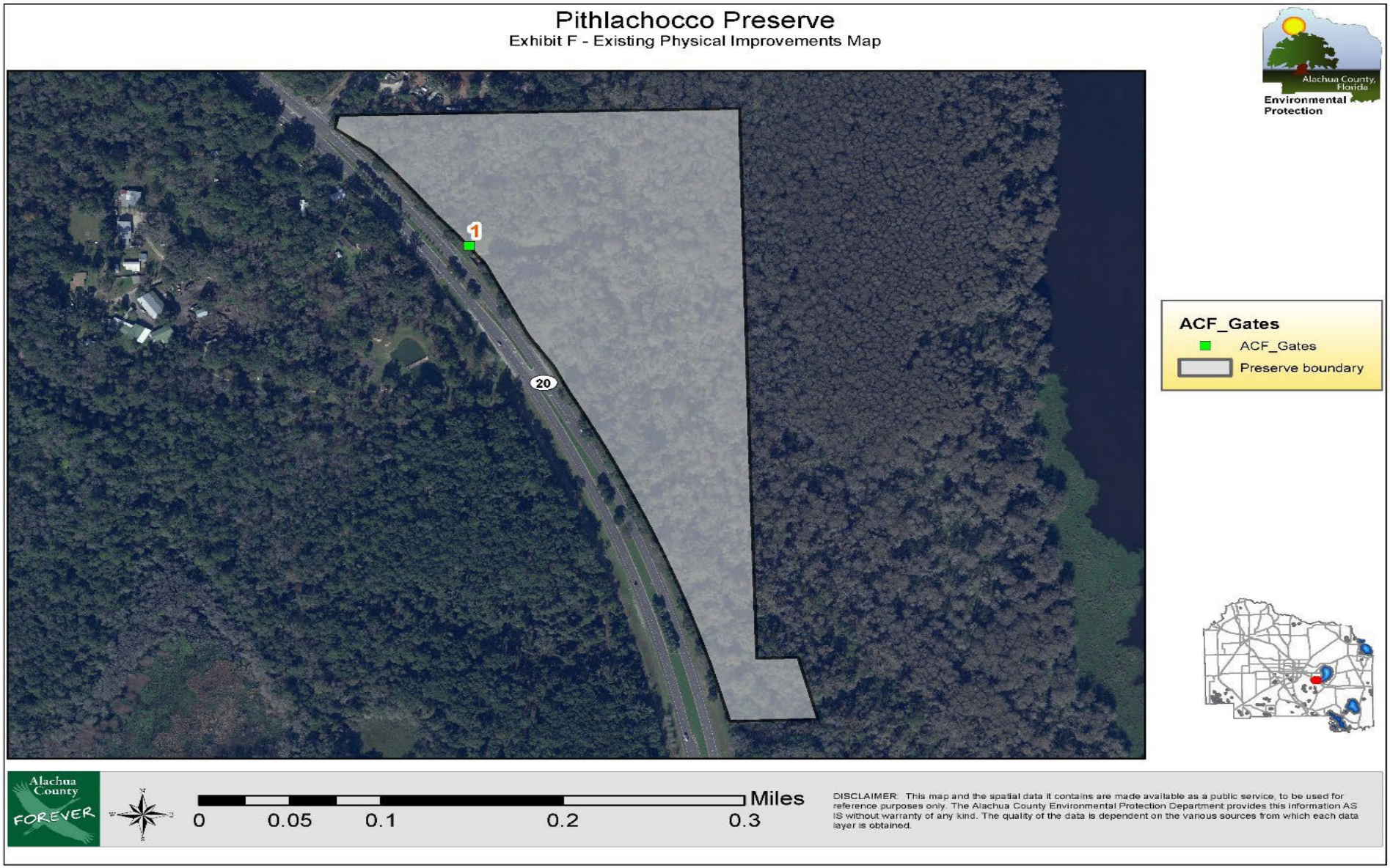

EXHIBIT G: PITHLACHOCCO PRESERVE PLANT SPECIES LIST

Scientific Name	Family	Common Name	Origin	FDACS Status	FNAI Rank
Acer negundo	Sapindaceae	Box elder	Native		
Acer rubrum	Sapindaceae	Red maple	Native		
Achillea millefolium	Asteraceae	Yarrow	Not Native		
Ambrosia artemisiifolia	Asteraceae	Common ragweed	Native		
Ampelopsis arborea	Vitaceae	Peppervine	Native		
Ardisia crenata	Myrsinaceae	Coral ardisia	Not Native		
Arundineria gigantea	Poaceae	Switchcane	Native		
Asparagus aethiopicus	Asparagaceae	Asparagus fern	Not Native		
Begonia cucullata	Begoniaceae	Wax Begonia	Not Native		
Bidens alba	Asteraceae	Beggarticks	Native		
Bignonia capreolata	Bignoniaceae	Crossvine	Native		
Boehmeria cylindrica	Urticaceae	False nettle; Bog hemp	Native		
Callicarpa americana	Lamiaceae	American beautyberry	Native		
Calycanthus floridus	Calycanthacea	Carolina allspice	Native	Endangered	G5/S2
Canna flaccida	Cannaceae	Bandanna of the everglades	Native		
Carex glaucescens	Cyperaceae	Clustered sedge	Native		
Carphephorus carnosus	Asteraceae	Pineland chaffhead	Endemic Native		
Celtis laevigata	Celtidaceae	Sugarberry	Native		
Cephalanthus occidentalis	Rubiaceae	Common buttonbush	Native		
Cercis canadensis	Fabaceae	Eastern redbud	Native		
Chasmanthium laxum	Poaceae	Slender woodoats	Native		
Cicuta maculata	Apiaceae	Spotted water hemlock	Native		
Cinnamomum camphora	Lauraceae	Camphor tree	Not Native		
Cirsium spp.	Asteraceae	Thistle	Native		
Citrus spp.	Rutaceae	Tangelo	Not Native		
Clerodendrum bungei	Lamiaceae	Rose glory bower	Not Native		
Cnidoscolus stimulosus	Euphorbiaceae	Tread-softly; finger-rot	Native		
Commelina diffusa	Commelinaceae	Common dayflower	Not Native		
Commelina virginica	Commelinaceae	Virginia dayflower	Native		
Crataegus spp.	Rosaceae	Hawthorne	Native		
Cynanchum scoparium	Apocynaceae	Swallowwort	Native		
Dichanthelium spp.	Poaceae	Witchgrass	Native		

Dioscorea alata	Dioscoreaceae	Winged yam	Not Native		
Dioscorea bulbifera	Dioscoreaceae	Air potato	Not Native		
Dioscorea villosa	Dioscoreaceae	Wild yam	Native		
Diospyros virginiana	Ebenaceae	Common persimmon	Native		
Drosera capillaris	Droseraceae	Pink sundew	Native		
Elephantopus elatus	Asteraceae	Tall elephantsfoot	Native		
Epidendrum conopseum	Orchidaceae	Greenfly Orchid	Native		
Erythrina herbacea	Fabaceae	Coralbean; Cherokee bean	Native		
Euonymous americanus	Celastraceae	American strawberry bush	Native		
Ficus pumila	Moraceae	Climbing fig	Not Native		
Forestiera godfreyi	Oleaceae	Godfrey's privet	Native	Endangered	G2/S2
Galactia elliottii	Fabaceae	Elliott's milkpea	Native		
Gelsemium sempervirens	Gelsemiaceae	Yellow jessamine; Carolina jessamine	Native		
Gladiolus gandavensis	Iridaceae	Gladiolus	Not Native		
Houstonia procumbens	Rubiaceae	Innocence; roundleaf bluet	Native		
Hydrocotyle umbellata	Araliaceae	Manyflower marshpennywort	Native		
Ilex opaca	Aquifoliaceae	American holly	Native		
Ilex vomitoria	Aquifoliaceae	Yaupon holly	Native		
Lactuca canadensis	Asteraceae	Canadian lettuce	Native		
Lantana strigocamara	Verbenaceae	Lantana	Not Native		
Leersia hexandra	Poaceae	Southern cutgrass	Native		
Lespedeza spp.	Fabaceae	Lespedeza	Native		
Ligustrum lucidum	Oleaceae	Glossy privet	Not Native		
Linaria canadensis	Veronicaceae	Canadian toadflax	Native		
Liquidambar styraciflua	Altingiaceae	Sweetgum	Native		
Ludwigia peruviana	Onagraceae	Peruvian primrosewillow	Not Native		
Magnolia grandiflora	Magnoliaceae	Southern magnolia	Native		
Matelea floridana	Apocynaceae	Florida Spiny pod	Native	Endangered	G2/S2
Medicago lupulina	Fabaceae	Black medick	Not Native		
Melia azedarach	Meliaceae	Chinaberry	Not Native		
Melothria pendula	Cucurbitaceae	Creeping cucumber	Native		
Mikania scandens	Asteraceae	Climbing hempvine	Native		
Mitchella repens	Rubiaceae	Partridgeberry; Twinberry	Native		
Nandina domestica	Berberidaceae	Nandina	Not Native		
Nothoscordum bivalve	Alliaceae	Crowpoison; False garlic	Native		
Oplismenus hirtellus	Poaceae	Woodsgrass; Basketgrass	Native		
Osmunda cinnamomea	Osmundaceae	Cinnamon fern	Native		
Osmunda regalis	Osmundaceae	Royal fern	Native		

Ostrya virginiana	Betulaceae	American hophornbeam	Native		
Paederia foetida	Rubiaceae	Skunk vine	Not Native		
Panicum anceps	Poaceae	Beaked panicum	Native		
Panicum repens	Poaceae	Torpedograss	Not Native		
Parthenocissus quinquefolia	Vitaceae	Virginia creeper; woodbine	Native		
Paspalum setaceum	Poaceae	Thin paspalum	Native		
Paspalum urvillei	Poaceae	Vaseygrass	Not Native		
Passiflora incarnata	Passifloraceae	Purple passionflower	Native		
Passiflora lutea	Passifloraceae	Yellow passionflower	Native		
Persea palustris	Lauraceae	Swamp bay	Native		
Pinguicula caerulea	Lentibulariaceae	Blueflower butterwort	Native	Threatened	
Pinus taeda	Pinaceae	Loblolly pine	Native		
Piptochaetium avenacioides	Poaceae	Florida needlegrass	Endemic Native		
Pittosporum tobira	Pittosporaceae	Cheesewood	Not Native		
Polygonum punctatum	Polygonaceae	Dotted smartweed	Native		
Polygonum virginianum	Polygonaceae	Jumpseed	Native		
Poncirus trifoliata	Rutaceae	Trifoliate orange	Not Native		
Prunus caroliniana	Rosaceae	Carolina laurel cherry	Native		
Pseudognaphalium obtusifolium	Asteraceae	Sweet everlasting; Rabbit tobacco	Native		
Ptelea trifoliata	Rutaceae	Waterash	Native		
Pycnanthemum spp.	Labiaceae	Mountain mint	Native		
Quercus laurifolia	Fagaceae	Laurel oak	Native		
Quercus sinuata	Fagaceae	Bastard oak	Native		
Quercus virginiana	Fagaceae	Live oak	Native		
Ranunculus spp.	Ranunculaceae	Buttercup	Native		
Rhexia virginica	Melastomataceae	Handsome harry	Native		
Rubus trivialis	Rosaceae	Southern dewberry	Native		
Rumex verticillatus	Polygonaceae	Swamp dock	Native		
Sabal minor	Arecaceae	Dwarf palmetto; Bluestem palm	Native		
Sabal palmetto	Arecaceae	Cabbage palm	Native		
Salicornia bigelovii	Amaranthaceae	Saltwort	Native		
Sambucus nigra	Adoxaceae	Elderberry	Native		
Sanicula canadensis	Apiaceae	Canadian black snakeroot	Native		
Saururus cernuus	Saururaceae	Lizard's tail	Native		
Scleria sp.	Cyperaceae	Nutrush	Native		
Serenoa repens	Arecaceae	Saw palmetto	Native		

Sesbania herbacea	Fabaceae	Danglepod	Native		
Setaria parviflora	Poaceae	Yellow bristlegrass; Knotroot foxtail	Native		
Sideroxylon sp.	Sapotaceae	Bully tree	Native		
Smilax auriculata	Smilacaceae	Earleaf greenbrier	Native		
Smilax bona-nox	Smilacaceae	Saw greenbrier	Native		
Solidago canadensis var. scabra	Asteraceae	Canadian goldenrod	Native		
Solanum viarum	Solanaceae	Tropical soda apple	Not Native		
Solidago odora	Asteraceae	Chapman's goldenrod	Native		
Sphagneticola trilobata	Asteraceae	Wedelia	Not Native		
Taxodium distichum	Cupressaceae	Bald cypress	Native		
Thelypteris sp.	Thelypteridaceae	Maiden fern	Native		
Tilia americana	Malvaceae	Basswood	Native		
Tillandsia usneoides	Bromeliaceae	Spanish moss	Native		
Toxicodendron radicans	Anacardiaceae	Eastern poison ivy	Native		
Tradescantia fluminensis	Commelinaceae	Small-leaf spiderwort	Not Native		
Tradescantia ohiensis	Commelinaceae	Ohio spiderwort	Native		
Triadica sebifera	Euphorbiaceae	Chinese tallow	Not Native		
Trifolium pratense	Fabaceae	Red clover	Not Native		
Urena lobata	Malvaceae	Caesar's Weed	Not Native		
Utricularia spp.	Lentibulariaceae	Bladderwort	Native		
Vaccinium arboreum	Ericaceae	Sparkleberry; Farkleberry	Native		
Verbesina virginica	Asteraceae	White crownbeard frostweed	Native		
Vernonia gigantea	Asteraceae	Giant ironweed	Native		
Veronica arvensis	Veronicaceae	Speedwell	Not Native		
Vitis rotundifolia	Vitaceae	Muscadine	Native		
Wisteria sinensis	Fabaceae	Chinese wisteria	Not Native		
Zephyranthes atamasca var. treatiae	Amaryllidaceae	Treat’s rainlily	Native	Threatened	

EXHIBIT H: PITHLACHOCCO PRESERVE ANIMAL SPECIES LIST

Scientific Name	Family	Common name	Origin	FNAI Rank	U.S. Status	FL Status
		Arthropods				
Erythemis simplicicollis	Libellulidae	Eastern pondhawk	Native			
Gasteracantha cancriformis	Araneidae	Spiny orb weaver	Native			
Hyphantria cunea	Erebidae	Fall Webworm Moth	Native			
Leucauge argyrobapta	Tetragnathidae	Mabel orchard orbweaver	Native			
Micrathena sagittata	Araneidae	Arrow shaped orbweaver	Native			
Neoscona domiciliorum	Araneidae	Red-femured Spotted Orbweaver	Native			
Trichonephila clavipes	Araneidae	Golden silk orbweaver	Native			
		Birds				
Aramus guarauna	Aramidae	Limpkin	Native	G5/S3		
Ardea alba	Ardeidae	Great Egret	Native			
Baeolophus bicolor	Paridae	Tufted Titmouse	Native			
Buteo lineatus	Accipitridae	Red shouldered hawk	Native			
Cardinalis cardinalis	Cardinalidae	Northern cardinal	Native			
Corvus brachyrhynchos	Corvidae	American crow	Native			
Cyanocitta cristata	Corvidae	Blue jay	Native			
Dryocopus pileatus	Picidae	Pileated woodpecker	Native			
Egretta caerulea	Aredeidae	Little blue heron	Native	G5/S4		ST
Egretta thula	Ardeidae	Snowy egret	Native	G5/S3		
Egretta tricolor	Ardeidae	Tricolored heron	Native	G5/S4		
Elanoides forficatus	Accipitridae	Swallow-tailed kite	Native	G5/S2		
Melanerpes carolinus	Picidae	Red bellied woodpecker	Native			
Meleagris gallopavo	Phasianidae	Wild Turkey	Native			
Mycteria americana	Ciconiidae	Wood Stork	Native	G4/S2	DL	FT
Nycticorax nycticorax	Ardeidae	Black crowned night heron	Native	G5/S3		
Pandion haliaetus	Pandionidae	Osprey	Native	G5/S3, S4		
Picoides pubescens	Picidae	Downy woodpecker	Native			
Poecile carolinensis	Paridae	Carolina chickadee	Native			
Seiurus aurocapilla	Parulidae	Ovenbird	Native			
Septophaga ruticilla	Parulidae	American redstart	Native	G5/S2		
Setophaga americana	Parulidae	Northern parula	Native			
Thryothorus ludovicianus	Troglodytidae	Carolina wren	Native			
Vireo flavifrons	Vireonidae	Yellow throated vireo	Native			
Vireo griseus	Vireonidae	White eyed vireo	Native			
Vireo olivaceus	Vireonidae	Red eyed vireo	Native			
		Herpetofauna				
Agkistrodon piscivorus	Viperidae	Water moccasin	Native			
Alligator mississippiensis	Alligatoridae	American alligator	Native	G5/S4	SAT	FT (S/A)
Anaxyrus quercicus	Bufonidae	Oak toad	Native			
Coluber constrictor	Colubridae	Black racer	Native			
Didelphis marsupialis	Didelphidae	Opossum	Native			
Hyla cinerea	Hylidae	Green treefrog	Native			
Lithobates catesbeianus	Ranidae	American bullfrog	Native			
Lithobates sphenocephalus	Ranidae	Southern Leopard Frog	Native			

Opheodrys aestivus	Colubridae	Rough green snake	Native			
Pantherophis alleghaniensis	Colubridae	Eastern rat snake	Native			
		Mammals				
Canis latrans	Canidae	Coyote	Naturalized			
Dasypus novemcinctus	Dasypodidae	Nine-banded Armadillo	Invasive			
Glaucomys volans	Sciuridae	Southern flying squirrel	Native			
Lynx rufus	Felidae	Bobcat	Native			
Odocoileus virginianus	Cervidae	White-tailed deer	Native			
Procyon lotor	Procyonidae	Raccoon	Native			
Sciurus carolinensis	Sciuridae	Eastern gray squirrel	Native			

EXHIBIT I: PUBLIC INVOLVEMENT

Pithlachocco Preserve Management Planning Meeting

Date: May 18th, 2023

Location: Prairie Creek Lodge, 7204 SE CR 234; Gainesville, Florida

Present: Andi Christman, Scott Crosby, Jesse Natwick, Wesley Wells, Sally Morrison

---

I. Introduction and welcome by **Andi Christman**, including discussion of the Alachua County Forever (ACF) Program by **Andi Christman**.

II. Site overview, history of acquisition and highlights from the 10-year Management Plan by **Scott Crosby.**

III. Public comments – an informal discussion between attendee Sally Morrison and ACF staff covered current and planned management activities. No written public comments were submitted at the meeting. One response was received by e-mail:

IV. Meeting adjourned

From: workpherson@cox.net
To: Scott Crosby
Subject: RE: management plan request
Date: Wednesday, May 24, 2023 9:17:53 AM
Attachments: image001.png
image002.png
image003.png
image004.png
image005.png
image006.png
image007.png

Nothing substantial looks straightforward. Was unable to make the meeting. Any significant feedback at the meeting?

I did notice that one of the parcel numbers on page 9 under potential conflicts refers to a parcel already purchased by Alachua County. And water moccasin in the listed spp list is under mammals.

From: Scott Crosby <scrosby@alachuacounty.us>
Sent: Tuesday, May 23, 2023 9:02 AM
To: workpherson@cox.net
Subject: Re: management plan request

Kelly,

Do you have any feedback/comments on the Pithlachocco management plan?

Thanks,
Scott

From: Scott Crosby <scrosby@alachuacounty.us>
Sent: Tuesday, May 16, 2023 1:37 PM
To: workpherson@cox.net <workpherson@cox.net>
Cc: LandConservation <LandConservation@alachuacounty.us>
Subject: RE: management plan request

Good afternoon Kelly,

Attached is the draft management plan.

Scott

Scott Crosby, SAF Certified Forester
Senior Environmental Specialist
Environmental Protection Department
408 W. University Ave Suite 106 • Gainesville • FL • 32601
352-264-6823 (office) • 352-213-0024 (mobile)

APPENDIX A – DEEDS

Wainberg Deed

RECORDED IN OFFICIAL RECORDS
INSTRUMENT # 2325884 2 PGS
2007 MAR 29 04:50 PM BK 3572 PG 167
J. K. "BUDDY" IRBY
CLERK OF CIRCUIT COURT
ALACHUA COUNTY, FLORIDA
CLERK10 Receipt#324186
Doc Stamp-Deed: 1,225.00

2325884

WARRANTY DEED (Statutory Form)

(The terms "grantor" and "grantee" herein shall be construed to include all genders and singular or plural as the context indicates.)

THIS INSTRUMENT PREPARED BY:

ROBERT A. STERN, P.A.
537 N.E. First Street, Suite 5
Gainesville, Florida 32601
(352) 373-8502

WARRANTY DEED

THIS INDENTURE, made this 29th day of March, 2007, BETWEEN **SALOMON WAINBERG, Individually and as Trustee,** whose post office address is: 5502 Avenue Du Soleil, Lutz, Florida 33548, of the State of Florida, grantor, and **ALACHUA COUNTY, a charter county and political subdivision of the State of Florida**, whose post office address is: Post Office Box 2877, Gainesville, FL 32602-2877, of the State of Florida, grantee,

WITNESSETH: That said grantor, for and in consideration of the sum of TEN AND NO/100 Dollars ($10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs, successors and assigns forever, the following described land, situate, lying and being in Alachua County, Florida, to-wit:

SEE EXHIBIT "A" ATTACHED HERETO AND INCORPORATED HEREIN BY REFERENCE.

Subject to covenants, restrictions and easements of record.

Tax Parcel No 16201-003-000

Grantee's Tax I.D. No. ---------- (SW)

GRANTOR HEREBY WARRANTS THAT THE ABOVE DESCRIBED PROPERTY IS NOT HIS HOMESTEAD, NOR IS IT CONTIGUOUS THERETO.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, Grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Witness

MELISSA JAY MURPHY
Witness Name Printed or Typed

Witness

ROBERT A. STERN
Witness Name Printed or Typed

SALOMON WAINBERG, Individually and as Trustee

STATE OF FLORIDA
COUNTY OF Alachua

The foregoing instrument was acknowledged before me this 29th day of March, 2007, by **SALOMON WAINBERG, Individually and as Trustee,** who is personally known to me or who has produced FL Driver's License as identification.

Notary Public, State of Florida
Name Printed or Typed:

J. PERRIN
MY COMMISSION # DD 503817
EXPIRES: January 12, 2011
Bonded Thru Budget Notary Services

INSTRUMENT # 2325884
2 PGS

EXHIBIT "A"

LEGAL DESCRIPTION

Commence at the NE corner of Section 13, Township 10 South, Range 20 East and run South 0°32'53" East along the East line of said Section, 1343.47 feet to the Point of Beginning, being the NE corner of Lot 7 of a subdivision of Section 13; thence run South 89°47'44" West along the North line of Lots 7 and 8 of said Section, 1167.59 feet to the Southeasterly right-of-way of Lake Road (66' right of way); thence run South 41°29' West along said right of way, 29.33 feet to the Northeasterly right of way of State Road No. 20, said point lying on a curve concave to the Southwest; thence run Southeasterly along the arc of said right of way curve, 379.54 feet; thence run South 46°27' East along said right of way, 565.89 feet; thence run South 38°40' East along said right of way, 103.95 feet; thence run South 33°29' East along said right of way, 82.28 feet; thence run South 21°46' East along said right of way, 70.67 feet; thence run South 15°42' East along said right of way, 66.14 feet; thence run South 85°52' West along said right of way, 128.47 feet to a point on a curve concave to the Southwest; thence run Southeasterly along the arc of said right of way curve, 1063.55 feet to the South line of Lot 23 of Section 13; thence run South 89°52'18" East, 137.77 feet to the Southeast corner of said lot and the East line of Section 13; thence run North 0°32'53" West along said East line, 1986.32 feet to the P.O.B. Being and lying in Section 13, Township 10 South, Range 20 East, Alachua County, Florida.

ALSO BEING KNOWN AS AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

Commence at the NE corner of Section 13, Township 10 South, Range 20 East for a Point of Reference; thence South 01°23'51" East along the East line of said Section 13, a distance of 1342.10 feet a 1-1/2" iron pipe (no identification) being the NE corner of Lot 7 of a Subdivision of Section 13 as per plat thereof recorded in Plat Book A, page 93 of the Public Records of Alachua County, Florida and being also the Point of Beginning; thence South 88°45'46" West along the North line of Lots 7 and 8 of said Subdivision of Section 13, a distance of 1166.55 feet to a 5/8" iron rod & cap (FDOT) at the Southeasterly right-of-way of Lake Road, also known as County Road No. 329B (70' right-of-way); thence South 11°14'07" West, along said right-of-way line, a distance of 46.72 feet to a set nail & disk (GFY LB021) at the intersection with the northeasterly right-of-way line of State Road No. 20 and being also the point of curvature of a curve concave to the southwest and having a radius of 4961.07 feet, a delta of 00°03'34" and a chord bearing and distance of South 42°23'22" East, 5.16 feet respectively; thence southeasterly, along the arc of said curve, a distance of 5.16 feet to a set nail & disk (GFY LB021) at the end of the curve; thence South 52°54'34" East along the right-of-way line, a distance of 127.16 feet to a 5/8" iron rod & cap (FDOT) at the point of curvature of a curve concave to the southwest and having a radius of 4986.07 feet, a delta of 03°29'53" and a chord bearing and distance of South 39°13'48" East, 304.37 feet respectively; thence southeasterly along the arc of said curve, a distance of 304.42 feet to a 5/8" iron rod & cap (FDOT) at the end of the curve; thence South 40°24'22" East, along the right-of-way line, a distance of 95.64 feet to a 3/4" iron pipe (no identification) at the intersection with that parcel of land as described in Official Records Book 2404, page 582 of the aforementioned Public Records; thence along the boundary of said parcel of land, the following six (6) courses: (1) South 47°22'20" East, a distance of 389.73 feet to a 1/2" iron pipe (no identification); thence (2) South 39°34'27" East, a distance of 104.01 feet to a 1/2" iron pipe (no identification); thence (3) South 34°23'47" East, a distance of 82.10 feet to a 1/2" iron pipe (no identification); thence (4) South 22°41'54" East, a distance of 70.57 feet to a 1/2" iron pipe (no identification); thence (5) South 16°36'49" East, a distance of 66.01 feet to a 1" iron pipe (no identification) at the southeast corner of the aforementioned parcel of land as described in Official Records Book 2404, page 582; thence (6) South 84° 57'23" West, along the south line of said parcel, a distance of 128.91 feet to a 1/2" iron pipe (no identification) at the intersection with the easterly right-of-way line of the aforementioned State Road No. 20 and being a point on a curve concave to the southwest and having a radius of 4961.07 feet, a delta of 12°18'37" and a chord bearing and distance of South 22°50'44" East, 1063.86 feet respectively; thence southeasterly along said right-of-way line, a distance of 1065.91 feet to a set 1/2" iron rod & cap (GFY LB021) at the intersection with the south line of Lot 23 of the aforementioned Subdivision of Section 13; thence North 88°15'00" East, along said south line, a distance of 137.43 feet to a 4"x4" concrete monument (no identification) at the southeast corner of said Lot 23 and being on the east line of the southeast quarter of Section 13; thence North 01°39'22" West along said east line of the southeast quarter, a distance of 657.37 feet to a 4"x4" concrete monument (no identification) at the southeast corner of the northeast quarter of Section 13; thence North 01°23'51" West, along the east line of the said northeast quarter of Section 13, a distance of 1331.22 feet to the Point of Beginning.
Being and lying in Section 13, Township 10 South, Range 20 East, Alachua County, Florida.

LESS AND EXCEPT any portion of the foregoing described property lying within the right of way of State Road No. 20 a/k/a S.E. Hawthorne Road.

27.00
100.80

RECORDED IN OFFICIAL RECORDS
INSTRUMENT # 2773228 3 PG(S)
February 20, 2013 04:32:30 PM
Book 4174 Page 739
J. K. IRBY Clerk Of Circuit Court
ALACHUA COUNTY, Florida

Doc Stamp-Deed: $100.80

Return To:

This instrument prepared by:
Charles I. Holden, Jr., Esquire
Holden, Carpenter, Roscow & Kurdziel, PL
5608 NW 43rd Street
Gainesville, FL 32653
File No. 12-383

Tax Parcel No.:16200-002-001

THIS WARRANTY DEED, made and entered into on this 11th day of February, 2013, by and between:

DAVID M. LEWIS, unremarried widower of Thelma, whose address is P.O. Box 1212, Hawthorne, FL 32640, and whose Social Security Number is _____,

hereinafter called Grantor*, to:

ALACHUA COUNTY, a charter county and political subdivision of the State of Florida, by and through its Board of County Commissioners, whose address is P.O. Box 5547, Gainesville, Florida, 32627-5547, and whose Tax ID # is _____,

hereinafter called Grantee*:

(*Wherever used herein the terms "Grantor" and Grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations. "Grantor" and "Grantee" are used for singular or plural, as context requires.)

WITNESSETH, that said Grantor, for and in consideration of the sum of Ten ($10.00) Dollars and other good and valuable consideration to said Grantor in hand paid by said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said Grantee, and Grantee's heirs and assigns forever, the following-described land situated, lying and being in **Alachua County, Florida**, to-wit:

SEE ATTACHED EXHIBIT "A" FOR LEGAL DESCRIPTION WHICH IS MADE A PART HEREOF.

Subject to restrictions, reservations, and easements of record, if any, and taxes for the year 2013 and subsequent years.

and said Grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, the Grantors have executed this Warranty Deed under seal on the day and year first above written.

Signed, sealed and delivered
in our presence as witnesses:

Witness Kim Deleon

Printed name of witness signing above

Witness Rebecca L.A. Wood

Printed name of witness signing above

DAVID M. LEWIS (SEAL)

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing Warranty Deed was acknowledged before me this 11th day of February, 2013, by **DAVID M. LEWIS**, who is personally known to me; or who produced:
(If not personally known, check applicable box)
(X) Driver's License issued within five (5) years from date; or
( ) Other: _____ as identification.

Rebecca L.A. Wood
Notary Public

Printed name of Notary signing above

Name, Commission Number, and Expiration Date together with Seal below:

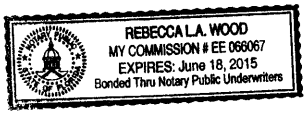

EXHIBIT "A"

A tract of land situated in Lots 7,8,21 and 22 of Section 13, Township 10 South, Range 20 East, as per plat recorded in Plat Book "A", Page 93 of the Public Records of Alachua County, Florida, said tract of land being more particularly described as follows:
Commence at an old iron pipe being locally accepted as the Northwest corner of Lot 9 of said Section 13, for a point of reference and run South 01 Deg. 28 Min. 51 Sec. East, along the West line of Lots 9 and 20, a distance of 825.26 feet to a concrete monument; thence run North 88 Deg. 58 Min. 17 Sec. East, along the South line of the N. 1/4 of said Lot 20, a distance of 240.68 feet to an iron pipe; thence run South 29 Deg. 27 Min. 28 Sec. East, a distance of 91.16 feet to an iron pipe; thence run South 75 Deg. 33 Min. 03 Sec. East, a distance of 467.73 feet to an iron pipe; thence run North 85 Deg. 38 Min. 14 Sec. East, a distance of 609.09 feet to an iron pipe on the Southwesterly right of way line of State Road No. 20; thence run South 89 Deg. 24 Min. 45 Sec. East, a distance of 115.38 feet to an iron pipe on the Northeasterly right of way line of said State Road No. 20 and the True Point of Beginning; thence run North 84 Deg. 56 Min. 42 Sec. East, a distance of 128.68 feet to an iron pipe on the Southwesterly right of way line of the old abandoned public road; thence run North 16 Deg. 37 Min. 43 Sec. West, along said right of way line, a distance of 66.19 feet to an iron pipe; thence run North 22 Deg. 40 Min. 16 Sec. West, along said right of way line, a distance of 70.60 feet to an iron pipe; thence run North 34 Deg. 24 Min. 39 Sec. West, along said right of way line, a distance of 82.28 feet to an iron pipe; thence run North 39 deg. 34 Min. 14 Sec. West, along said right of way line, a distance of 103.87 feet to an iron pipe; thence run North 47 Deg. 22 Min. 00 Sec West, along said right of way line, a distance of 389.83 feet to an iron pipe on the aforementioned Northeasterly right of way line of State Road No. 20; thence run South 40 Deg. 17 Min. 59 Sec. East, along said right of way line, a distance of 57.38 feet to an iron pipe; thence run Southeasterly, along said right of way line, with a curve concave Southwesterly, (said curve having a radius of 4996.07 feet, a central angle of 00 Deg. 49 Min. 00 Sec. and a chord bearing and distance of South 35 Deg. 15 Min. 49 Sec. East, 71.21 feet), an arc distance of 71.21 feet to an iron pipe; thence run South 26 Deg. 11 Min. 40 Sec. East, along said right of way line, a distance of 285.96 feet to an iron pipe; thence run Southeasterly, along said right of way line, with a curve concave Southwesterly, (said curve having a radius of 4961.07 feet, a central angle of 02 Deg. 35 Min. 13 Sec. and a chord bearing and distance of South 30 deg. 17 Min. 42 Sec. East, 223.98 feet), an arc distance of 224.00 feet to the True Point of Beginning.

Floyd Deed

RECORDED IN OFFICIAL RECORDS
INSTRUMENT # 2858557 3 PG(S)
May 02, 2014 04:23:54 PM
Book 4274 Page 483
J. K. IRBY Clerk of Circuit Court
ALACHUA COUNTY, Florida

Doc Stamp-Deed: $109.20

27.00
109.20

TRUSTEE'S DEED

Return To:

This instrument prepared by: Charles I. Holden, Jr.
Holden, Carpenter & Roscow, PL
5608 N.W. 43rd Street
Gainesville, FL 32653

File Number: 9530.8 (12-381)

THIS TRUSTEE'S DEED, Made and entered into on this 28th day of April, 2014, by

GENEVIEVE P. FLOYD and HOWARD H. FLOYD, (who are husband and wife), individually and as Trustees of the GENEVIEVE P. FLOYD REVOCABLE LIVING TRUST dated April 4, 1997,

whose address is: P.O. Box 1700, Keystone Heights, FL 32656

hereinafter called grantor*, to

ALACHUA COUNTY, a charter county and political subdivision of the State of Florida, by and through its Board of County Commissioners, whose address is P.O. Box 5547, Gainesville, Florida, 32627-5547, and whose Tax ID # is _____,

hereinafter called grantee*:

(Wherever used herein the terms "grantor" and grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

WITNESSETH, That said grantor, for and in consideration of the sum of **Ten and No/100 ($10.00) Dollars** and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and the grantee's heirs and assigns forever, the following described land, situate, lying and being in **Alachua** County, Florida, to-wit:

SEE ATTACHED EXHIBIT "A" FOR LEGAL DESCRIPTION WHICH IS MADE A PART HEREOF.

SUBJECT TO Taxes for 2013 and all subsequent years.

TAX PARCEL NUMBER: 18002-000-000

TOGETHER, with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD the same together with all and singular the appurtenances thereunto belonging or in anywise appertaining, and all the estate, right, title, interest, lien, equity and claim whatsoever of the said grantor, either in law or equity, to the only proper use, benefit and behalf of the said grantee forever.

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land.

IN WITNESS WHEREOF, the Grantors have executed this deed under seal on the day and year first above written.

Signed, sealed and delivered in our presence as witnesses:

Diana E. Harris
Witness

Diana E. Harris
printed name of witness signing above

Wayne P. Castello
Witness

Wayne P. Castello
printed name of witness signing above

Genevieve P. Floyd
GENEVIEVE P. FLOYD, individually and as Trustee of the Genevieve P. Floyd Revocable Living Trust dated April 4, 1997,

Diana E. Harris
Witness

Diana E. Harris
printed name of witness signing above

Wayne P. Castello
Witness

Wayne P. Castello
printed name of witness signing above

Howard H. Floyd
HOWARD H. FLOYD, Individually and as Trustee of the Genevieve P. Floyd Revocable Living Trust dated April 4, 1997,

ACKNOWLEDGMENTS

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing Trustee's Deed was acknowledged before me this 28th day of April, 2014, by GENEVIEVE P. FLOYD, Individually and as TRUSTEE OF THE Genevieve P. Floyd Revocable Living Trust dated April 4, 1997.

Diana E. Harris
Notary Public
Printed Name:
Commission No.:

DIANA E. HARRIS MY COMMISSION EXPIRES July 22, 2015 #EE 095995 Bonded thru Troy Fain-Insurance NOTARY PUBLIC, STATE OF FLORIDA

Personally known_____ OR Produced Identification X

Type of Identification Produced: valid Florida Driver License

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing Trustee's Deed was acknowledged before me this 28th day of April, 2014, HOWARD H. FLOYD, Individually and as TRUSTEE OF THE Genevieve P. Floyd Revocable Living Trust dated April 4, 1997.

Diana E. Harris
Notary Public
Printed Name:
Commission No.:

DIANA E. HARRIS MY COMMISSION EXPIRES July 22, 2015 #EE 095995 Bonded thru Troy Fain-Insurance NOTARY PUBLIC, STATE OF FLORIDA

Personally known_____ OR Produced Identification X

Type of Identification Produced: valid Florida Driver License

EXHIBIT "A"

Five (5) chains from North to South and Four (4) chains from East to West containing two acres, more or less, parallel with the public road, lying and being in the Northwest corner of the following tract:

Commencing twenty (20) chains North of the Southwest corner of Section 18, Township 10 South, Range 21 East, 9 chains North, 10 chains West, 11.33 chains to public road, thence Southeasterly along the public road to the point of beginning.

LESS AND EXCEPT the South 100 feet of the above described parcel.

HUD CONTRACT – APPENDIX B

RECEIVED
MAY 09 2008
COUNTY MANAGER

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, D.C. 20410-1000

OFFICE OF COMMUNITY PLANNING AND DEVELOPMENT

Copy Original to Vicki V. OMB 5/14/08

April 30, 2008

Mr. Randall H. Reid
County Manager
Alachua County
12 SE First Street Suite 201
Gainesville, FL 35326

Dear Mr. Reid:

I am returning a signed copy of your Certification of Project Completion for your records. Please let me know if I can be of further assistance. I may be reached at (202) 708-3773, ext. 4885, fax (202)-708-7543, or Herbert_Mallette@hud.gov.

We thank you for participating in our program.

Sincerely,

Herbert Mallette
Special Projects Division

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

CERTIFICATE OF PROJECT COMPLETION
FOR
EDI-SPECIAL PROJECT GRANT NO. **B-02-SP-FL-0127**

The Grantee, Alachua County, hereby certifies that: 1) the project as described in the approved application has been performed/completed in accordance with the terms and conditions of the executed Grant Agreement and applicable Grant award statute; 2) all data provided below fairly reflect costs and sources of funds for the project; 3) all data are taken from the HUD approved Financial Status Report and other current/related documents; and 4) the Grantee has complied with all the requirements of the Grant Agreement.

	Description	Amounts $
1)	Grant amount per Grant Agreement	100,000.00
2)	Grant amount that meets the allowable and allocable requirements, including the necessary and reasonable standard, of OMB Circular A-87 or A-122	100,000.00
3)	Cumulative Grant funds drawn down.	100,000.00
4)	Balance available for drawdown. (line 2 minus line 3 if greater than zero)	0.00
5)	Amount to be returned to HUD. (line 2 minus line 3 if less than zero)	0.00
6)	Unused Grant amount to be canceled by HUD (line 1 minus line 3 minus line 4 if greater than zero)	0.00

RANDALL H. REID, COUNTY MANAGER — Name/Title of Grantee Official

Signature of Authorizing Grantee Official — Date

APPROVED AS TO FORM
ALACHUA COUNTY ATTORNEY

(WARNING: Section 1001, Title 18 of U.S. Code (Criminal Code and Criminal Procedure, 72 Stat. 967) applies to the above statements.)

THIS CERTICATE OF PROJECT COMPLETION IS HEREBY APPROVED:

Francis P. McNally
Director
Congressional Grants Division
Name/Title of Authorizing HUD Program Official

Signature of Authorizing HUD Official — 3/14/08 Date

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

GRANT CLOSEOUT AGREEMENT

FOR

2002 EDI-SPECIAL PROJECT GRANT NO. **B-02-SP-FL-0127**

This Agreement, enter into by and between Alachua County, Gainesville, FL hereinafter referred to as "Grantee") and the U.S. Department of Housing and Urban Development (hereinafter referred to as "HUD").

1. Whereas, the Grantee undertook activities with financial assistance in the amount of $100,000 from HUD provided pursuant to the authority of Title II of Public Law 106-377 for project no. B-02-SP-FL-0127 hereinafter referred to as "project".

2 Whereas, the Grantee and HUD entered into a Grant Agreement dated September 2004, as revised by One amendments, hereinafter referred to as the "Grant Agreement", and;

3. Whereas, the authorized and specified activities which comprise the project have been completed by the Grantee and/or other participating parties, as required by the Grant Agreement, and;

4. Whereas, the Grant Agreement requires compliance with 24 CFR Part 84 or 85, as applicable, which includes requirements continuing after Project completion related to use and disposition of real or personal property purchased with Federal funds, retention of and access to records after close-out dis-allowances of Grant payments, and collection of amounts due;

5. Whereas, the parties hereto desire to close-out the project in reliance upon: 1) Grantee's final progress/performance report including financial data and a performance/narrative report; and 2) the Grantee's Certificate of Project Completion.

Now therefore, in consideration of the mutual covenants, promises and representations contained herein, the parties hereto agree as follows:

Section A. The Grantee shall continue to comply with the applicable requirements of 24 CFR Part 84 or 85, as applicable, related to the use and disposition of real or personal property purchased with Federal funds, retention of and access to records, after close-out dis-allowances of grant payments, and collection of amounts due.

Section B. The Grantee agrees to the Total Grant Amount for the Project, including any reduction in the grant amount caused by a decrease in cost, as indicated on the Grantee's Certificate of Project Completion attached hereto and made a part hereof;

Section C. Any excess grant funds drawn by the Grantee, in the amount specified in Line 5 of the Certificate of Project Completion shall have been or shall be returned immediately to HUD under the following repayment terms:

_____
_____
_____
_____

Section D. Any grant funds remaining in the Grantee's Line of Credit account for the referenced Project have been reduced to zero (0) pending any final draw indicated as a positive balance on line 7 of the Certificate of Project Completion. Grantee shall draw down this balance within the following period _____ or Credit to zero (0) and the Grantee shall have waived its rights to the remaining funding.

Section E. Execution of this Agreement shall constitute completion of the Project activities and financial closeout of project costs, except for ongoing requirements described in Section A of this Close-out Agreement. This Close-out Agreement shall be followed as required by the Program directives cited therein and the following additional post close-out requirements shall be followed as committed to in the approved application which was incorporated in the Grant Agreement:

_____
_____
_____
_____

Section F. If any provision of this Agreement is held invalid, such holding shall not affect the validity of the remainder of this Agreement.

Section G. If a default occurs under this Agreement or under the Grant Agreement, HUD may at any time proceed to protect all rights available to HUD under this Agreement or under default provisions of the Grant Agreement.

Section H. Special Conditions required by this Agreement are attached:

_____
_____
_____
_____

This Grant Close-out Agreement is hereby executed and delivered by the parties hereto on the dates set forth below their respective signatures and the Grantee agrees to abide by all governing regulations as of the date executed by HUD.

Grantee's Authorized Official

Name: RANDALL H. REID, COUNTY MANAGER

Signature:

Title:

Date: 1/24/08

APPROVED AS TO FORM

ALACHUA COUNTY ATTORNEY

HUD's Authorized Official

Name: Francis P. McNally

Signature:

Title: Director

Date: 3/14/08

(DATE OF EXECUTION OF AGREEMENT)

Alachua County Environmental Protection Department

Fax

To:	Herbert Mallette	**From:**	Sean McLendon 352 264 6802
Fax:	202 708 7543	**Pages:**	2
Phone:	202 708 1686 ext 4885	**Date:**	8/29/07
Re:	B-02-SP-FL-01 27	**cc:**	

☐ **Urgent** x **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

• **Comments:** Herb, the first and final draw to our EDI project is here. Later today, our F&A Department will route the funds from the LOCS system.

Thanks again for all your help these past few years. If there is anything else we need to send you please don't hesitate to contact me.

FINANCIAL STATUS REPORT

(Short Form)
(Follow instructions on the back)

1. Federal Agency and Organizational Element to Which Report is Submitted	2. Federal Grant or Other Identifying Number Assigned By Federal Agency	OMB Approval No.	Page	of
HUD Administering Office CPD, EDI Special Project Division	B-02-SP-FL-0127	0348-0039		pages

3. Recipient Organization (Name and complete address, including ZIP code)
Alachua County, 12 SE First Street Gainesville, FL 32601

4. Employer Identification Number	5. Recipient Account Number or Identifying Number	6. Final Report	7. Basis
EIN: 59-600050 1		☒ Yes ☐ No	☐ Cash ☐ Accrual

8. Funding/Grant Period (See Instructions) From: (Month, Day, Year)	To: (Month, Day, Year)	9. Period Covered by this Report From: (Month, Day, Year)	To: (Month, Day, Year)
07/20/2007	01/20/2008	07/20/2007	08/29/2007

10. Transactions	I Previously Reported	II This Period	III Cumulative
a. Total outlays			100,000.00
b. Recipient share of outlays			0.00
c. Federal share of outlays			100,000.00
d. Total unliquidated obligations			
e. Recipient share of unliquidated obligations			
f. Federal share of unliquidated obligations			
g. Total Federal share (Sum of lines c and f)			100,000.00
h. Total Federal funds authorized for this funding period			100,000.00
i. Unobligated balance of Federal funds (Line h minus line g)			

11. Indirect Expense	a. Type of Rate (Place "X" in appropriate box) ☐ Provisional ☐ Predetermined ☐ Final ☐ Fixed			
	b. Rate	c. Base	d. Total Amount	e. Federal Share

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation.
Alachua County requests a first and final draw on all available funds. Thank you for all your help these past years!

13. Certification: **I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.**

Typed or Printed Name and Title	Telephone (Area code, number and extension)
Sean McLendon, Program Coordinator	352 264 6802
Signature of Authorized Certifying Official	**Date Report Submitted**
Sean McLendon	8/29/2007

Standard Form 269A (REV 4-88)
Prescribed by OMB Circulars A-102 and A-110