

TIMBER INVENTORY & MARKET ANALYSIS

CLIENT *Alachua County Parks & Conservation Lands*

PROPERTY *Lochloosa Slough Connector*

LOCATION *Alachua County, Florida*

REPORT DATE *February 21, 2020*



PROPERTY OF WEYERHAEUSER
+/- 2,187.1 INVENTORY ACRES
EFFECTIVE DATE: FEBRUARY 3, 2020



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Gainesville, Florida 32653

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June 18, 2021

Alachua County Parks and Conservation Lands
c/o Mr. Charlie Houser
408 West University Ave., Suite 106
Gainesville, FL 32601

RE: Timber Market Analysis – Lochloosa Slough Connector located in Alachua County, FL
F&W Project # 20-2918

Dear Mr. Houser,

Enclosed is the timber market analysis and supporting timber inventory report for the sampled portion of the Lochloosa Slough Connector. The market analysis consists of 5 pages and the timber inventory report consists of 44 pages. Whereas the information in this report is considered reliable for its intended use it is not guaranteed. It is not to be used for any other purpose other than the purpose identified in this report. If you have any questions, please do not hesitate to call. Thank you for using our services.

Sincerely,

Bryan Croft, ACF, CF, RF
Regional Manager

August 31, 2020
Timber Market Analysis
Lochloosa Slough Connector
Weyerhaeuser Company

Merchantable Timber

The table below is our estimate of the merchantable timber volume and value of the sampled portion of the Lochloosa Slough Connector owned by Weyerhaeuser Company known as F&W Tract number 17738 found in Alachua County, Florida. The timber is valued as of August 31, 2020. The volumes reported in this market analysis are reported in F&W's February 21, 2020 timber inventory report. This value is subject to the same assumptions and limiting conditions, statistical variation, and opinions contained in the timber inventory report. The purpose of the valuation is to establish an estimate of the fair market value of the timber to be used in an appraisal of the property. This market analysis does not represent a full appraisal of the bare land and timber.

Merchantable Product	Tons	Price/Ton	Total
Pine Pulpwood w/ tops	29,892	\$ 15.00	\$ 448,380
Pine Small Sawtimber	14,676	\$ 22.00	\$ 322,872
Pine Large Sawtimber	4,280	\$ 28.00	\$ 119,840
Hard Hardwood Pulpwood w/ tops	2,012	\$ 0.50	\$ 1,006
Soft Hardwood Pulpwood w/ tops	541	\$ 0.50	\$ 271
Total	51,401		\$ 892,369

The merchantable unit prices take into account market data from regional timber sales for the period April 2020 to September 2020. During this same period F&W had seven market timber sales within the region. The report pricing used is adjusted if necessary, based on my opinion of the timber market, property factors, and my experience and knowledge.

Pine Pulpwood

There were five market sales during the sale selection period with a high of \$18.15 per ton to a low of \$11.15 per ton for pine pulpwood. The average of these sales is \$15.10 per ton and the median is \$15.02 per ton. Timber Mart South is reporting an average of \$14.76 per ton for the region for the 3rd quarter of 2020. I reconciled pine pulpwood to \$15.00 per ton and this falls within the range of available sales in the marketplace.

Pine Small Sawtimber

There were six market sales during the sale selection period with a high of \$25.74 per ton and a low of \$21.00 per ton for pine small sawtimber. The average of these sales is \$24.15 per ton and the median is \$24.96 per ton. Timber Mart South is reporting an average of \$21.73 per ton for the region for 3rd quarter 2020. I reconciled small sawtimber to \$22.00 per ton and this falls within the range of available sales in the marketplace.

Pine Large Sawtimber

There were four market sales during the sale selection period with a high of \$32.00 per ton and a low of \$25.74 per ton for pine large sawtimber. The average of these sales is \$28.88 per ton and the median is \$28.88 per ton. Timber Mart South is reporting an average of \$28.35 per ton for the region for 3rd quarter 2020. I reconciled large sawtimber to \$28.00 per ton and this falls within the range of available sales in the marketplace.

Hardwood Pulpwood

There were four sales during the sale selection period with a high of \$8.50 per ton and a low of \$1.00 per ton for hardwood pulpwood. The average of these sales is \$5.75 per ton and the median is \$6.75 per ton. Timber Mart South is reporting an average of \$7.42 per ton for the region for 3rd quarter 2020. I reconciled hardwood pulpwood to \$0.50 per ton due to the additional haul distance required to access a hardwood accepting pulpwood mill. F&W's timber sales in Putnam County have not seen any hardwood harvested from them even through pricing was provided as part of the timber sale agreement. Georgia Pacific in Palatka Florida no longer utilizes hardwood for their pulping processes which has closed a market for hardwood pulpwood in this region. Hardwood in this region is now commonly utilized as either fuelwood or blended mulch. These products typically bring lower stumpage pricing in the marketplace.

Premerchantable Timber

Our estimate of the pre-merchantable timber value of the sampled portion of the Weyerhaeuser Company Lochloosa Slough Connector is enclosed. The total value of the premercahatable timber is \$1,315,217. This value is estimated by using the projected age 15 volumes from the timber inventory report to calculate the annual value growth in addition to the base value recognized by the market for stand establishment. This methodology is used to calculate the value per acre for similar land type and species. The value per acre is then multiplied by the total acreage for each of these land types and species found on the property.

Total Timber Value

The total estimated value of the timber is \$2,207,585 or \$1,009 per acre and rounded to \$2,208,000 based on total tract acres of 2,187.1. This value is based on the combined value of the premerchantable and merchantable timber.

Premerchantable Planted Pine Valuation
 Alachua County Parks & Conservation Lands - Lochloosa Slough Connector
 Alachua County, FL
 Anniversary Date: January 1, 2020
 Effective Date: August 31, 2020

Tract	Type	Year	Acres	Age (Years)	Age 15 Volume (Tons/Acre)	Percent Pulpwood @ Age 15	Stumpage Price (\$/Ton)	Base Value (\$/Acre)	Average Annual Growth	Value Per Acre	Total Value
17738	PLLB	2016	52.78	4	99.5	74.0%	\$ 16.82	\$ 250.00	\$ 94.91	\$ 629.62	\$ 33,232
17738	PLLB	2015	188.10	5	109.4	79.5%	\$ 16.44	\$ 250.00	\$ 103.20	\$ 766.00	\$ 144,084
17738	PLLB	2013	313.07	7	111.4	79.7%	\$ 16.42	\$ 250.00	\$ 105.29	\$ 987.01	\$ 309,002
17738	PLLB	2012	256.08	8	108	78.1%	\$ 16.53	\$ 250.00	\$ 102.37	\$ 1,068.97	\$ 273,741
17738	PLLB	2011	389.85	9	82.9	83.3%	\$ 16.17	\$ 250.00	\$ 72.69	\$ 904.25	\$ 352,520
17738	PLLB	2010	89.56	10	130.3	80.1%	\$ 16.39	\$ 250.00	\$ 125.73	\$ 1,507.34	\$ 134,997
17738	PLLB	2008	69.92	12	71.2	84.2%	\$ 16.11	\$ 250.00	\$ 59.78	\$ 967.40	\$ 67,640
Total			1359.4							Total	\$ 1,315,217

Notes:

- (1) Anniversary Date is the day that annual growth is added.
- (2) Age is given in annual time periods.
- (3) Age 15 volume estimates are predicted from: PRISM 3.0.1
- (4) Stumpage price is estimated by blending the pulpwood and small sawtimber reconciled prices using product mix.
Pulpwood price is \$15 per Ton and Small Sawtimber price is \$22 per Ton.
- (5) Age 15-year Stumpage = Age 15-year Volume (tons per acre) X Stumpage Price
- (6) Base Value is the value that the market generally attributes to stand establishment
- (7) Average Annual Growth = (Age 15-year stumpage - Base Value) / 15
- (8) Value per Acre = Average Annual Growth x Age + Base Value
- (9) Total Value = Value per Acre x Acres
- (10) Total Value represents investment value rather than liquidation value.
- (11) The values are calculated using the numbers to the precision that they are displayed.

Alachua County Parks & Conservation Lands										
Timber Sale Data for Lochloosa Slough Connector										
Effective Date: August 31, 2020										
Sale ID	Region	County	Sale Date	Seller Type	Acreage	Product Species	Product Category	Volume	Unit Price(\$)	
9583	Northeast	Dixie	05/19/2020	F&W	274.39	Pine	Pulpwood	9,743	\$	15.02
9588	Northeast	Dixie	06/09/2020	F&W	144.13	Pine	Pulpwood	2,883	\$	11.15
9613	Northeast	Putnam	09/08/2020	F&W	147.80	Pine	Pulpwood	2,058	\$	16.70
9555	Northeast	Putnam	06/17/2020	F&W	206.20	Pine	Pulpwood	5,025	\$	14.50
9575	Northeast	Hamilton	04/23/2020	F&W	160.80	Pine	Pulpwood	10,737	\$	18.15
Average									\$	15.10
Median									\$	15.02
Price Reporting Service 3rd Quarter Avg.									\$	14.76
Reconcile									\$	15.00
9583	Northeast	Dixie	05/19/2020	F&W	274.39	Pine	Small Sawtimber	4,533	\$	25.74
9588	Northeast	Dixie	06/09/2020	F&W	144.13	Pine	Small Sawtimber	2,436	\$	23.55
9613	Northeast	Putnam	09/08/2020	F&W	147.80	Pine	Small Sawtimber	788	\$	25.52
9555	Northeast	Putnam	06/17/2020	F&W	206.20	Pine	Small Sawtimber	6,191	\$	21.00
9575	Northeast	Hamilton	04/23/2020	F&W	160.80	Pine	Small Sawtimber	1,723	\$	24.96
9608	Northeast	Duval	08/18/2020	F&W	106.00	Pine	Small Sawtimber	4,162	\$	22.07
Average									\$	24.15
Median									\$	24.96
Price Reporting Service 3rd Quarter Avg.									\$	21.73
Reconcile									\$	22.00
9583	Northeast	Dixie	05/19/2020	F&W	274.39	Pine	Large Sawtimber	124	\$	25.74
9613	Northeast	Putnam	09/08/2020	F&W	147.80	Pine	Large Sawtimber	161	\$	32.00
9555	Northeast	Putnam	06/17/2020	F&W	206.20	Pine	Large Sawtimber	2,178	\$	29.00
9608	Northeast	Duval	08/18/2020	F&W	106.00	Pine	Large Sawtimber	3,659	\$	28.76
Average									\$	28.88
Median									\$	28.88
Price Reporting Service 3rd Quarter Avg.									\$	28.35
Reconcile									\$	28.00
9583	Northeast	Dixie	05/19/2020	F&W	274.39	Hardwood	Pulpwood	38	\$	7.50
9555	Northeast	Putnam	06/17/2020	F&W	206.20	Hardwood	Pulpwood	2,551	\$	1.00
9575	Northeast	Hamilton	04/23/2020	F&W	160.80	Hardwood	Pulpwood	375	\$	8.50
9608	Northeast	Duval	08/18/2020	F&W	106.00	Hardwood	Pulpwood	1,863	\$	6.00
Average									\$	5.75
Median									\$	6.75
Price Reporting Service 3rd Quarter Avg.									\$	7.42
Reconcile									\$	0.50



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February 21, 2020

Alachua County Parks & Conservation Lands
Attn: Mr. Scott Crosby
408 West University Ave. Suite 106
Gainesville, FL 32601

RE: Timber Inventory of the Lochloosa Slough Connector located in Alachua County, FL
(F&W Project # 20-2770)

Dear Mr. Crosby:

As requested, we have inventoried select portions of the Lochloosa Slough Connector owned by Weyerhaeuser on behalf of the Alachua County Parks and Conservation located in Alachua County, Florida for merchantable timber volumes, trees per acre, and basal area per acre effective February 3, 2020. Tract level effective dates, statistical, and sampling information are included in Appendix A. The purpose of this inventory is to provide merchantable timber volume per acre, trees per acre, basal area per acre, and premerchantable age 15 timber volume estimates. The product specifications and timber type groups used for the inventory are included.

The inventory is based on 89 merchantable samples systematically established over 827.7 acres, for an average of 9.3 acres per sample. This sampling intensity resulted in a mean of 60.9 tons per acre \pm 5.3% at a 95% confidence level, 83.9 ft² basal area per acre \pm 5.4% at a 95% confidence level, and 229 trees per acre \pm 7.9% at a 95% confidence level for the merchantable portion of the tract. The premerchantable acres are 1,359.36 and received 130 inventory samples for an average of 10.45 acres per sample. This sampling intensity resulted in a mean number of trees per acre of 488. Stand level reporting is provided in the Appendix A however, inventories with high acres to samples ratio and minimum samples, such as this, has a greater probability of falling outside the statistical precision then indicated by the confidence interval.

The data found in this report represents all of the merchantable and premerchatable timber found on the selected areas of the Lochloosa Slough Connector. While we did not observe any active harvesting prior to the effective date of the inventory, we did observe a clear cut harvest being conducted in stand 5.0 (PLSL 1997) on a post inventory inspection of the property on February 14, 2020.

Whereas the information in this report is considered reliable for its intended use it is not guaranteed. It is not to be used for any other purpose other than the purpose described in the scope of work as a check cruise. If you have any questions, please do not hesitate to call. Thank you for using our services.

Sincerely,

Bryan Croft ACF, RF, CF
Gainesville Regional Manager

EXECUTIVE SUMMARY

Client:	Alachua County Parks & Conservation Lands
Property Name:	Lochloosa Slough Connector
Location:	Alachua County, Florida
Area:	2,187.1 Acres
Effective Date:	February 3, 2020

Land

Timbered

Upland	4.82	Acres
Lowland	2,182.28	Acres
Bottomland	-	Acres
Slope	-	Acres
Old Field	-	Acres
Total	2,187.10	Acres

Non-Timbered

Water	-	Acres
Road	-	Acres
Utility	-	Acres
Other	-	Acres
Total	-	Acres

Total Land 2,187.10 Acres

Premerchtable Timber

Year of Origin	Age	Planted Pine		Natural Pine		Planted Hardwood		Natural Hardwood	
		Acres	Tons @ Age 15	Acres	Tons @ Age 15	Acres	Tons @ Age 15	Acres	Tons @ Age 15
2019	0	-	-	-	-	-	-	-	-
2018	1	-	-	-	-	-	-	-	-
2017	2	-	-	-	-	-	-	-	-
2016	3	52.78	99.5	-	-	-	-	-	-
2015	4	188.10	109.4	-	-	-	-	-	-
2014	5	-	-	-	-	-	-	-	-
2013	6	313.07	111.4	-	-	-	-	-	-
2012	7	256.08	108.0	-	-	-	-	-	-
2011	8	389.85	82.9	-	-	-	-	-	-
2010	9	89.56	130.3	-	-	-	-	-	-
2009	10	-	-	-	-	-	-	-	-
2008	11	69.92	71.2	-	-	-	-	-	-
2007	12	-	-	-	-	-	-	-	-
2006	13	-	-	-	-	-	-	-	-
2005	14	-	-	-	-	-	-	-	-
Total /Weighted Avg.		1359.36	101.0	0.00		0.00		0.00	

Total Premerchtable Area	1,359.36	Acres
Total Merchantable Area	827.74	Acres
Total Cutover Area	-	Acres
Total Site Prepared Not Planted Area	-	Acres
Total Other Area	-	Acres
Total Tract Area	2,187.10	Acres

Merchantable Timber

Species	Product	Quantity	Unit
Pine			
	Pulpwood (w/tops)	29,892	Tons
	Small Sawtimber	14,676	Tons
	Large Sawtimber	4,280	Tons
	Total Pine	48,848	Tons
Hard Hardwood			
	Pulpwood (wo/tops)	2,012	Tons
	Total Hard Hardwood	2,012	Tons
Soft Hardwood			
	Pulpwood (wo/tops)	541	Tons
	Total Soft Hardwood	541	Tons
Grand Total		51,401	Tons

For more detailed volume information see the "Volume Summary" section of this report.



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INTRODUCTION

OBJECTIVE

The objectives of this inventory are to:

- ✦ estimate merchantable timber volumes and pre-merchantable stand & stock;
- ✦ verify forest types and land uses;
- ✦ verify the acres of various forest types and land uses;
- ✦ estimate the age 15 volumes for the pre-merchantable planted pine stands; and
- ✦ report statistical accuracy on the mean tons per acre, trees per acre, and basal area per acre estimate at the 95% confidence level / average one plot per 10 acres.
- ✦ Provide Forest Management Data in Excel format which includes, trees per acre, total basal area, total tons per acre, and stand and stock data

FUNCTION

The function of this inventory is to provide timber volume and stand & stock information for the inventoried portion of the Lochloosa Slough Connector Tract in Alachua County, Florida.



METHODOLOGY

INVENTORY DESCRIPTION

EFFECTIVE DATE OF THE INVENTORY

The inventory is effective as of February 3, 2020.

DATA COLLECTION DATE

The inventory began on January 22, 2020 and was completed on February 3, 2020.

INVENTORY PERSONNEL

The inventory was carried out by: Aaron Smith (#760). Bryan Croft (#521) is the project manager for this inventory.

INVENTORY DESIGN

MERCHANTABLE TIMBER

Definition, Sample Numbers, Intensity, Type, Size and Grid

Merchantable stands, both natural and planted, are defined as those greater than or equal to 15 years of age as of February 3, 2020. A total of 89 BAF 10 Variable Plot Radius type samples were placed on the property. Samples were located on a rectangular grid measuring 10 chains-by-10 chains (1 chain = 66 feet), resulting in one sample per 9.3 acres. A detailed description of the cruise intensity and other specifications are provided in Appendix B. All field data is identified by individual plot number and was recorded individually onto hand held data recorders (HDRs).

Sample Data Collected

- (1) On every plot the following measurements were recorded: species, product, and DBH. Tree diameters were tallied to the nearest 1-inch diameter class (e.g., 5" class = 4.6 to 5.5).
- (2) On every 2nd plot merch height (for large sawtimber trees only) and total height were assigned.
- (3) All trees in the 4.6-inch diameter class and larger were measured (≥ 1.6 inches).

Tree Grades

No small or large pole quality trees were graded as part of this inventory.

No hardwood grades were reported for this inventory.

PREMERCHANTABLE TIMBER

Definition, Sample Numbers, Intensity, Type, Size, and Grid

Premerchantable stands, both planted and natural, are defined as stands less than 15 years of age as of February 3, 2020. A total of 130 samples were placed over this type class using a 1/40th acre fixed radius plot type. Samples were located on a rectangular grid measuring 10 chains-by-10 chains (1 chain = 66 feet), resulting in one sample per



10.45 acres. A detailed description of the cruise specifications are provided in Appendix B. All field data is identified by individual plot number and was recorded individually onto hand held data recorders.

Sample Data Collected Between the Ages of 0 and 9

On every plot the following measurements were recorded: species, product, and number of pine crop trees. Crop trees are defined as trees selected for future commercial harvest which match the stand description and are deemed by the cruiser as a planted tree on the bed. No volunteer trees were tallied.

Sample Data Collected Between the Age of 10 and 14

These stands were tallied in the same manner as merchantable stands by taking diameter and measuring heights.

CRUISE INSTRUCTIONS

A copy of the cruise instructions provided to the field foresters is included in Appendix B.

PLOT MONUMENTING

All plots were marked with flagging at eye level and the actual center point on the ground, with the plot and cruiser numbers written on eye level flagging. GPS units were used to determine plot placement. In the event plots were not marked in the field, they were noted on individual forester's cruise maps.

ACREAGE DETERMINATION

Tract Acres

Tract acres are a result of F&W Forestry Services mapping and management of the stands database of the Lochloosa Slough Connector and adjusted to the total acreage provided by the Alachua County Parks & Conservation Lands in the scope of work.

Stand Acres

The acreages of the individual stands were calculated as follows:

- (1) Initial estimates of the stand acreages were obtained by the use of F&W's GIS system applied to the stand boundaries on the type map.
- (2) These initial acreages were then summed and the difference between the total of the stand acres and the total tract acreage was calculated.
- (3) This acreage difference was then allocated to each of the stands proportionately based on the stand's size.

PRODUCT SPECIFICATIONS

Product specifications were provided by the Alachua County Parks & Conservation Lands. Timber in this region is commonly traded in tons. Cord conversion used for pine is 5,600 lbs and 6,000 lbs for hardwood.



DATA PROCESSING

DATA ORGANIZATION

Sampled Stands

Samples were entered into the inventory database by the compartment and stand in which they fell. Strata specific height regressions were calculated based on the entire ownership.

Unsampled Stands

Stand volumes were predicted in stands that did not receive plots during the inventory. These volumes were averaged from similar stands on the tract.

VOLUME AND WEIGHT CALCULATIONS

Volumes were calculated using published volume equations appropriate for the species and physiographic region, if available. If appropriate equations were not available for the particular species and physiographic region, equations for similar species and physiographic regions were substituted.

GROWTH

Growth was not sampled as part of this inventory.

MORTALITY

Mortality was estimated using published mortality equations.

VOLUME PROJECTIONS FOR PREMERCHANTABLE STANDS

OBJECTIVE

Develop age 15 volume estimates for premerchantable-planted pine stands for the inventoried portion of the Lochloosa Slough Connector, Alachua County, Florida.

PROCESS

General Information

Sampled information for the premerchantable stands was processed with our volume processing system to generate current stock and stand tables and volume information by stand. The information for planted pine stands was then organized into operating areas by age class (listed in following table) for reporting purposes.



TABLE 1. AGE CLASS AND ACRES

Age Class	Acres
2019	-
2018	-
2017	-
2016	52.78
2015	188.10
2014	-
2013	313.07
2012	256.08
2011	389.85
2010	89.56
2009	-
2008	69.92
2007	-
2006	-
Total	1,359.36

The following parameters were defined in F&W Forestry Services' Plantation Response Simulator (*PRSim*) Version 3.0.1 growth-and-yield model to project age 15 volumes for the premerchantable pine stands.

TABLE 2. REGIONAL AND SPECIES SPECIFICATIONS USED IN PRSIM

Input Parameters	Responses
Species	Loblolly or Slash Pine
Region	Lower Coastal Plain

Product Specifications

The following product specifications were defined in *PRSim* to project age 15 volumes for the premerchantable pine stands:

TABLE 3. PRODUCT SPECIFICATIONS USED IN PRSIM

Product Class	Minimum DBH (inches)	Top Diameter (inches)
Small Sawtimber	8.6	6.0
Pulpwood	4.6	2.5



Product Allocation

The percentage of trees within a diameter class that met the product requirements as defined by the cruise instructions was analyzed. The product allocation table used in *PRSim* is presented below.

TABLE 4. PRODUCT ALLOCATION BY DBH USED IN PRSIM

DBH	% of Total Stems		
	Pulp	Small Sawtimber	Large Sawtimber
4	100	0	0
5	100	0	0
6	100	0	0
7	100	0	0
8	100	0	0
9	60	40	0
10	55	45	0
11	50	50	0
12	50	0	50
13	40	0	60
14	35	0	65
15	20	0	80
16	15	0	85
17-40	15	0	85

Stands Between Ages 10 and 14

In the stands between ages 10 and 14, the sample data collected was similar to the data collected during the merchantable timber inventory. Inventory data, stock and stand tables, and stand history were incorporated into *PRSim*. The site quality (base age 25) was calculated by *PRSim* for each stand. Age 15 volumes were then projected based on this information.

Site History Data

The management history of individual stands was entered into *PRSim*. If recorded history data was not available, a standard set of forest management practices for the stand's age class and region were used. The standard regional silvicultural histories are management practices F&W Forestry commonly observes by age class. History data entered into *PRSim* includes mechanical and chemical site prep, seedling source and generation, fertilizer and herbicide application, and woody and herbaceous competition.

Base Site Index Calculation

Base site index is calculated from cruised height data and site history. Expected growth responses from past cultural treatments are subtracted from the average dominant height of the current stand.

Stands Between Ages 0 and 9

Calculated base site indices for planted pine stands ages 10 to 25 were used to calculate an average site index weighted by acres. For stands between the ages of 0 and 9, the weighted site index, stand age, cultural history and stem count were used as inputs in *PRSim*. Age 15 volumes were then projected based on this information.



PROPERTY DESCRIPTION

TRACT LOCATION AND ACREAGE

The Lochloosa Slough Connector (F&W Tract # 17738) is located in Alachua County, Florida. The sampled portion of this property contains a total of 2,187.1 acres. Total tract acres used in this report were obtained from client records.

TOPOGRAPHY & DRAINAGE

The property is located within the lower coastal plain physiographic region. Below is a chart listing the land types, acres, and percent of acres.

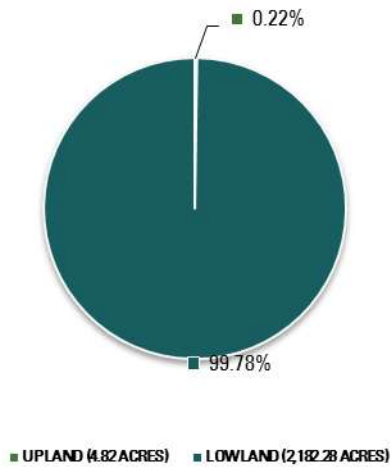


FIGURE 1. AREA BY LAND TYPE

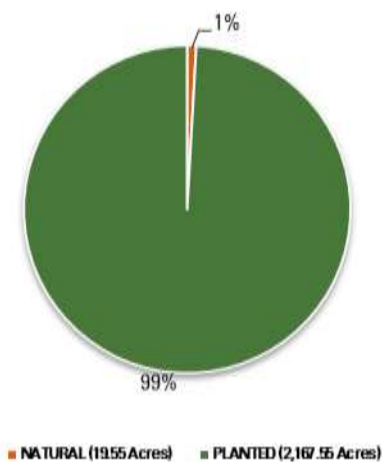


FIGURE 2. TIMBERLAND AREA BY STAND ORIGIN



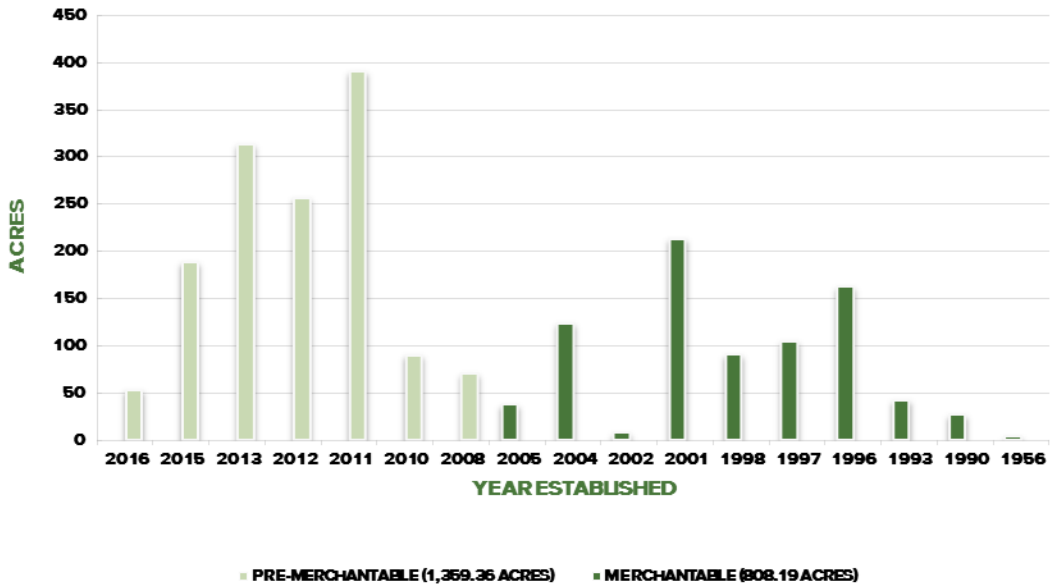


FIGURE 3. DISTRIBUTION OF PLANTED PINE ACRES BY ESTABLISHMENT YEAR



ASSUMPTIONS AND LIMITING CONDITIONS

No responsibility is assumed for matters legal in character nor is any opinion rendered as to title.

Whereas the information in this report is considered to be reliable to the best knowledge of the forester, it is not guaranteed.

Possession of this report, or any copy thereof, does not carry with it the right of publication, reproduction, and/or the right to use in court nor may it be used by anyone other than the addressee for any purpose whatsoever without the expressed written consent of the forester.

The forester, by reason of this inventory report, is not required to give testimony or attendance in court with reference to the property described herein, unless prior written consent and arrangements have been made.

Neither all nor any part of the contents of this report or copy thereof, shall be conveyed to the public through advertising, public relations, news, sales, or other media, without the written consent and approval of the author, particularly as to volumes and acres, the identity of the forester, or the firm with which he is connected.

The volumes, weights, and tree counts contained herein are based on sample points placed across the property and expanded, using published weight and volume equations, to estimate the volume for the entire property. The volumes, acreages, and other information can vary from actual for statistical reasons, weight variances from published equations, form difference from published equations, changes in markets, the mill to which the products are delivered, the logger that harvests the trees, or other reasons.

The actual variability in volume may be greater than that expressed by the reported statistical accuracy for reasons such as non-sampling coverage error. Non-sampling coverage error is a non-sampling error that arises because of a failure to include some units, or entire sections, of the defined survey population in the actual sampling frame. The likelihood for such additional variation increases as the total number of samples decreases and/or the acres per plot ratio increases. There is no statistical formula to quantify this variability; however, such additional variability is inherent in all timber inventory estimates.

Rounding differences between reporting programs may result in minor volume differences between the executive summary, volume, and other reports.

The tract acreages and tract boundaries relied upon in this inventory report are believed to be from reliable sources; however, the tracts were not surveyed, and it was necessary to rely on information furnished by others as to said data; therefore, the volumes, acreages, and other information reported are subject to the correctness and verification of said data.

The individual stand acreages in this report are based on polar planimetry, digitizing, or calculated by a GIS system, and then conformed to the reported tract acreages or other sources and are believed to be reliable; however, the individual stands were not surveyed and the boundaries of stands were mapped from field pacing or aerial photographs and are subject to pacing errors, scale errors, or photo interpretation errors.

The designations of stand origin, land type, dominant and secondary species, year of origin, and other land class designations are based on field observations or on information provided by others and are believed to be reasonably accurate; however, it is not possible to visit all stands or all parts of any stand, and the designations are our



estimates of the stand characteristics based on those portions of the stand observed, on aerial photograph observations, or other sources.

The forester has visually inspected, as far as possible, the land and timber; however, it was not possible to personally observe conditions beneath the soil or hidden defects or foreign material in the timber. Therefore, no representations are made herein as to those matters, and unless specifically considered in this report, the volumes and acreages reported are subject to any such conditions that would cause a change in volumes or acreages.

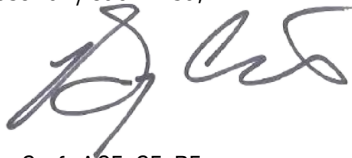


CERTIFICATION

We certify that, to the best of our knowledge and beliefs,...

- ✦ The statements of fact contained in this report are true and correct.
- ✦ The reported analyses, opinions, and conclusions are limited only by the reported assumptions and limiting conditions, and is our personal, unbiased professional analyses, opinions, or conclusions.
- ✦ We have no present or prospective interest in the property that is the subject of this report, and have no personal interest or bias with respect to the parties involved.
- ✦ An F&W field forester has made a personal inspection of the property that is the subject of this report.
- ✦ No one provided significant professional assistance to the undersigned other than employees of F&W Forestry Services, Inc. and contractors engaged by F&W Forestry Services, Inc.

Respectfully submitted,



Bryan Croft ACF, CF, RF
Gainesville Regional Client Manager



Bryan Croft

EDUCATION

Graduated with a Bachelor of Science degree in Forest Resources and Conservation from the University of Florida in 2006. Croft received his Masters of Business Administration from Jacksonville University in 2010.

EMPLOYMENT

2005 – Summer Internship, Rayonier Inc., Waycross, Georgia

2006-2011 – Forester, F&W Forestry Services Inc., Gainesville, Florida

2011-2012 – Field Supervisor, F&W Forestry Services, Inc., Gainesville, Florida

2012-2017 – Client Manager, F&W Forestry Services, Inc., Gainesville, Florida

2017 – Present – Client Manager/Regional Manager, F&W Forestry Services, Inc. Gainesville, FL

REGISTRATIONS/CERTIFICATIONS

Association of Consulting Forester, Georgia Register Forester # 2918 ; SAF Certified Forester# 150309; Tree Farm Inspector #143032; Remote Pilot #3995465, F&W Forestry Services Certified Timber Cruiser

AFFILIATIONS

Member of Society of American Foresters; Member of Xi Sigma Pi, National Forestry Honor Society; Member of Florida Forestry Association; Member of Georgia Forestry Association; Member of Association of Consulting Foresters



Aaron Smith

EDUCATION

Graduated with a Bachelor of Science degree in Forest Resources and Conservation from the University of Florida in 2019.

EMPLOYMENT

2018 – Summer Intern, Florida Forest Service, Gainesville, FL

2019 – Summer Intern, F&W Forestry Services, Inc., Gainesville, FL

2020 – Present – Forester, F&W Forestry Services, Inc., Gainesville, Florida

REGISTRATIONS/CERTIFICATIONS

S-130/L-180/S-190 Basic Wildland Firefighter Training, F&W Forestry Services Certified Timber Cruiser



APPENDICES



APPENDIX A: SUMMARY OF TRACT LEVEL STATISTICS ON MERCHANTABLE VOLUME

Summary of Tract Level Statistics on Merchantable Volume

Tract	Start Date	Effective Date	Merch Acres	# Plots	Mean (tons/acre)	Statistical Accuracy ¹
17738	1/22/2020	2/3/2020	827.70	89	60.90	5.3

¹ Statistical accuracy is based on a 95% confidence interval.

APPENDIX B: CRUISE INSTRUCTIONS

CRUISE INSTRUCTIONS : FORM I - 4

Job # 20-2770	Date 1/20/2020
Tract(s) 17738	Client Alachua County
Purpose Check Cruise	

CRUISE SPECIFICATIONS									
Strata type	Ages	Grid Line*Plot	Plot Type	Plot Size BAF/Acre	Min. DBH		Radial Growth	Intensive Plot Meas. Freq.	Duel Plots
					Pine	Hwd			
Planted Pine	0-9	10x10	FIXED	1/40th	ALL	ALL	NO	STEM COUNT	NO
Planted Pine	10-14	10x10	FIXED	1/40th	2"	2"	NO	2 nd	NO
Planted Pine	15+	10x10	BAF	10	4.6"	5.1"	NO	2 nd	NO
Natural Merch	15+	10x10	BAF	10	4.6"	5.1"	NO	2nd	NO
Natural Mixed Pine/Hdwd									
Natural Mixed Pine/Hdwd									

	F & W Standard	Non-Standard (Attached)
Mapping Codes	x	
Species Codes	x	
Product Specifications		x

Required Forms	
Tract Inspection Form	None
ESA Forms	None
Other	None

***** Do Not Inventory *****	
Cypress Heads/Ponds	X
15-19 Yr-Old Sm. Sawtimber	
Cutover Hardwood < Age 20	X
SMZ	X
Other	

Inventory the Following Species, Product and Grade Combinations

Product	Grade	100	200	300	400	500	600
4		x				x	x
1		x					x
2		x					
2	4						
3		x				x	x
3	1						
3	2						
3	4						
3	5						
3	6						
9							

***** Special Instructions *****

Total height on Hardwood to 4" top.
 Total height on Pine to tip.



FIELDS TO ENTER ON HDR

MEASUREMENTS FOR EVERY PLOT											
Species	Product	Grade	DBH	Merch Height	Total Height	Crown Class	Radial Growth	Age	No. Trees	Damage	Condition
100	x		x					X	X		
300											
500	x		x					X	X		
600	x		x					X	X		

MEASUREMENTS FOR HEIGHT PLOTS											
Species	Product	Grade	DBH	Merch Height	Total Height	Crown Class	Radial Growth	Age	No. Trees	Damage	Condition
100	x		x	x	x			X	X		
300											
500	x		x	x	x			X	X		
600	x		x	x	x			X	X		

MEASUREMENTS FOR HEIGHT AND GROWTH PLOTS											
Species	Product	Grade	DBH	Merch Height	Total Height	Crown Class	Radial Growth	Age	No. Trees	Damage	Condition

Additional Instructions

***** Tally heights on all trees for species not well represented in the inventory (i.e. hardwoods in a pine plantation) *****



APPENDIX C: PRODUCT SPECIFICATIONS

Lochloosa Slough Connector (F&W Job# 20-2770)

PINE PRODUCT	DBH		CRUISE TO:		MINIMUM	MINIMUM	FORM	COMMENTS
	MINIMUM	MAXIMUM	MERCH HT	TOTAL HT	TOP DOB	LENGTH	CLASS	
PULPWOOD	4.60	+	-	Tip	2.50	15		
SMALL SAWTIMBER	8.60	12.59	-	Tip	6.00	25		WHOLE TREE MUST BE REASONABLY STRAIGHT, FIRST 16' MUST BE STRAIGHT AND CLEAR OF ANY DEFECT > 2" DEEP. CRUISE TO SPECIFIED TOP, UNLESS SEVERE CROOK, SWEEP, OR DEFECT FORCES AN EARLIER CUTOFF.
LARGE SAWTIMBER	11.60	+	9.00	Tip	9.00	16		WHOLE TREE MUST BE REASONABLY STRAIGHT. DEDUCT FOR DEFECT, ANY SWEEP > 6" IN A 12' SECTION, AND CROOK. STOP AT FIRST LIVE WHORL THAT HAS LESS THAN 8' OF CLEAR MATERIAL ABOVE IT.

HARDWOOD PRODUCT	DBH		CRUISE TO:		MINIMUM	MINIMUM	FORM	COMMENTS
	MINIMUM	MAXIMUM	MERCH HT	TOTAL HT	TOP DOB	LENGTH	CLASS	
HARD PW	5.10	+	4.00	4.00	4.00	16		
SOFT PW	5.10	+	4.00	4.00	4.00	16		

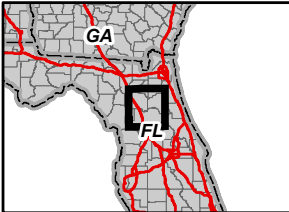
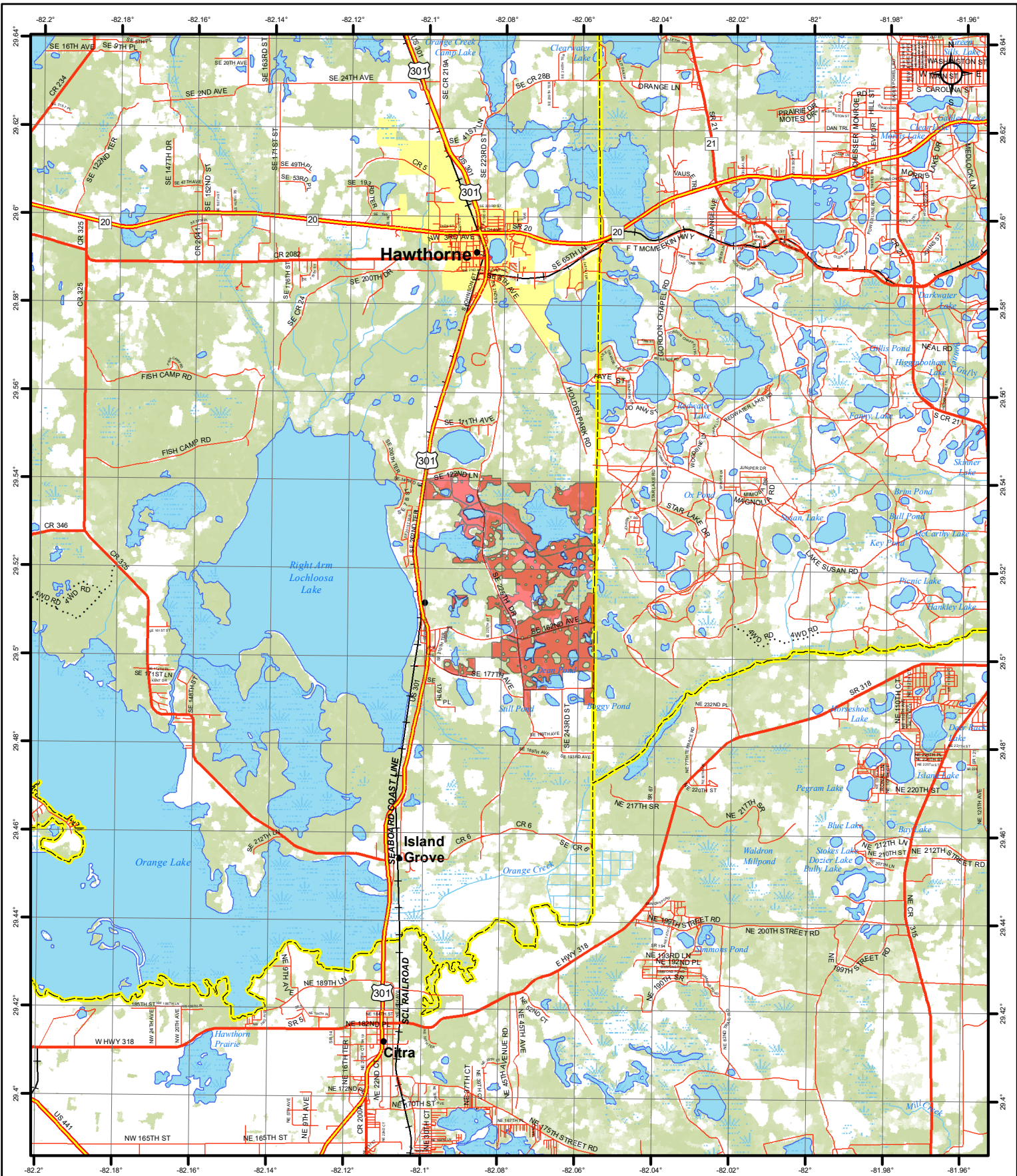
Pine Cord Conversion 5600 Hardwood Cord Conversion 6000

1. JUMP BUTTING IS PERMISSIBLE IF DEFECT IS W/IN 1st 5 FEET OF STEM.
2. ALL LOG HEIGHTS TO BE MEASURED TO THE CLOSEST FOOT AND GREATER THAN THE MINIMUM LENGTH DEFINED ABOVE
3. CRUISE THE DOMINANT FORK OF A TREE IF THE STEM IS >=75% OF THE TREE BEFORE THE FORK. OTHERWISE, TOP THE TREE AT THE FORK.
4. NO HARDWOOD SAWTIMBER TO BE TALLIED

APPENDIX D: VOLUME AND STATISTICAL TABLES, MAPS AND ACREAGE REPORTS

The maps and tables are presented throughout the following sections.



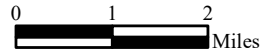


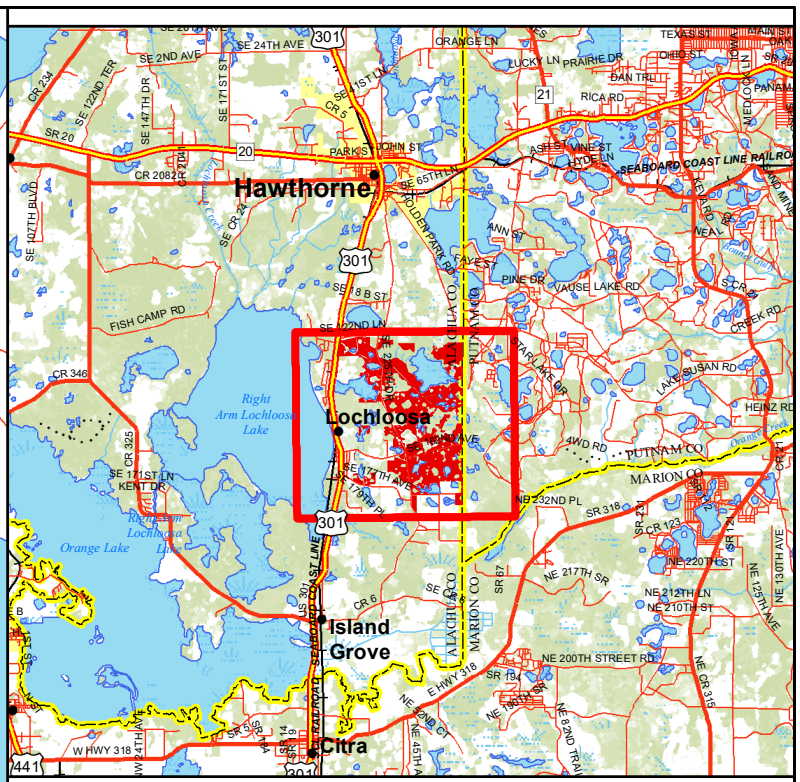
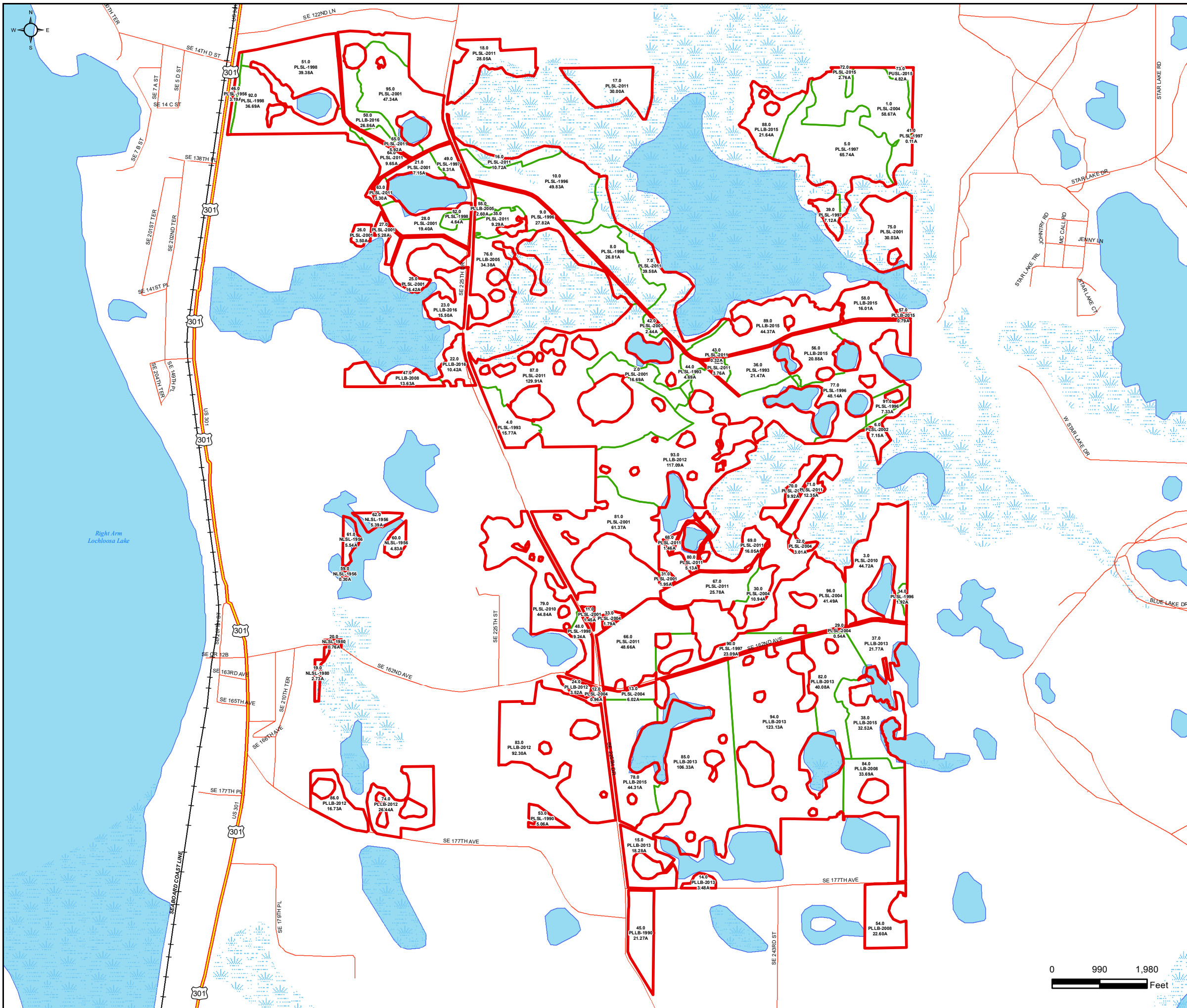
Alachua County Parks & Conservation Lands
Tract #017738
Lochloosa Slough Tract
Alachua County, FL
2187.10 Acres
Lat. 29.517537, Long. -82.072652 (Tract Center)

Legend

- ⋯ 4WD
- Local Paved or Unknown
- Secondary State or County Hwy
- Primary US or State Hwy
- Primary Limited Access or Interstate
- Counties

F&W Forestry Services, Inc.
Map Date : 2/14/2020





- Tract Boundary
- Stands

Timber Type Map

Client:	Alachua County Parks & Conservation Lands		
Unit:	Lochloosa Slough		
Tract:	Lochloosa Slough		
Tract Number:	017738	Tract Acres:	2187.10
Tract Date:	1/20/2020	Stand Date:	2/14/2020
County:	Alachua	State:	Florida
Date Printed:	2/14/2020	Projection:	NAD 1983 UTM Zone 17N

Map Produced by F&W Forestry Services, Inc.

GIS & Adjusted Area Comparison

Alachua County Parks & Conservation Lands

Lochloosa Slough Tract Alachua County, Florida February 14, 2020

2187.10 Acres

Compartment 1

Stand Number	Stand Description	GIS Acres	Adjusted Acres	Adjusted (% difference)
001.0	PLSL-2004	58.66	58.67	0.02%
002.0	PLSL-2001	16.69	16.69	0.00%
003.0	PLSL-2010	44.71	44.72	0.02%
004.0	PLSL-1993	15.77	15.77	0.00%
005.0	PLSL-1997	65.73	65.74	0.02%
006.0	PLSL-2002	7.15	7.15	0.00%
007.0	PLSL-2011	39.57	39.58	0.03%
008.0	PLSL-1996	26.80	26.81	0.04%
009.0	PLSL-1996	27.81	27.82	0.04%
010.0	PLSL-1996	49.82	49.83	0.02%
011.0	PLSL-2001	1.45	1.45	0.00%
012.0	PLSL-2004	0.96	0.96	0.00%
013.0	PLSL-2004	6.02	6.02	0.00%
014.0	PLLB-2013	3.48	3.48	0.00%
015.0	PLLB-2013	18.28	18.28	0.00%
016.0	PLSL-2011	10.72	10.72	0.00%
017.0	PLSL-2011	29.99	30.00	0.03%
018.0	PLSL-2011	28.04	28.05	0.04%
019.0	NLSL-1980	2.73	2.73	0.00%
020.0	NLSL-1980	0.76	0.76	0.00%
021.0	PLSL-2001	7.15	7.15	0.00%
022.0	PLLB-2016	10.42	10.42	0.00%
023.0	PLLB-2016	15.50	15.50	0.00%
024.0	PLLB-2012	3.52	3.52	0.00%
025.0	PLSL-2001	16.42	16.42	0.00%
026.0	PLSL-2001	3.50	3.50	0.00%
027.0	PLSL-2001	5.28	5.28	0.00%
028.0	PLSL-2001	19.40	19.40	0.00%
029.0	PLSL-2004	0.54	0.54	0.00%
030.0	PLSL-2004	10.94	10.94	0.00%
031.0	PLSL-2001	1.95	1.95	0.00%
032.0	PLSL-2004	3.01	3.01	0.00%
033.0	PLSL-2004	1.79	1.79	0.00%
034.0	PLSL-1996	1.92	1.92	0.00%
035.0	PLSL-2011	9.29	9.29	0.00%
036.0	PLSL-1993	21.47	21.47	0.00%
037.0	PLLB-2013	21.77	21.77	0.00%
038.0	PLLB-2015	32.51	32.52	0.03%
039.0	PLSL-1997	7.12	7.12	0.00%
040.0	PLSL-2011	3.76	3.76	0.00%
041.0	PLSL-1997	0.11	0.11	0.00%
042.0	PLSL-2001	2.44	2.44	0.00%
043.0	PLSL-2011	0.32	0.32	0.00%
044.0	PLSL-1993	4.69	4.69	0.00%
045.0	PLLB-1990	21.27	21.27	0.00%
046.0	PLSL-1956	3.19	3.19	0.00%
047.0	PLLB-2008	13.63	13.63	0.00%
048.0	PLSL-1998	9.24	9.24	0.00%
049.0	PLSL-1997	8.31	8.31	0.00%
050.0	PLLB-2016	26.85	26.86	0.04%
051.0	PLSL-1998	39.37	39.38	0.03%
052.0	PLSL-1998	4.64	4.64	0.00%

GIS & Adjusted Area Comparison

Alachua County Parks & Conservation Lands

Lochloosa Slough Tract Alachua County, Florida February 14, 2020

2187.10 Acres

Compartment 1

Stand Number	Stand Description	GIS Acres	Adjusted Acres	Adjusted (% difference)
053.0	PLSL-1990	5.06	5.06	0.00%
054.0	PLLB-2008	22.60	22.60	0.00%
055.0	PLLB-2005	2.60	2.60	0.00%
056.0	PLLB-2015	20.88	20.88	0.00%
057.0	PLLB-2015	0.79	0.79	0.00%
058.0	PLLB-2015	16.01	16.01	0.00%
059.0	NLSL-1956	0.30	0.30	0.00%
060.0	NLSL-1956	4.83	4.83	0.00%
061.0	NLSL-1956	5.54	5.54	0.00%
062.0	NLSL-1956	5.39	5.39	0.00%
063.0	PLSL-2011	3.30	3.30	0.00%
064.0	PLSL-2011	9.65	9.65	0.00%
065.0	PLSL-2011	5.92	5.92	0.00%
066.0	PLSL-2011	48.65	48.66	0.02%
067.0	PLSL-2011	25.77	25.78	0.04%
068.0	PLSL-2011	1.46	1.46	0.00%
069.0	PLSL-2011	16.05	16.05	0.00%
070.0	PLSL-2011	9.92	9.92	0.00%
071.0	PLSL-2011	12.35	12.35	0.00%
072.0	PLSL-2015	2.76	2.76	0.00%
073.0	PUSL-2015	4.82	4.82	0.00%
074.0	PLLB-2012	26.43	26.44	0.04%
075.0	PLSL-2001	30.02	30.03	0.03%
076.0	PLLB-2005	34.37	34.38	0.03%
077.0	PLSL-1996	48.13	48.14	0.02%
078.0	PLLB-2015	44.30	44.31	0.02%
079.0	PLSL-2010	44.83	44.84	0.02%
080.0	PLSL-2011	5.13	5.13	0.00%
081.0	PLSL-2001	61.36	61.37	0.02%
082.0	PLLB-2013	40.07	40.08	0.02%
083.0	PLLB-2012	92.28	92.30	0.02%
084.0	PLLB-2008	33.68	33.69	0.03%
085.0	PLLB-2013	106.31	106.33	0.02%
086.0	PLLB-2012	16.73	16.73	0.00%
087.0	PLSL-2011	129.82	129.91	0.07%
088.0	PLLB-2015	21.64	21.64	0.00%
089.0	PLLB-2015	44.36	44.37	0.02%
090.0	PLSL-1997	23.09	23.09	0.00%
091.0	PLSL-1996	7.33	7.33	0.00%
092.0	PLSL-1998	36.68	36.69	0.03%
093.0	PLLB-2012	117.07	117.09	0.02%
094.0	PLLB-2013	123.10	123.13	0.02%
095.0	PLSL-2001	47.33	47.34	0.02%
096.0	PLSL-2004	41.48	41.49	0.02%
Total		2186.65	2187.10	0.02%

GIS & Adjusted Area Comparison

Alachua County Parks & Conservation Lands

**Lochloosa Slough Tract
Alachua County, Florida
February 14, 2020**

2187.10 Acres

Compartment 1

<u>Stand</u> <u>Number</u>	<u>Stand</u> <u>Description</u>	<u>GIS</u> <u>Acres</u>	<u>Adjusted</u> <u>Acres</u>	<u>Adjusted</u> <u>(% difference)</u>
Tract Totals \ Adjusted vs GIS (% difference)		2186.65	2187.10	0.02%

Area Sorted by Description

Alachua County Parks & Conservation Lands

**Lochloosa Slough Tract
Alachua County, Florida
February 14, 2020**

Description	Acres
NLSL-1956	16.06
NLSL-1980	3.49
PLLB-1990	21.27
PLLB-2005	36.98
PLLB-2008	69.92
PLLB-2012	256.08
PLLB-2013	313.07
PLLB-2015	180.52
PLLB-2016	52.78
PLSL-1956	3.19
PLSL-1990	5.06
PLSL-1993	41.93
PLSL-1996	161.85
PLSL-1997	104.37
PLSL-1998	89.95
PLSL-2001	213.02
PLSL-2002	7.15
PLSL-2004	123.42
PLSL-2010	89.56
PLSL-2011	389.85
PLSL-2015	2.76
PUSL-2015	4.82
Total	2,187.10

Volume Estimates for Tract 17738 by Species and Product Groups

Alachua County Parks & Conservation Lands

**Lochloosa Slough Tract
Alachua County, Florida
February 3, 2020**

827.7 Merchantable Acres

Product Description	Tract Total					Tract Statistics						
	Trees	Cubic Feet	Tons	Cords	MBF	Log Rule & GFC*	Trees per Cord	Bd. Ft. per Tree	Pounds per Unit	Pounds per Tree	Avg DBH	Avg Total Ht*
PINE PRODUCTS :												
Pine Pulpwood	141,125	1,046,959	28,913	10,326			13.7		5600/cd	410	7.3	53
Pine Small Sawtimber	38,942	530,003	14,676	5,241			7.4		5600/cd	754	9.6	61
Pine Large Sawtimber	5,400	154,089	4,280	1,529	650.9	Scribner - 78	3.5	121	13152/MBF	1585	13.3	76
Pine Topwood		31,366	979	350								
Total	185,468	1,762,418	48,849	17,446	650.9							
HARDWOOD PRODUCTS :												
Hard Hardwood Pulpwood	7,892	59,097	2,012	671			11.8		6000/cd	510	7.9	32
Total	7,892	59,097	2,012	671								
Soft Hardwood Pulpwood	5,367	21,703	541	180			29.8		6000/cd	202	6.4	24
Total	5,367	21,703	541	180								
Tract Total	198,727	1,843,218	51,402	18,297	650.9							

* Average total height values for hardwoods represent height to a 4-inch dob top diameter

* GFC: Girard Form Class

- 1) Cruise Information: Variable Plot Radius, 10.00 BAF, 89 samples
- 2) All volume and weight estimates represent outside bark units
- 3) Board foot volumes are based on Mesavage and Girard volume tables
- 4) Minor differences between summary reports may occur due to rounding.

Stock and Stand Table

Alachua County Parks & Conservation Lands

**Lochloosa Slough Tract
Alachua County, Florida
February 3, 2020**

827.7 Merchantable Acres

Pine Pulpwood

Average Basal Area: 49.31 Sq.Ft./Acre
Average DBH: 7.3 inches

Average Total Height: 53 feet

DBH	Per Acre					Tract Total										
	Trees	Cubic feet	Tons	Cords	Board feet	Cubic Feet			Tons			Cords			MBF	
						Trees	Pulpwood	Topwood	Total	Pulpwood	Topwood	Total	Pulpwood	Topwood		Total
5	22.25	65.87	1.78	0.64		18,416	54,521		54,521	1,472		1,472	526		526	
6	41.13	193.74	5.31	1.90		34,041	160,359		160,359	4,393		4,393	1,569		1,569	
7	45.32	307.23	8.47	3.03		37,507	254,298		254,298	7,012		7,012	2,504		2,504	
8	41.44	394.58	10.94	3.91		34,298	326,595		326,595	9,054		9,054	3,234		3,234	
9	11.07	137.70	3.82	1.36		9,159	113,975		113,975	3,161		3,161	1,129		1,129	
10	5.61	84.99	2.35	0.84		4,647	70,346		70,346	1,948		1,948	696		696	
11	2.22	41.98	1.17	0.42		1,839	34,748		34,748	970		970	347		347	
12	1.05	24.57	0.68	0.24		867	20,338		20,338	565		565	202		202	
13	0.33	10.04	0.28	0.10		275	8,314		8,314	232		232	83		83	
14	0.09	4.19	0.13	0.05		75	3,466		3,466	105		105	37		37	
Total	170.50	1,264.90	34.93	12.48		141,125	1,046,959		1,046,959	28,913		28,913	10,326		10,326	

- 1) Cruise Information: Variable Plot Radius, 10.00 BAF, 89 samples
- 2) Volume and weights are outside bark (ob) to a 3-inch top diameter (ob)
- 3) Cordwood volumes are based on a 5600 lbs/cord conversion
- 4) Topwood values are reported to a 3-inch top diameter (ob)

Stock and Stand Table

Alachua County Parks & Conservation Lands

**Lochloosa Slough Tract
Alachua County, Florida
February 3, 2020**

827.7 Merchantable Acres

Pine Small Sawtimber

Average Basal Area: 23.58 Sq.Ft./Acre
Average DBH: 9.6 inches

Average Total Height: 61 feet

DBH	Per Acre					Tract Total										
	Trees	Cubic feet	Tons	Cords	Board feet	Cubic Feet			Tons			Cords			MBF	
						Trees	Sawtimber	Topwood	Total	Sawtimber	Topwood	Total	Sawtimber	Topwood		Total
9	28.12	327.62	9.06	3.24		23,271	271,174		271,174	7,497		7,497	2,678		2,678	
10	13.26	199.42	5.52	1.97		10,974	165,063		165,063	4,567		4,567	1,631		1,631	
11	5.68	113.28	3.16	1.13		4,697	93,766		93,766	2,611		2,611	933		933	
Total	47.05	640.33	17.73	6.33		38,942	530,003		530,003	14,676		14,676	5,241		5,241	

- 1) Cruise Information: Variable Plot Radius, 10.00 BAF, 89 samples
- 2) Volume and weights are outside bark (ob) to a 6-inch top diameter (ob)
- 3) Cordwood volumes are based on a 5600 lbs/cord conversion
- 4) Topwood values are reported to a 6-inch top diameter (ob)

Stock and Stand Table

Alachua County Parks & Conservation Lands

**Lochloosa Slough Tract
Alachua County, Florida
February 3, 2020**

827.7 Merchantable Acres

Pine Large Sawtimber

Average Basal Area: 6.34 Sq.Ft./Acre
Average DBH: 13.3 inches

Average Total Height: 76 feet
Average Merchantable Height: 45 feet

DBH	Per Acre					Tract Total										
	Trees	Cubic feet	Tons	Cords	Board feet	Cubic Feet				Tons			Cords			
						Trees	Sawtimber	Topwood	Total	Sawtimber	Topwood	Total	Sawtimber	Topwood	Total	MBF
12	3.55	73.92	2.04	0.73	297.58	2,942	61,184	15,950	77,133	1,688	491	2,179	603	175	778	246
13	1.21	29.58	0.81	0.29	122.61	998	24,481	5,348	29,829	673	168	841	240	60	300	101
14	0.60	20.36	0.56	0.20	84.22	494	16,849	2,404	19,254	467	76	543	167	27	194	70
15	0.55	21.42	0.60	0.21	93.28	459	17,726	3,555	21,281	496	114	609	177	41	218	77
16	0.19	8.70	0.24	0.09	38.01	159	7,201	1,263	8,464	199	43	242	71	15	86	31
17	0.12	6.88	0.20	0.07	29.85	98	5,692	990	6,682	164	34	198	58	12	71	25
18	0.08	5.32	0.15	0.05	23.73	65	4,402	456	4,858	124	14	138	44	5	49	20
19	0.07	5.26	0.15	0.05	25.65	55	4,353	241	4,595	124	7	131	44	3	47	21
21	0.14	13.04	0.37	0.13	61.48	112	10,792	1,062	11,854	309	29	338	110	10	121	51
22	0.02	1.70	0.05	0.02	10.01	18	1,409	97	1,505	38	3	41	14	1	15	8
Total	6.52	186.17	5.17	1.85	786.43	5,400	154,089	31,366	185,456	4,280	979	5,260	1,529	350	1,878	651

- 1) Cruise Information: Variable Plot Radius, 10.00 BAF, 89 samples
- 2) Volume and weights are outside bark (ob) to a 9-inch top diameter (ob)
- 3) Cordwood volumes are based on a 5600 lbs/cord conversion
- 4) Topwood values are reported to a 3-inch top diameter (ob)
- 5) Board foot volumes are based on Mesavage and Girard volume tables, Scribner log rule, average form class = 78

Stock and Stand Table

Alachua County Parks & Conservation Lands

**Lochloosa Slough Tract
Alachua County, Florida
February 3, 2020**

827.7 Merchantable Acres

Hard Hardwood Pulpwood

Average Basal Area: 3.26 Sq.Ft./Acre
Average DBH: 7.9 inches

Average Merchantable Height: 32 feet

DBH	Per Acre					Tract Total										
	Trees	Cubic feet	Tons	Cords	Board feet	Cubic Feet				Tons			Cords			
						Trees	Pulpwood	Topwood	Total	Pulpwood	Topwood	Total	Pulpwood	Topwood	Total	MBF
5	2.23	4.44	0.15	0.05		1,843	3,674		3,674	125		125	42		42	
6	1.91	6.92	0.24	0.08		1,578	5,727		5,727	197		197	66		66	
7	2.48	14.86	0.50	0.17		2,051	12,300		12,300	417		417	139		139	
8	1.29	11.90	0.41	0.14		1,071	9,849		9,849	338		338	113		113	
9	0.32	3.70	0.13	0.04		261	3,060		3,060	105		105	35		35	
10	0.37	4.96	0.17	0.06		304	4,105		4,105	139		139	46		46	
11	0.14	2.20	0.07	0.02		115	1,821		1,821	62		62	21		21	
12	0.11	1.99	0.07	0.02		87	1,644		1,644	56		56	19		19	
13	0.40	8.61	0.29	0.10		334	7,130		7,130	242		242	81		81	
15	0.09	3.14	0.11	0.04		78	2,597		2,597	88		88	29		29	
16	0.06	2.22	0.08	0.03		48	1,839		1,839	62		62	21		21	
18	0.07	3.24	0.11	0.04		56	2,680		2,680	91		91	30		30	
19	0.08	3.23	0.11	0.04		65	2,670		2,670	90		90	30		30	
Total	9.53	71.40	2.43	0.81		7,892	59,097		59,097	2,012		2,012	671		671	

- 1) Cruise Information: Variable Plot Radius, 10.00 BAF, 89 samples
- 2) Volume and weights are outside bark (ob) to a 4-inch top diameter (ob)
- 3) Cordwood volumes are based on a 6000 lbs/cord conversion
- 4) Topwood values are reported to a 4-inch top diameter (ob)

Stock and Stand Table

Alachua County Parks & Conservation Lands

**Lochloosa Slough Tract
Alachua County, Florida
February 3, 2020**

827.7 Merchantable Acres

Soft Hardwood Pulpwood

Average Basal Area: 1.46 Sq.Ft./Acre
Average DBH: 6.4 inches

Average Merchantable Height: 24 feet

DBH	Per Acre					Tract Total							MBF		
	Trees	Cubic feet	Tons	Cords	Board feet	Cubic Feet			Tons			Cords			
						Trees	Pulpwood	Topwood	Total	Pulpwood	Topwood	Total		Pulpwood	Topwood
5	1.51	2.93	0.07	0.02		1,252	2,423		2,423	59		59	20		20
6	3.16	10.99	0.27	0.09		2,617	9,100		9,100	222		222	74		74
7	1.32	7.58	0.19	0.06		1,096	6,272		6,272	160		160	53		53
8	0.29	2.52	0.06	0.02		243	2,082		2,082	53		53	18		18
10	0.19	2.21	0.06	0.02		158	1,827		1,827	48		48	16		16
Total	6.48	26.22	0.65	0.22		5,367	21,703		21,703	541		541	180		180

- 1) Cruise Information: Variable Plot Radius, 10.00 BAF, 89 samples
- 2) Volume and weights are outside bark (ob) to a 4-inch top diameter (ob)
- 3) Cordwood volumes are based on a 6000 lbs/cord conversion
- 4) Topwood values are reported to a 4-inch top diameter (ob)

Confidence Intervals for Merchantable Weight Estimates in Tons per Acre

Alachua County Parks & Conservation Lands Unit

February 3, 2020

Tract Number	Acres	Samples	Mean	CI-90 (%)	CI-95 (%)	CI-99 (%)	CV (%)
17738	827.7	89	60.9	4.4	5.3	7.1	24.9
Unit Total	827.7	89	60.9	4.4	5.3	7.1	24.9

- 1) CI-95 refers to the 95% confidence interval for the mean weight per acre as a percent of the mean
- 2) CV(%) - the coefficient of variation, which represents the variability between samples, on a percent basis
- 3) Total tract acreage represents the total acres in merchantable timber

Confidence Intervals for Merchantable Estimates of Basal Area per Acre

Alachua County Parks & Conservation Lands Unit

February 3, 2020

Tract Number	Acres	Samples	Mean	CI-90 (%)	CI-95 (%)	CI-99 (%)	CV (%)
17738	827.7	89	83.9	4.5	5.4	7.2	25.2
Unit Total	827.7	89	83.9	4.5	5.4	7.2	25.2

- 1) CI-95 refers to the 95% confidence interval for the mean basal area per acre as a percent of the mean
- 2) CV(%) - the coefficient of variation, which represents the variability between samples, on a percent basis
- 3) Total tract acreage represents the total acres in merchantable timber

Confidence Intervals for Merchantable Estimates of Trees per Acre

Alachua County Parks & Conservation Lands Unit

February 3, 2020

Tract Number	Acres	Samples	Mean	CI-90 (%)	CI-95 (%)	CI-99 (%)	CV (%)
17738	827.7	89	229	6.6	7.9	10.5	37.0
Unit Total	827.7	89	229	6.6	7.9	10.5	37.0

- 1) CI-95 refers to the 95% confidence interval for the mean trees per acre as a percent of the mean
- 2) CV(%) - coefficient of variation, which represents the variability between samples, on a percent basis
- 3) Total tract acreage represents the total acres in merchantable timber

Stand Information Summary by Compartment

Alachua County Parks & Conservation Lands

Lochloosa Slough Tract Alachua County, Florida

February 3, 2020

Compartment 1

Comp	Stand		Acres	Samples	Stand Age	PINE					HARDWOOD					Average Dominant Height (feet)	Average Merch. Tons/Acre	
	No	Description				TPA	BA/AC	DBH			TPA	BA/AC	DBH				Pine	Hardwood
								Min	Max	Avg			Min	Max	Avg			
1	1.0	PLSL-2004	58.7	9	16	319	95.56	4.8	12.0	7.4	17	4.44	5.1	12.8	6.9	64.00	3.10	
	2.0	PLSL-2001	16.7	2	19	327	95.00	5.1	9.6	7.3	23	5.00	6.3	6.3	6.3	61.73	2.19	
	4.0	PLSL-1993	15.8	2	27	242	85.00	5.1	11.4	8.0	24	5.00	6.2	6.2	6.2	61.85	2.01	
	5.0	PLSL-1997	65.7	3	23	199	73.33	5.5	12.2	8.2	0					55.63		
	6.0	PLSL-2002	7.2	2	18	371	100.00	5.3	9.8	7.0	0					65.61		
	8.0	PLSL-1996	26.8	3	24	236	80.00	5.0	13.4	7.9	0					56.99		
	9.0	PLSL-1996	27.8	4	24	104	47.50	6.1	12.8	9.2	41	17.50	6.2	16.5	8.8	36.09	14.17	
	10.0	PLSL-1996	49.8	4	24	178	80.00	6.2	13.7	9.1	17	7.50	7.3	12.7	9.1	59.96	5.56	
	11.0	PLSL-2001	1.5	1	19	171	60.50	5.0	13.0	8.0	20	5.00	5.0	18.0	6.8	42.83	2.75	
	12.0	PLSL-2004	1.0	1	16	348	97.06	5.0	12.0	7.1	10	2.95	5.0	13.0	7.5	63.87	2.11	
	13.0	PLSL-2004	6.0	2	16	360	80.00	4.7	9.3	6.4	0					45.27		
	19.0	NLSL-1980	2.7	1	40	147	80.00	8.0	21.0	10.0	33	10.00	7.0	7.0	7.5	70.86	7.14	
	20.0	NLSL-1980	0.8	1	40	147	80.00	7.6	20.8	10.0	33	10.00	7.5	7.5	7.5	70.86	7.14	
	21.0	PLSL-2001	7.2	1	19	171	60.50	5.0	13.0	8.0	20	5.00	5.0	18.0	6.8	42.83	2.75	
	25.0	PLSL-2001	16.4	3	19	107	43.33	5.7	11.6	8.6	18	3.33	5.8	5.8	5.8	32.29	1.25	
	26.0	PLSL-2001	3.5	1	19	249	90.00	6.7	11.0	8.1	0					66.32		
	27.0	PLSL-2001	5.3	1	19	171	60.50	5.0	13.0	8.0	20	5.00	5.0	18.0	6.8	42.83	2.75	
	28.0	PLSL-2001	19.4	1	19	235	60.00	5.2	9.5	6.8	0					40.59		
	29.0	PLSL-2004	0.5	1	16	348	97.06	5.0	12.0	7.1	10	2.95	5.0	13.0	7.5	63.87	2.11	
	30.0	PLSL-2004	10.9	1	16	593	140.00	5.1	9.3	6.6	10	10.00	13.5	13.5	13.5	91.55	7.99	
	31.0	PLSL-2001	2.0	1	19	245	80.00	5.2	10.6	7.7	0					56.97		
	32.0	PLSL-2004	3.0	1	16	348	97.06	5.0	12.0	7.1	10	2.95	5.0	13.0	7.5	63.87	2.11	
	33.0	PLSL-2004	1.8	1	16	348	97.06	5.0	12.0	7.1	10	2.95	5.0	13.0	7.5	63.87	2.11	
	34.0	PLSL-1996	1.9	1	24	186	70.68	5.0	15.0	8.3	14	6.29	6.0	16.0	8.9	52.08	4.93	
	36.0	PLSL-1993	21.5	2	27	195	80.00	6.2	11.4	8.7	0					62.42		
	39.0	PLSL-1997	7.1	1	23	338	120.00	5.2	12.5	8.1	0					98.01		
	41.0	PLSL-1997	0.1	1	23	257	87.15	5.0	15.0	7.9	7	1.43	6.0	6.0	6.2	68.08	0.51	
	42.0	PLSL-2001	2.4	1	19	171	60.50	5.0	13.0	8.0	20	5.00	5.0	18.0	6.8	42.83	2.75	
	44.0	PLSL-1993	4.7	1	27	218	82.50	5.0	11.0	8.3	12	2.50	6.0	6.0	6.2	62.13	1.01	
	45.0	PLLB-1990	21.3	2	30	220	120.00	8.0	13.7	10.0	78	20.00	5.3	8.1	6.9	96.03	13.15	
	46.0	PLSL-1956	3.2	1	64	278	190.00	6.5	19.1	11.2	0					164.16		
	48.0	PLSL-1998	9.2	1	22	148	60.00	7.5	10.0	8.6	0					47.21		
	49.0	PLSL-1997	8.3	1	23	242	70.00	6.4	9.5	7.3	0					53.77		
	51.0	PLSL-1998	39.4	4	22	146	57.50	5.8	12.8	8.5	19	7.50	7.5	10.5	8.4	42.23	6.79	
	52.0	PLSL-1998	4.6	1	22	282	80.00	5.7	9.8	7.2	0					55.02		
	53.0	PLSL-1990	5.1	1	30	113	80.00	9.4	22.4	11.4	285	50.00	5.1	6.4	5.7	62.11	27.05	
	55.0	PLLB-2005	2.6	1	15	311	96.65	6.0	12.0	7.5	2	3.33	19.0	19.0	18.7	62.73	2.43	
	59.0	NLSL-1956	0.3	1	64	135	110.00	5.0	21.0	12.2	10	5.00	10.0	10.0	9.7	107.66	2.93	
	60.0	NLSL-1956	4.8	1	64	135	110.00	5.0	21.0	12.2	10	5.00	10.0	10.0	9.7	107.66	2.93	
	61.0	NLSL-1956	5.5	1	64	168	100.00	5.3	17.7	10.4	19	10.00	9.7	9.7	9.7	93.86	5.86	
	62.0	NLSL-1956	5.4	1	64	102	120.00	8.8	21.5	14.7	0					121.47		
	75.0	PLSL-2001	30.0	3	19	304	106.67	5.8	11.9	8.0	0					78.40		
	76.0	PLLB-2005	34.4	3	15	311	96.67	5.6	12.2	7.5	2	3.33	18.7	18.7	18.7	62.73	2.43	
	77.0	PLSL-1996	48.1	4	24	194	70.00	4.9	12.9	8.1	0					50.46		
	81.0	PLSL-2001	61.4	7	19	143	55.71	4.7	13.3	8.5	28	5.71	5.2	8.5	6.1	39.82	2.29	

Stand Information Summary by Compartment

Alachua County Parks & Conservation Lands

Lochloosa Slough Tract Alachua County, Florida

February 3, 2020

Compartment 1

Comp	Stand		Acres	Samples	Stand Age	PINE					HARDWOOD					Average Dominant Height (feet)	Average Merch. Tons/Acre	
	No	Description				TPA	BA/AC	DBH			TPA	BA/AC	DBH				Pine	Hardwood
								Min	Max	Avg			Min	Max	Avg			
90.0	PLSL-1997		23.1	2	23	310	100.00	5.4	14.7	7.7	24	5.00	6.2	6.2	6.2	78.96	1.77	
91.0	PLSL-1996		7.3	1	24	366	100.00	4.8	14.9	7.1	0					76.19		
92.0	PLSL-1998		36.7	4	22	145	65.00	5.6	13.6	9.1	33	7.50	6.1	6.8	6.5	50.47	3.59	
95.0	PLSL-2001		47.3	5	19	145	54.00	5.1	11.2	8.3	20	8.00	6.4	18.3	8.6	38.73	6.15	
96.0	PLSL-2004		41.5	5	16	346	98.00	4.8	11.5	7.2	0					65.56		
Compartment total/average			827.7	104	22	224	79.23	4.7	22.4	8.1	16	4.72	5.0	19.0	7.3	57.83	3.08	

- 1) Comp number refers to the management compartment number
- 2) Avg. DBH refers to the quadratic mean diameter
- 3) Merch. Tons/Acre represents green weight in tons for all trees 4.6 inches DBH and larger
- 4) Compartment level estimates of age, trees per acre, basal area, dominant height and volume, are weighted averages based on stand area
- 5) The HARDWOOD category includes all non-pine species
- 6) This report includes only those stands containing at least one inventory sample and may not reflect a complete stand listing.

Stand Information Summary by Compartment

Alachua County Parks & Conservation Lands

Lochloosa Slough Tract

Alachua County,

February 3, 2020

Compartment 1

Comp	Stand		Acres	Samples	Stand Age	PINE					HARDWOOD					Average Dominant Height (feet)	Average Merch. Tons/Acre	
	No	Description				TPA	BA/AC	DBH			TPA	BA/AC	DBH				Pine	Hardwood
								Min	Max	Avg			Min	Max	Avg			
1	3.0	PLSL-2010	44.7	5	10	568	95.75	1.4	8.5	5.6	0	0.00				0.00	0.00	
	7.0	PLSL-2011	39.6	4	9	390	2.13	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	14.0	PLLB-2013	3.5	1	7	532	2.90	1.0	1.0	1.0	3	0.02	1.0	1.0	1.1	2	0.00	0.00
	15.0	PLLB-2013	18.3	1	7	560	3.05	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	16.0	PLSL-2011	10.7	2	9	480	2.62	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	17.0	PLSL-2011	30.0	3	9	600	3.27	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	18.0	PLSL-2011	28.1	4	9	480	2.62	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	22.0	PLLB-2016	10.4	2	4	360	1.97	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	23.0	PLLB-2016	15.5	2	4	380	2.08	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	24.0	PLLB-2012	3.5	1	8	680	3.71	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	35.0	PLSL-2011	9.3	1	9	720	3.93	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	37.0	PLLB-2013	21.8	1	7	440	2.40	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	38.0	PLLB-2015	32.5	2	5	740	4.04	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	40.0	PLSL-2011	3.8	1	9	447	2.44	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	43.0	PLSL-2011	0.3	1	9	447	2.44	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	47.0	PLLB-2008	13.6	1	12	240	70.74	5.4	8.5	7.4	0	0.00				0.00	0.00	
	50.0	PLLB-2016	26.9	3	4	467	2.55	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	54.0	PLLB-2008	22.6	1	12	320	60.30	4.0	7.0	5.9	0	0.00				0.00	0.00	
	56.0	PLLB-2015	20.9	2	5	540	2.95	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	57.0	PLLB-2015	0.8	1	5	529	2.89	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	58.0	PLLB-2015	16.0	1	5	280	1.53	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	63.0	PLSL-2011	3.3	1	9	447	2.44	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	64.0	PLSL-2011	9.7	3	9	387	2.11	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	65.0	PLSL-2011	5.9	1	9	320	1.75	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	66.0	PLSL-2011	48.7	5	9	480	2.62	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	67.0	PLSL-2011	25.8	2	9	420	2.29	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	68.0	PLSL-2011	1.5	1	9	360	1.96	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	69.0	PLSL-2011	16.1	1	9	440	2.40	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	70.0	PLSL-2011	9.9	1	9	320	1.75	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	71.0	PLSL-2011	12.4	1	9	520	2.84	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	72.0	PLSL-2015	2.8	1	5	560	3.05	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	73.0	PUSL-2015	4.8	1	5	560	3.05	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	74.0	PLLB-2012	26.4	3	8	520	2.84	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	78.0	PLLB-2015	44.3	2	5	560	3.06	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	79.0	PLSL-2010	44.8	4	10	520	88.60	3.4	7.2	5.6	0	0.00				0.00	0.00	
	80.0	PLSL-2011	5.1	1	9	447	2.44	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	82.0	PLLB-2013	40.1	4	7	520	2.83	1.0	1.0	1.0	20	0.11	1.0	1.0	1.0	2	0.00	0.00
	83.0	PLLB-2012	92.3	9	8	525	2.86	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	84.0	PLLB-2008	33.7	6	12	527	109.85	2.3	9.5	6.2	93	5.15	2.0	5.0	3.2	2	0.00	0.00
	85.0	PLLB-2013	106.3	9	7	591	3.22	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	86.0	PLLB-2012	16.7	1	8	440	2.40	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	87.0	PLSL-2011	129.9	11	9	385	2.10	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	88.0	PLLB-2015	21.6	1	5	480	2.62	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	89.0	PLLB-2015	44.4	5	5	488	2.66	1.0	1.0	1.0	0	0.00			2	0.00	0.00	
	93.0	PLLB-2012	117.1	12	8	457	2.49	1.0	1.0	1.0	0	0.00			2	0.00	0.00	

Stand Information Summary by Compartment

Alachua County Parks & Conservation Lands

**Lochloosa Slough Tract
Alachua County,
February 3, 2020**

Compartment 1

Comp	Stand		Acres	Samples	Stand Age	PINE					HARDWOOD					Average Dominant Height (feet)	Average Merch. Tons/Acre	
	No	Description				TPA	BA/AC	DBH			TPA	BA/AC	DBH				Pine	Hardwood
								Min	Max	Avg			Min	Max	Avg			
94.0	PLL	B-2013	123.1	11	7	495	2.70	1.0	1.0	1.0	0	0.00				2	0.00	0.00
Compartment 1 total/average			1359.4	137	8	488												

1) Comp number refers to the management compartment number

2) Avg. DBH refers to the quadratic mean diameter

3) Merch. Tons/Acre represents green weight in tons for all trees 4.6 inches DBH and larger

4) Compartment level estimates of age, trees per acre, basal area, dominant height and volume, are weighted averages based on stand area

5) The HARDWOOD category includes all non-pine species

6) This report includes only those stands containing at least one inventory sample and may not reflect a complete stand listing

Tract Level Planted Premerchantable Summary

Achua County Parks & Conservation Lands

Lochloosa Slough Purchase Unit

017738_Lochloosa Slough Tract (#17738)

Year Of Origin	Acres	Weighted Age 15 Tons/Ac	Weighted Age 15 Percent Pulp	Age 15 MAI (Tons/Ac/Yr)
2016	52.78	99.5	74.0%	6.6
2015	188.10	109.4	79.5%	7.3
2013	313.07	111.4	79.7%	7.4
2012	256.08	108.0	78.1%	7.2
2011	389.85	82.9	83.3%	5.5
2010	89.56	130.3	80.1%	8.7
2008	69.92	71.2	84.2%	4.7
	1,359.36	101.0		