



# Florida's Timber Industry—Timber Product Output and Use, 2013

## Introduction

This science update contains the findings of a 2013 canvass of all primary wood-using plants in Florida, and presents changes in product output and residue use since 2011. It complements the Forest Inventory and Analysis (FIA) annual inventory of volume and removals from the State's timberland. The canvass was conducted to determine the amount and source of wood receipts and annual timber product drain, by county, in 2013 and to determine interstate and cross-regional movement of industrial roundwood. Only primary wood-using mills were canvassed. Primary mills are those that process roundwood in log or bolt form or as chipped roundwood. Examples of industrial roundwood products are saw logs, pulpwood, veneer logs, poles, and logs used for composite board products. Mills producing products from residues generated at primary and secondary processors were not canvassed. Trees chipped in the woods were included in the estimate of timber drain only if they were delivered to a primary domestic manufacturer.

A 100-percent canvass of all wood processors in Florida was conducted in 2014 to obtain information for 2013. In addition, roundwood from out-of-State mills known to be using logs or bolts harvested from Florida timberland was incorporated into Florida production estimates. Each mill was canvassed by mail or through personal contact at plant locations. Telephone contacts followed mailed questionnaire responses when additional information or clarification of a response was necessary. In the event of a nonresponse, data collected in previous surveys were used to update the current survey. Surveys for all timber products other than pulpwood began in 1958, and are currently conducted every 2 years.

Pulpwood production data were taken from an annual canvass of all southern pulpmills. Medium density fiberboard, insulating board, and hardboard plants were included in this survey.

The Forest Inventory and Analysis (FIA) Research Work Unit of the Forest Service, U.S. Department of Agriculture developed the Timber Product Output (TPO) Database Retrieval System to help customers answer questions about timber harvesting and use in the Southern region. This system acts as an interface to a standard set of consistently coded TPO data for each State and county in the region and Nation. The database is well documented and easy to use. The retrieval system allows the user to select the TPO variables of interest and generate a standard set of timber products, removals, and mill residue tables for the specified resource area, State, or region. The system is available through the FIA Web site: <https://srsfia2.fs.fed.us/>. The Excel®core tables and figures that complement this science update are available on the TPO database.

The SRS gratefully acknowledges the tremendous cooperation and assistance provided by the Florida Forest Service in collecting mill data. Appreciation is also extended to forest industry and mill managers for providing timber products information.

**Table 1—Output of industrial products by product and species group, Florida, 2011 and 2013**

Product and species group	Year		Change	Change
	2011	2013		
	<i>---- thousand cubic feet ----</i>		<i>---- percent ----</i>	
<b>Saw logs</b>				
Softwood	101,381	122,713	21,332	21.0
Hardwood	2,035	2,038	3	0.1
<b>Total</b>	<b>103,416</b>	<b>124,751</b>	<b>21,335</b>	<b>20.6</b>
<b>Pulpwood</b>				
Softwood	264,871	284,374	19,503	7.4
Hardwood	13,997	15,015	1,018	7.3
<b>Total</b>	<b>278,868</b>	<b>299,389</b>	<b>20,521</b>	<b>7.4</b>
<b>Post, poles, and pilings</b>				
Softwood	2,874	3,660	786	27.3
Hardwood	0	0	0	0.0
<b>Total</b>	<b>2,874</b>	<b>3,660</b>	<b>786</b>	<b>0.0</b>
<b>Other industrial</b>				
Softwood	78,635	78,405	-230	-0.3
Hardwood	3,780	7,194	3,414	90.3
<b>Total</b>	<b>82,415</b>	<b>85,599</b>	<b>3,184</b>	<b>3.9</b>
<b>All industrial</b>				
Softwood	447,761	489,152	41,391	9.2
Hardwood	19,812	24,247	4,435	22.4
<b>Total</b>	<b>467,573</b>	<b>513,399</b>	<b>45,826</b>	<b>9.8</b>



## All Products

Industrial timber product output from roundwood increased 45.8 million cubic feet, or 10 percent, to 513.4 million cubic feet.

Output of industrial softwood roundwood products increased 9 percent, to 489.1 million cubic feet, while output of industrial hardwood roundwood products increased 22 percent to 24.2 million cubic feet (fig. 1).

Pulpwood and saw logs were the principal roundwood products in 2013. Combined output of these two products totaled 424.2 million cubic feet and accounted for 83 percent of the State's total industrial roundwood output (fig. 2).

Total receipts at Florida mills, which included roundwood harvested and retained in the State and roundwood imported from other States,

was up 2 percent from 523.2 million cubic feet to 537.3 million cubic feet.

At the same time, the number of primary roundwood-using plants in Florida increased from 52 in 2011 to 53 in 2013. (fig. 3).

Across all products, 84 percent of roundwood harvested was retained for processing at Florida mills. Exports of roundwood to other States amounted to 82.2 million cubic feet, while imports of roundwood amounted to 106.1 million cubic feet making the State a net importer of roundwood.

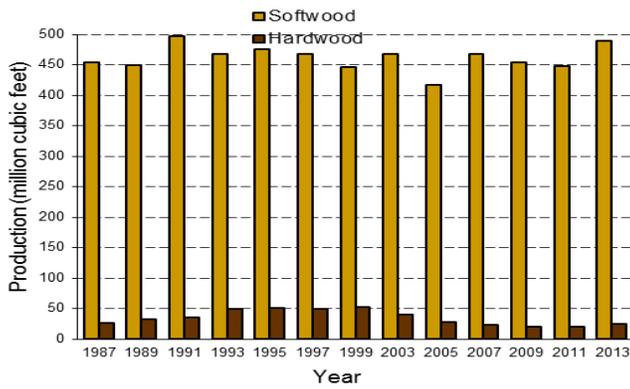


Figure 1—Roundwood production for all products by species group and year, Florida, 2013.

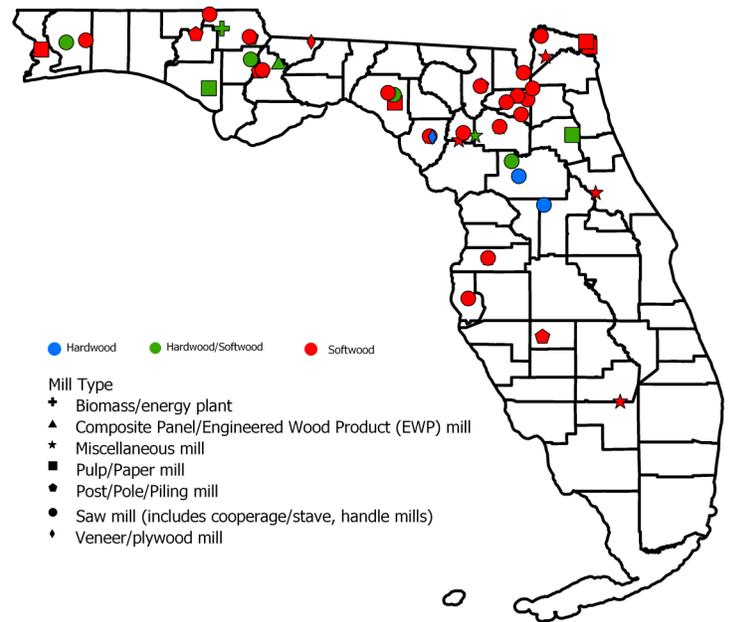


Figure 3—Primary wood-using mills, Florida, 2013.

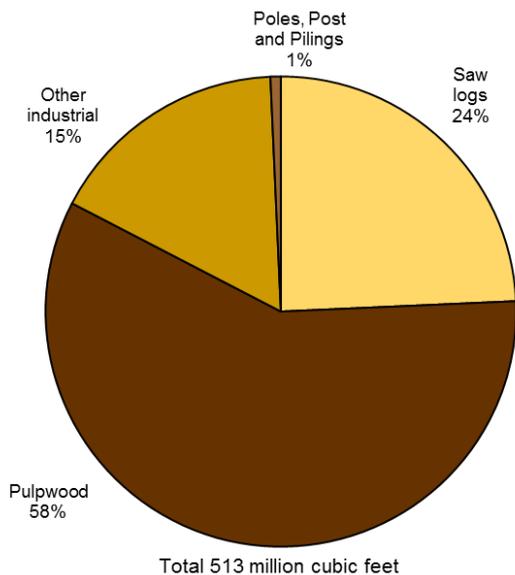


Figure 2— Roundwood production by type of product, Florida, 2013.

## Pulpwood

Total pulpwood production increased 7 percent to 299.4 million cubic feet and accounted for 58 percent of the State's total roundwood TPO compared to 60 percent of total TPO in 2011. Softwood output increased 7 percent to 284.4 million cubic feet; hardwood output increased 7 percent to 15 million cubic feet (fig. 4).

Six pulpmill facilities were operating and receiving roundwood in Florida in 2013, the same since 1999. Total pulpwood receipts for these mills increased to 338.9 million cubic feet, accounting for 63 percent of total receipts for all mills.

Eighty-one percent of roundwood cut for pulpwood was retained for processing at Florida pulpmills. Roundwood pulpwood accounted for 55 percent of total known exports and 80 percent of total imports.

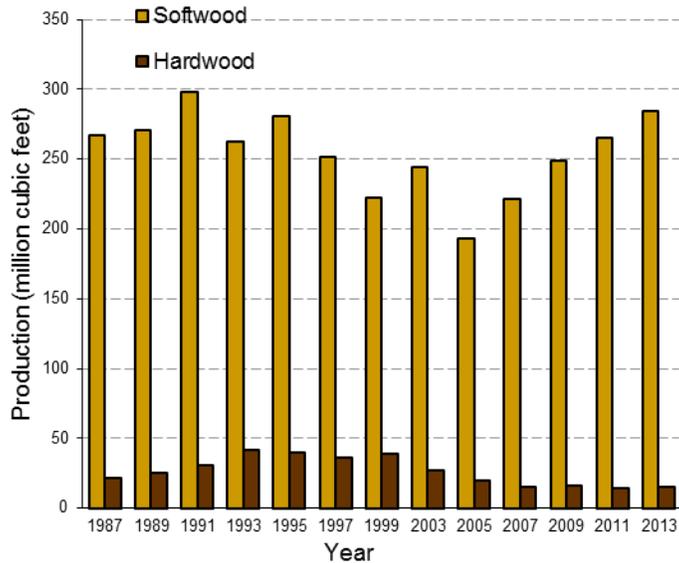


Figure 4—Roundwood pulpwood production by species group and year, Florida, 2013.

## Saw Logs

Saw logs accounted for 24 percent of the State's total roundwood products. Output of softwood saw logs increased 21 percent to 122.7 million cubic feet, while that of hardwood saw logs increased <1 percent to 2 million cubic feet (fig. 5).

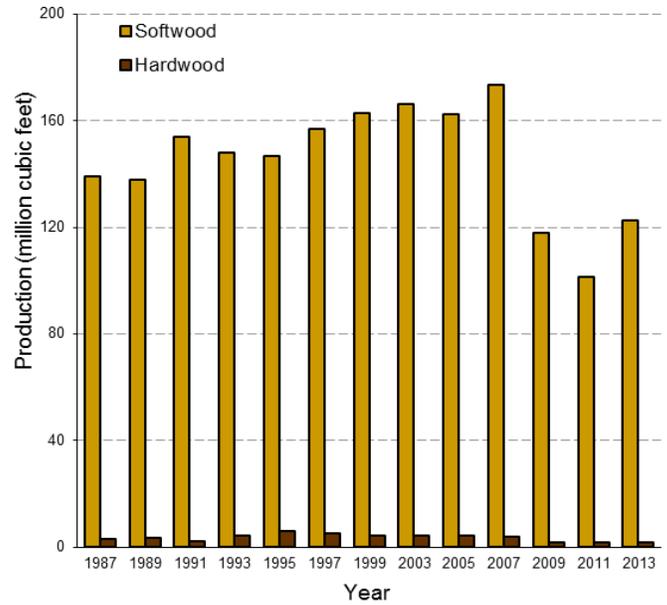


Figure 5—Roundwood saw-log production by species group and year, Florida, 2013.

In 2013, Florida had 24 sawmills, same as 2011. Total saw-log receipts increased 19.1 million cubic feet to 119.4 million cubic feet. Softwood saw-log receipts increased 20 percent to 117.8 million cubic feet, while those of hardwoods had no change at 1.6 million cubic feet.

Florida retained 87 percent of its saw-log production for within State manufacture, with saw-log exports exceeding imports by 400 thousand cubic feet in 2013.

## Other Industrial Products

Roundwood harvested for other industrial uses such as poles, posts, mulch, residential firewood, industrial fuel, logs for log homes, composite panels, and all other industrial products totaled 81 million cubic feet. Softwood made up 93 percent of the other industrial products volume.

The number of plants producing other industrial products totaled 21 in 2011. Combined receipts of other industrial products from softwood and hardwood totaled 43 million cubic feet. Industrial fuel accounted for 29.8 million cubic feet, or 69 percent, of receipt volume for this category.

## Plant Byproducts

In 2013, processing of primary products in Florida mills generated 124.4 million cubic feet of wood and bark residues. Coarse residues from all primary products amounted to 41.8 million cubic feet, while bark volume totaled 49.1 million cubic feet. Collectively, sawdust and shavings made up 27 percent of total residues, or 33.6 million cubic feet (fig. 6).

The processing of saw logs generated 78 million cubic feet of mill residues, accounting for 63 percent of the total residues produced (fig. 7).

Nearly 100 percent, or 124.4 million cubic feet, of the wood and bark residues were used for a product. While <1 percent of the residues were not used for a product, 47 percent of the residues were used for industrial fuel and 31 percent were used for fiber products (fig. 8). Eighty-seven percent, or 34.0 million cubic feet, of the coarse residues were used for fiber products. Seventy-eight percent of the bark was used for industrial fuel, while 73 percent of the sawdust and shavings were used for industrial fuel.

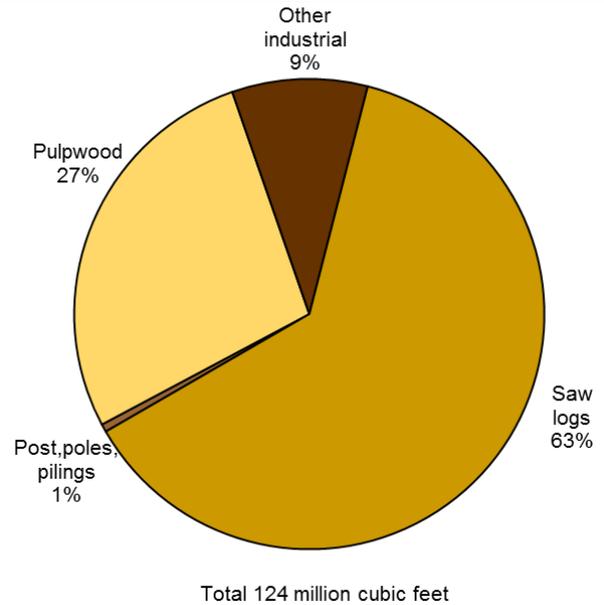


Figure 7— Primary mill residue produced by roundwood type, Florida, 2013.

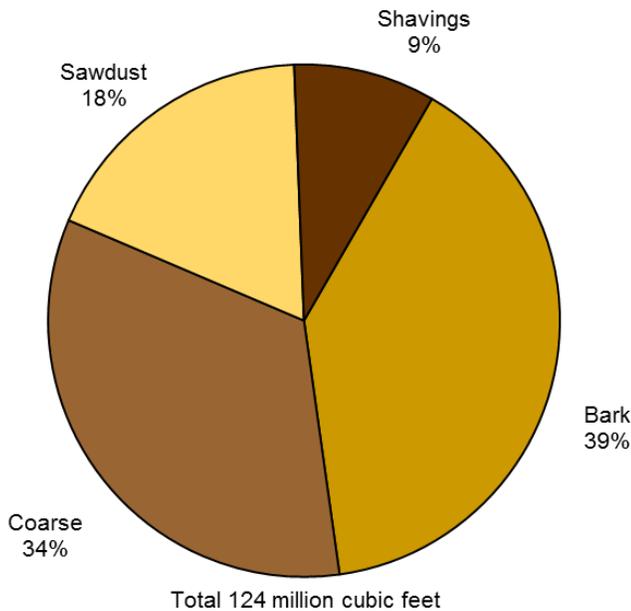


Figure 6 — Primary mill residue by type, Florida, 2013.

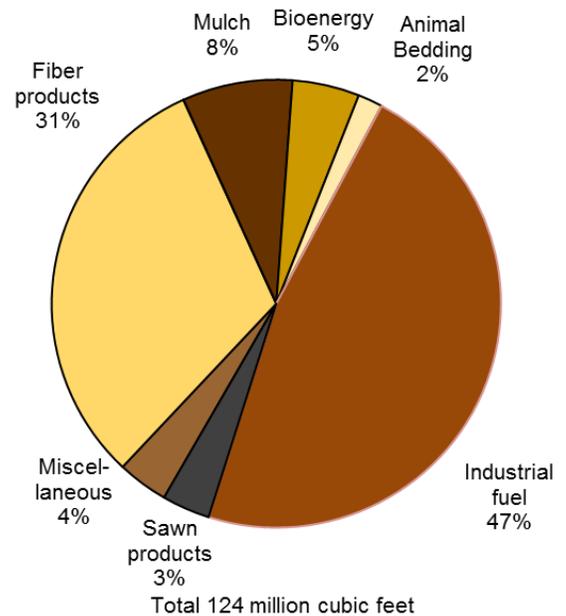


Figure 8— Disposal of residue by product, Florida, 2013.

### How to Cite This Publication

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