



United States Department of Agriculture

Sawmill Processing Capacity in Southeast Alaska: 2000 to 2017

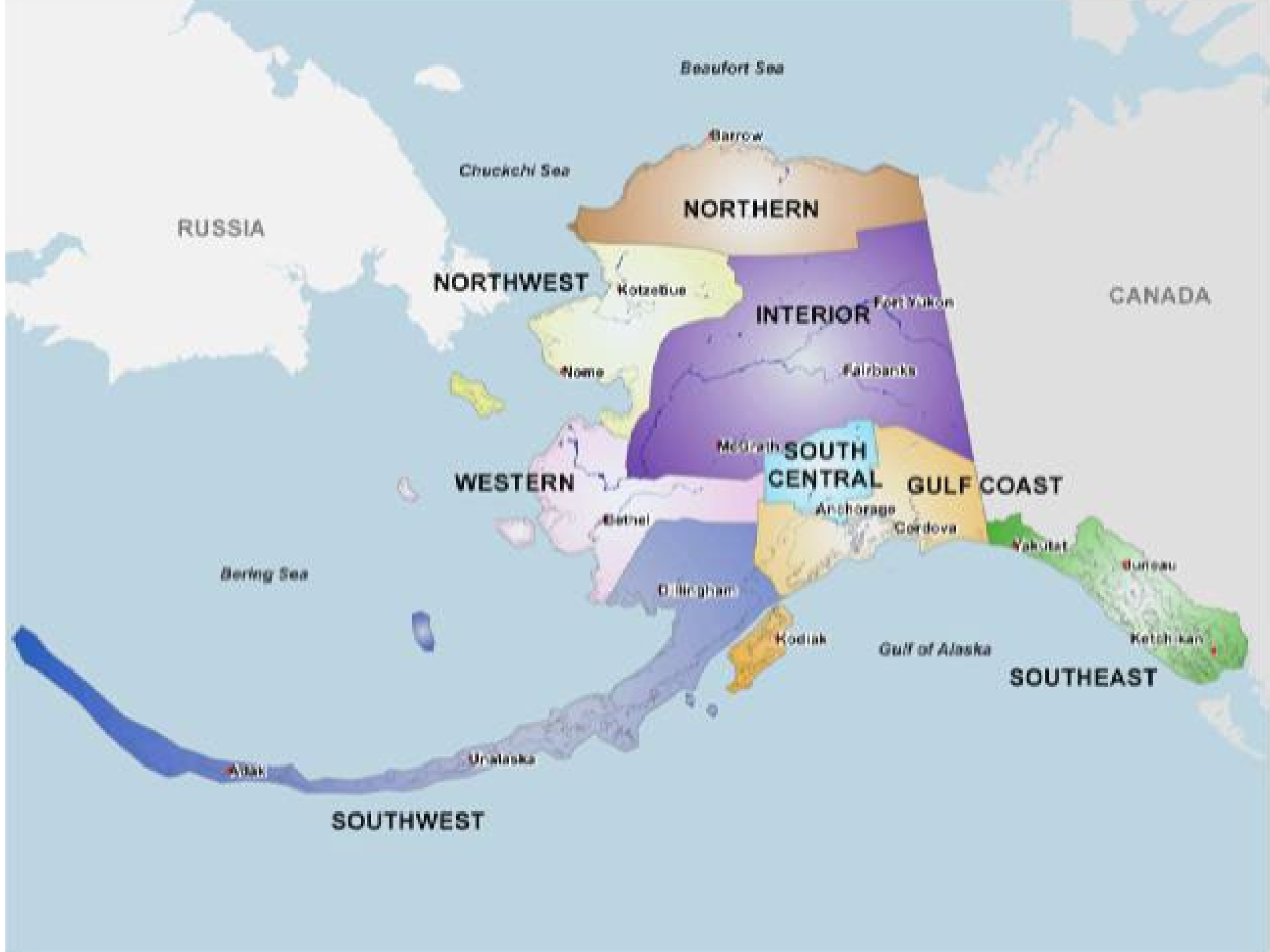
Jean M. Daniels
Susan J. Alexander
Daniel J. Parrent
Nicole R. Grewe

2019 Western Forest
Economists Meeting
Hood River, Oregon



Forest Service

June 4, 2019



Alaska Forest Industry Data: Two Sources

PNW-FIA-TPO (U Montana)

USFS-S&PF for R10 (Dan Parrent)

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With over 30 years of experience tracking the operations of the forest products industry in the west at the state and county level, the BBER has become a leader in providing data on the sector not available anywhere else. By tracking the log from the stump to the primary processing facility, BBER is able to characterize the volume of timber being harvested, where and how it is processed, finished product volumes and value, as well as the utilization and marketing of manufacturing residues.

Data are made available as summary tables, General Technical Reports and in response to individual data requests.

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2015.1 Harvest
2015.2 Mills
2015.3 Industry

The BBER Forest Industry Research Program participates in the national Timber Products Output (TPO) program where data on timber harvest and industry outputs are available for all states.

- FIA Database Retrieval System
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REPORT TO ECOSYSTEM PLANNING AND BUDGET
USDA FOREST SERVICE, ALASKA REGION

TONGASS NATIONAL FOREST: 2017 SAWMILL CAPACITY AND PRODUCTION REPORT

INTRODUCTION

Since 2000, the United States Forest Service (USFS), Alaska Region Office has conducted an annual key-informant survey of sawmills across the Tongass National Forest, spanning from Haines to Metlakatla. The purpose of the annual survey is to gather information regarding current sawmill operations including total estimated capacity, actual production, harvested lands, forest products, market destinations, and general business expansion and retention challenges. The *Tongass National Forest: 2017 Sawmill Capacity and Production Report* summarizes key survey findings, provides brief supplemental discussion, and presents a longitudinal perspective of sawmill performance during the past seventeen years. Survey findings are organized into seven substantive sections including:

- Longitudinal Survey Results
- Sawmill Overview
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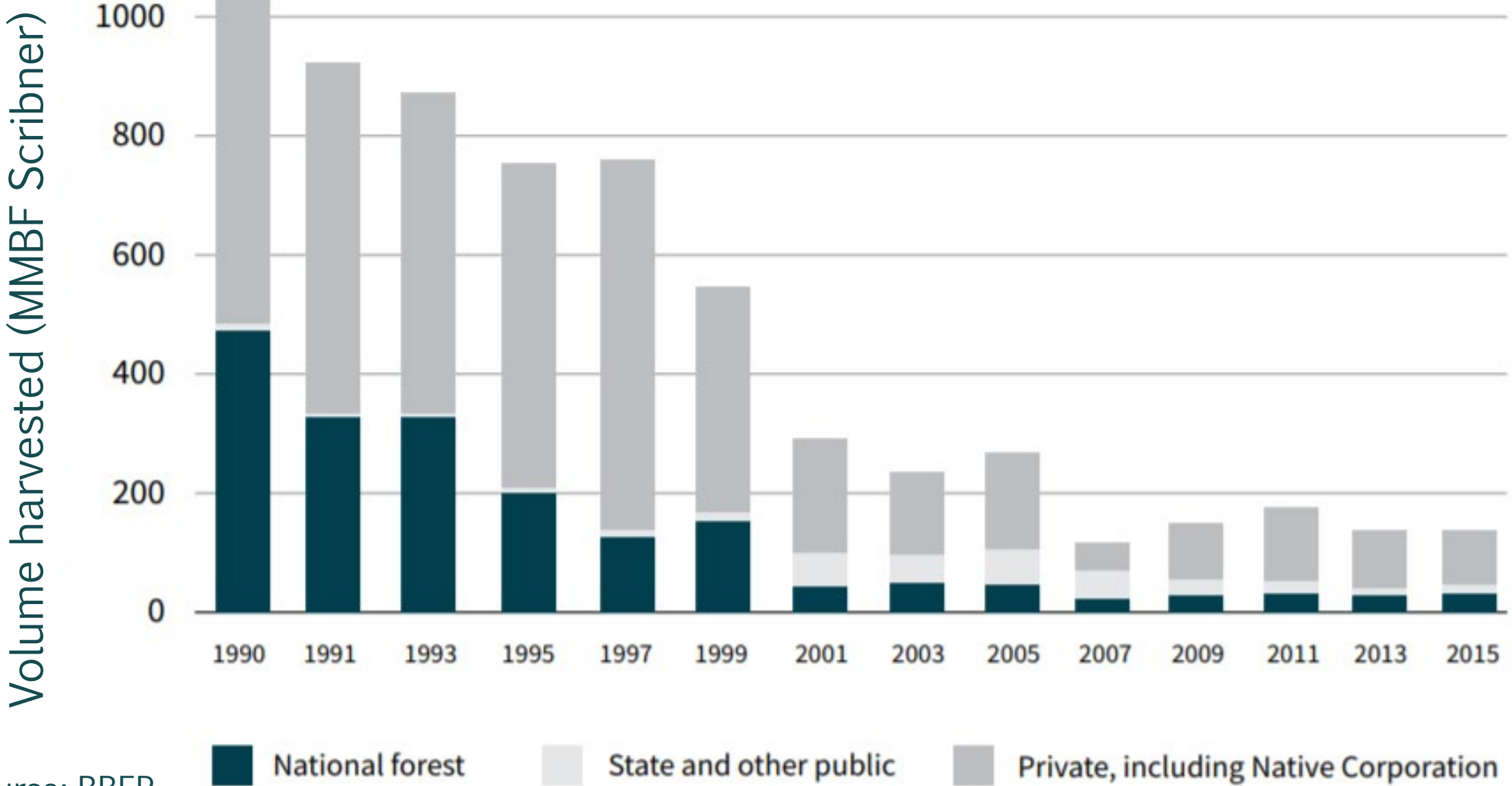
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- [FIA Database Retrieval System](#)
- [TPO Database Retrieval System](#)

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- Statewide
- 100% mill census
- Periodic ~ every 4 years
- 2005, 2011, 2015

Alaska statewide timber harvest



Source: BBER

Alaska Primary Forest Products Manufacturers, 2015

Mill Type

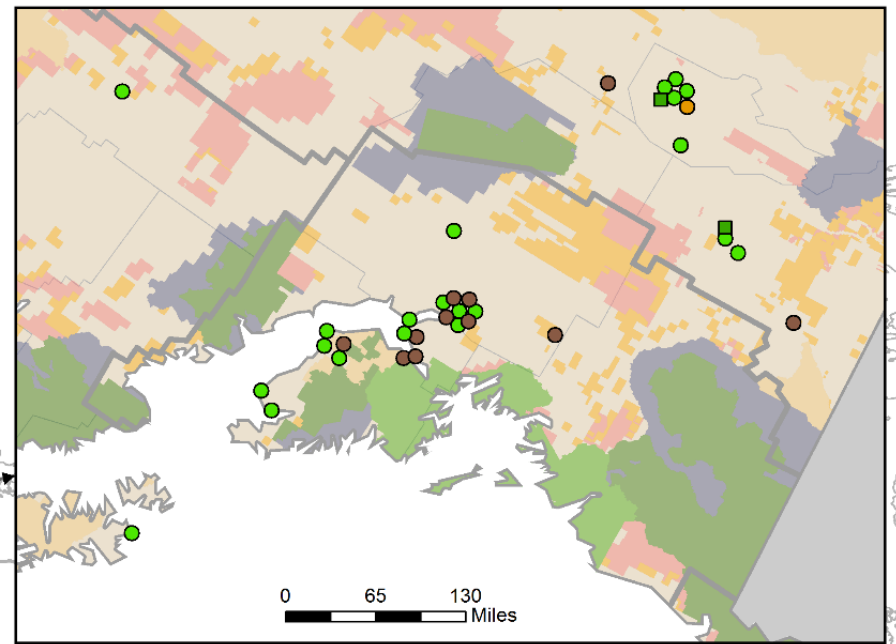
- Sawmill
- Log home
- Cedar products
- Firewood
- Tonewood
- Fuel pellet

Ownership

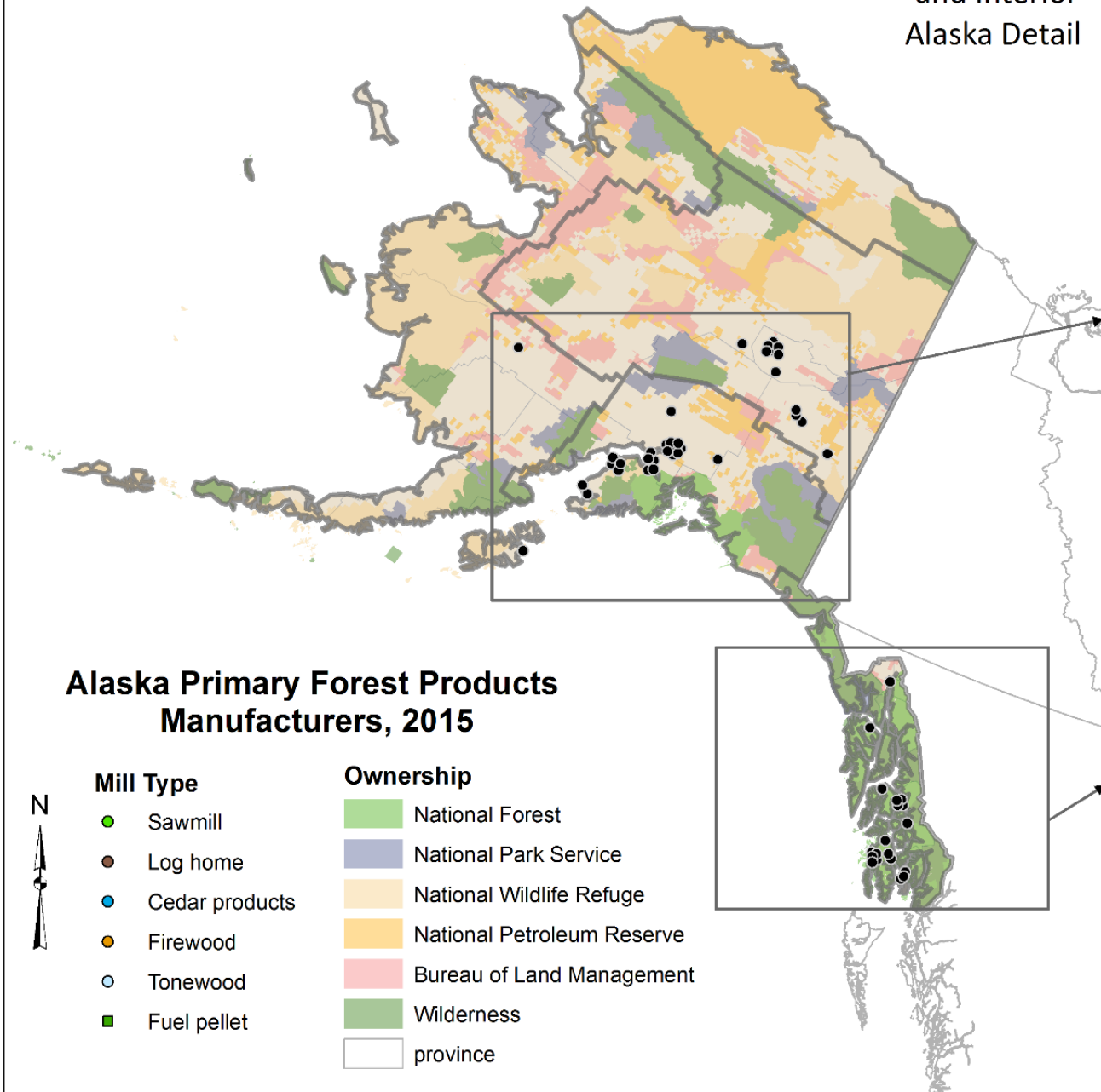
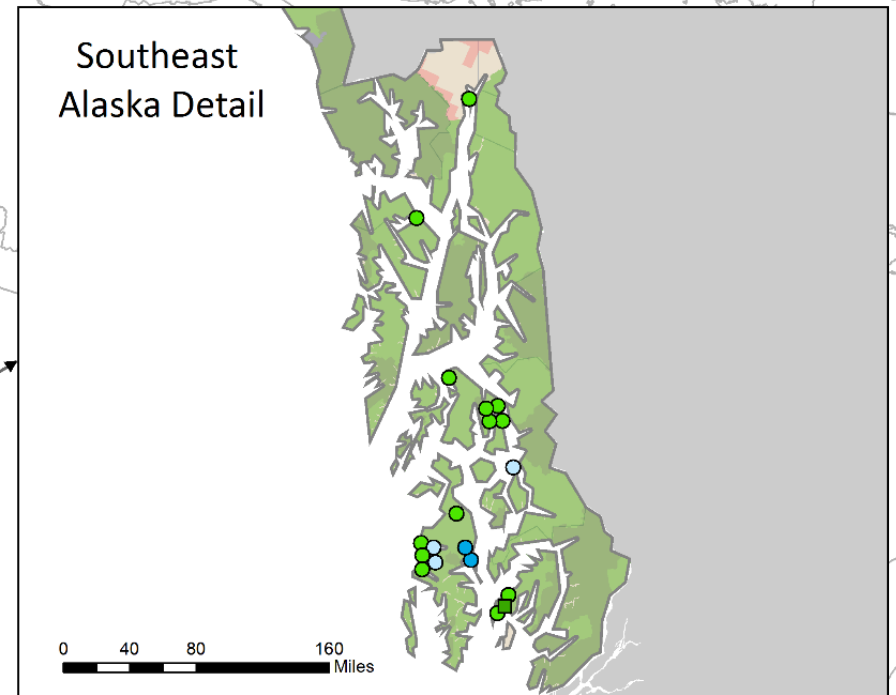
- National Forest
- National Park Service
- National Wildlife Refuge
- National Petroleum Reserve
- Bureau of Land Management
- Wilderness
- province



South-Central and Interior Alaska Detail

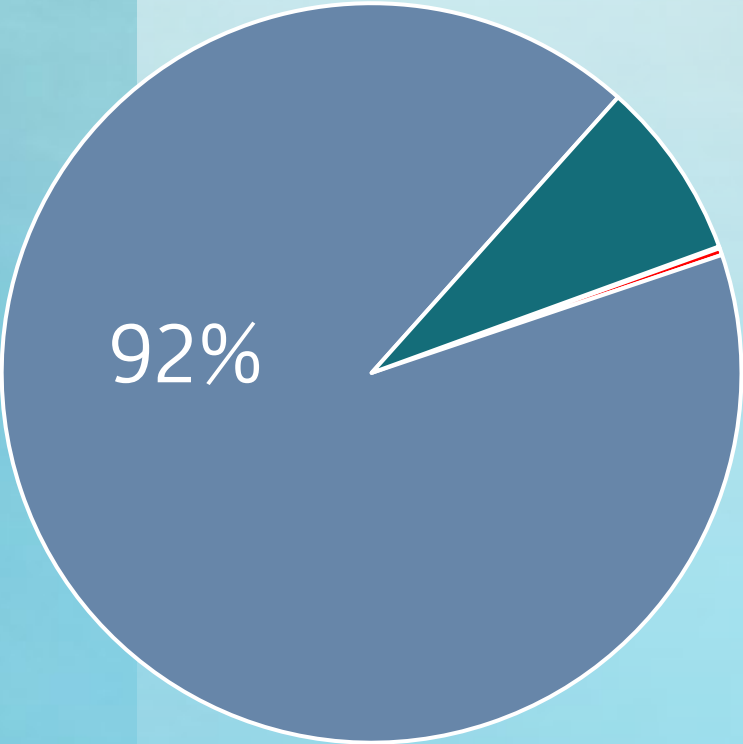


Southeast Alaska Detail



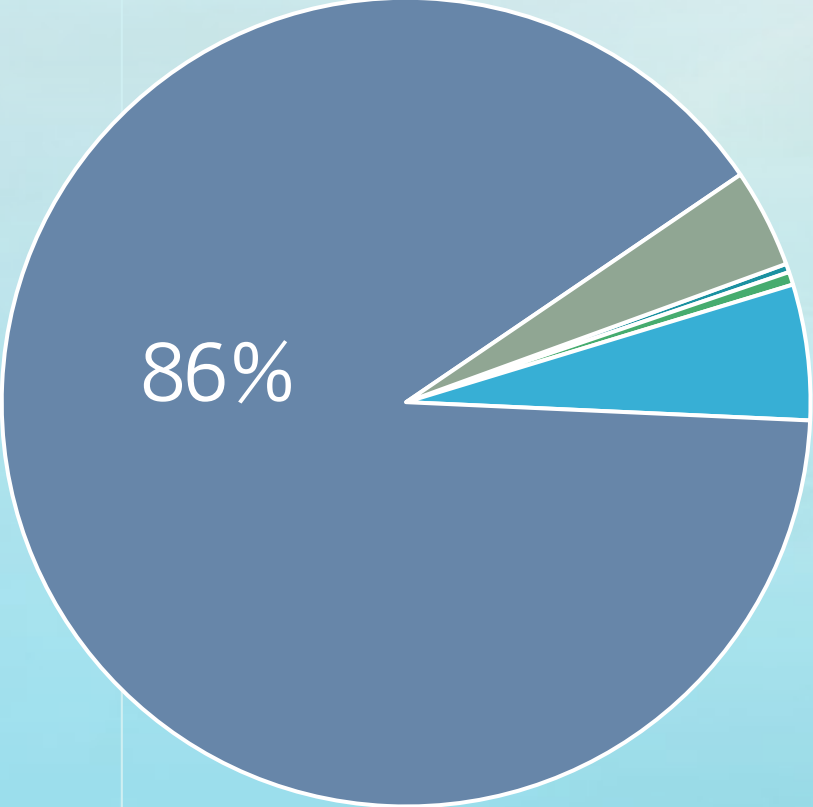
Disposition of Alaska Harvest by Industry

2005



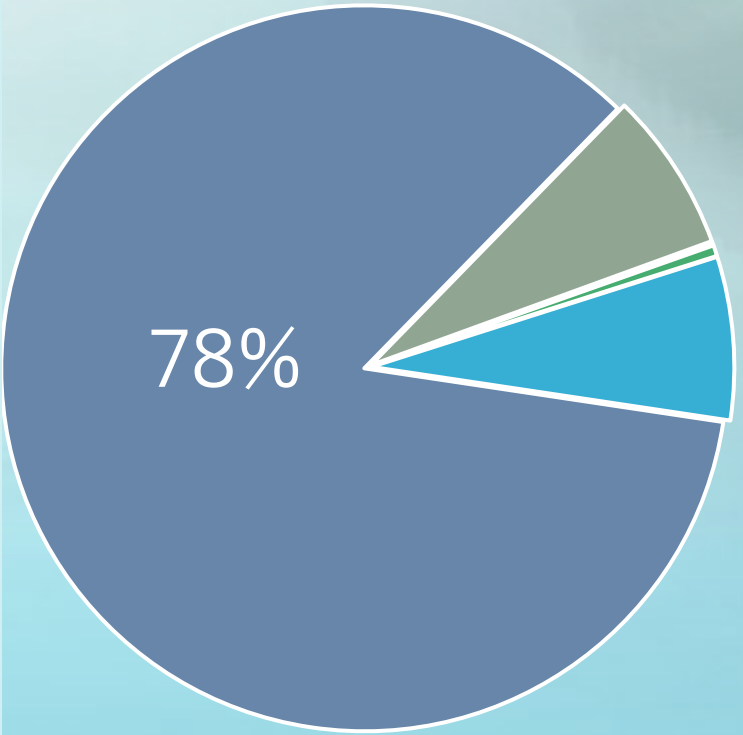
- Other manufacturers
- Fuelwood
- Sawmills

2011



- House logs and log homes
- Log exports

2015



Alaska Primary Forest Products Manufacturers, 2015



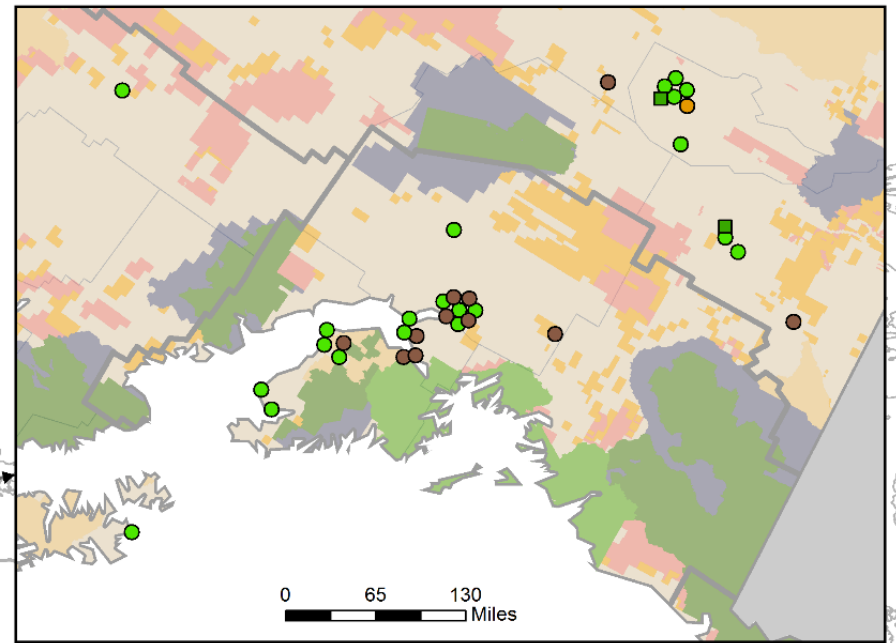
Mill Type

- Sawmill
- Log home
- Cedar products
- Firewood
- Tonewood
- Fuel pellet

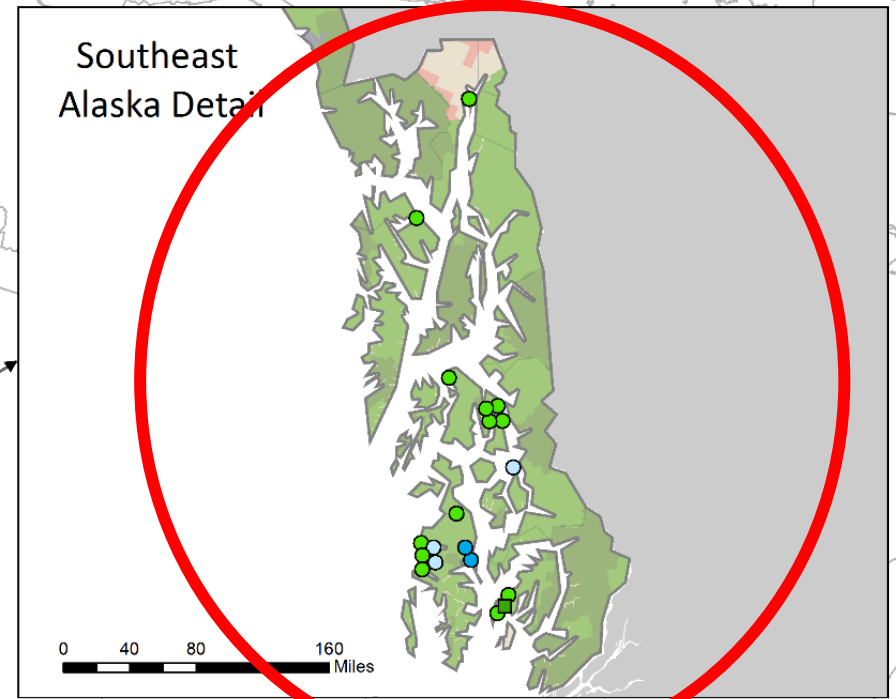
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Southeast Alaska Detail



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U.S. DEPARTMENT OF AGRICULTURE

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USFS-S&PF for R10 (Dan Parrent)

- Annual longitudinal survey, 2000-2017
- 2000: 20 mills, 2017: 8 mills
- Capacity
 - Net sawlog volume, 250-day per year, two shifts per day annual operating schedule
 - Not limited by availability of workforce, raw materials, or market conditions
- Production volume
- Log consumption (volume)
- Ownership
- Species
- Product



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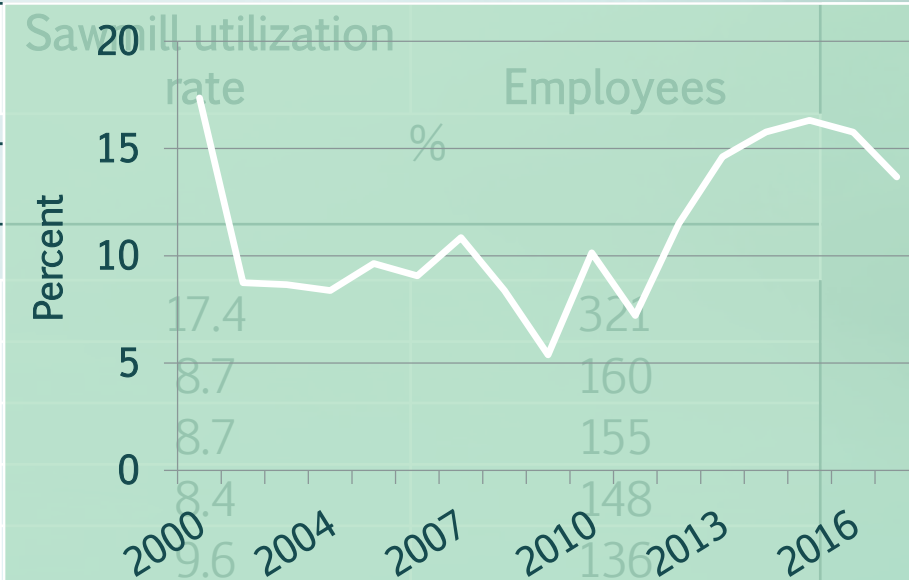
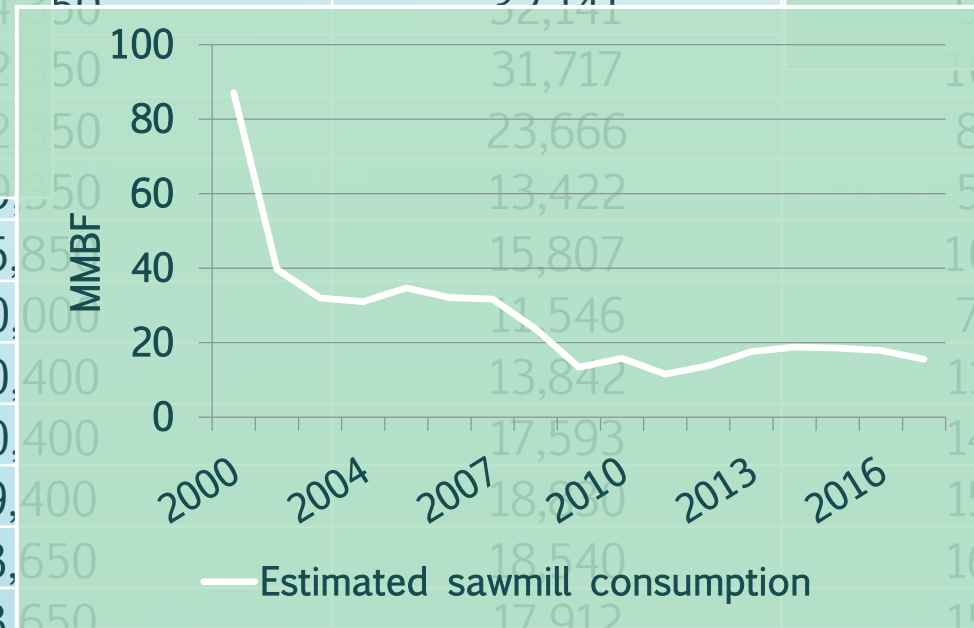
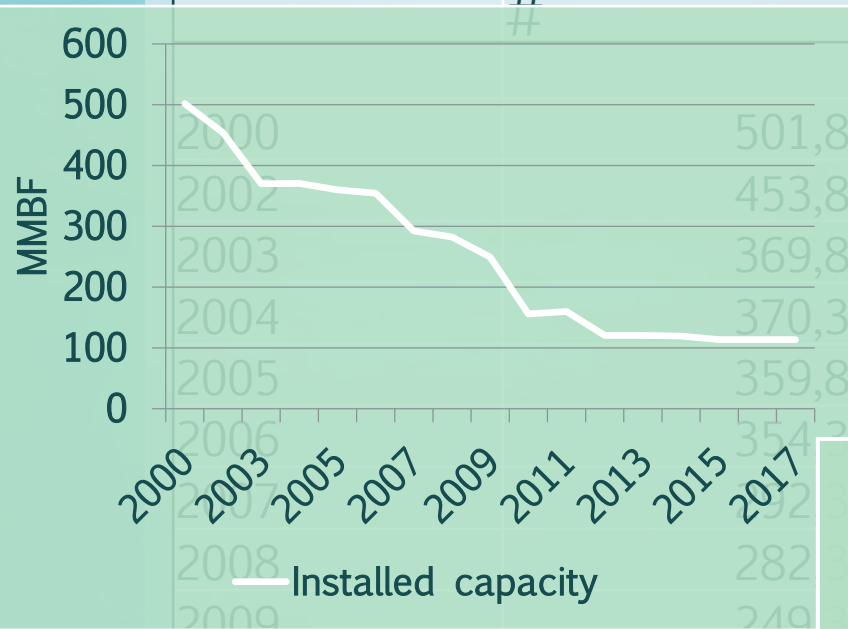
Year	Mill Name	Status	Estimated mill capacity (log scale, MBF)	Estimated mill production (log scale, MBF)	Percent utilization of installed capacity
2017	D&L Woodworks	Active	1,750	60	3.4
2017	Icy Straits Lumber & Milling Co.	Active	3,000	500	16.7
2017	Falls Creek Forest Products	Active	3,000	10	0.3
2017	The Mill	Active	6,000	24	0.4
2017	Good Faith Lumber Co. LLC	Active	6,250	200	3.2
2017	Thuja Plicata Lumber	Active	1,000	100	10.0
2017	Viking Lumber Co.	Active	80,000	14,000	17.5
2017	Western Gold Cedar Products	Active	6,500	650	10.0
2017	Northern Star Cedar	Idle	2,500	0	0
2017	Porter Lumber Co.	Idle	2,500	0	0
2017	St. Nick Forest Products	Idle	1,150	0	0
2017	Alaska Fibre	Uninstalled	0	0	0
2017	Annette Island Sawmill (KPC)	Uninstalled	0	0	0
2017	Chilkoot Lumber Co.	Uninstalled	0	0	0
2017	Gateway Forest Products (lumber)	Uninstalled	0	0	0
2017	Ketchikan Renaissance Group (veneer)	Uninstalled	0	0	0
2017	Herring Bay Lumber	Uninstalled	0	0	0
2017	Kasaan Mountain Lumber & Log	Uninstalled	0	0	0
2017	Metlakatla Forest Products	Uninstalled	0	0	0
2017	Pacific Log & Lumber	Uninstalled	0	0	0
2017	Silver Bay, Inc.	Uninstalled	0	0	0
2017	Thorne Bay Enterprises	Uninstalled	0	0	0

SE annual industry summary

Calendar year	Installed sawmill capacity	Estimated sawmill production ^c	Sawmill utilization rate	Employees
	- - - - Thousand board feet (Scribner log scale) - - - -		%	
	#			
2000	501,850	87,117	17.4	321
2002	453,850	39,702	8.7	160
2003	369,850	32,005	8.7	155
2004	370,350	31,027	8.4	148
2005	359,850	34,695	9.6	136
2006	354,350	32,141	9.1	123
2007	292,350	31,717	10.8	133 ^e
2008	282,350	23,666	8.4	94
2009	249,350	13,422	5.4	58
2010	155,850	15,807	10.1	64
2011	160,000	11,546	7.2	56
2012	120,400	13,842	11.5	58
2013	120,400	17,593	14.6	60
2014	119,400	18,830	15.8	54
2015	113,650	18,540	16.3	51
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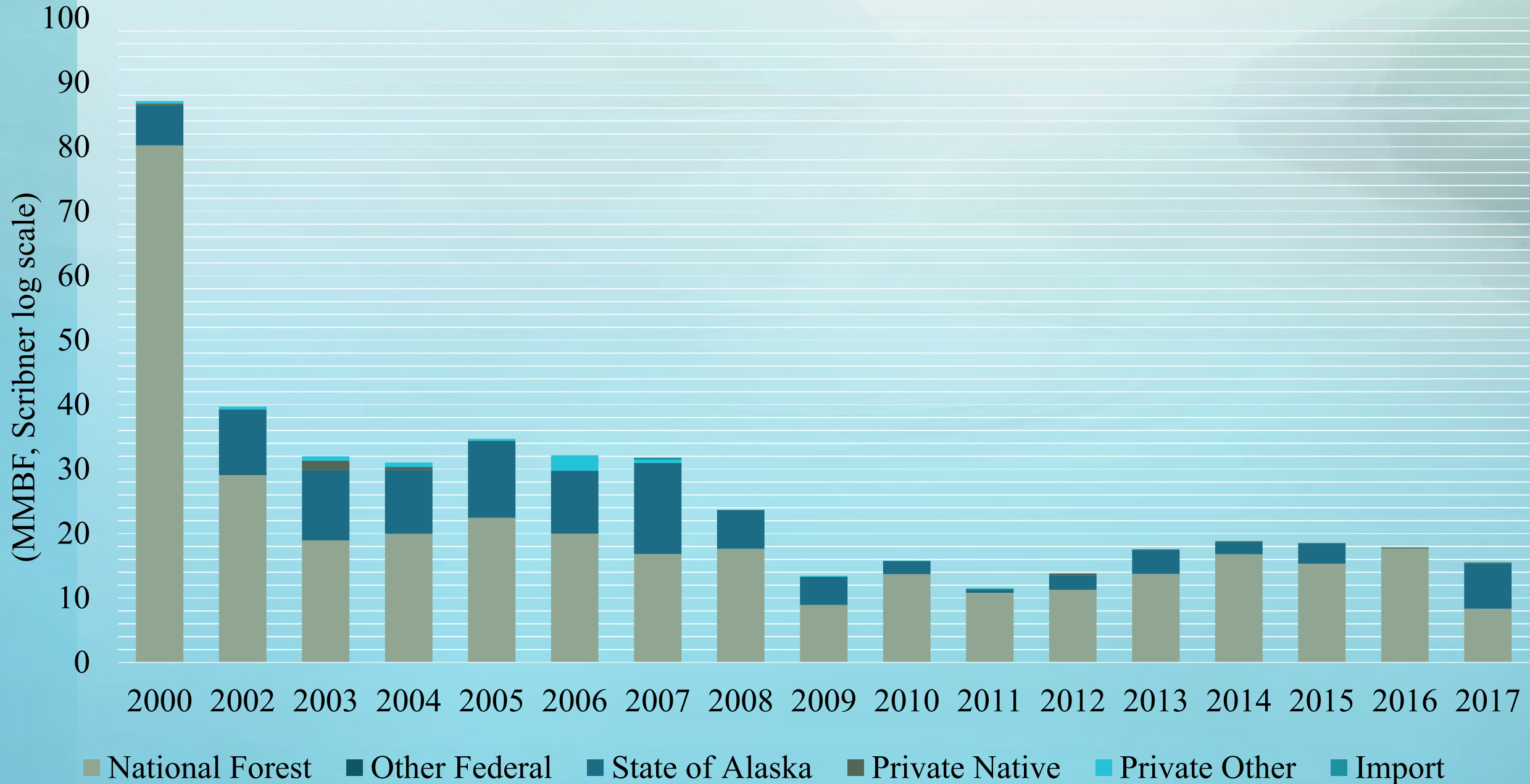
SEAK annual sawmill industry data

Calendar year	Installed sawmill capacity	Estimated sawmill production
	--- Thousand board feet (Scribner log scale) ---	
	#	

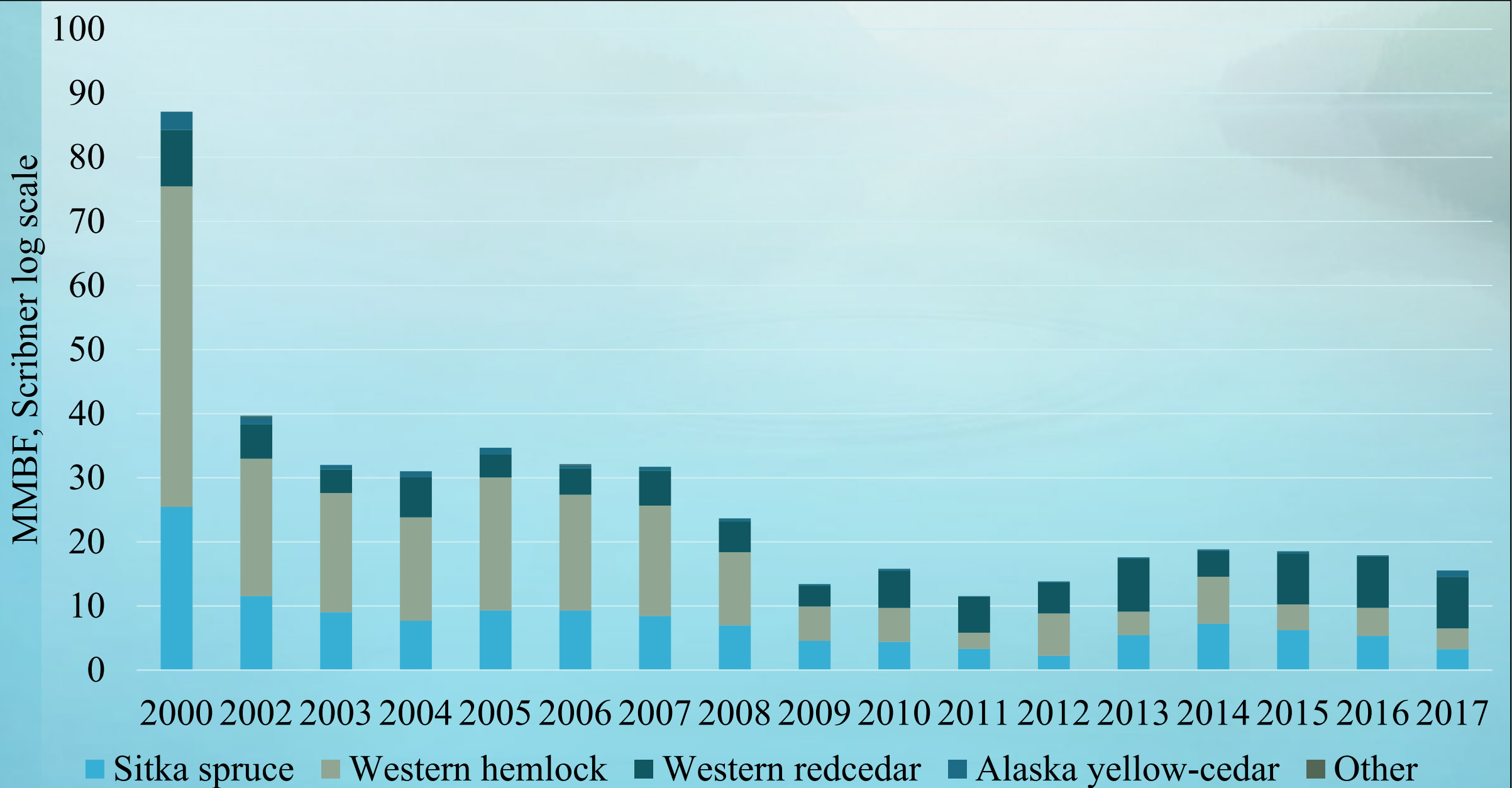


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Sawmill log consumption by timber owner



Sawmill log consumption by species



Sawmill production by grade



End markets for sawn products



Industrial concentration, log consumption by mill owner

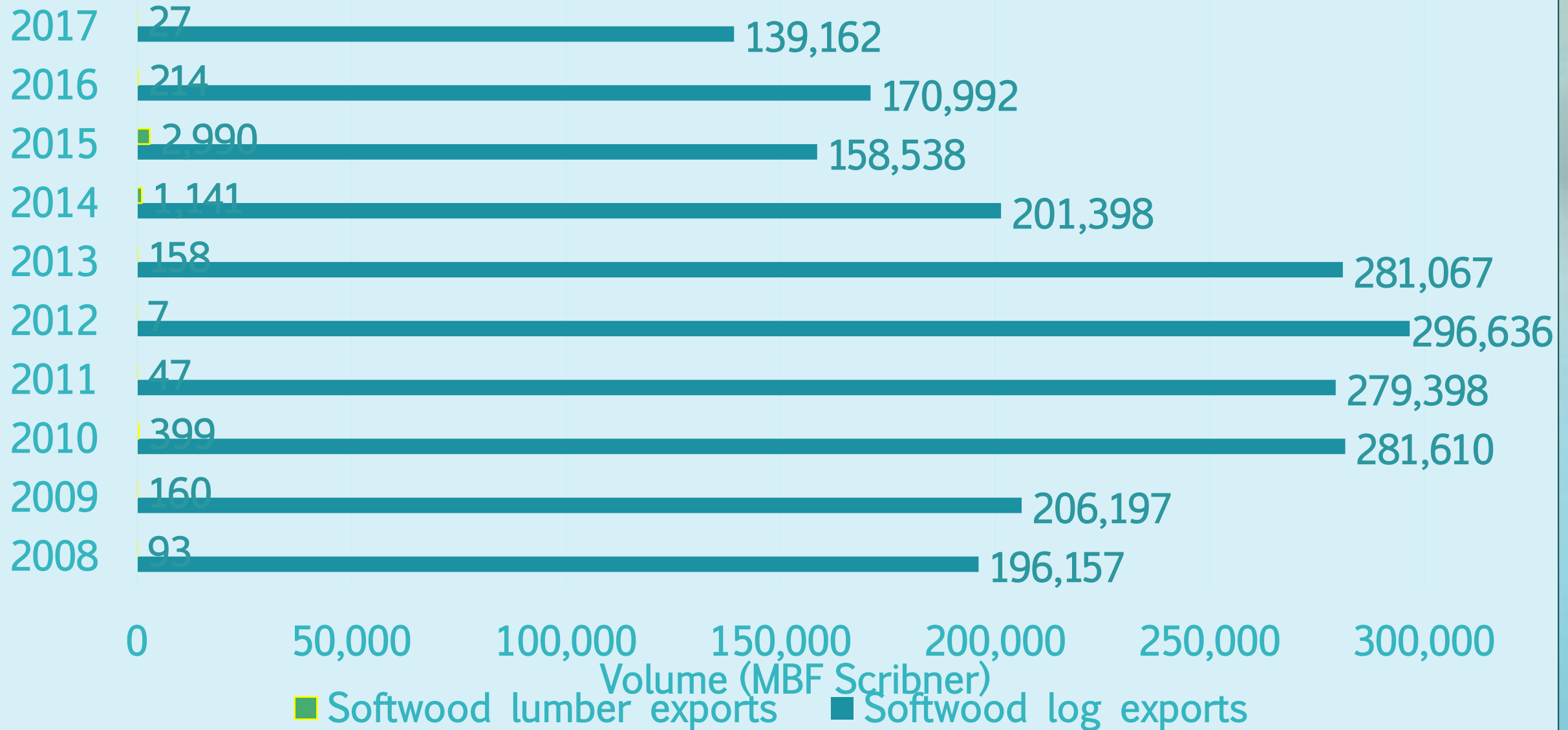


Tongass harvest vs. log exports




Source: Log export permits and cut and sold reports on R10 website

International trade: softwood log and lumber export volume from Alaska



Source: USITC dataweb, logs converted using 4.53, lumber converted using 2.36, statewide

A scenic landscape featuring a calm lake in the foreground that perfectly reflects the surrounding environment. The lake is flanked by lush green mountains, some of which are partially shrouded in a light mist. The sky is bright and clear, with a soft glow that suggests a sunrise or sunset. The overall color palette is dominated by greens, blues, and whites, creating a serene and peaceful atmosphere.

Questions? Comments?

jean.daniels@usda.gov