

Oak

Resource Importance & Trends

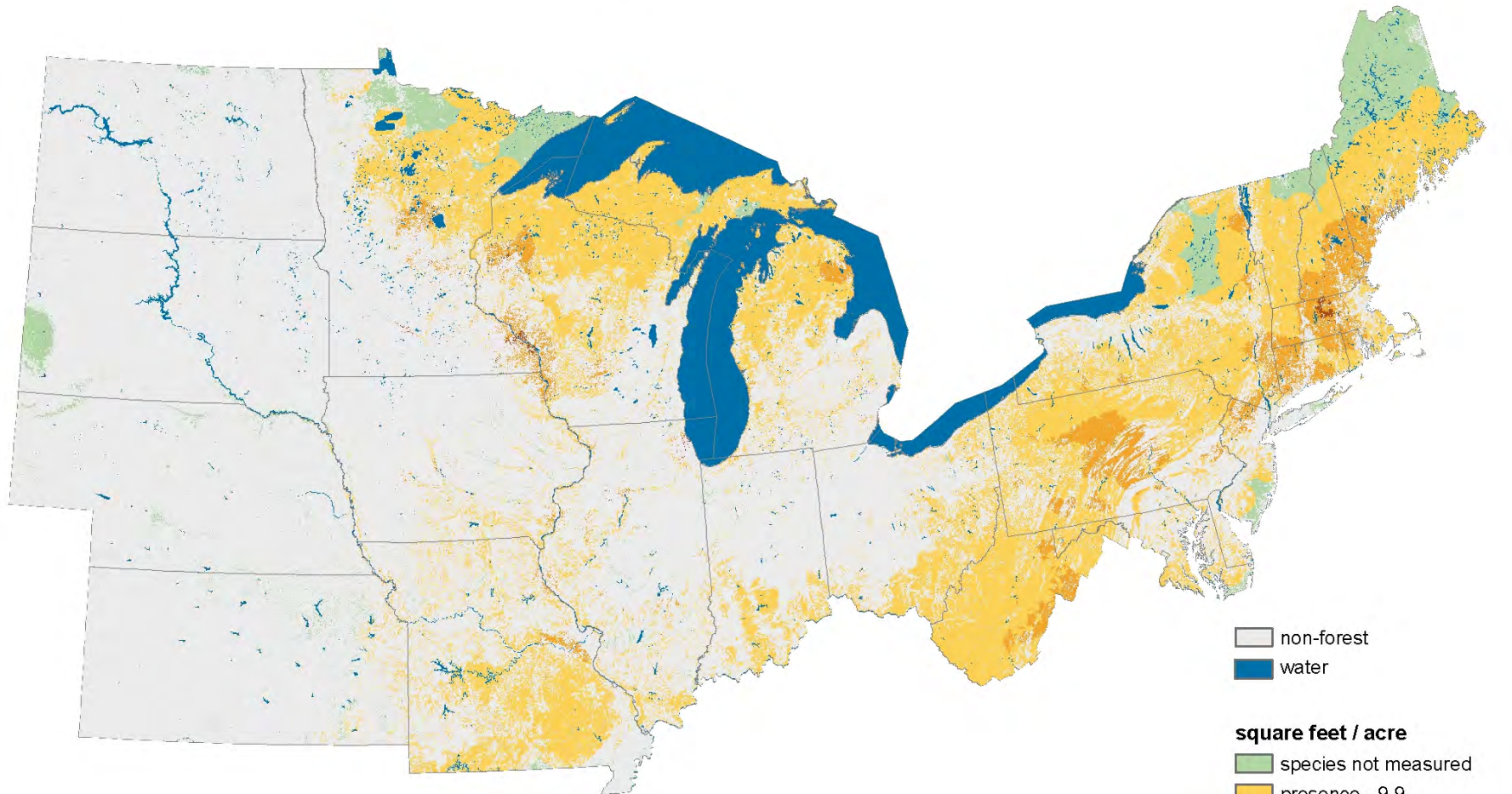
Kenneth M. Laustsen
Biometrician, Maine Forest Service
July 26, 2013

Discussion Points

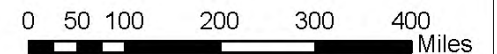
- Statewide
 - Species distribution maps (FIA 2006)
 - Overall inventory trends (1959 – 2011)
 - Sawlog quality (1959 – 2011)
 - Net growth vs. harvest (Growing Stock and Sawtimber) (FIA basis 1971 – 2011)
 - Long-term harvest (MFS basis 1949 - 2011)
- Areas of interest
 - Major forest type group acreage
 - Stocking by major forest type group
 - Stocking per acre for 3 major species

Northern red oak

Basal area per acre of forest land *

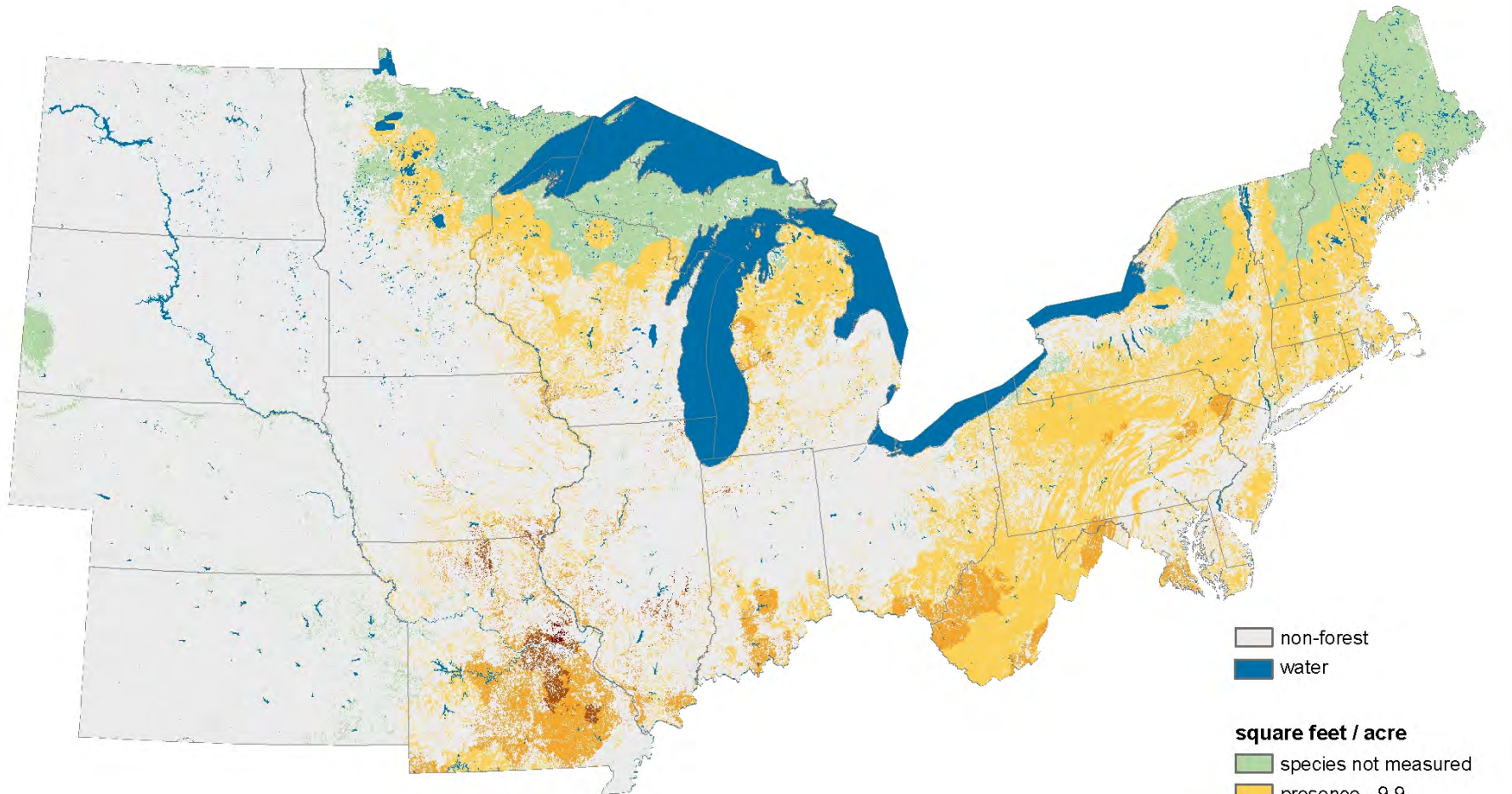


* estimates based on forested FIA plots (12/2006)



White oak

Basal area per acre of forest land *



non-forest
water

square feet / acre

species not measured
presence - 9.9
10 - 19.9
20 - 29.9
30 +

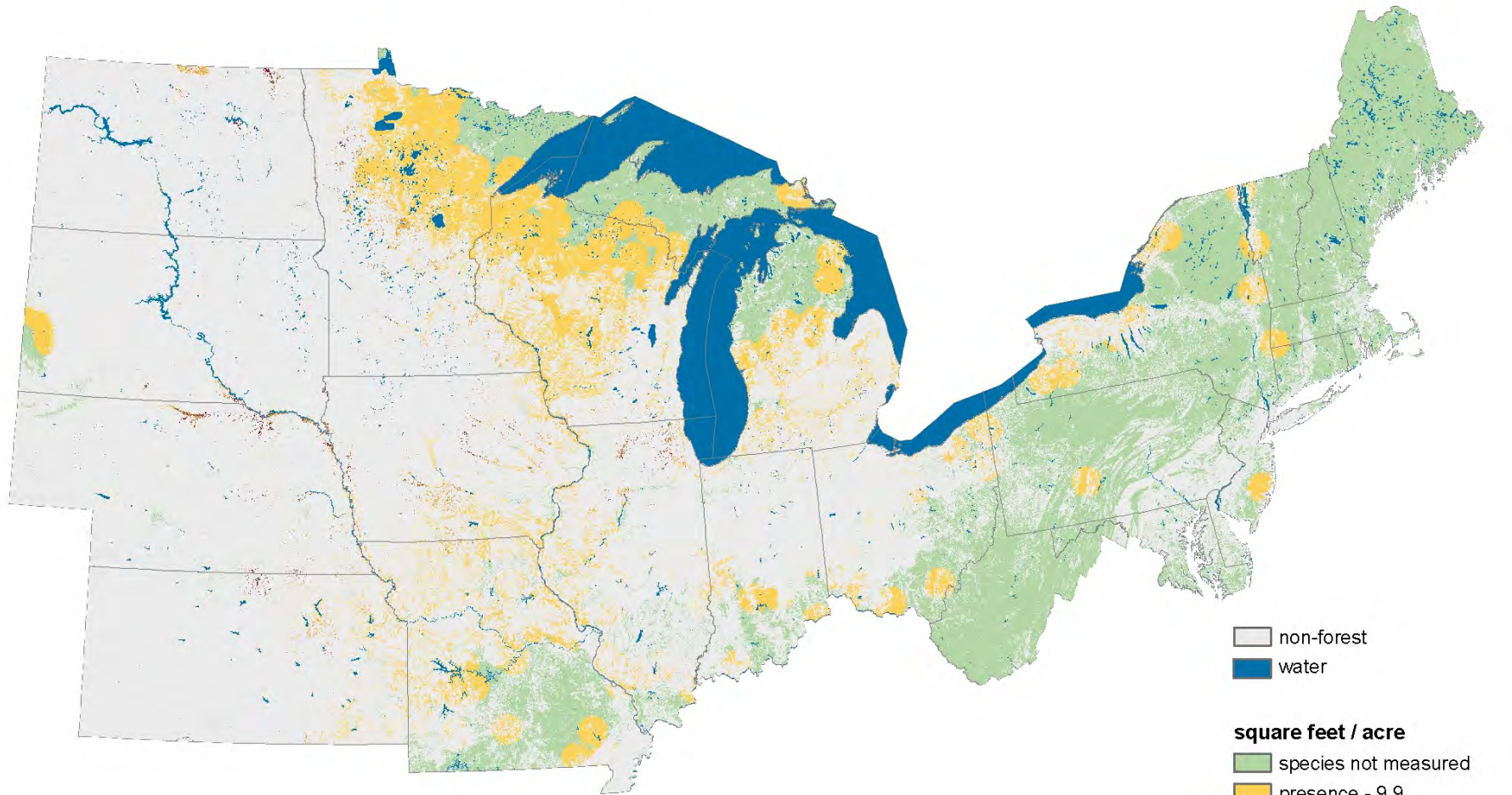
0 50 100 200 300 400 Miles

* estimates based on forested FIA plots (12/2006)



Bur oak

Basal area per acre of forest land *



non-forest
water

square feet / acre

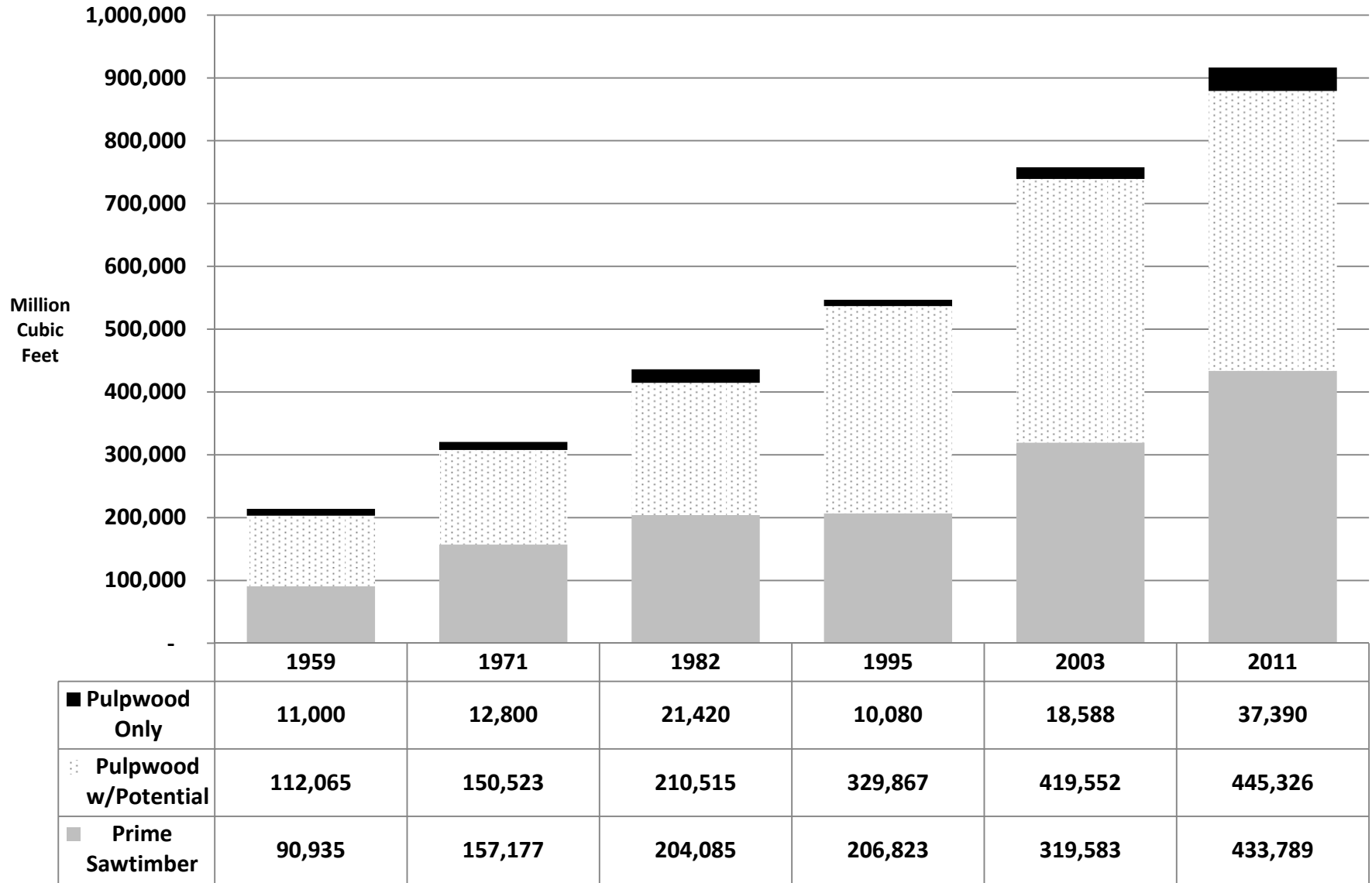
species not measured
presence - 9.9
10 - 19.9
20 - 29.9
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0 50 100 200 300 400 Miles

* estimates based on forested FIA plots (12/2006)

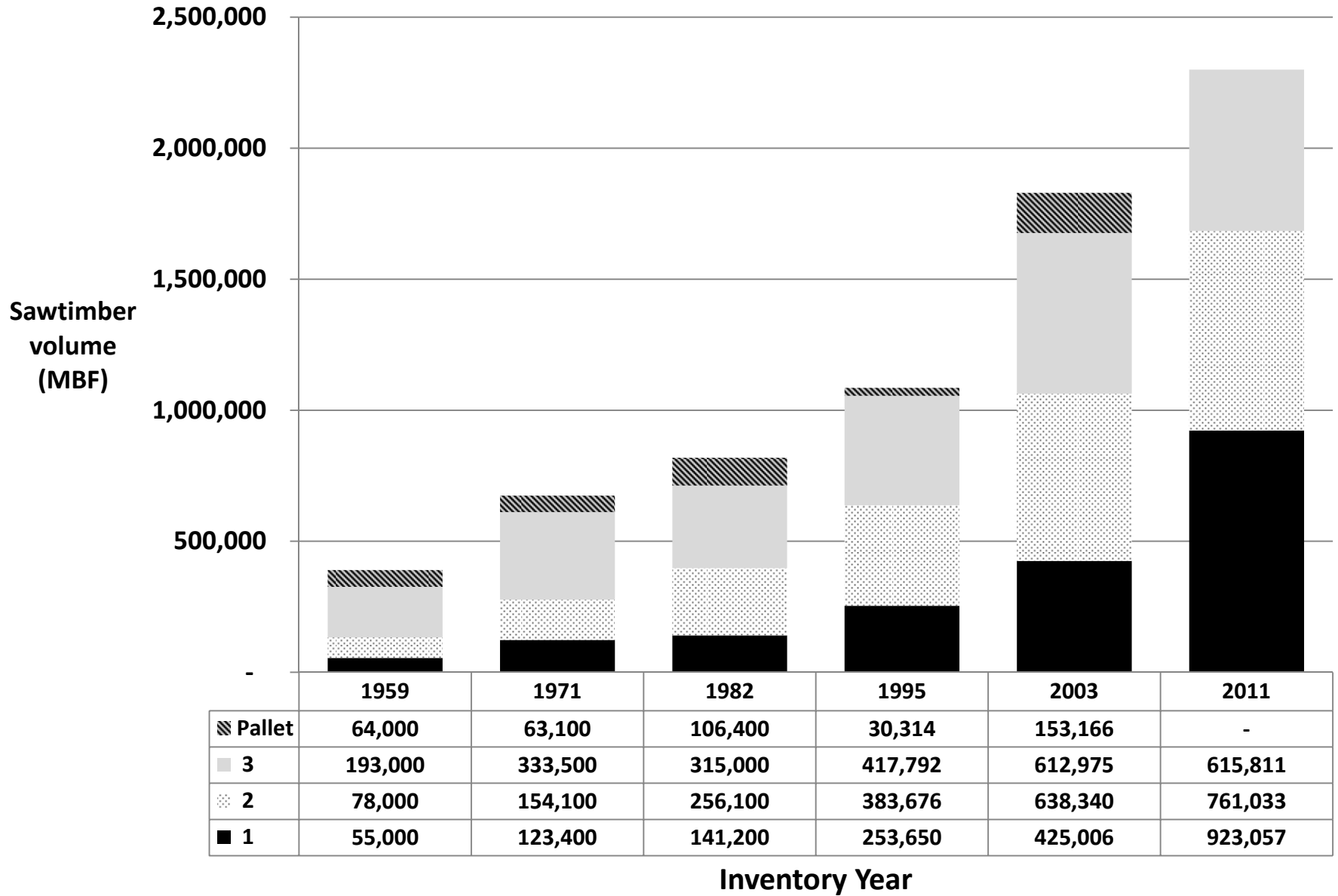


Oak volumes by quality and inventory year

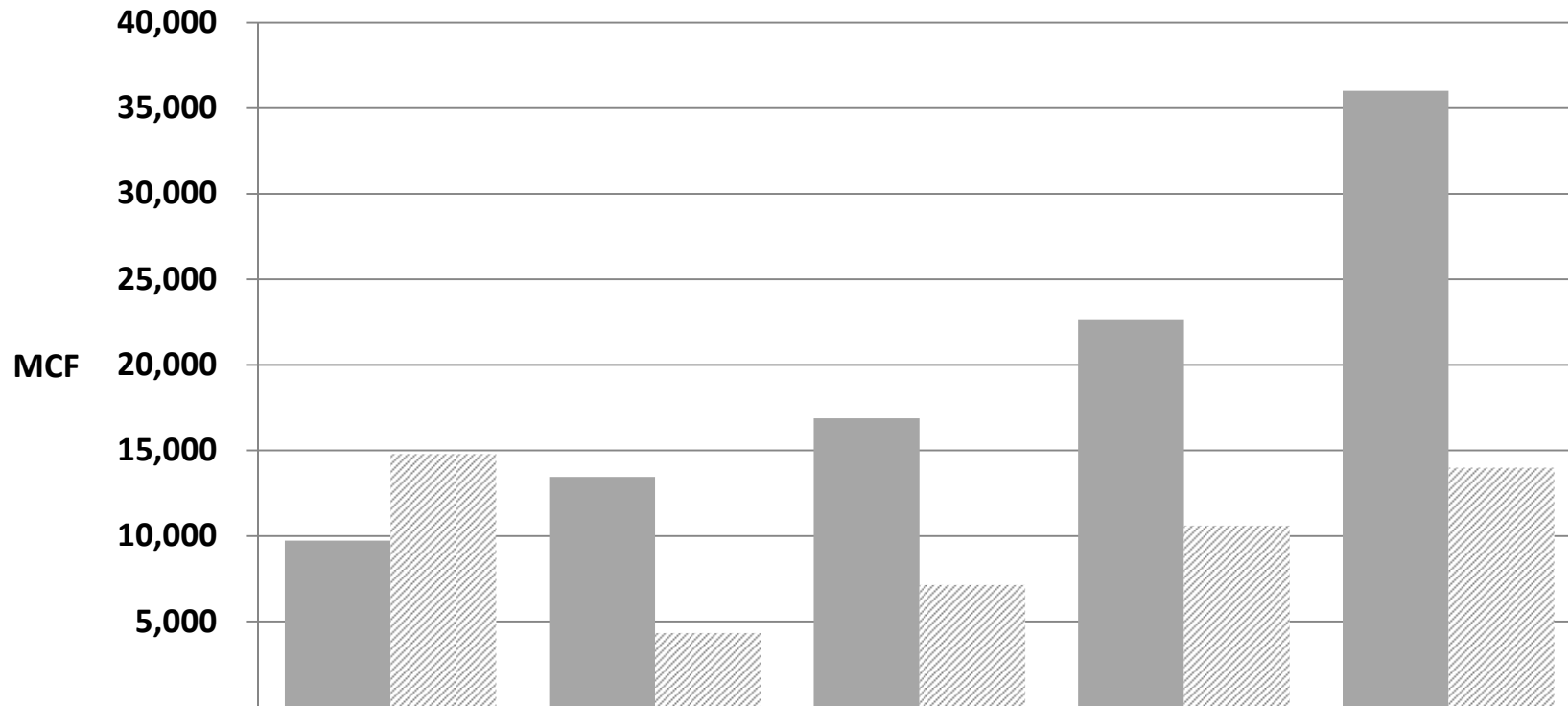


Inventory Year

Oak sawtimber volume by grade and inventory year

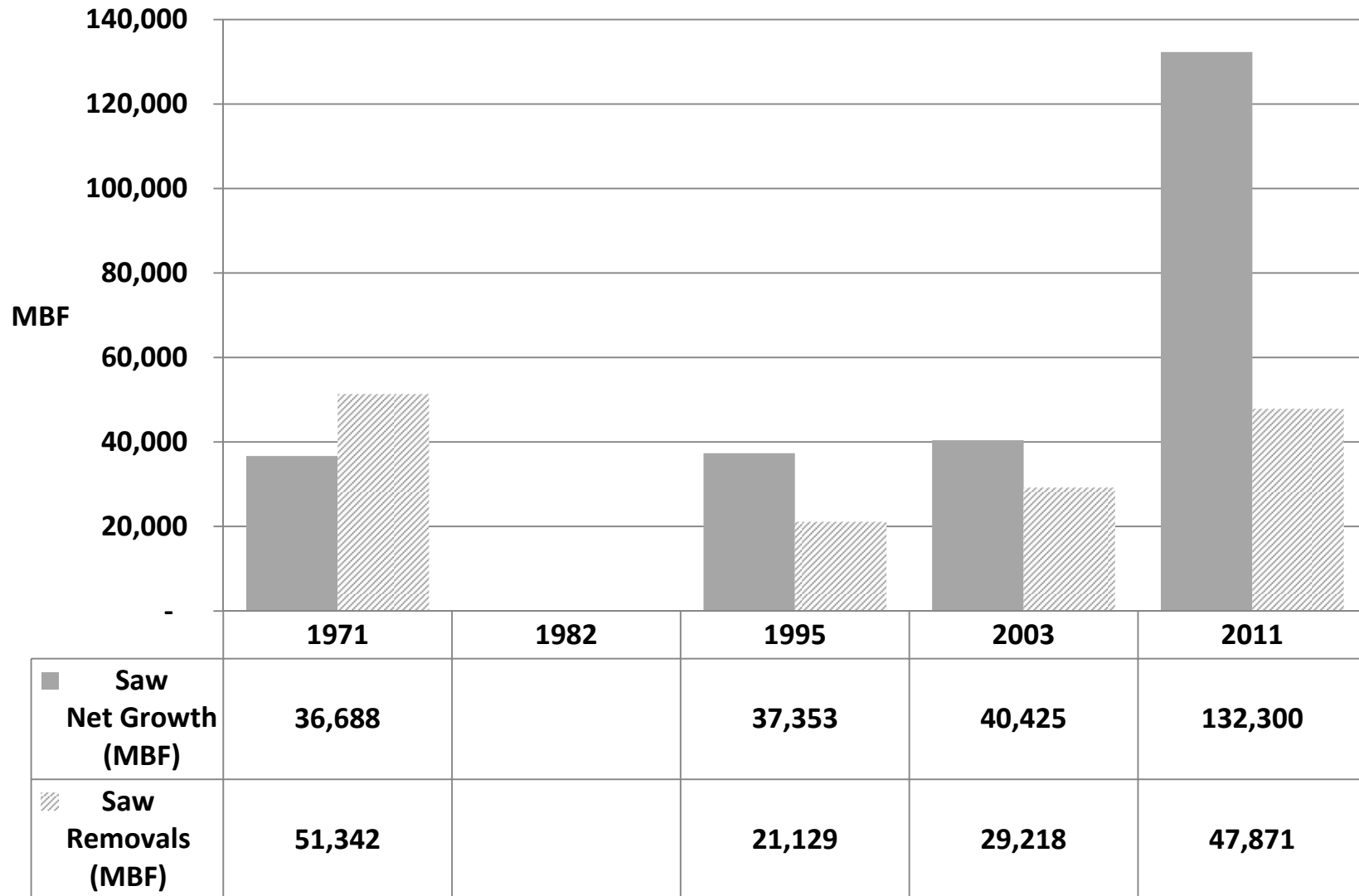


Oak growing stock estimates of annual net growth and removals, by inventory year

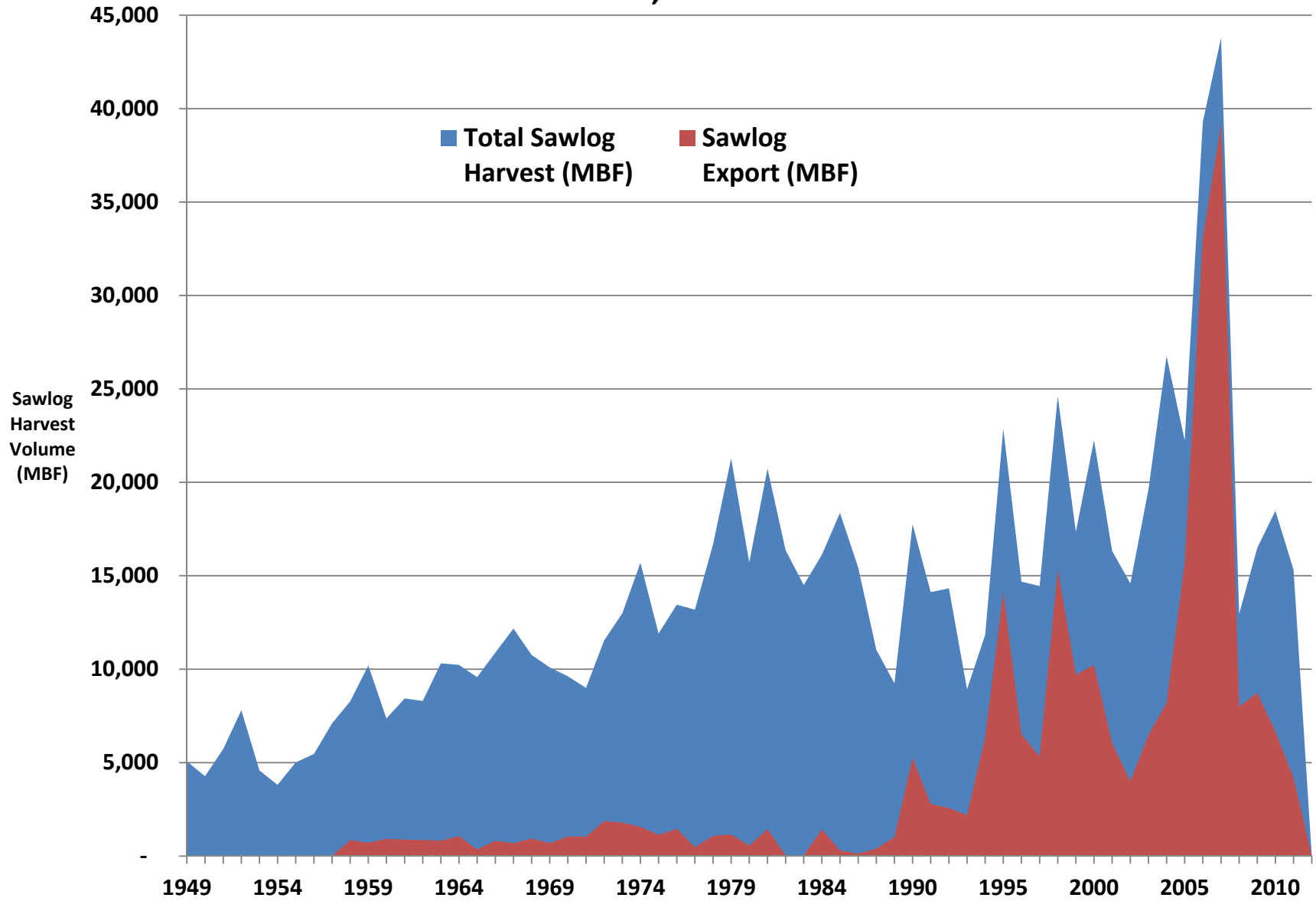


	1971	1982	1995	2003	2011
■ GS Net Growth (MCF)	9,729	13,448	16,871	22,618	36,018
▨ GS Removals (MCF)	14,784	4,332	7,135	10,606	13,984

Oak sawtimber estimates of annual net growth and removals, by inventory year



Oak sawlog harvest volumes, total and exported by year, MFS data, 1949 - 2011



Major forest type group acreage, 2012

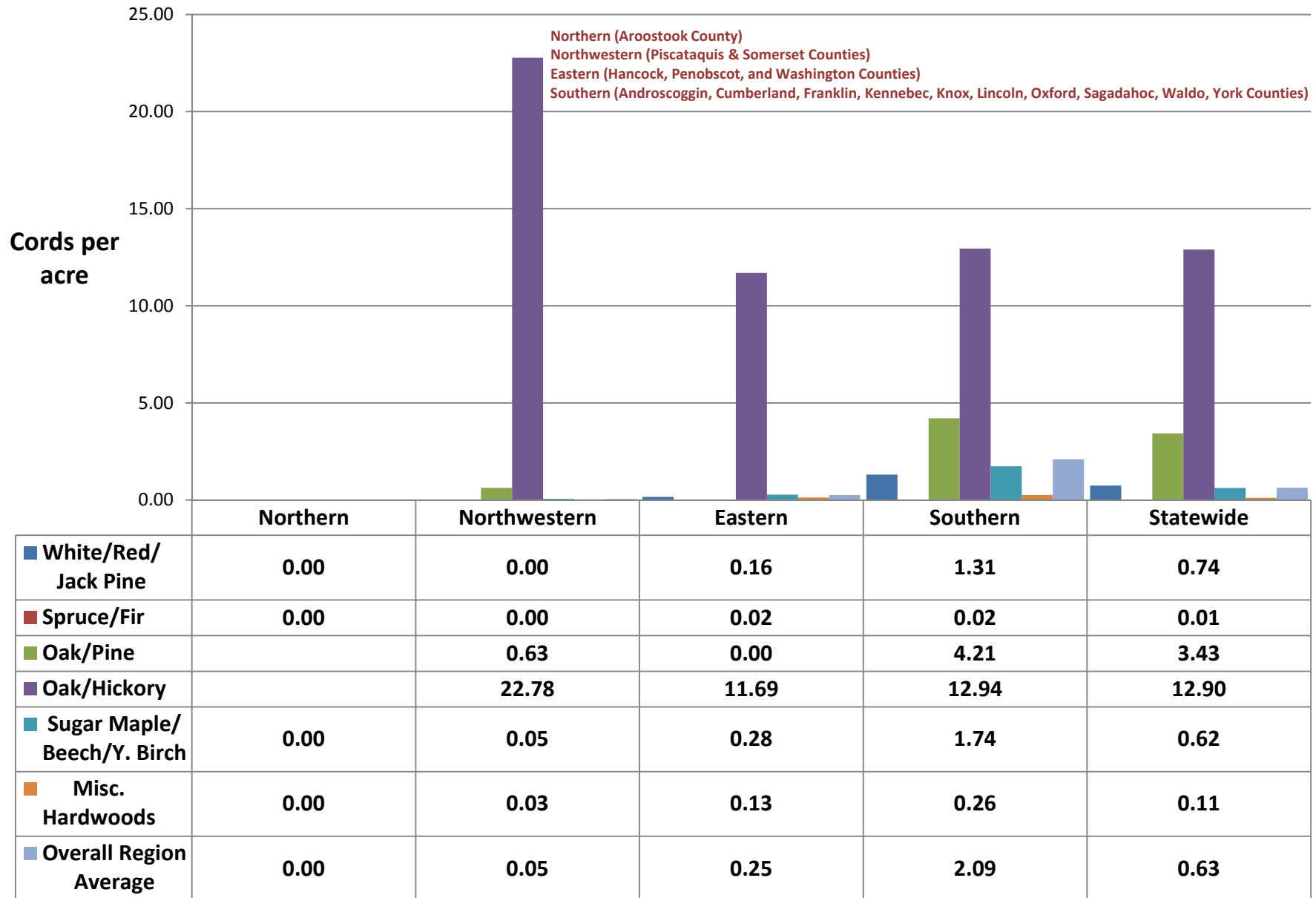
Timberland acres

	WRJP	SpFir	LobSh	ExSw	OkP	OkH
Northern	21,921	1,699,816	-	23,437	-	-
Northwestern	87,991	1,802,188	-	-	21,725	4,218
Eastern	400,225	1,761,543	-	10,110	45,758	45,027
Southern	556,615	461,466	5,453	-	279,228	266,659
Statewide	1,066,751	5,725,012	5,453	33,547	346,711	315,905

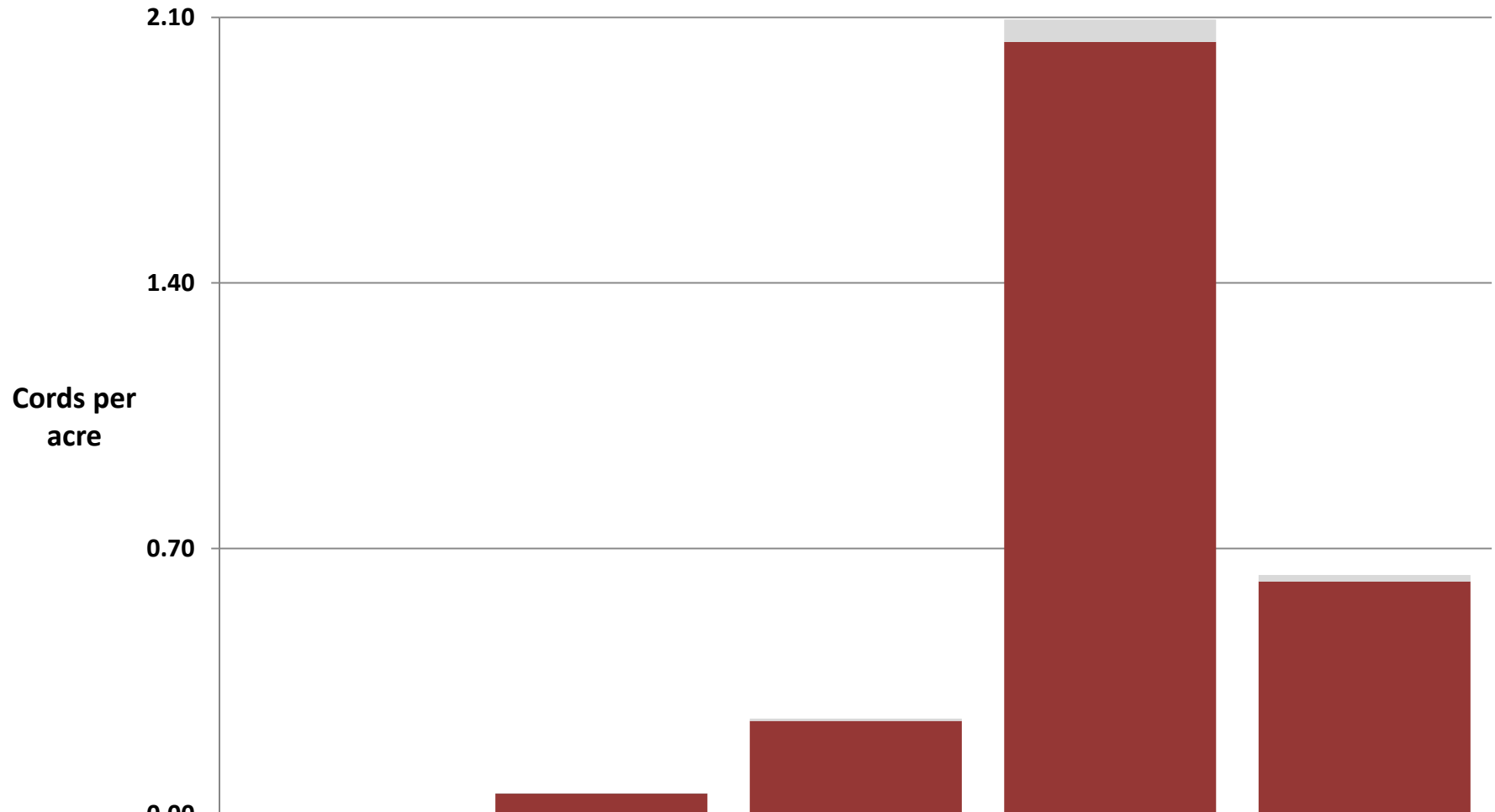
Timberland acres

	EAC	MapBB	AsBir	OtHw	Nons	Total
Northern	23,938	1,471,753	471,157	55,657	12,363	3,780,042
Northwestern	51,415	2,093,090	490,555	26,073	3,103	4,580,358
Eastern	91,493	1,284,122	611,467	23,746	7,326	4,280,817
Southern	176,220	2,271,076	475,935	24,602	17,566	4,534,820
Statewide	343,064	7,120,040	2,049,115	130,079	40,357	17,176,034

Oak stocking within major forest type groups, 2012



**Three major oak species, average volume per timberland acre,
by equal areas of interest, 2012**



	Northern	Northwestern	Eastern	Southern	Statewide
White Oak	-	-	0.01	0.06	0.02
Bur Oak	0.00	0.00	0.00	0.00	0.00
Northern Red Oak	0.00	0.05	0.25	2.04	0.61

Questions/Comments

Ken.laustsen@maine.gov

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