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1991 Silvicultural Activities Report

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1991 Silvicultural Activities Report

Compiled from the 1991 Landowner Reports

*Data collected under the provisions of
Title 12 MRSA §8885*



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Governor

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Commissioner

DEPARTMENT OF CONSERVATION

***** 1991 SILVICULTURAL ACTIVITIES REPORT *****

The information contained in this report represents forest management activities that occurred between January 1 and December 31, 1991 according to forest landowner reports filed with the Maine Forest Service (MFS).

All landowners who conduct a timber harvesting operation must file an Intent to Harvest Commercial Forest Products (notification) before beginning the operation. Following receipt of the notification by the MFS, each landowner is sent a form on which to report their management activities. Return rate on these reports was 99% for 1991.

"Notification" was in its second year in 1991. Prior to it many landowners did not know about the required report and the Maine Forest Service did not know who was harvesting forest products. Subsequent to the notification program the information collected has dramatically improved. Therefore, when comparing results prior to 1990 with results for 1990 and 1991 remember there were more reports in the latter two years.

The information found in this report is very important. It allows the Maine Forest Service and others to better understand how the forests of Maine are being managed, and to assess future needs to assure that the forests continue to provide forest products and the associated values of wildlife, recreation, etc. into the future.

***** HIGHLIGHTS *****

Following are highlights of the 1991 Silvicultural Activities Report:

- * Use of herbicides to reduce competing vegetation decreased by 11% in 1991,
- * The use of mechanical equipment to reduce competing vegetation remained about the same as 1990,
- * Land Use Conversion, forest land converted to other uses, increased by 42% but remained a relatively small number,



- * Shelterwood system of harvesting decreased by 28%,
- * Selection system increased by 34%,
- * Other methods of harvest decreased by 11%. This category of harvest method was an option for landowners to use in reporting the method of harvest. Unfortunately, it is not descriptive and may contain both clearcut and partial cut acreage. (This category will be eliminated for 1992.)
- * Clearcuts decreased by 18%,
- * There was a 7% increase in the amount of land harvested in 1991,
- * The number of timber harvesting operations involving a licensed forester increased by 12%. The majority of small landowners still conduct harvest operations without assistance.
- * There was a 37% increase in the number of timber cut reports filed in 1991.

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1991 Report on Silvicultural and Harvesting Activities

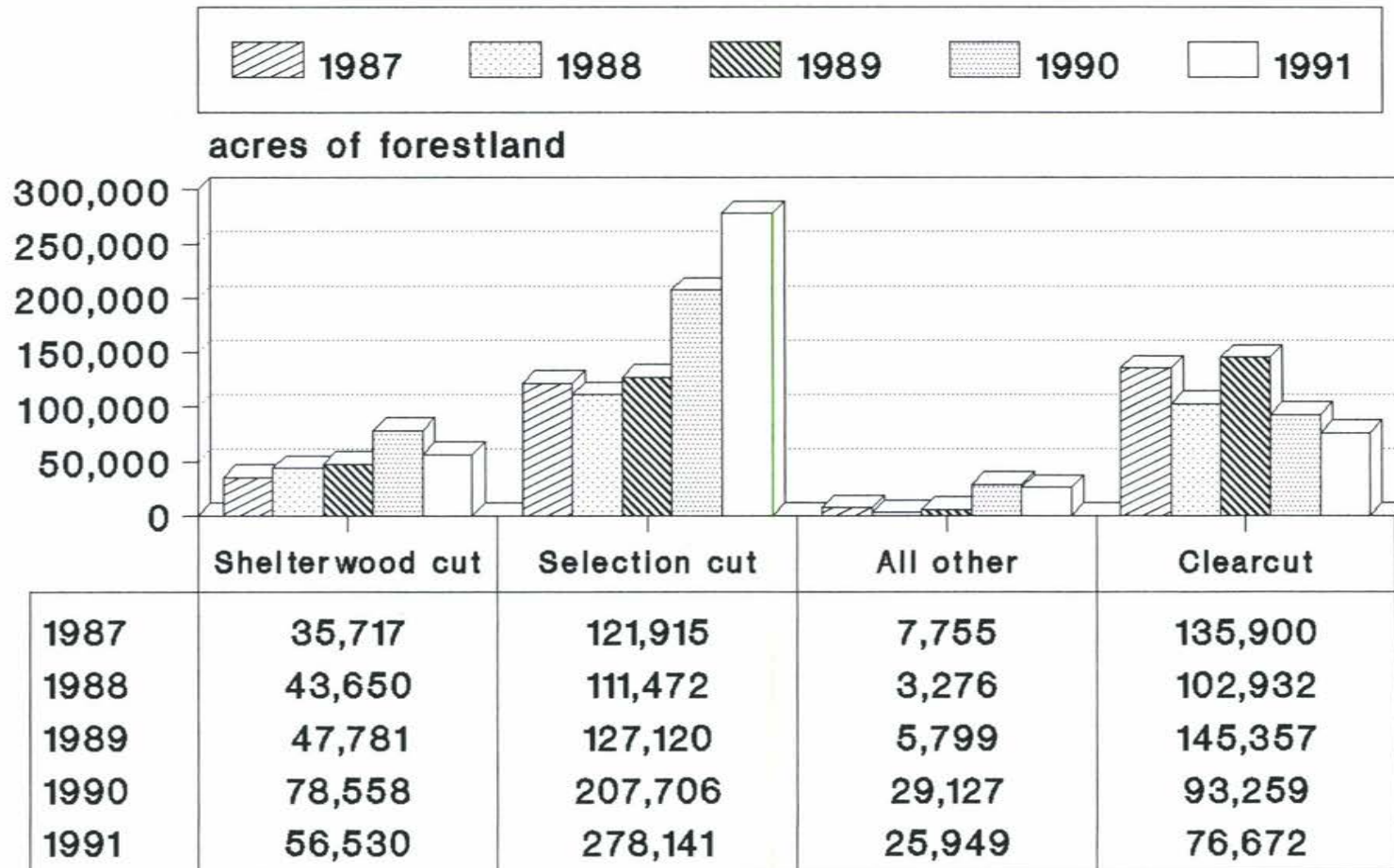
	Acreage class			Total 1991	Total 1990	%cha 1990-1
	1-1000	1001-5000	5000+			
Harvesting Activities (acres)						
Partial Cut Methods						
Shelterwood cuts	6,404	1,632	48,494	56,530	78,558	-28%
Selection cuts	85,894	15,019	177,228	278,141	207,706	34%
Other	7,969	1,373	16,607	25,949	29,127	-11%
	-----	-----	-----	-----		
Total Acres	100,267	18,024	242,329	360,620	315,391	14%
	-----	-----	-----	-----		
	28%	5%	67%	100%		
Clearcutting Methods						
Total acres	5,792	2,601	68,279	76,672	93,259	-18%
	-----	-----	-----	-----		
	8%	3%	89%	100%		
Total partial and clearcut harvest, by acres						
Total Acres	106,059	20,625	310,608	437,292	408,650	7%
	-----	-----	-----	-----		
	24%	5%	71%	100%		
Distribution of partial and clearcut, by percentage						
Partial cut methods	95%	87%	78%	82%		
Clearcut methods	5%	13%	22%	18%		
	-----	-----	-----	-----		
Total	100%	100%	100%	100%		
Forester Supervision (acres)						
Amount of total harvest supervised by Forester	42,042	12,399	293,515	347,956	309,837	12%
	-----	-----	-----	-----		
% Forester supervision	40%	60%	94%	80%		

1991 Report on Silvicultural and Harvesting Activities

	Acreage class			Total 1991	Total 1990	%cha 1990-1
	1-1000	1001-5000	5000+			
Forestland Ownership: Number of Reports						
Forest Industry	22	25	577	624	314	99%
Private	2,765	166	314	3,245	2,509	29%
Other	30	12	69	111	90	23%
	----	----	----	----	----	----
	2,817	203	960	3,980	2,913	37%
Forest Industry	1%	12%	60%	16%		
Private	98%	82%	33%	82%		
Other	1%	6%	7%	3%		
	----	----	----	----		
	100%	100%	100%	100%		
Silvicultural Activities (acres)						
Timber Stand Improvement						
Herbicide Use						
Site Preparation	45	0	850	895	776	15%
Release	195	85	34,410	34,690	38,939	-11%
	----	----	----	----		
Total	240	85	35,260	35,585	39,715	-10%
	1%	0%	99%			
TSI Mechanical	3,975	293	6,479	10,747	10,754	-0%
Land Use Conversion						
Change to other use	1,583	237	295	2,115	1,447	46%

Harvesting Trends

1991 Silvicultural Report



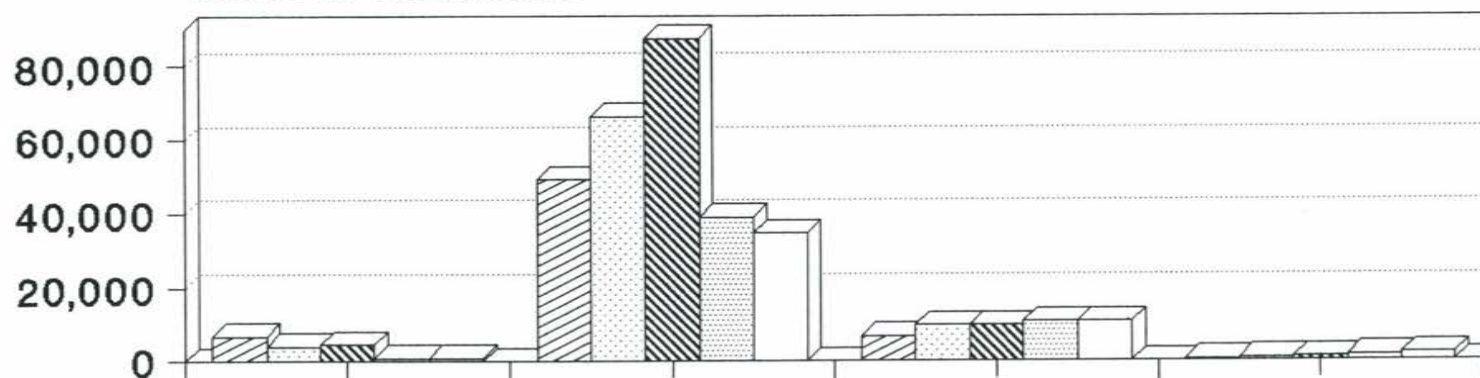
source: Forest Information Center
September 1992

Silvicultural Trends

1991 Silvicultural Report



acres of forestland



	Site Prep	Chem. Release	Mech. Release	Land Conversion
1987	6,735	49,266	6,644	388
1988	3,847	66,462	9,619	846
1989	4,489	87,481	9,720	990
1990	* 776	38,939	10,754	1,447
1991	895	34,690	10,686	2,055

*insufficient data

source: Forest Information Center *
September 1992