pennsylvania
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
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BUREAU OF FORESTRY

Loyalsock State Forest

HARVEST SCHEDULE

The mission of DCNR Bureau of Forestry is to conserve the long-term health, viability and productivity of the Commonwealth's forest and to conserve native wild plants. One of the ways the bureau carries out this mission is through the State Forest Resource Management Plan (SFRMP), a document that guides the management of the 2.2 million-acre state forest system. The SFRMP is updated approximately every 5 years and includes an extensive public engagement process.

The SFRMP is implemented at the local level by district-specific resource management plans that aim to balance many uses and values of the forest, while maintaining ecosystem health and the wild character of the forest. As part of the SFRMP, the Bureau of Forestry developed a harvest scheduling model for planning harvests on each of the 20 forest districts. The model has provided the bureau with a tool to develop harvest schedules that consider the long-term sustainable flow of forest products and lead toward a desirable and sustainable forest structure in the future. The model schedules acres of state forest to receive timber harvests and will aid the bureau in achieving its silviculture and timber management goals. The goals specifically addressed by the model include:

- To promote and maintain desired landscape conditions, including balancing the age class distribution of the multiple resource, commercial land base.
- To ensure and maintain areas of older forest.
- To provide economic and social benefits through a sustained yield of forest products.
- To determine sustainable long-term timber harvest levels.
- To promote silvicultural practices that sustain ecological and economic forest values.
- To develop feasible timber management plans considering forest regeneration issues and resources available to the Bureau of Forestry.

In 2014, state forest districts shifted to implementing the second decade harvest goals of the model. This document outlines the overall goals of the model for the Loyalsock State Forest. For more information on the harvest model, please refer to the Silviculture/Timber Management chapters of the State Forest Resource Management Plan.

Table 1. Regeneration and shelterwood harvest acre goals and associated volume estimates for the Loyalsock State Forest harvest schedule by decade (beginning 2004).

Decade	Regeneration Acres	Shelterwood Acres	Total Acres	Volume(bd.ft.)
1	6,216	339	6,555	32,385,486
2	5,379	1,127	6,506	48,755,890
3	4,886	1,024	5,910	48,268,224
4	4,835	1,076	5,910	47,785,286
5	4,781	1,129	5,910	47,307,988
6	4,724	1,186	5,910	46,834,816
7	4,710	1,201	5,910	46,366,392
8	4,770	1,141	5,910	45,902,544
9	5,401	1,101	6,501	54,402,401
10	5,443	1,059	6,501	56,977,804

Chart 1. Harvests by type (overstory removal and shelterwood) acre goals for the Loyalsock State Forest harvest schedule by decade (beginning 2004).

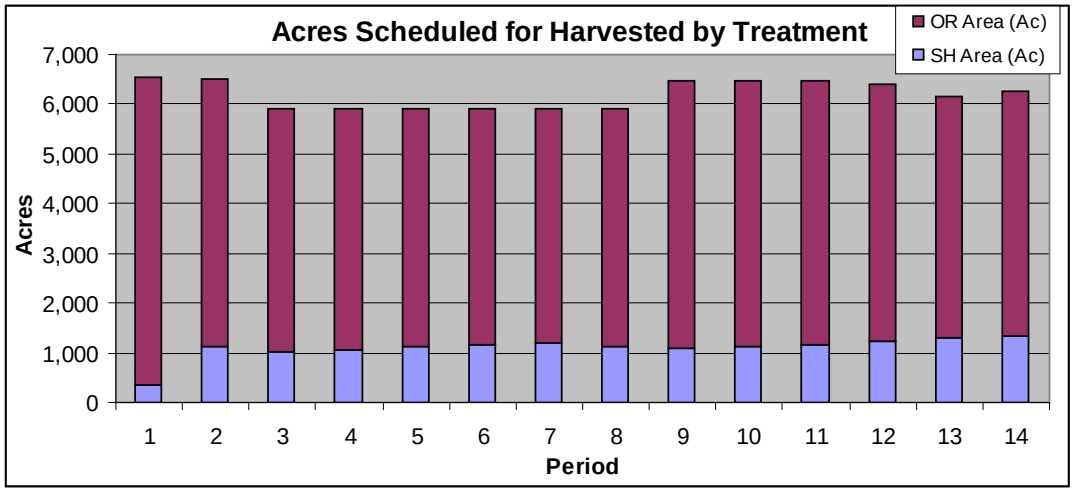
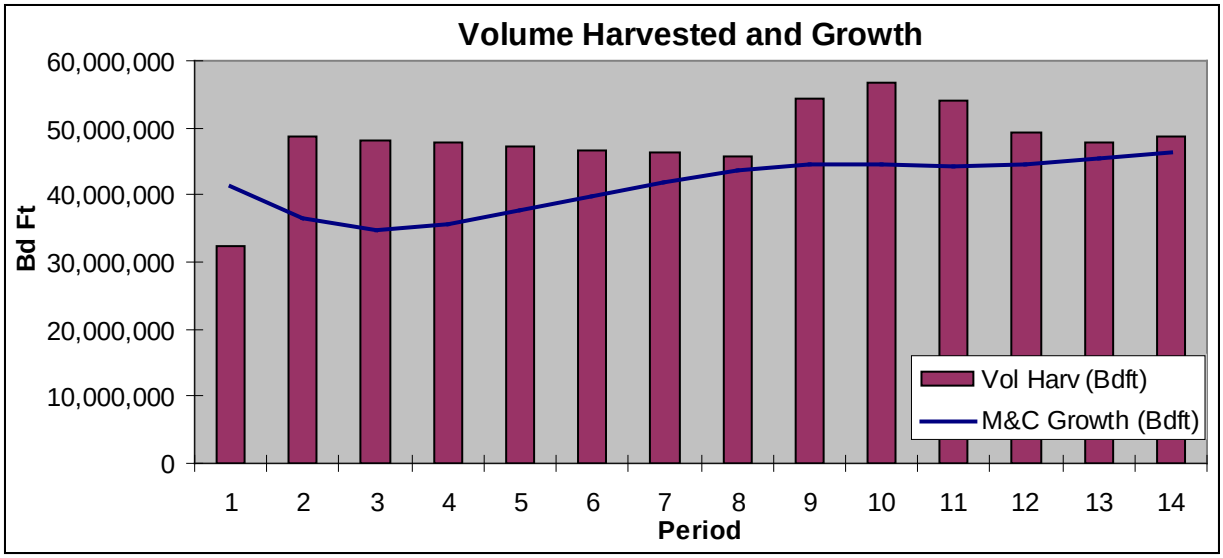
Chart 2. Projected volume harvest and growth estimates based on the harvest goals for the Loyalsock State Forest harvest schedule by decade (beginning 2004).