

Hayes family will have to manage stand density carefully to avoid stagnation of the understory cohort.

- The owners' choice to use a shelterwood harvest was based on the assumption that retaining some large trees would create a better overall forest ecosystem than removing them. The Hayes family is monitoring wildlife. For example, they conduct ongoing bird surveys focusing on several indicator species that rely on large trees. The relationships between the number of large trees retained on a site and desired ecological benefits (such as nesting success) are still not well understood.
- Future economic return from this stand remains to be seen. But, by managing for a variety of species and sizes within the stand, the owners have some flexibility in tailoring future harvests to market conditions.

Past and Future Treatments and Events

~1925	Site is logged by railroad; natural regeneration results in subsequent stand
1970s–'80s	Periodic, selective harvest by previous owner
1986	Hayes family acquires property
1997	Partial harvest of ~60% of the standing volume; residual trees make up the overstory of the current stand
1998–2008	Douglas-fir, grand fir, western redcedar, and western hemlock planted in the understory
2006	Permanent inventory plots established by Doug Maguire and Doug Mainwaring, OSU College of Forestry. Overstory and understory trees measured
2011	Permanent plots measured again
~2020	Possible harvest to allow for regeneration of a third cohort

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