

# White Pine

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**Project Subject/Title:** Bear Trail Pine

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**Abstract:** A white pine stand located north of Eagle River in Vilas County was harvested using the seed tree method in 2009. To ensure that there would be adequate regeneration of red and white pine, the stand was scarified in 2011 with an anchor chain and a bracke. After the scarification, the stand was hand planted with both red and white pine. Because of the lack of competing vegetation, the red and white pine was believed to be the future dominant cover type in the stand.

**Trial Location:**

**County:** Vilas

**Township:** 41N      **Range:** 10E      **Section:** 20

**GPS Coordinates: Lat:** 46°0'49" **Long:** -89°16'25"

**Property Name:** Vilas County Forest

**Baseline Stand Data**

- *Cover Type:* White Pine
- *Acres:* 12 acres
- *Habitat Type:* PArVAa
- *Soil Type:* Karlin loamy fine sand
- *Year of Origin:* 2011
- *Total Height:*
- *Site Index Species and Site Index:* 55
- *Mean Stand Diameter:*
- *Total Basal Area per Acre:*
- *Other stand Condition:*

**Prescription and Methods:**

- *Type of Prescription:* Seed Tree
- *Year Initiated:* 2009
- *Establishment Methods:*

The stand was set up for a seed tree harvest in 2007 and was harvested in 2009. The open areas were scarified in 2011 using an anchor chain and the bracke method. After the scarification the stand was hand planted with red and white pine.

- *Data Collection Methods:*

The stand was revisited in August of 2014. Nine mil-acre regeneration plots were established in order to record regeneration and survival of the hand planted red and white pine. Competition from hardwood tree species was also recorded.

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**Results:** Survival of the hand planted red and white pine was good with every plot containing at least one red or white pine. In total, there was 1,667 stems/acre with the majority of the regeneration being red or white pine. Red maple, and white birch were also present but in low numbers.

**Discussion/Recommendations:** There was a lot of grasses present within the site but weren't providing much competition to the pine. Hardwood tree species also provided little to no competition to the pine. There was some natural regeneration of pine present near the margins of the stand but not very much. Barring any unforeseen changes, it appears as though the stand will remain a red and white pine dominated stand with a minimal hardwood component.

