

Forest Management Plan Amendment

Prepared for:

The Kennebec Water District

China & Vassalboro | Kennebec County | Maine

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GENERAL DESCRIPTION AND PURPOSE FOR AMENDMENT

This amendment has been prepared for the Kennebec Water District (KWD) to document the changes on KWD's property near the North Narrows Peninsula, part of China Tax Map 37, Lot 34. On June 12, 2022, KWD had 2,000 black spruce seedlings, 2,000 red spruce seedlings, 2,000 red pine seedlings, and 30 fruit trees planted over the 6.5 acre of non-forested area on this parcel.

LANDOWNER GOALS AND OBJECTIVES

The primary goal of the property is to grow and harvest commercial forest products to establish and perpetuate an uneven aged, mixed species forest to protect the water quality in China Lake. The KWD is striving to achieve this long-term goal by replanting non-forested areas, such as the 6.5 acre non-forested area near the North Narrows Peninsula, located on the China Tax Map 37, Lot 34.

ACREAGE OF LAND USE/COVER TYPES (APPROXIMATELY 337 ACRES TOTAL)

See Table 1: Cover Type Descriptions on the following page, and Appendix 1. Forest Stand Type Map.

China Tax Map 37 Lot 34 – 133 acres

Softwood: 66.5 acres (Stand 2E & Stand 4A)
Mixed wood: 46.5 acres (North Stand B & Stand 3C)
Hardwood: 19.5 acres (North Stand B & Stand 1H)
Wetlands: 0.5 acres (within Stand 3C)

China Tax Map 26 Lot 17 – 126 acres

Softwood: 59 acres (South Stand A, South Stand B, Stand 2A & Stand 2B)
Mixed wood: 37.5 acres (South Stand C & Stand 3A)
Hardwood: 27 acres (Stand 1A & Stand 1B)
Wetlands: 2.5 acres (within Stand 2A & 1A)

Vassalboro Map 11 Lot 32 – 43 acres

Softwood: 36 acres (Stand 2D)
Hardwood: 1.5 acres (Stand 1G)
Wetlands: 3 acres (within Stand 2A & 1A)
Building area: 0.5 acres
Non-forested area: 2 acres

Vassalboro Map 11 Lot 54 & 58 – 35 acres

Softwood: 5 acres (Stand 2C)
Mixed wood: 9 acres (Stand 3B)
Hardwood: 21 acres (Stand 1C & Stand 1D)

Table 1: Cover Type Descriptions

Forest Classification Code	Description
Composition	
S	Softwood dominant, composes >75 percent of present vegetation
SH	Softwood majority, composes 50–70 percent of present vegetation
HS	Hardwood majority, composes 50–75 percent of present vegetation
H	Hardwood dominant, composes >75 percent of present vegetation
Size Class (height)	
1	Young growth, < 30 feet, regeneration
2	Mid growth, 30–50 feet, small merchantable
3	Mature growth, >50 feet, merchantable
Stocking	
A	75–100 percent crown closure, fully stocked
B	30–75 percent crown closure, medium stocked
C	0–30 percent crown closure, sparsely stocked

*For example, SH3A means softwood majority, composes 50–70 percent of present vegetation, mature growth, >50 feet, merchantable, and 75–100 percent crown closure, fully stocked.

AMENDED STAND DESCRIPTION & PRESCRIPTION

Stand Type 4 – S1C

This 6.5 acre stand is classified as softwood dominant, young growth that is currently 0-30% crown closure because of the seedling size. KWD planted 2,000 black spruce seedlings, 2,000 red spruce seedlings, and 2,000 red pine seedlings on June 12, 2022, ranging in height from 6-12” tall. This is the initial start of the objective to help achieve the primary goal to grow and harvest commercial forest products to establish and perpetuate an uneven aged, mixed species forest to protect the water quality in China Lake.

It is recommended to monitor this stand closely for the first couple years after planting for signs of seedling mortality. The current prescription for this stand is to let the stand grow for the next 10-year planning period. At the next 10-year planning period/renewal, future recommendations for pre-commercial thinning may be assessed.

PROPERTY TAX STATUS

This property is enrolled in the Maine Tree Growth Tax Law Property Tax Bulletin No. 19, where the forested property is valued on the basis of productivity. The property must be recertified and approved by a Maine Licensed Forester every 10 years, and the landowner must comply with the associated written forest management plan for the property.

BOUNDARY LINES

The boundary lines on the KWD's property are actively being relocated, brushed, blazed and painted in blue. In addition, blue painted posts engraved with "KWD" were installed in non-forested/open field areas along the property line by Comprehensive Land Technologies' crews. As of November 2022, three miles of property line work has been completed from the far northeastern portion of the property (near the North Narrows Peninsula) working west, and one mile from the Vassalboro boat launch working east along the north shore. In addition, two miles of property line work from the southernmost portion of the property (South Narrows Peninsula) west along the south shore has also been completed. Approximately four miles of property line remains to be marked and located around the west basin of China Lake.

APPENDICIES

Appendix 1. Forest Stand Type Map

