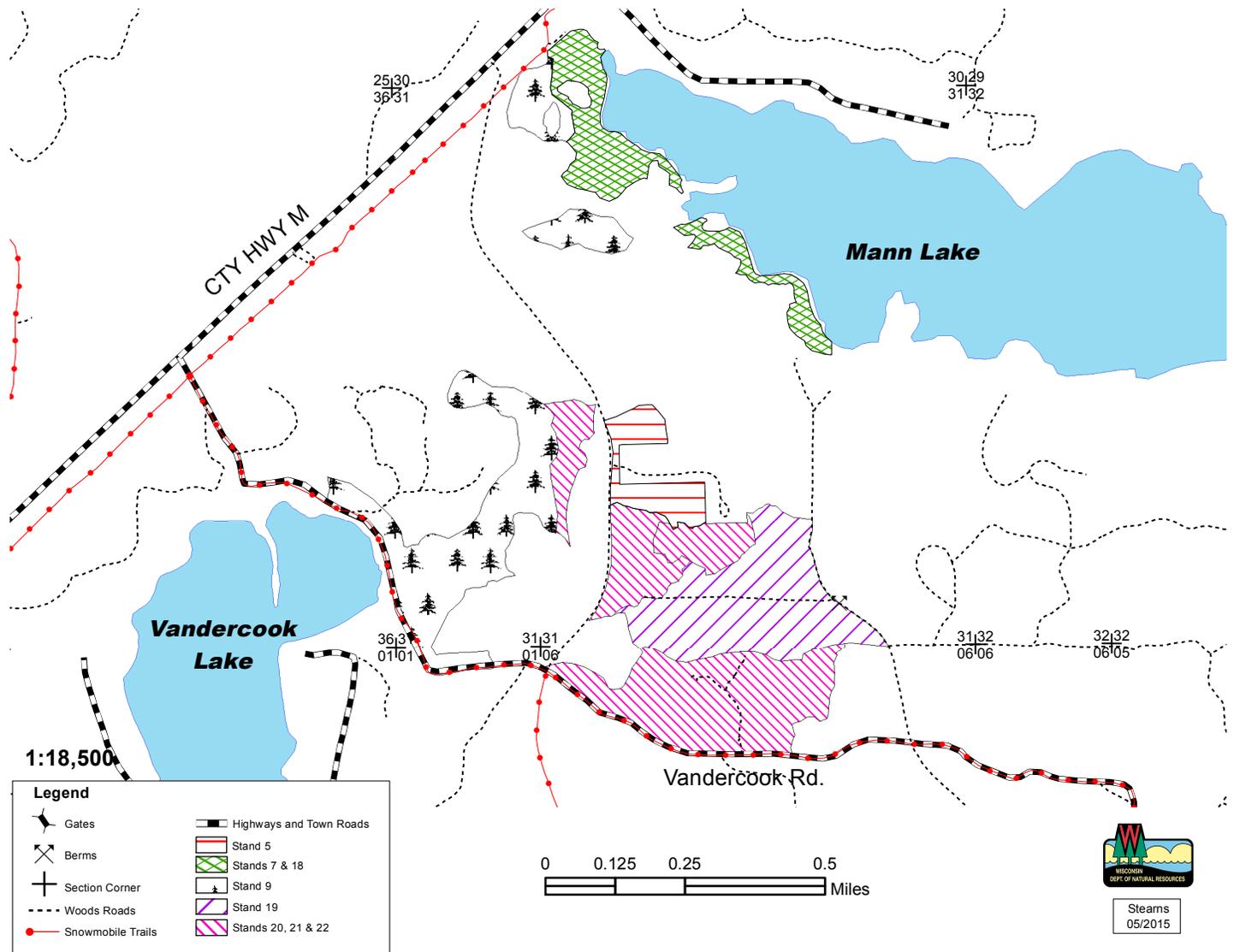


NORTHERN HIGHLAND - AMERICAN LEGION STATE FOREST

C163H - Mann Lake Southwest 201 Acres

Town of Arbor Vitae, Vilas County, T40N-R6E Sec 1; T40N-R7E Sec. 6;
T41N-R6E Sec. 36 Town of Boulder Junction, Vilas County, T41N-R7E Sec. 30 & 31
Master Plan: Mangement Area - 12 Mixed Forest Native Community (NC)
and Management Area 5 - Big Arbor Vitae Hills Forest Production Area



The goals for the Mixed Forest Native Community Area are to maintain sites with old-growth pine, oak and mixed hardwood stands while enhancing the development of a mixed forest dominated by old trees, large amounts of coarse woody debris, numerous standing dead snags, and an age diversity of trees. The goals for the Big Arbor Vitae Loamy Hills Forest Production Area are to increase the presence and age of red and white pine, maintain aspen as a strong component across the landscape and maintain the red oak component of this area.

The Lakeside Aesthetic Areas NC- Stands 7 & 18 are 24 acres and consist of aspen, oak sawtimber and a mixture of pine which originated in 1915. These areas will be selectively harvested by the removal of shorter-lived species such as aspen and red maple and white birch while thinning oak and pine to promote longer-lived tree species with old forest characteristics. Currently the basal area stocking is 137 sq.ft./acre which would be reduced to 70-80 sq.ft./acre.

Oak Thinning Area NC - Stand 5 consists of 11 acres of primarily oak which originated in 1931. Harvest goals are to remove the shorter-lived species and thin the overstocked oak from the current basal area of 132 sq.ft./acre down to 80-90 sq.ft./acre.

Northern Hardwood Area NC- Stand 19 is a 43 acre mixed stand of northern hardwoods. Harvest goals are to remove the shorter-lived species and selectively thin the overstocked hardwoods by thinning the current basal area of 126 sq.ft./acre down to 80-90 aq.ft./acre to provide for optimal growth and stand development while encouraging the development of old forest characteristics in the stand and retaining a greater proportion of dead snags, den trees, and coarse woody debris.

The Pine Thinning Area - Stand 9 is 54 acres and consist of several areas of white pine that originated in 1848, Other prominate species include aspen and balsam fir. This stand will be selectively marked to improve the stand structure and promote the development of old forest characteristics. Shorter-lived species will be harvested including aspen, birch and balsam fir.

Regeneration Areas - Stands 20, 21 (27 acres) NC, Stand 22 (42) FP, consist of a mixture of species including aspen, pine, birch, maple and oak. Stand quality is considered poor for hardwood species other than oak. The aspen present in all the stands are two-aged and has origin dates that include 1915 and 1971. The proposed silvicultural system will be a coppice with standards to regenerate the aspen. Pine will be thinned and oak will be retained. Stands will be evaluated post-harvest for sacrfication needs to start regenerating pine.

Biomass harvest is unsuitable on this site and conflicts with the Native Community Area management goals. Seasonal restrictions will be implemented oak season and limited to dry and or frozen ground conditions.

Access is from Hwy M and Vandercook road.