

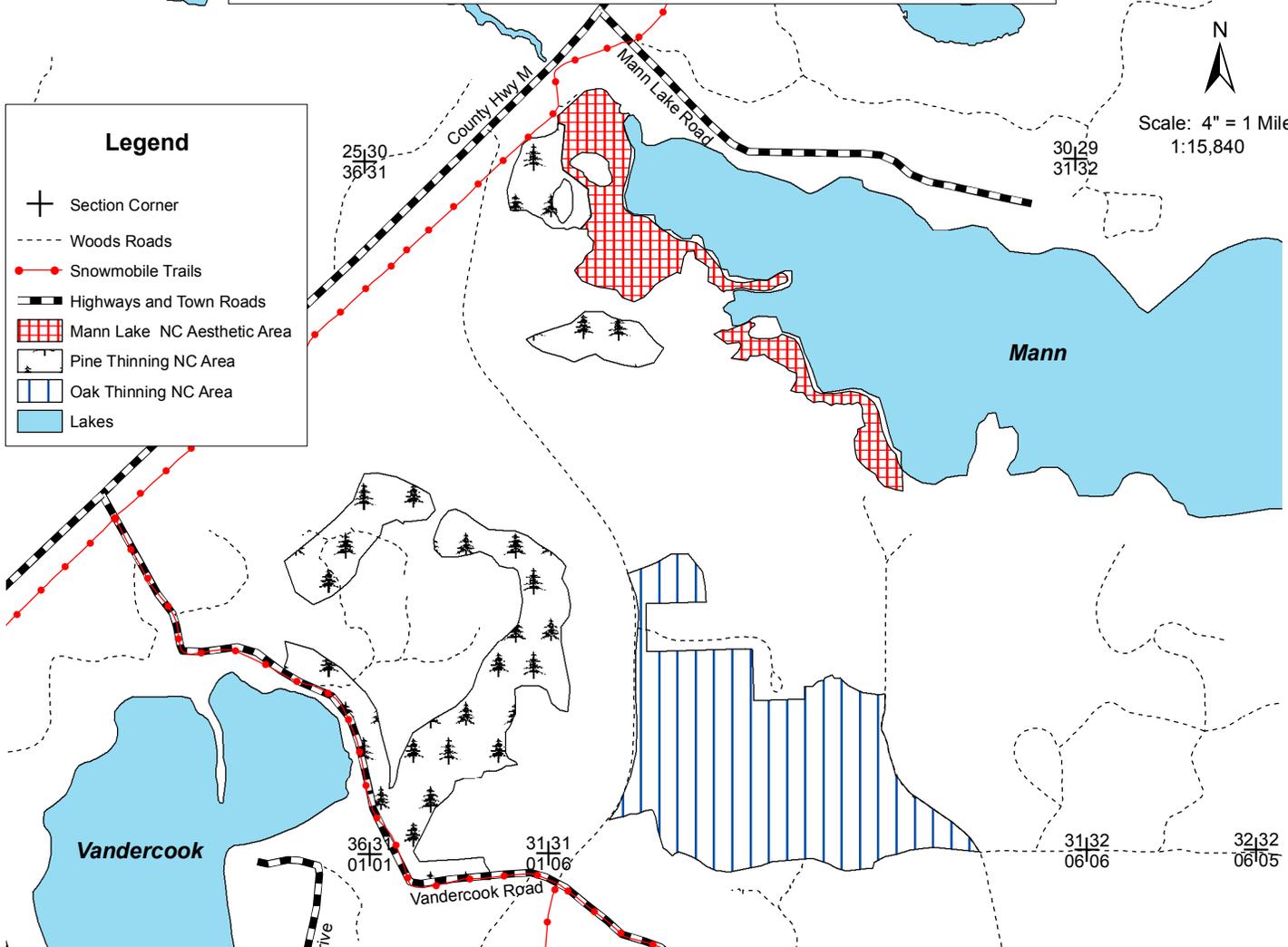
**Northern Highland - American Legion State Forest  
 Compartment 163H - Mann Lake Southwest 161 Acres  
 Town of Arbor Vitae, Vilas County, T40N-R6E Sec. 1;  
 T40N-R7E Sec.6; T41N-R6E Sec. 36  
 Town of Boulder Junction, Vilas County, T41N-R7E Sec. 30 & 31  
 Master Plan: Management Area 5 -  
 Big Arbor Vitae Loamy Hills Forest Production (FP) Area  
 Management Area 12 - Mixed Forest Native Community (NC) Area**



**Legend**

- ⊕ Section Corner
- Woods Roads
- Snowmobile Trails
- ▬ Highways and Town Roads
- ▤ Mann Lake NC Aesthetic Area
- ▥ Pine Thinning NC Area
- ▧ Oak Thinning NC Area
- ▭ Lakes

N  
 Scale: 4" = 1 Mile  
 1:15,840



The goals for the Big Arbor Vitae Loamy Hill 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 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 Mann Lake NC Aesthetic Area, in stand 6, consists of 25 acres of aspen and oak sawtimber with a mixture of pine, which originated in 1915. This area will be selectively harvested by the removal of shorter-lived species such as aspen, maple and white birch while thinning oak and pine to promote longer-lived tree species with older growth characteristics. Currently basal area stocking is 114 sq.ft./acre which would be reduced to 70-80 sq.ft./acre.

The Pine Thinning NC Area, in stand 9, consists of 63 acres of white pine sawtimber that originated in 1848. This stand will be selectively marked to improve the stand structure and enhance the development of old growth characteristics.

The Oak Thinning NC Area, in stand 5, consists of 73 acres of primarily oak which originated in 1931. The harvest goal is remove the shorter-lived species and thin the overstocked oak by thinning the current basal area of 127 sq.ft./acre down to 70-80 sq.ft./acre to provide for optimal growth and stand development while encouraging the development of older growth characteristics in the stand and retaining a greater proportion of dead snags, den trees, and coarse woody debris.

Access to this area is off woods roads, adjacent to Vandercook Road, which also serves as a snowmobile trail during the winter months. The snowmobile club will be contacted for signage as necessary. Seasonal restrictions will be implemented during oak wilt season and will also be considered in the sale area adjacent to Mann Lake. Biomass harvesting is unsuitable on this site and conflicts with the Native Community Area management.

