# SILVICULTURAL PLAN

## STAND 1

Stand 1 is an oak – hardwoods stand, dominated by red oak and black oak with associated white oak, red maple, sugar maple, black birch, hickory, and white ash. Overstory quality is moderate and trees are mature with an age of about 100 years. Gypsy moth has cause some mortality in recent years, but is not extensive. Tree regeneration is dominated by mixed hardwoods and is advanced, but generally suppressed and mixed with witch hazel and mountain laurel. Tree regeneration species include birch, maple, oak, and pine. Soils are generally gravelly loams with lodgement till and melt-out till parent material. These soils are well drained.

This stand is to be treated with a shelterwood preparation harvest wherein 60 square feet of basal area is to be removed in order to facilitate tree regeneration. A follow-up treatment to release regeneration and remove the remaining overstory will be scheduled in 12-17 years.

## STAND 2

Stand 2 is an uneven aged, pine – hardwoods stand, dominated by white pine with associated black birch, red oak, white oak, black oak, and red maple. Large portions of Stand 2 appear to have been harvested extensively and are stocked with advanced (20-40' in height) tree regeneration. White pine and hardwoods are of mixed quality. Gypsy moth has cause some mortality in recent years, but is not extensive. Young tree regeneration is dominated by pine and hardwoods with witch hazel and mountain laurel. Soils are generally gravelly loams with lodgement till and melt-out till parent material. These soils are well drained.

This stand is to be treated with an irregular shelterwood harvest to establish regeneration, release regeneration, and to allow for additional development of overstory trees. The irregular harvesting pattern allows for treatment based on present variable stocking in all forest strata.

## Exceptions

While most portions of Stands 1 & 2 are accessible and appropriate for timber harvesting, several unique exceptions are found on the property. No tree cutting is to occur within 15' of property boundaries, which are flagged pink. No tree cutting is to occur within 50' of streams. Ponds and wetlands are to have variable buffers and will be dependent on slope and soil conditions. No trees are to be harvested within 10' of roadways.