WEIR LOT

The Weir Lot is located in the Town of Angelica between Common Road, County Route 16, and Buehrings Road. The Lot contains approximately 143 acres. Access is through a right-of-way across private land off County Route 16. The Weir Lot is adjacent to the Silsby Lot on the north boundary of the Weir Lot. The Silsby Lot gets its access by a right-of-way from the Horner Lot.

The Weir Lot was a farm at one time. When the County acquired the Lot, they planted the cropland to conifers. A pond was constructed for wildlife, recreation and fire control.

STAND #1: Hardwoods – Small Sawtimber and Poles – 6 acres

	Major Species	Minor Species
Small Sawtimber	white ash sugar maple beech red oak white oak basswood Cucumber	
Poles	sugar maple red maple	beech white oak red oak sweet birch
Seedling – Sapling	beech	ironwood sugar maple white ash

Stand #1 is a small sawtimber and pole stand that is overstocked and needs thinning. There are some cull trees present. The stand is on a moderately steep slope which would make a fuelwood sale difficult. The thinning and cull removal should be done pre-commercially. The stand will be ready for harvest when Stand #3 on the Silsby Lot is cut.

STAND #2: Hardwoods – Large and Small Sawtimber and Poles – 56 acres

	Major Species	Minor Species
Large & Small Sawtimber	red oak white oak	white ash white pine red maple aspen shagbark hickory beech
Poles	red oak white oak red maple	white ash sugar maple aspen beech shagbark hickory

This stand has always been in timber. It is an oak stand with large and small timber and poles. The quality of the oak in this stand ranges from good to poor. There are a couple of pockets in the eastern side of the stand where there was mortality in the oaks. This was probably caused by the gypsy moth in the 1980's. The large amount of oak in the stand indicates that the stand has a history of fire at the time the present stand was established. The stand is ready for a sawtimber harvest. Cut or girdle the culls as part of the sale.

STAND #3: Conifers and Hardwoods – Poles and Seedling-Sapling – 9 acres

	Major Species	Minor Species
Poles	larch white ash red pine	red oak white pine red maple sugar maple black cherry aspen
Seedling-Sapling	white ash red maple	red oak white oak ironwood black cherry shagbark hickory buckthorn honeysuckle thornapple

Stand #3 is abandoned agricultural land planted to larch, Scotch pine, red pine and Norway spruce. The larch, Scotch pine, and red pine were planted off site.

The larch was planted at very close spacing (4 feet apart) and never thinned. The trees are tall, spindly, with small crowns. Most are small pole size. There are some sawtimber and pole trees of white ash, red oak, and white pine that seeded in the stand. The white ash timber trees could be cut when Stand #2 is timbered. The red oak timber trees should be left as a seed source. The larch should be harvested and the stand converted to hardwoods. There is honeysuckle in the understory that should be eradicated.

The Scotch pine has over 90% mortality. The new crop of trees is mostly buckthorn and thornapple saplings that are over head high. There are a few saplings of red maple and other hardwood species that have made it through the buckthorn and thornapple. There are seedlings of the desirable hardwood species underneath the buckthorn. Honeysuckle is also present. The buckthorn and thornapple should be eradicated to release the hardwood seedlings. There are a few sawtimber and pole sized trees of white ash, white pine, red maple, sugar maple, and black cherry. The ash timber trees could be cut when Stand #2 is harvested. Leave the other species as a seed source.

The red pines were also planted at a 4ft x 4ft spacing. What are left of them are small poles with poor crowns. Hardwoods seeded in the stand shortly after the pines were planted. They are now shading out the red pine. The red pine should be harvested and that portion of the stand converted to hardwoods.

The Norway spruce portion of the stand has been completely taken over by hardwoods. There are only a few suppressed spruce in the understory. Let this hardwood succession continue.

STAND #4: Hardwoods – Pole – 3 acres

	Major Species	Minor Species
Poles	white ash red maple red oak	sugar maple black cherry white oak aspen

Stand #4 is an abandoned pasture that was seeded in to hardwoods that are now pole size.

STAND #5: Larch and Hardwoods – Poles and Sawtimber – 9 acres

	Major Species	Minor Species
Poles	larch	red maple white ash aspen
Sawtimber	larch red oak white ash white pine red maple	
Seedlings	white ash	red maple red oak black cherry shagbark hickory

Stand #5 is abandoned agricultural land planted to larch and never thinned. The survival rate varies throughout the stand. Most of the larch are pole size, but a few of them have reached small timber size. The crowns are small and the trees have reached their full potential.

There were a small number of hardwood trees that were in the stand at the time of planting. They have now become large "Wolf Trees". There were also hardwoods that seeded in the stand shortly after it was planted. They are now sawtimber and pole size. Honeysuckle is just starting to come in. It should be removed white it is still easy to do so.

The larch should be harvested and the stand converted to hardwoods. The white ash timber trees could be harvested when Stand #2 is cut. Leave other species of hardwoods as a seed source and for wildlife, except for the aspen which should be removed. Also remove the poorly formed white pine.

STAND #6: Hardwood – Small Sawtimber and Poles – 5 acres

	Major Species	Minor Species
Small Sawtimber	white ash red oak aspen	
Poles	white ash red oak aspen	black cherry white oak
Saplings	red maple	ironwood white ash sugar maple white oak

Stand #6 is a stand of small sawtimber and poles along the boundary line between the Weir and Silsby Lots. The aspen and low grade hardwoods should be removed where they are competing with the good red oaks and other desirable hardwoods.

STAND #7: Red Pine and Hardwoods – Poles – 1 acre

	Major Species	Minor Species
Poles	red pine	white ash white pine red maple aspen
Seedling - Sapling	white ash	red oak red maple black cherry shagbark hickory ironwood

Stand #7 is abandoned cropland planted to red pine. The pine was planted at very close spacing (4ft x 4ft) and never thinned. The individual trees are small poles in size and have small crowns. The pine has reached its full potential and should be harvested. The stand should be converted to hardwoods. Some hardwoods seeded in the stand and are pole sized. The aspen and the poor quality hardwoods should be removed.

STAND #8: Hardwoods and Norway Spruce – Poles and Small Sawtimber – 5 acres

	Major Species	Minor Species
Poles	Norway spruce white ash aspen red oak white pine	
Small Sawtimber	white ash aspen red oak white pine	

Stand #8 is abandoned cropland planted to Norway spruce. The hardwoods seeded in the stand and have almost completely taken over. The shade tolerant spruce are now saplings and small poles in the understory. The white ash timber trees could be harvested when there is a sale in Stand #2. The aspen should be removed.

STAND #9: Conifer and Hardwood – Poles & Small Sawtimber – 1 acre

	Major Species	Minor Species
Poles	Scotch pine Norway spruce white ash aspen	
Small Sawtimber	white ash aspen	
Seedling – Saplings	white ash	red oak black cherry shagbark hickory aspen red maple

Stand #9 is abandoned cropland planted to Scotch pine and Norway spruce. There has been heavy mortality in the pine and spruce. Scattered white ash and aspen seeded in the stand and they are now pole and small sawtimber size. There is enough sunlight reaching the forest floor to get the next generation of trees started. The stand will become a hardwood stand. Honeysuckle is getting started in the stand and it should be eradicated.

STAND #10: White Pine – Poles and Small Sawtimber – 2 acres

	Major Species	Minor Species
Poles & Small Sawtimber	white pine	white oak
Seedling – Sapling	white ash red maple red oak beech buckthorn	

Stand #10 is abandoned cropland planted to white pine. There is very little white pine Weevil damage and most of the pines have good form. The stocking level varies throughout the stand. In some places it is overstocked. There are good stems that can still put on more high quality growth. The stand needs a light pre-commercial thinning in places. The honeysuckle is well established and should be eradicated. There are a small number of white ash sawtimber and poles that seeded in the stand. The ash timber could be harvested when Stand #2 is cut.

STAND #11: Red Pine – Poles – 4 acres

	Major Species	Minor Species
Poles	red pine	white ash red oak
Small Sawtimber	white ash	red oak

Stand #11 is abandoned cropland planted to red pine. This is probably the best red pine plantation on the County land. The good height growth indicates that this is one of the few red pine plantations that were not planted off site. The better the height growth at a given age indicates a better growing site.

The pine trees are now large and small poles. They were never thinned. If they had been thinned 30 years ago, they would be small sawtimber and large poles by now. The crowns are small due to the lack of thinning. The trees have reached their full potential and should be harvested.

There are a few pole and sawtimber sized white ash and red oak in the stand. The white ash timber trees could be harvested when Stand #2 is cut. Leave the red oak to get larger and provide a seed source. The honeysuckle is getting started and should be eradicated.

STAND #12: Norway Spruce and Hardwoods – Poles and Small Sawtimber – 2 acres

	Major Species	Minor Species
Poles and Small Sawtimber	Norway spruce red oak white ash aspen	sugar maple white pine Fire cherry shagbark hickory

Stand #12 is abandoned agricultural land planted to Norway spruce. There is a lot of mortality among the spruce. The percentage of spruce varies throughout the stand. Pole and small sawtimber sized hardwoods have come in the stand along with some white pine. No work needs to be done at this time.

STAND #13: Hardwoods – Poles and Sawtimber – 9 acres

	Major Species	Minor Species
Poles	sugar maple shagbark hickory ironwood	white ash beech sweet birch
Small Sawtimber	shagbark hickory white ash sugar maple red oak white oak	
Large Sawtimber	red oak white oak	

Stand #13 is a poor quality hardwood stand of pole and small sawtimber sized trees. The stand is understocked in places and there is a large wet spot with brush in the northwest corner of the stand by the boundary line of the Lot. The stand has cull trees and a fair amount of ironwood. There are some

large sawtimber sized red and white oaks widely scattered throughout the stand. These can be included in the next timber sale. The cull trees in the stand should be removed as part of the timber sale.

STAND #14: Hardwoods – Sawtimber and Poles – 10 acres

	Major Species	Minor Species
Large Sawtimber	red oak white oak aspen	
Small Sawtimber	sugar maple basswood shagbark hickory white ash	red oak white oak white pine bitternut hickory
Poles	sugar maple white ash	red oak basswood ironwood

Stand #14 is a portion of the Lot that was never cleared for agriculture. It consists of large and small sawtimber and poles of hardwoods. The stand is ready for a timber harvest.

STAND #15: Hardwoods – Poles – 3 acres

	Major Species	Minor Species
Poles	white ash shagbark hickory	red oak white pine
Saplings	white ash sugar maple	

Stand #15 is abandoned agricultural land planted to Norway spruce, red pine, and Scotch pine. The stand has been taken over by hardwoods, except for a tiny patch of red pine in one corner of the stand. There are still a few dead or suppressed conifers here and there in the understory. The stand should be ready for a thinning in about 10 years (2022).

STAND #16: Red Pine and Hardwoods – Small Sawtimber and Poles – 8 acres

	Major Species	Minor Species
Small Sawtimber	red pine white ash	red oak sugar maple white oak
Poles	red pine white ash	red maple aspen
Saplings	white ash	red oak
Seedlings	white ash	red maple ironwood red oak shagbark hickory buckthorn

Stand #16 is abandoned cropland planted to alternating rows of red pine and Norway spruce. The red pine had faster height growth in the beginning and shaded out the spruce. This acted as a thinning and

allowed more red pine to reach timber size than in the unthinned stands. The red pine was planted off site and is now at the age where the pine can no longer grow well on the hardpan soil. Some pine mortality is showing up in parts of the stand.
Hardwoods, mostly white ash, seeded in the stand and shaded out the pine to varying degrees throughout the stand. Honeysuckle is getting started in the stand and should be eradicated. The red pine should be harvested and the stand converted to hardwoods.

STAND #17: Conifers and Hardwoods – Poles – 14 acres

	Major Species	**Minor Species**
Poles	larch white pine white ash	Scotch pine Norway spruce red maple aspen red oak

Stand #17 is abandoned agricultural land planted to Scotch pine, larch, white pine, and Norway spruce.

The hardwoods seeded in the Scotch pine heavily and there is very little Scotch pine left. This is now a hardwood pole stand of white ash with some red maple, aspen, and white pine. It is overstocked and will need thinning.

The white pine was planted at close spacing (4ft x 4ft) and never thinned. They have small crowns and reached their full potential. There are a few hardwood poles of white ash, red maple, aspen and red oak. There are some seedlings of white ash, red oak, white oak, shagbark hickory, and aspen. The pine should be harvested.

The larch was also planted at 4 ft x 4 ft spacing. The crowns are very small, and the trees are only small pole size. There is not much mortality yet, but there will soon be major mortality. There are a few white ash and red maple poles in the stand. A good crop of seedling-saplings of white ash, red maple, and red oak are in the understory.

The Norway spruce was planted along with some white pine. Most of the spruce is suppressed and the white pine experienced heavy mortality. A few spruce and white pine were able to become pole size. Even fewer white pines reached small timber size. A few hardwoods of white ash, shagbark hickory, and aspen came in the stand and have reached pole and small sawtimber size. There is heavy buckthorn in the understory.

All conifers in this stand should be harvested and the stand converted to hardwoods through natural hardwood succession.

RECOMMENDATIONS:

1. Hold a hardwood timber sale in Stands #2, 13 and 14.

2. Some white ash timber can be harvested from Stands #3, 5, 8, 9, 10, 11, 12, 16 and 17 when Stands #2, 13 and 14 are cut for a timber sale.

3. Cut all conifer trees in a commercial sale on Stands #3, 5, 7, 11, 16 and 17.

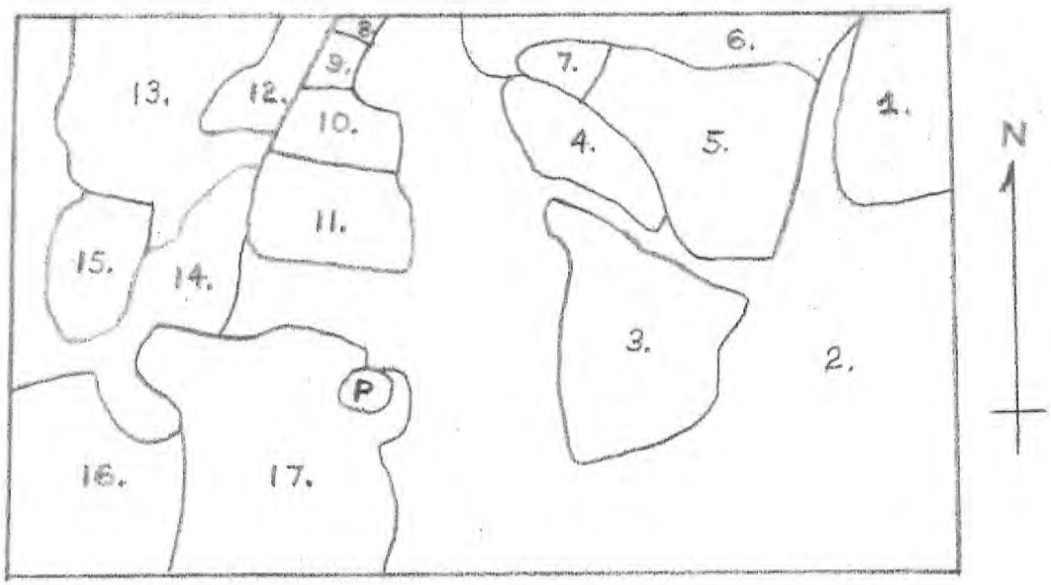
4. Thin Stand #1 pre-commercially. Do a pre-commercial thinning on Stands #6, 7 and 8 to remove aspen that is competing with the more valuable species. Thin pre-commercially Stand #10 where white pine is overstocked.
5. Do a releasing of high value seedlings in a portion of Stand #3 where there is heavy buckthorn and thornapple.

6. Do invasive species control on Stands #3, 5, 9, 10, 11, 16 and 17.

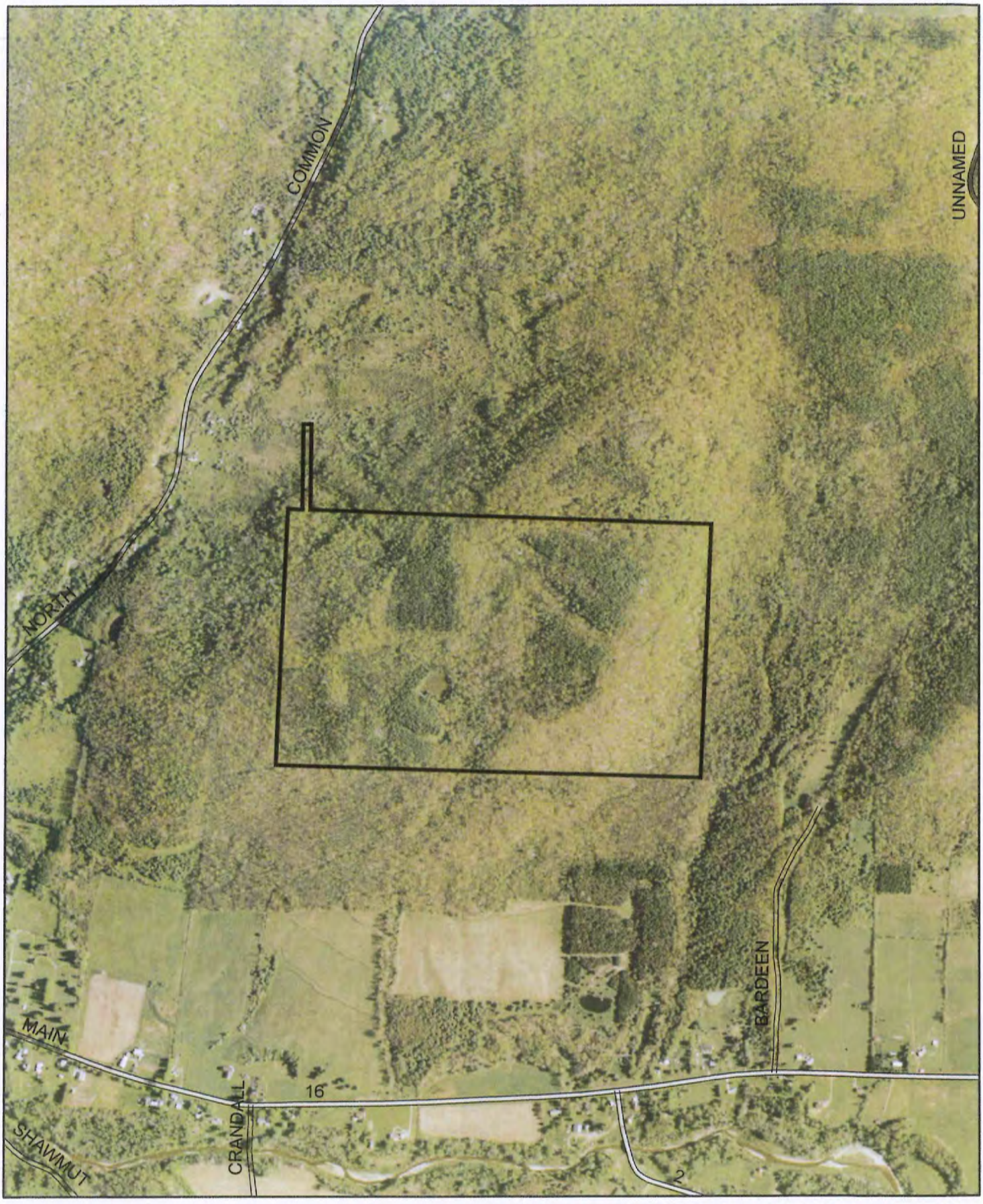
7. Hold a timber sale on Stand #1 during the time period 2022 – 2032. Combine this stand with the next timber sale on the adjacent Silsby Lot.

8. Maintain the boundary lines. Part of the southern boundary line is difficult to find. The eastern boundary line markings are faded.

WEIR LOT



SCALE: 1"=10 CHAINS (660')



Allegany County Forest
Weir Lot
Town of Angelica

Map Updated: 2/7/2012

1 inch equals 1,000 feet

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Allegany County Soil & Water Conservation District