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Date: September 28, 2026

Timber Harvest Plan - Big Brook Perkins Clearing Tract Town of Arietta

Legend

Administrative Boundaries

LAFCO Tracts

APA Wetlands Covertype

Streams LAFCO_2022

Ephemeral

1st and 2nd Order Stream

3rd Order Stream

Harvest Plans

APA Project Site Boundary

Uniform Shelterwood
Removal Cut

**PERKINS
CLEARING**

Jessup River Rd

Lake Pleasant

Arietta

Shelterwood Removal Cut
with Reserves

0 0.25 0.5 1 Miles

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, New York State, Vantor



Lyme Adirondack Timberlands
Big Brook Forest Management Summary

The purpose of this document is to provide a brief summary of the treatment plan and outline the rationale of needing to obtain an APA clearcut permit. All of the areas being proposed for treatment under this permit could be treated without obtaining an APA clearcut permit, however, this would require leaving a higher percent of undesirable stems. Since we do not want to create a situation where the forester needs to manage the stand to stay above the regulatory threshold and avoid doing what is needed to achieve the desired future conditions, we have decided to seek a permit to ensure regulatory compliance.

General Site Overview

The treatment area is located on our Perkins Clearing Tract, Town of Arietta, Hamilton County, New York. The entire Perkins Clearing Tract is 14,379 acres in size and the proposed treatment area includes a total of 496 acres as described in more detail in the harvest plan document. The acreage in the permit was last harvested in 2009, 2012 or 2016 with shelterwood establishments or clearcutting with reserves. The treatments 10-17 years ago were successful and created young cohorts of seedlings, saplings, and small poles. Acreage containing more poles and small sawtimber will be treated with a shelterwood removal with reserves while acreage that is more distinctly 2-aged with seedlings and saplings underneath large overstory stems will be treated with a uniform shelterwood removal. The shelterwood removal with reserves area has 956 stems/acre 1-5" and 10,000+ stems per acre in the seedling class. The most abundant species are yellow birch, red maple, sugar maple, and beech. The uniform shelterwood removal area has 2187 stems/acre 1-5" and 2,000+ stems per acre in the seedling class. The most abundant species are yellow birch, red maple, beech, and sugar maple. Current overstory basal area in the shelterwood removal with reserves acreage is 63 ft²/acre (30% sugar maple, 26% beech, 15% red spruce, 14% yellow birch, 12% red maple and less than 3% white ash, hemlock and balsam fir) and the uniform shelterwood removal acreage has a basal area of 41 ft²/acre (29% sugar maple, 26% beech, 23% yellow birch, 12% red maple, 9% red spruce and 1% hemlock). The intent is to release the young cohorts of desirable species mix, produced from the previous shelterwood treatments. The harvest will result in a vigorously growing young stand of northern hardwoods.

The terrain is flat to rolling hills with some small areas of wetter ground. There is one classified stream crossing within the harvest area and several intermittent crossings. Care will be taken around all wetland and stream buffers using the guidelines of the LAFCO Management Plan and NYS BMPs.

All harvesting activities are conducted under the following controlling documents:

1. Lyme Adirondack Forest Company Forest Management Plan
 - a. Forest Management Goals and Objectives
 - b. Structure and Composition Goals
 - c. Silviculture Guidelines and Prescriptions
 - d. Strategies to Promote Biodiversity
 - e. Riparian Management Zones
 - f. Aesthetic Guidelines
 - g. Soil Disturbance Guidelines
2. Retention and Harvesting Guidelines – Forest Stewards Guide 2010
3. NYS BMP's

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Date: September 25, 2026

Exhibit "A"



123 Quaker Rd.; Suite 107 Queensbury, NY 12804 (518) 793-4481

Timber Harvest Plan

Tract: PERKINS CLEARING

Ownership: LAT II

**Harvest
Plan:**

Big Brook

Taxation	NCC Name	Application #	Acres
480A	Big Brook	20-028	496.18

Contract #: n/a

Contractor: n/a

Forester: Stoddard, Nick

Start Date:

End Date:

Harvest Season: Winter

Total Acres in Harvest Plan 496.18

County	Town	Parcel Name	Tax Parcel	School District	Total
Hamilton	ARIETTA	Arietta_TWP 2	103.000-1-44.100	Piseco	93.75
Hamilton	ARIETTA	Arietta_TWP 3	103.000-1-44.100	Piseco	116.87
Hamilton	ARIETTA	Arietta_TWP 9	103.000-1-44.100	Piseco	285.56

Road (s) Used For This Harvest:

Perkins Clearing Road, Jessup River Road , Big Brook Spur, Camp 9 Spur

Road Work Needed:

Winter roads will need to be plowed and frozen down.

Landing Work Needed:

Road crew will need to push off truck pads and freeze in landings. Remove snow and establish banks.

Stream Crossings:

1 classified stream crossing will be crossed with temporary bridge panels.
Multiple permanent unclassified and seasonal streams will be crossed utilizing bridge panels and steel culverts following regular BMPs.

Skidding Distance:

Up to 1 mile

Trucking Woods Miles:

10.5 Miles

Identification of Timber to be Harvested:

Written Prescription and flagging.

Cut Boundaries Identified By:

Harvest boundaries flagged in pink ribbon, RMZs flagged in blue ribbon.

Volume Determined By:

10 BAF prism cruise and milacre understory survey.

Permits Needed:

APA clearcut permit required, classified stream crossing permit required.

Other:

The harvest is not within ¼ mile of a hibernacula and there are no known roost trees. The harvest will also take place during the winter when bats are in hibernacula.

Presence of LAFCO Riparian Management Zones

<i>Type of RMZ</i>	<i>Feature</i>	<i>Acres</i>
Managed RMZ	1st and 2nd Order Streams	2.77
Managed RMZ	3rd Order Streams	0.75
Managed RMZ	Wetlands, Ponds, and Vernal Pools Less than 10 acres	2.16
n/a	N/A	490.5

NY State Natural Heritage Program

Presence of NHP Species within 1/4 mile:	No NHP species present
NHP Species Name:	n/a

Presence of NHP Natural Community within 1/4 mile:	NHP community present
NHP Natural Community Name:	Beech-Maple Mesic Forest

Notes:

New York Natural Heritage Program, New York State Department of Environmental Conservation. Sept, 2024. Biodiversity Databases, Element Occurrence Record Digital Data Set. Albany, New York.
Warning: The information reported here only contains features present in our Geodatabase and within 1/4 mile from the harvest area. It does not necessarily represent every NHP Occurrence present on the landscape.

Soil Type Chart (where digital soil data available)

<i>Drainage Class</i>	<i>Soil Name</i>	<i>Acres</i>
Excessively drained	Colton-Adams complex, hilly	210.89
Excessively drained	Colton-Adams complex, rolling	36.12
Moderately well drained	Skerry-Adirondack complex, 0 to 8 percent slopes, very bouldery	11.54
Somewhat excessively drained	Adams loamy sand, 3 to 15 percent slopes	107.35
Very poorly drained	Wonsqueak-Rumney-Bucksport complex	0.27
Well drained	Becket-Tunbridge complex, 15 to 35 percent slopes, very bouldery	44.98
Well drained	Mundalite-Rawsonville complex, 15 to 35 percent slopes, very bouldery	32.6
Well drained	Rawsonville-Hogback complex, 15 to 35 percent slopes, very rocky	6.01

Viewshed Restrictions

n/a	496.18
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Block: Shelterwood Removal Cut with Reserves

Acres: 375.03

Preharvest Description:

The harvest is made up of several stands that contain similar species cover type and stocking. Shelterwood establishment harvests took place in 2012 and 2016. The harvest area has an average basal area of 63 square feet per acre of trees 6 inches DBH or greater. Basal area measurements were taken 4.5 feet above the ground or Diameter at Breast Height (DBH) using a basal area factor (BAF) 10 prism. The quadratic mean stand diameter of the overstory is 9.2 inches. The species composition of the overstory is as follows, 30% sugar maple, 26% Beech, 15% Red Spruce, 14% Yellow Birch, 12% Red Maple, and less than 3% white ash, balsam fir, hemlock and other species combined.

The overstory quality is split with acceptable growing stock (AGS) at 56% of basal area classified as AGS. The remaining 44% classified as UGS due to a combination of poor form, dieback, beech scale and other damage.

The canopy openings and seed source throughout the harvest area have successfully established regeneration over the course of the last 10 to 14 years. 1/1000th acre (milacre) samples were taken at every cruise plot. Stems from 1 inch to 5 inches DBH were counted to find an average of 956 stems/acre with a species composition of 55% beech, 39% yellow birch, 6% striped maple. A seedling count was also conducted on the milacre plot. The seedling age class contains an average of 10,000+ stems per acre with a species composition of 41% red maple, 28% yellow birch, 16% sugar maple, 8% beech with the remaining 7% made up of black cherry, spruce, balsam fir, white ash and striped maple.

The understory contains a good mix of desirable species. A combined 11,000 stems/acre of saplings and seedlings throughout the stand indicate a successful shelterwood establishment. The overstory removal will promote further proliferation and growth of the existing regeneration throughout the harvest area. The topography is flat sloping uphill toward the southern edge of the stand along the property line. The stand contains intermittent streams and wet areas that will require frozen winter conditions to minimize soil disturbance.

Harvest Prescription:

Harvest sugar maple, yellow birch white ash greater than 12 but no greater than 24 inches DBH.

Harvest red maple and black cherry greater than 10 inches but no greater than 24 inches DBH

Harvest all beech, basswood and balsam fir.

Harvest spruce containing two 16' logs or better.

Harvest all unacceptable growing stock

Leave all hemlock, elm and oak, for structure and biodiversity.

Leave all snag and den trees.

Reserves will include wildlife trees, all AGS less than 10 inches DBH, and small sawtimber sugar maple and birch with healthy crowns and no damage.

Target overstory BA greater than 6 inches DBH: 15-30 SQFT

Special Management Considerations:

APA classified wetlands, a classified brook and several permanent unclassified streams can be found throughout the stand. These RMZs will be buffered per the requirements of the LAFCO management plan to prevent water quality impacts.

Leave all snag and den trees for wildlife habitat.

Block: Uniform Shelterwood Removal Cut

Acres: 121.15

Preharvest Description:

This stand is the result of two successful regenerative silvicultural treatments. Half of the stand was harvested in 2009 with patch clearcuts with reserves, leaving some seed trees and residual stocking to promote new regeneration. The 2009 harvest is now successfully regenerated and in the stem exclusion phase with nicely spaced large sapling-pole timber. The other half of the stand was harvested in 2016 with a uniform shelterwood establishment. Ten years on, the stand has successfully regenerated 5-15' tall saplings under the residual overstory. In both cases the regeneration is ready for release. The harvest will focus on removing the current overstory and releasing the saplings and pole timber.

The harvest area has an average basal area of 41 square feet per acre of trees 6 inches DBH or greater. Basal area measurements were taken 4.5 feet above the ground or Diameter at Breast Height (DBH) using a basal area factor (BAF) 10 prism. The quadratic mean stand diameter of the overstory is 11.48 inches. The species composition of the overstory is 29% sugar maple, 26% Beech, 23% Yellow Birch, 12% Red Maple, 9% red spruce, and 1% hemlock.

The overstory quality is split with acceptable growing stock (AGS) at 53% of basal area classified as AGS. The remaining 47% classified as UGS due mainly to beech scale, poor form and dieback.

The clearcuts with reserves and shelterwood establishments successfully regenerated the stand. To assess the regeneration throughout the stand, 1/1000th acre (milacre) samples were taken at every cruise plot. Stems from 1 inch to 5 inches DBH were counted to find an average of 2187 stems/acre with a species composition of 43% yellow birch, 40% beech, 8% pin cherry, 3% red maple, 3% red spruce and 3% paper birch. A seedling count was also conducted at the milacre plot. The seedling age class contains an average of 2,608 stems/acre with a species composition of 32% red maple, 27% beech, 20% yellow birch, 11% striped maple, 9% sugar maple, and 1% aspen.

The understory contains a good mix of desirable species with a combined 4,800 stems/acre of saplings and seedlings. The overstory removal will promote further proliferation and growth of the existing regeneration throughout the harvest area. The topography is rolling with a large flat along the road to the southern edge of the stand. The stand contains intermittent streams and wet areas that will require frozen winter conditions to minimize soil disturbance.

Harvest Prescription:

Harvest sugar maple, yellow birch, red maple greater than 10 but no greater than 24 inches DBH. Focus on removing all overstory stems.

Harvest all beech, basswood and balsam fir.

Harvest spruce containing two 16' logs or more.

Harvest all unacceptable growing stock

Leave all hemlock and elm for structure and biodiversity.

Leave all snag and den trees.

All AGS less than 10 inches DBH will be left.

Target overstory BA greater than 6 inches DBH: 10 SQFT

Special Management Considerations:

APA classified wetlands and several permanent unclassified streams can be found throughout the stand. The Jessup River borders the stand to the north. These RMZs will be buffered per the requirements of the LAFCO management plan to prevent water quality impacts.

Leave all snag and den trees for wildlife habitat characteristics.

System	Stratum	Acres
Shelterwood Removal Cut with Reserves	BP	0.17
Shelterwood Removal Cut with Reserves	HMYBRM13D	14.41
Shelterwood Removal Cut with Reserves	HMYBRM24C	193.17
Shelterwood Removal Cut with Reserves	HMYBRS24C	22.24
Shelterwood Removal Cut with Reserves	HMYBSF24C	66.40
Shelterwood Removal Cut with Reserves	HMYBTH24C	37.69
Shelterwood Removal Cut with Reserves	HMYBTH34B	2.56
Shelterwood Removal Cut with Reserves	RD	1.05
Shelterwood Removal Cut with Reserves	RSTH12D	1.64
Shelterwood Removal Cut with Reserves	RSTH34C	16.33
Shelterwood Removal Cut with Reserves	SF/TH24C	7.45
Shelterwood Removal Cut with Reserves	SF/TH34C	0.31
Shelterwood Removal Cut with Reserves	SFTH34B	2.82
Shelterwood Removal Cut with Reserves	THIH24C	6.53
Shelterwood Removal Cut with Reserves	THSF34B	2.07
Shelterwood Removal Cut with Reserves	THSF34C	0.14
Shelterwood Removal Cut with Reserves	YD	0.04
Uniform Shelterwood Removal Cut	HMRMYB24C	2.5
Uniform Shelterwood Removal Cut	HMYBRM14D	37.4
Uniform Shelterwood Removal Cut	HMYBRM24C	12.25
Uniform Shelterwood Removal Cut	HMYBRM34C	4.0
Uniform Shelterwood Removal Cut	HMYBRS12D	32.59
Uniform Shelterwood Removal Cut	HMYBRS13D	29.47
Uniform Shelterwood Removal Cut	RD	1.73
Uniform Shelterwood Removal Cut	RMBCTH24C	0.09
Uniform Shelterwood Removal Cut	SFTH44B	0.29
Uniform Shelterwood Removal Cut	TH/BC44A	0.8
Uniform Shelterwood Removal Cut	YD	0.04