

FOREST MANAGEMENT PLAN

**VILLAGE OF GREENWICH
PROPERTY**

**6 Academy Street
Greenwich, NY 12834**

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Location of Property: This property is identified as tax map parcel 229.-2-5.1 in the Town of Greenwich, Washington County. This property is located East of the North Road. This parcel contains 148.01 acres total, of which approximately 138 acres are wooded and covered in this plan.

Landowner Goal Statement: This property is to be managed for long term forest crop production, while protecting soil, wildlife, water and recreational resources. The owners are interested in managing for quality sawtimber and utilizing timber, pulp, and firewood to produce periodic income as well as create good, abundant wildlife habitat. The property is also used by the public for recreational purposes. There are marked trails throughout the property.

Property/Management History: This property has 4 different stands and a variety of different species within those stands. There is a stand of Norway Spruce and Red Pine that were planted over 65 years ago, a stand of pioneer species, a stand of mature sawtimber, and the final stand is a mixed hardwood stand. These stands will be addressed more in the Stand Diagnosis and Prescription section. There has been no forest management activity on the property in 50+ years. This property was once used for a municipal water supply; however, this is no longer the case.

Management Goals: This management plan is designed to encourage regeneration and induce growth of quality residual stems for long-term forest crop production. In following the plan, harvests would occur in 12-15-year increments. Harvests in each stand will be to allow for optimal regeneration as well as to induce growth in the residual stand. During these harvests low grade and/or diseased stems will be removed to improve the overall health of the stands.

Invasive Species: There are some invasive species present on this property. These will have to be monitored to make sure they don't spread or start to take over an area. Species that have been seen are as follows: Multi Floral Rose, Burning Bush, Honeysuckle, Barberry and Buck Thorn.

STAND DIAGNOSIS AND PRESCRIPTION

STAND: 1 ACREAGE: 19 DATE: 8/22

DESCRIPTION:

Map Outline Color: Orange

Type: Norway Spruce

Site: I

Diameter Class: Sawtimber

Species Composition (%): Norway Spruce (NS) 95

STOCKING: (Per Acre)

Number of Stems/Trees: 150

Average Diameter: 15

Basal Area:

AGS: 190 UGS: 5 TOTAL: 195

Stocking Level: Fully Stocked, approx. 100% (US Forest Service Chart)

MANAGEMENT OBJECTIVE: Even-aged to Un-even aged management

PRESCRIPTION: The prescription for this stand will be a combination of Single Tree Selection and Group Selection. There will be two groups and will be 11-13 acres in total. These will be in the range of 5-7 acres in size (Outlined in Blue with Orange cross lines). The target species for regeneration in the groups will be BB (Black Birch), SM (Sugar Maple), RM (Red Maple) and possibly some BC (Black Cherry). The next harvest should occur in 12-15 years in the area where single tree selection was done. This prescription for this next harvest will be that of an Overstory Removal in this section.

Harvesting should be done during the winter or dry summer months in this Stand to limit soil erosion and rutting. This is the wettest stand on the property.

STAND DIAGNOSIS AND PRESCRIPTION

STAND: 2 ACREAGE: 13 DATE: 8/22

DESCRIPTION:

Map Outline Color: Green

Type: Oak/Maple

Site: II

Diameter Class: Large Sawtimber

Species Composition (%): RO (Red Oak) 45 CO (Chestnut Oak) 10 SM 20 RM 10
BE (Beech) 5

STOCKING: (Per Acre)

Number of Stems/Trees: 125

Average Diameter: 14

Basal Area:

AGS: 145 UGS: 5 TOTAL: 150

Stocking Level: Fully Stocked, approx. 100%, (US Forest Service Chart)

MANAGEMENT OBJECTIVE: Even Aged to Un-even Aged

PRESCRIPTION: The prescription for this stand is going to be that of Single Tree Selection and possibly one small Group for this harvest. The focus should be to remove poor form and low-quality stems during this harvest. Also, some of the mature sawtimber stems in this stand that will be removed. This thinning will allow the residual stems to grow to and put on some more volume before the next harvest. Also, this first harvest will create some space for regeneration. If a group is used it will be placed in an area where there is an abundance of poor form and low-quality stems. Deer browse could be an issue with regeneration in this stand. Target species for regeneration are BB, SM, RM, RO, and possibly some CO. This next harvest should occur in approximately 12-15 years. The prescription for future harvest will also be that of Single Tree selection with possibly some more small groups scattered around.

This stand can be harvested at anytime except excessive wet conditions. Ground scarification will aid in the regenerating process.

STAND DIAGNOSIS AND PRESCRIPTION

STAND: 4 ACREAGE: 26 DATE: 8/22

DESCRIPTION:

Map Outline Color: Yellow

Type: Northern Hardwoods

Site: II

Diameter Class: Small Sawtimber

Species Composition (%): SM 55 RO 15 RM 10 POP 10

STOCKING: (Per Acre)

Number of Stems/Trees: 105

Average Diameter: 9

Basal Area:

AGS: 95 UGS: 10 TOTAL: 85

Stocking Level: Fully Stocked approx. (75%) stocking (USDA Forest Service Chart)

MANAGEMENT OBJECTIVE: Even Aged

PRESCRIPTION: The prescription for this stand is going to be that of Crop Tree Release for this harvest. There will also be one small group selection (Outlined in Blue with Orange Cross Lines) in this stand. The focus will be to remove poor form and low-quality stems and create space for residual stand growth during this first harvest. There are some mature sawtimber trees as well in this stand that will be removed. This thinning will allow the residual stems to grow. Also, this first harvest will create some space for regeneration. The target crop tree species for this stand are going to be SM, RO, RM, and BB. Target species for regeneration are BB, SM, RM and RO. Deer browse may be an issue in this stand as well. This next harvest should occur in approximately 15 years. The prescription for future harvest will Crop Tree release with possibly some more small groups scattered around.

This stand can be harvested at any time, except excessive wet conditions. Ground scarification will aid in the regenerating process.

STAND DIAGNOSIS AND PRESCRIPTION

STAND: Pond / No Harvest

ACREAGE: 9.5

DATE: 8/22

DESCRIPTION:

Map Outline Color: Blue with Blue Crosshatch

Type: Pond / Buffer Area / No Cut Zone

20-Year Work Schedule for the Village of Greenwich Property

2022-2023	Initial Plan, Harvest Stands 1, 2, 3, and 4
2023-2024	Finish Harvest of Stands 1, 2, 3 and 4
2024-2025	None Needed
2025-2026	None Needed
2026-2027	None Needed
2027-2028	None Needed
2028-2029	None Needed
2029-2030	None Needed
2030-2031	None Needed
2031-2032	None Needed
2032-2033	10 Year Plan Review
2033-2034	None Needed
2034-2035	None Needed
2035-2036	Possible Harvest Stands 1, 2, 3, and 4
2036-2037	Possible Harvest Stands 1, 2, 3, and 4
2037-2038	Possible Harvest Stands 1, 2, 3, and 4
2038-2039	None Needed
2039-2040	None Needed
2040-2041	None Needed
2041-2042	None needed
2042-2043	20 Year Plan Review / Update