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| Project Name:Transfer Station Lot | Date Proposed: 2/7/22 |
| Property Name: Dubuque State Forest | Town(s): Savoy |
| Acres: 102 | Landscape Designation: Woodland |
| Forestry District: Western Connecticut Valley | Rec Complex/District: Pittsfield/Mountain |
| Forester: Nicholas Anzuoni | FOTL/F&P Supervisor: Luke Labendz / Mike Rivers |

MASSACHUSETTS FOREST ACTION PLAN GOALS

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| \* Increase resistance and resilience of trees and forests to mitigate and adapt to the effects of climate change |
| \* Manage forest ecosystem health and biodiversity . |
| \* Cultivate and support partnerships with forestry and conservation Stakeholders . |
| \* Other Part of the Landscape Scale Restoration Grant Project. |

GENERAL LOT DESCRIPTION

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| **Acres** | **Forest Type** | | **Stand Description** |
| 31 | Overstory: Beech-birch-maple | Understory: beech | Area of northern hardwoods and associate species. Species include Sugar Maple, Beech, Yellow Birch, Black Cherry, White Ash, and Red Maple. |
| 65 | Overstory: Hemlock-hardwoods | Understory: Beech and hemlock with other hardwoods | Predominately hemlock with a mix of northern hardwoods. These are located near the riparian zones and shaded lower slopes. |
| 6 | Overstory: Hemlock -hardwoods-grey birch | Understory: none | Former gravel pits regenerating into a mix of beech, birch, maple and hemlock with some early successional species such as grey birch mixed in. |

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| Description of Project Area: Northern Hardwoods and associate species with areas of hemlock. Small riparian inclusion and historic gravel pit. |

# SOILS AND TOPOGRAPHIC FEATURES

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| Acres | Soil Type | Drainage Characteristic |
| 61 | 901E | Berkshire-Marlow association, 15-45% slopes, extremely stony. |
| 41 | 905C | Peru-Marlow association, 3-15% slopes, extremely stony. |

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| Average Slope Percent:6-10% | Terrain Consistency: Variable |
| General Aspect:Varied | Terrain Position: Multiple |
| Description of Soils and Topographic Features: Ground conditions are moderate to steep slopes with several former gravel pits located along several flat benches near the lower slopes. General conditions are moderately well drained with varying amounts of rocks and stones. | |

# WETLAND FEATURES

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|  | Present | Crossing | Work within Filter/Buffer |
| Wetlands: | Possible | Possible | Possible |
| Regulated Streams: | Yes | Possible | Possible |
| Non-Regulated Streams: | Possible | Possible | Possible |
| Vernal Pools: | Possible | No | No |
| Seeps: | Possible | No | No |

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| Description of Wetland Features: Click or tap here to enter text. |

CULTURAL RESOURCES

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|  | Present | At Risk | Work Within Buffer |
| Stone Walls: | Yes | No | No |
| Foundation / Cellar Hole: | Possible | No | No |
| Well: | Possible | Possible | No |
| Structures: | No | No | No |
| Cemetery: | No | No | No |
| Other: Click or tap here to enter text. | Choose an item. | Choose an item. | Choose an item. |

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| Description of Cultural Resources: There are minimal cultural features in this project area. Past land use included agricultural use, (potato fields) pasture, woodlands and gravel pits. |

NATURAL HERITAGE / WILDLIFE-HABITAT MANAGEMENT / OTHER RESOURCES

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| Natural Heritage Polygon: No | Natural Heritage Restrictions: No |
| Restrictions on Harvest Description: None | |

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| Wildlife Specific Management: Yes | Targeted Species: Avian |
| Goals: Increase Vertical Diversity. | |

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| Additional Habitat Management: Yes | Habitat Type: early successional |
| Goals: Keep open gravel pit areas in an early seral stage. | |

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| State Forest Action Plan: Yes | State Wildlife Action Plan: Yes |
| ACEC: No | Public Water Supply: No |
| BIO Map2: Yes | Current Resource Management Plan: No |
| Additional Detail: Create greater vertical structure for avian wildlife. | |

FOREST HEALTH / INVASIVE SPECIES

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| Forest Health Concern: Yes | Species Affected: All tree species. |
| Management Considerations: This portion of the forest was impacted by the 2008 ice storm, as was almost all of Savoy due to its high elevation. Many overstory trees are showing broken crowns with rot entering the upper stems. Harvest activity will salvage many of these trees before they become unmerchantable while leaving sufficient cavity trees for forest nesting wildlife. Beech bark disease is also a concern in the project area. | |

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| Plant Invasive Species Present: Yes | Species Present: Japanese barberry, bittersweet. |
| Management Considerations: Inventory invasive species and treat as needed. | |

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| Insect Invasive Species Present: Yes | Species Present: Emerald Ash Borer |
| Management Considerations: Reduce ash overstory component to slow spread of Emerald Ash Borer. Remove/treat beech understory in areas impacted by beech-bark disease to encourage regeneration of other species and reduce beech component in stand. Additional survey work for invasive species impacts. | |

CLIMATE ADAPTATION AND CARBON CONSIDERATIONS

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| **Action Type** | **Identified Issue** | **Action Description** |
| Resilience | Retaining and promoting climate affected species such as red spruce, hemlock, and sugar maple in the hemlock stands. | Silvicultural treatments will provide softwood species with the strongest preference for retention and propagation. |

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| Adaptive Management Strategies: Click or tap here to enter text. |

**INFRASTRUCUTRE / RECREATION/ AESTHETICS**

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| Access Road: Chapel Road | Ownership: Town of Savoy |
| Condition: Good | Road Repair/Upgrade: No |
| Existing Landing: Possible | Landing Repair/Upgrade: Possible |
| Project Access and Landing Site: Chapel Road is currently in good condition and will be the primary truck road utilized for this project. A landing will be constructed from Chapel Road and care will be taken to minimize impacts to the road. There is a woods road leading to an old gravel pit. Portions of this may be used for a landing or access depending on further investigation as the prescription is prepared. | |

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| Existing Skid Trail Network: Possible | Pre-Harvest Repair/Upgrade: Possible |
| Skid Trail Network Description: Old access road to gravel pit may be repaired and used for access. | |

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| Shared Infrastructure: Possible | Road/Trail Names: No name |
| Management Considerations: This portion of the forest sees minimal traffic and recreational use. | |

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| Official Trail Present: No | Condition: Click or tap here to enter text. |
| Illegal Trail Present: No | Condition: Click or tap here to enter text. |
| Existing Trail Head: No | Condition: Click or tap here to enter text. |
| Recreation Facility: No | Condition: Click or tap here to enter text. |
| Recreation and Aesthetic Concerns/Opportunities: The location of the Savoy transfer station precludes any active recreation other than hunting and other passive types of recreation. There is an existing road that leads to an inactive gravel pit and access is through a locked gate on town of Savoy property. | |

SILVICULTURE

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| **Acres** | **Silviculture Type** | **Silviculture Description** |
| 65 | Group selection/ single tree selection | The group selection system will be used to regenerate the Northern hardwood forest type (beech, birch, maple). Emphasis will be placed on retaining high quality growing stock and reducing the white ash component due to the impacts of the Emerald Ash Borer. Group size will be up to 2 acres. |
| 6 | Patch cuts | These types are former gravel pits and may be maintained as early successional forest with entries every 5 to 10 years. Patch cuts up to 3 acres may be used. Portions of this may not be treated as part of this project. |
| 31 | Group selection/ single tree selection | This will occur in hemlock and hemlock hardwood stands. Variable sized groups up to 1 acre will be used to regenerate a mix of sugar maple, hemlock, yellow birch and other |
| 4 | Salvage/single tree selection | Salvage of ash and other hazard trees within 200 feet of Chapel Road within the beech-birch maple forest type. Trees of other species to be retained unless they pose a hazard. |

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| General Comments on Silviculture Proposed: Stand types and silvicultural recommendations are estimates based on an initial field visit. Final prescription document will be based on a detailed inventory of forest types and species. Former gravel pits may be maintained as early successional habitat or forest openings. |

PERMIT REQUIREMENTS / OPPORTUNITIES

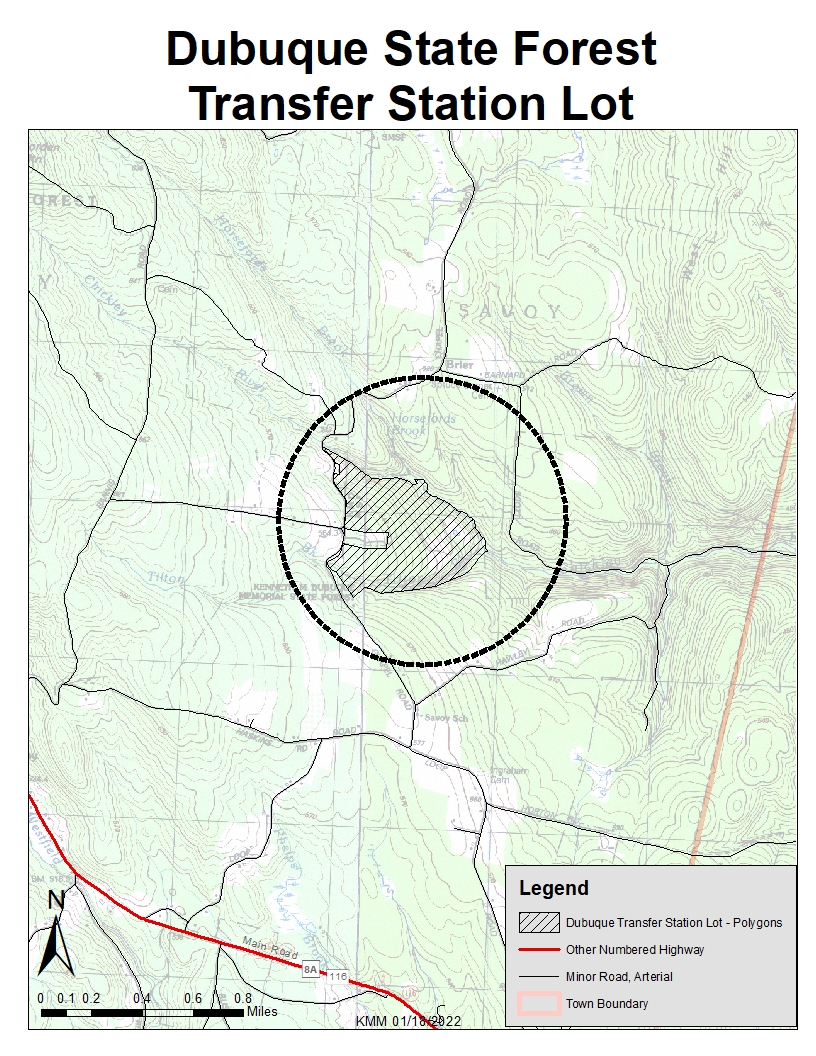
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|  | Description |
| Seasonal Restrictions: Possible | Preparation of the silvicultural prescription may determine any need for seasonal restrictions. |
| Equipment Restrictions: No | Click or tap here to enter text. |
| Recreation Restrictions: No | Click or tap here to enter text. |
| Green Docket: No | Click or tap here to enter text. |
| In-kind Services: Possible | Gravel, grading, invasive species treatments. |

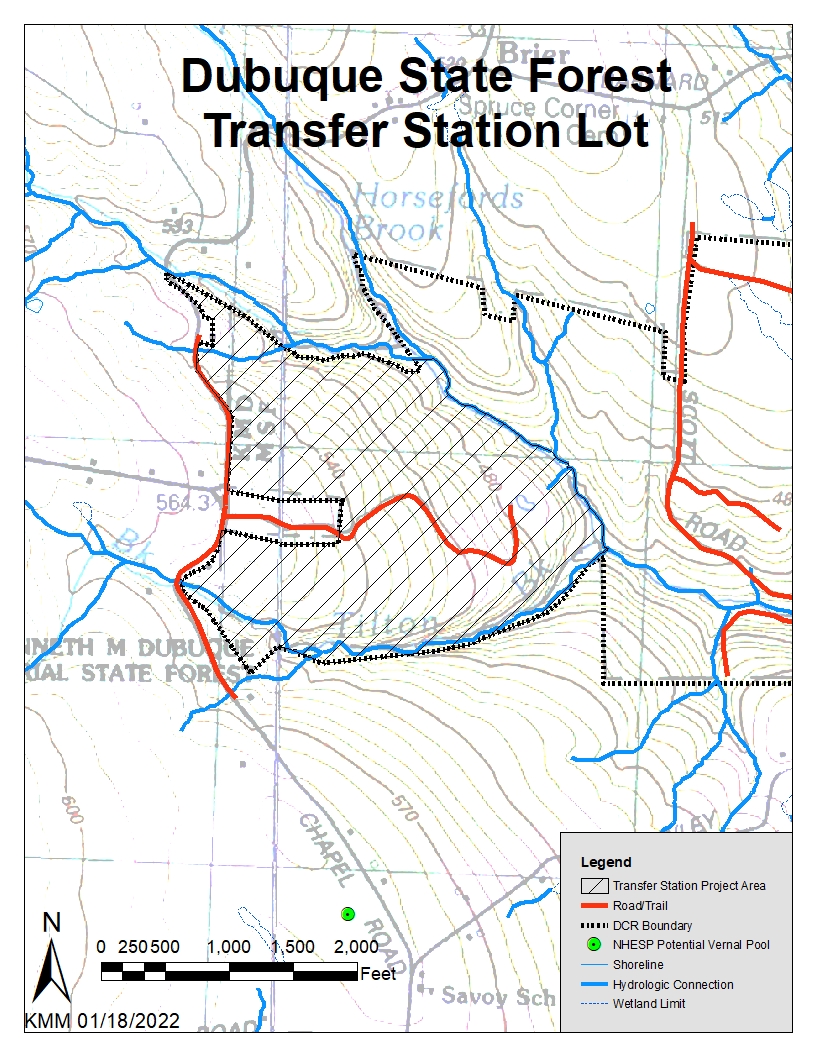
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| Potential Local Economic Benefits: This project will aid the local community with hazard tree removal along Chapel Road and payment from the Forest Products Trust Fund. The harvesting of wood products also provides opportunity for many of the trees harvested to be utilized locally for home heating fuel and sawn wood products that are distributed into the regional economy reducing the carbon footprint on wood products transported from long distances. |

**Attachments:**

**Locus Map**

**Proposal Map**

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