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| Project Name:Scott Road | Date Proposed: 2/7/22 |
| Property Name: Dubuque State Forest | Town(s): Savoy |
| Acres: 175 +/- | 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 |
| \* Cultivate and support partnerships with forestry and conservation Stakeholders |
| \* Manage forest ecosystem health and biodiversity |
| \* Other Part of the Landscape Scale Restoration Grant Project |

GENERAL LOT DESCRIPTION

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| **Acres** | **Forest Type** | | **Stand Description** |
| 5 | Overstory: Norway Spruce | Understory: Beech | Overstory of Norway spruce plantation. May be difficult to access. |
| 60 | Overstory: Hemlock-hardwood | Understory: Beech and hardwood mix | Hemlock overstory with a mix of beech, birch, maple, black cherry, and white ash. Located in riparian zones, steeper slopes and northerly exposures. |
| 16 | Overstory: White pine -hardwoods-hemlock | Understory: Beech and hemlock hardwood mix | White pine with a mix of hemlock and hardwood species including aspen. |
| 8 | Overstory: Abandoned field | Understory: none | Early successional white pine -birch-aspen mix invading previously open fields. |
| 60 | Overstory: Beech-Birch-Maple | Understory: beech, birch, maple, hemlock, and spruce. | Beech, yellow birch, sugar maple with associate species of black cherry, basswood, and red spruce. |
| 26 | Overstory: Aspen-White pine | Understory: Mixed hardwood and softwood | Aspen and white pine with a variety of other species originating from old field abandonment. |

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| Description of Project Area: The Scott Road project area is a mixture of hardwood and softwood forest types growing around an area of recently abandoned pasture. |

# SOILS AND TOPOGRAPHIC FEATURES

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| Acres | Soil Type | Drainage Characteristic |
| 77 | Berkshire-Marlow Association | Well drained, 15-45% slopes, very stony |
| 20 | Lyman-Tunbridge Association | Well drained, 15-60% slopes, extremely stony |
| 43 | Peru-Marlow Association | Well drained, 15-45% slopes, extremely stony |
| 35 | Peru-Marlow Association | Well drained, 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: Soils types are reflected in the past agricultural usage of pasture and woodlots. Very stony and rocky well drained soils are found on variable terrain ranging from flat hilltops to valley bottoms and steep sidehills | |

# WETLAND FEATURES

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|  | Present | Crossing | Work within Filter/Buffer |
| Wetlands: | Yes | 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: Project area has a few major drainages and several smaller streams. A wetland system is present near the top of the hill on the east side of Scott Road and will need to be protected during harvesting operations. Dry or frozen conditions will be preferred to operate in these areas. |

CULTURAL RESOURCES

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|  | Present | At Risk | Work Within Buffer |
| Stone Walls: | Yes | No | No |
| Foundation / Cellar Hole: | Yes | No | No |
| Well: | Possible | No | No |
| Structures: | No | No | N/A |
| Cemetery: | No | No | N/A |
| 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: Historically an agricultural site with stone walls. |

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: Species which utilize young forest habitat. |
| Goals: Create young forest habitat of aspen regeneration. Improve pollinator habitst and soft mast producing trees and shrubs by creating openings. | |

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| Additional Habitat Management: Yes | Habitat Type: Herb Shrub with varying Grasses. |
| Goals: Reclaim old field and maintain as open field by mowing and prescribed fire. | |

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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: Click or tap here to enter text. | |

FOREST HEALTH / INVASIVE SPECIES

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| Forest Health Concern: Yes | Species Affected: All tree species. |
| Management Considerations: Ice storm of 2008 impacted much of the project area. Tree crowns were heavily damaged, and rot is damaging the stems. | |

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| Plant Invasive Species Present: Yes | Species Present: Japanese Barberry |
| Management Considerations: Conduct detailed invasive plant inventory mechanical and chemical control as needed. | |

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| Insect Invasive Species Present: Yes | Species Present: Emerald Ash Borer |
| Management Considerations: Remove overstory ash to slow spread of insect and recover value prior to mortality losses. | |

CLIMATE ADAPTATION AND CARBON CONSIDERATIONS

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| **Action Type** | **Identified Issue** | **Action Description** |
| Resilience | Climate affected species such as sugar maple, hemlock and red spruce are having difficulty regenerating. | Retaining and promoting climate affected species such as red spruce, hemlock, and sugar maple in the beech, birch, maple and hemlock-hardwood stands. Group sizes and locations can be adjusted to suit these species. |

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| Adaptive Management Strategies: Continue to identify species impacted by climate change and adjust silviculture accordingly. Improve resilience for avian migration. Improve sequestration by regenerating aspen which is quick to regenerate. Improving forest stage/age class diversity. |

**INFRASTRUCUTRE / RECREATION/ AESTHETICS**

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| Access Road: Scott Road | Ownership: Click or tap here to enter text. |
| Condition: Good on maintained portion. Road is not maintained past last house near project area. | Road Repair/Upgrade: Choose an item. |
| Existing Landing: No | Landing Repair/Upgrade: No |
| Project Access and Landing Site: Access from Scott Road with the possibility of multiple landings. | |

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| Existing Skid Trail Network: No | Pre-Harvest Repair/Upgrade: Choose an item. |
| Skid Trail Network Description: No existing network and a new one will need to be designed. | |

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| Shared Infrastructure: Yes | Road/Trail Names: Scott Road |
| Management Considerations: Possible | |

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| Official Trail Present: No | Condition: Click or tap here to enter text. |
| Illegal Trail Present: Yes | Condition: Under construction |
| 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: Minimal active recreation occurs in the project area. Passive activities such as bird watching, hiking, fishing, and hunting by local residents is the common use of this property. | |

SILVICULTURE

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| **Acres** | **Silviculture Type** | **Silviculture Description** |
| 5 | Overstory removal | Remove overstory Norway spruce and replace with native hardwoods and hemlock. |
| 60 | Group and single tree selection | Selection harvest system will be used to regenerate the hemlock forest types. Variable sized openings, up to 1 acre in size, created by the group and single tree selection system. Emphasis will be on retaining softwood regeneration. |
| 16 | Group and single tree selection with patch openings. | Selection harvest system will be used to regenerate the white pine-hemlock forest types. Variable sized openings, up to 5 acres in size with reserve trees, created by the group and single tree selection system. Emphasis will be on retaining softwood regeneration. |
| 8 | Non silviculture treatment | Heavy mowing to keep old field open and reclaim edges, Maintain with mowing or fire on 3-5 year cycle. |
| 60 | Group selection and patch cuts with retentions. | Selection harvest system will be used to regenerate the beech, birch,maple forest types. Variable sized openings, up to 5 acres in size, created by the group and single tree selection system with reserve trees. Emphasis will be on retaining and promoting softwood regeneration. |
| 26 | Patch cuts | Patch cuts up to 5 acres with or without reserves. Emphasis on regenerating aspen and creating young forest habitat. |

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| General Comments on Silviculture Proposed: Priority will be given to stands impacted by the 2008 ice storm to assist regenerating these stands and recovering any value from damaged trees. The selection method proposed should allow sufficient flexibility to provide favorable conditions for the regeneration of many tree species. Stands with a large component of aspen will also be a priority to increase habitat for several bird species. |

PERMIT REQUIREMENTS / OPPORTUNITIES

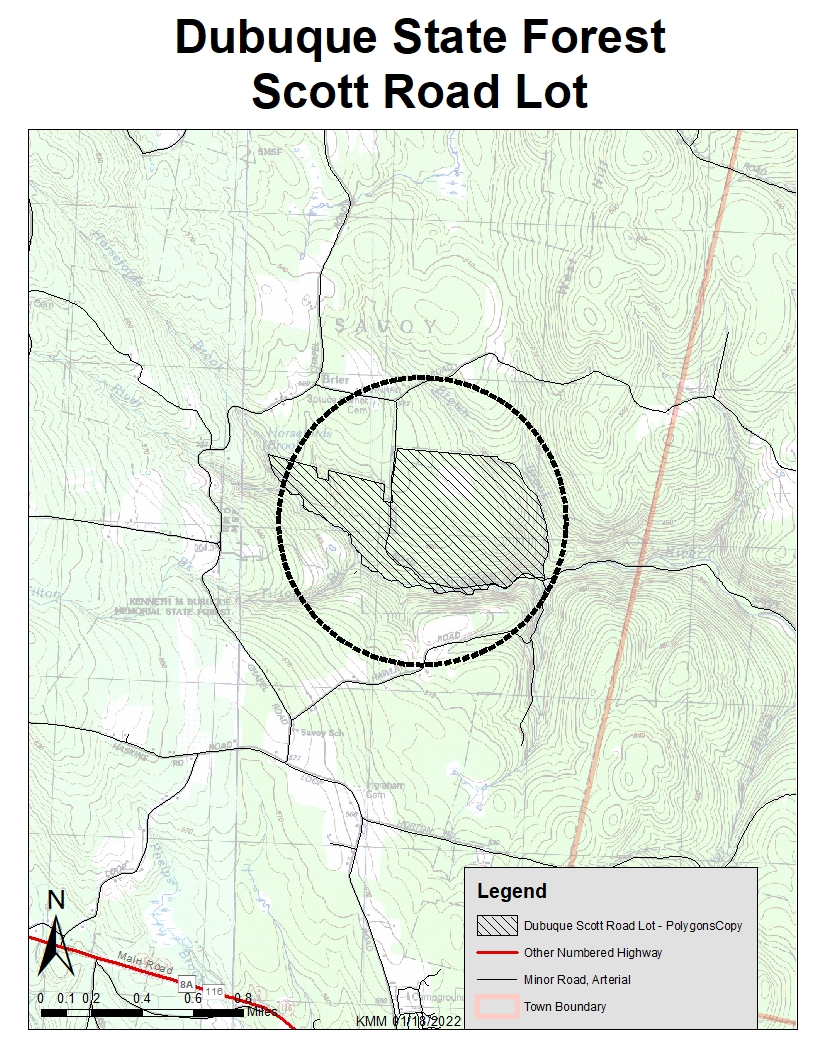
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| --- | --- |
|  | Description |
| Seasonal Restrictions: No | Click or tap here to enter text. |
| Equipment Restrictions: No | Click or tap here to enter text. |
| Recreation Restrictions: No | Click or tap here to enter text. |
| Green Docket: No | Click or tap here to enter text. |
| In-kind Services: Yes | Gravel, gates, grading and possible invasive species control. |

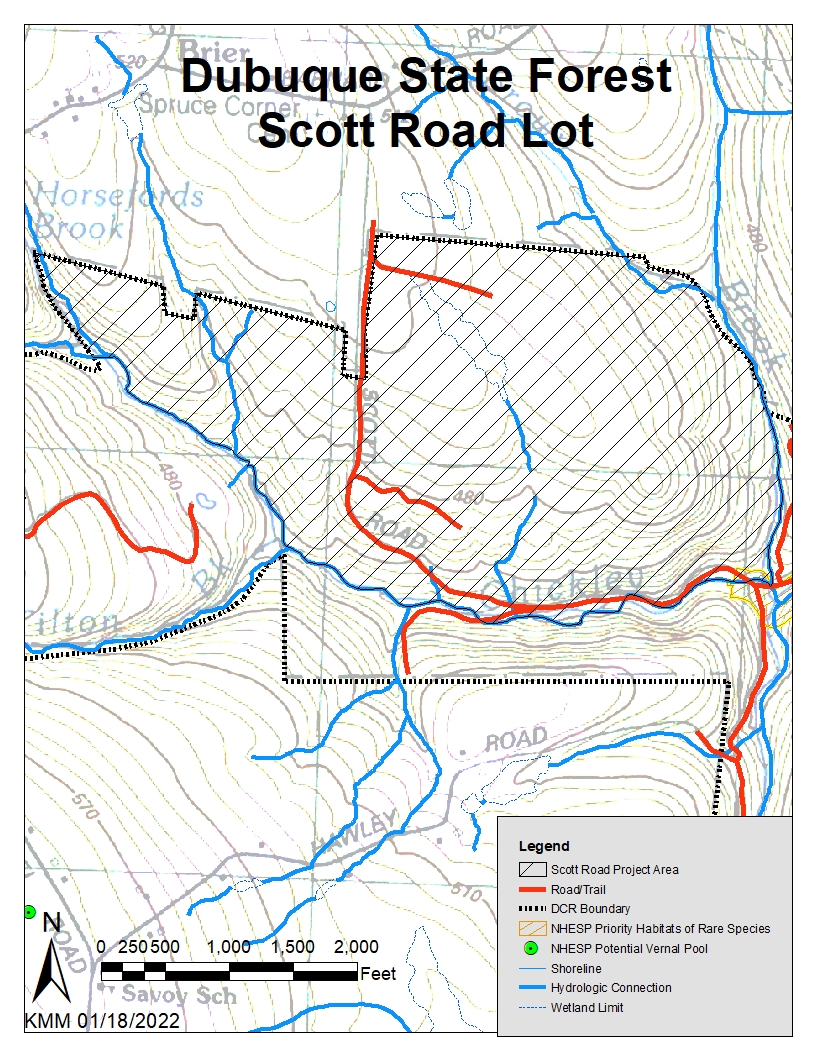
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| Potential Local Economic Benefits: This project will aid the local community with hazard tree removal near access roads, infrastructure improvements, and payment from the Forest Products Trust Fund to the local towns. The harvesting of wood products 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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