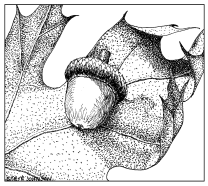
Practice Plan

dcr

Submitted to the Massachusetts Department of Conservation and Recreation (DCR) for participation in CSIP



CHECK-OFFS

Check all that apply to the project and enter information:

☐ Chapter 61	☐ NHESP Priority Habitats
☐ Chapter 61A	☐ Stewardship
☐ Chapter 61B	☐ Bird Assessment
☐ Conservation Restriction (CR)	☐ Climate Smart
CR Holder:	Case Number (No.):

OWNER, PROPERTY, and PREPARER INFORMATION

Property Owner(s) _____

Mailing Address _____ Phone _____

Email Address _____

Case No. _____

Property Location Town(s) _____ Road(s) _____

Plan Preparer _____ MA Forester License No. _____

Mailing Address _____ Phone No. _____

OWNER and PREPARER Disclosure Information:

1) *I certify the work completed and delivered for this CSIP Practice Plan:*
   - *Complies with all applicable Federal, State, Tribal, and local laws and regulations.*
   - *Meets the General and Technical Requirements for this CSIP Practice Plan. The planned practices are based on CSIP Practice Standards, where the practices are to be implemented.*
   - *Is consistent with and meets the conservation goals and objectives for the program.*
   - *Incorporates CSIP Practices that address the participant's objective(s).*

   MA Licensed Forester Signature _____ *Date* _____

2) *I accept the completed CSIP Practice plan as thorough and satisfying my objectives.*

   Participant Signature _____ *Date* _____

3) *MA Service Forestry Program administrative review completion by:*

   Signature _____ *Title* _____ *Date* _____

Section 1. CSIP Project Narrative: Describe the project for which cost share will be used. Include desired outcomes and how it meets the land steward's goals while increasing climate resilience. Narrative must explain recommended practices and technical terminology, clearly linking them to the land steward's goals and objectives.

1.1 C-SIP practices included in the project. Mark all for which cost-share is requested:

☐ C-SIP 1	Harvest layout	☐ C-SIP 2	Legacy tree retention
☐ C-SIP 5.1	Log-reinforced water bars	☐ C-SIP 3	Tree Marking (N/A)
☐ C-SIP 5.2	Seeding (skid trails & landings)	☐ C-SIP 4	Invasive Plant Species Control
☐ C-SIP 5.3	BMP Materials	☐ C-SIP 6	Temporary barriers to animal browse
☐ C-SIP 5.4	Timber mats	☐ C-SIP 7	Tree Planting
		☐ C-SIP 8	Tree Inoculation
		☐ C-SIP 9	Non-commercial Tending; (N/A)

1.2 Land Steward Goals Addressed Through Project

Check "Goal" if applicable. Check "Barrier" if climate change hinders it.

Goal Description	**Goal and Barrier**
Improve access for walking/skiing/recreation	☐ Goal ☐ Barrier
Improve hunting or fishing	☐ Goal ☐ Barrier
Maintain or enhance privacy	☐ Goal ☐ Barrier
Preserve or improve scenic beauty	☐ Goal ☐ Barrier
Protect special features, including those of historical, cultural, or personal significance	☐ Goal ☐ Barrier
Enhance the quality and/or quantity of forest products	☐ Goal ☐ Barrier
Practice agroforestry	☐ Goal ☐ Barrier
Produce income from timber products/ other products and services	☐ Goal ☐ Barrier
Produce firewood for personal use	☐ Goal ☐ Barrier
Enhance habitat for birds	☐ Goal ☐ Barrier
Enhance aquatic habitat in streams, ponds, and other wetlands	☐ Goal ☐ Barrier
Enhance habitat for wildlife	☐ Goal ☐ Barrier
Promote diversity of plant species and habitat types	☐ Goal ☐ Barrier
Increase forest resiliency	☐ Goal ☐ Barrier
Minimize damage from forest pests	☐ Goal ☐ Barrier
Protect water quality	☐ Goal ☐ Barrier
Sequester and/or store carbon to mitigate climate change	☐ Goal ☐ Barrier
Suppress or eradicate invasive plants	☐ Goal ☐ Barrier
Lower property taxes	☐ Goal ☐ Barrier
Protect land from development	☐ Goal ☐ Barrier
Other, Describe_____ _____	☐ Goal ☐ Barrier

1.3 Current Condition of Project Area:

1.4 Desired Future Condition of Project Area:

1.5 Climate change impacts or vulnerabilities addressed:

☐ Forest health concerns, list:_____

☐ Regeneration challenges

☐ Trees species not expected to do well in zone based on tree atlas, and which species managing for:_____

_____

☐ Stronger storms

☐ Drought

☐ Extreme rainfall

☐ Altered seasonality, describe challenge:_____

☐ Other, describe:_____

Describe how these may impact reaching land steward goals on page 2:

1.6 Adaptation approach:

☐ Resistance ☐ Resilience ☐ Transition

Describe why selected:

1.7 Monitoring Plan

Monitoring will use: ◯ DCR Provided checklist OR ◯ Other (attach protocol)

Monitoring will be conducted by

- ☐ Plan Preparer
- ☐ Landowner
- ☐ Other _____

☐ Attest that the person indicated above has been trained in the monitoring protocol indicated

1.8 Spatial Data for all practices has been provided to DCR via email attachment in the following formats:

Shapefile (ESRI)	☐
KML	☐
GPX	☐
Other	☐ _____

1.9 Additional Project Notes:

Section 2. C-SIP 1 – Harvest Layout and C-SIP 5 – Climate-Smart Best Management Practices for Forest Operations

Stand No.	Forest Type	Silvicultural Prescription	Acres	Basal Area Remove	Basal Area Retain	Timing

2.1 Practice Purpose *(check all applicable)*

☐ Protect sensitive soils
☐ Avoid impacts to water resources (wetlands, streams)
☐ Minimize soil compaction
☐ Other: _____

2.2 Practice Details

Practice	Acres or Number	Timing
☐ C-SIP 1 Harvest layout	(A)	
☐ C-SIP 5.1 Log-reinforced water bars	(N)	
☐ C-SIP 5.2 Seeding (skid trails/ landings)	(A)	
☐ C-SIP 5.3 Biodegradable Erosion Control		
☐ Staked bales	(N)	
☐ Staked wattles	(N)	
☐ Biodegradable fiber blanket	(N)	
☐ BMP Kit		
☐ C-SIP 5.4 Timber mats	(N)	

2.3 Additional Details:

2.4 Mapping, Monitoring and Maintenance

Activity	Timing
☐ Map showing locations of marked skid trails, landings, water/erosion control structures, timber mats, etc. (C-SIP 1 Harvest Layout)	
☐ Document location of BMPs and other mapped elements during harvest	
☐ Document that the site has stabilized and/or erosion control remains in place and functional after harvest.	
☐ All temporary erosion controls removed from regulated resource areas.	

Section 3. C-SIP 2 – Legacy Tree Retention

Stand No.	Forest Type	Silvicultural Prescription	Acres	Basal Area Remove	Basal Area Retain	Timing

3.1 Practice Purpose *(check all applicable)*

☐ Maintain carbon stores in large trees

☐ Maintain seed sources for trees well suited to the site

☐ Provide wildlife habitat in large roost and cavity trees

☐ Other: _____

3.2 Legacy Trees to be Retained

Trees/Patches per acre:_____

Total trees or Total area of patches:_____

Description of trees to be marked (species, size, other characteristics):

How trees will be marked:

☐ Single legacy trees will be painted with an "L" on two sides and their position mapped or locations spatially captured (GPS, KML, GPX, shapefile, other) and documented in the Forest Management or Stewardship Plan.

☐ Legacy trees serving as anchors for patch reserves will be painted with an "L" on two sides, and their position mapped or locations spatially captured (GPS, KML, GPX, shapefile, other) and added to the amended Forest Management or Stewardship Plan.

☐ The perimeter of a Legacy Tree reserve patch will be painted and mapped, or locations spatially captured (GPS, KML, GPX, shapefile, other) and documented in the Forest Stewardship Climate Plan.

When trees will be marked:_____

3.3 Additional Details:

3.4 Monitoring Plan

Activity	Timing
☐ Map showing harvest area and extent of legacy tree marking.	
☐ Document trees and patches marked as legacies before harvest.	
☐ Document trees and patches marked as legacies after harvest.	
☐ Consent to pre- and post-treatment forest resilience monitoring	N/A

Section 5. C-SIP 4 – Invasive Plant Species Control

5.1 Practice Purpose *(check all applicable)*

☐ Provide growing space for native trees

☐ Provide growing space for native understory plants

☐ Remove invasive seed sources to slow invasion into adjoining forest

☐ Other: _____

5.2 Practice Details

Stand	Acreage	Species present	Treatment Mo./Year	Intensity/Method

☐ Herbicides used (if known), list:_____

Licensed Pesticide Applicator/Number (if known):_____

☐ Multiyear treatment required; Number of years funding requested _____

5.3 Re-establishing Native Vegetation (check methods planned)

☐ Harvest for site prep and to increase light availability (see CSIP 1,3,5)

☐ Planting (see CSIP 7, cost-share not available as of Jan. 2026)

☐ Seeding (see CSIP 5.2)

☐ Deer protection (see CSIP 6)

☐ Other: _____

5.4 Additional Details:

5.5 Monitoring Plan

Activity	Timing
☐ Map showing extent and intensity of areas treated.	
☐ Resurvey after all treatments have been completed.	
☐ Consent to pre- and post-treatment forest resilience monitoring	N/A

Section 6. C-SIP 6 – Temporary Barriers to Animal Browse

6.1 Practice Purpose *(check all applicable)*

☐ Protect native seedlings from deer and/or moose browse

☐ Establish tree species sensitive to deer/moose browse above height of browse

☐ Enable regeneration of climate adapted tree species appropriate to the site

☐ Other: _____

6.2 Practice Details

Stand No.	Forest Type	Acres	Timing

Browse Pressure: (◯ Low ◯ Medium ◯ High)

Seedlings to be protected

☐ Planted ☐ Natural Regeneration

Total Number:_____; Density:_____/ac

Species:_____

Growing conditions:_____

Other characteristics:_____

Utilizing DCR Provided Tubes & Supplies: ◯ Yes ◯ No

Number of tubes:_____; Type:_____Height:_____

Number of stakes:_____; Type:_____Height:_____

Number of bird caps:_____; Type:_____

Cages (Number, diameter, materials, description)**:**_____

_____

☐ Vole protection

☐ Mulch

6.3 Additional Details:

6.4 Monitoring Plan

Activity	Timing
☐ Map showing extent and density of tree protection.	
☐ Re-survey annually to maintain tubes/stakes/caps and remove as described in the Practice Standards documentation.	
☐ Consent to pre- and post-treatment forest resilience monitoring	N/A

Section 7. C-SIP 7 – Enrichment Planting

7.1 Practice Purpose *(check all applicable)*

☐ Overcome regeneration failure
☐ Increase tree species richness
☐ Increase stocking of understocked stand
☐ Transition a stand to a more climate adapted state
☐ Afforestation
☐ Assisted population migration
☐ Other: _____

7.2 Practice Details

Planting Location	Forest Type	Acres

Seedlings to be planted

Species	Quantity	Cost	Seedling Type	Sourcing
			Containerized	Local
			Containerized	Local
			Containerized	Local
			Containerized	Local
			Containerized	Local
			Containerized	Local
			Containerized	Local
			Containerized	Local
			Containerized	Local
			Containerized	Local
			Containerized	Local
			Containerized	Local
Total			N/A	N/A

Site Prep, Planting and Maintenance

Light condition management *(check all applicable)*:

☐ Harvest
☐ Midstory removal
☐ Other disturbance
☐ Afforestation of open land

Competition management *(check all applicable)*:

☐ Invasives treatment
☐ Competing vegetation under 5 feet suppressed
☐ Competing vegetation over 5 feet controlled
☐ Mulch

Soil prep: ☐ Scarification ☐ Plow/disc

7.2 Practice Details (continued)

Planting

Timing: ☐ Spring ☐ Fall Year:_____

Spacing:

Conditions required for planting, including species specific microsites:

Tree Protection (*check all applicable*)

- ☐ Vole protection (see C-SIP 6)
- ☐ Tree shelters (see C-SIP 6)
- ☐ High fencing
- ☐ Multi-layer low fencing
- ☐ Slashwall

Maintenance

- ☐ Watering plan
- ☐ Tree shelters monitoring and maintenance plan

7.3 Additional Details (include justification for species planted, where seedlings will be sourced, seedling type technical details, tree protection strategy, maintenance plan)**:**

7.4 Monitoring Plan

Activity	**Timing**
☐ Map showing extent and density of tree planting.	
☐ Monitor soil conditions during dry periods for first two years.	N/A
☐ Re-survey annually to maintain tubes/stakes/caps and remove as described in the CSIP 6 Practice Standards documentation.	
☐ Consent to pre- and post-treatment forest resilience monitoring	N/A

Section 8. C-SIP 8 – Tree Inoculation

8.1 Practice Purpose *(check all applicable)*

☐ Protect native trees from forest pests

☐ Ensure genetic diversity and population persistence of threatened tree species

☐ Maintain seed sources of threatened native tree species

☐ Other: _____

8.2 Practice Details

Number of trees to be treated:

Species	**6-11"**	**12-15"**	**16-19"**	**20"+**
White ash (M / F)	N/A	/	/	/
Green ash (M / F)	/	/	/	/
Black ash (M / F)	/	/	/	/
Eastern hemlock				

(Ash only) Has sex of trees been determined? ☐ Y ☐ N ; Date attempt made?_____

Condition of trees to be treated

Canopy position: ☐ Dominant/Codominant ☐ Other (provide justification below)

Canopy condition: ☐ Healthy ☐ Minor-Moderate Decline

Inoculation method used: ☐ Injection ☐ Basal spray (hemlock) ☐ Tablets (hemlock)

Pesticides used: ☐ Emamectin benzoate ☐ Imidacloprid ☐ Dinotefuran

Timing of treatment (month, year): _____

Is a second treatment planned before December 2029? ◯ Y ◯ N

Tree Marking: Trees indicated with paint on two sides and position mapped or spatially captured (GPS, KML, GPX, shapefile, other) and documented in the Forest Management or Stewardship Plan. Identify sex of ash trees on tree with paint. Describe marking used:_____

Licensed Pesticide Applicator/Number (if known):_____

☐ Documentation of applied pesticides is available and will be supplied

8.3 Additional Details (include narrative of trees inoculated and how integrated with other practices for population persistence)**:**

8.4 Monitoring Plan

Activity	**Timing**
☐ Map showing extent and density of trees inoculated.	
☐ Re-survey before retreatment date to assess treatment success.	
☐ Consent to pre- and post-treatment forest resilience monitoring	N/A