



# FOREST MANAGEMENT PLAN

Submitted to: Massachusetts Department of Conservation and Recreation  
For enrollment in CH61/61A/61B and/or Forest Stewardship Program



CHECK-OFFS					Administrative Box			
CH61	CH61A	CH61B	STWSHP	C-S	Case No.	Orig. Case No.		
cert. <input type="checkbox"/>	cert. <input type="checkbox"/>	cert. <input type="checkbox"/>	new <input checked="" type="checkbox"/>	EEA <input type="checkbox"/>	Owner ID	Add. Case No.		
recert. <input type="checkbox"/>	recert. <input type="checkbox"/>	recert. <input type="checkbox"/>	renew <input type="checkbox"/>	Other <input checked="" type="checkbox"/>	Date Rec'd	Ecoregion		
amend <input type="checkbox"/>	amend <input type="checkbox"/>	amend <input type="checkbox"/>	Green Cert <input type="checkbox"/>		Plan Period	Topo Name <u>Maynard</u>		
			Conservation Rest. <input type="checkbox"/>		Rare Spp. Hab.	River Basin <u>Concord</u>		
Plan Change: _____ to _____			CR Holder					

## OWNER, PROPERTY, and PREPARER INFORMATION

Property Owner(s) Town of Sudbury, c/o Sudbury Conservation Commission  
Mailing Address 275 Old Lancaster Road, Sudbury, MA 01776 Phone 978-443-2209

Property Location: Town(s) Sudbury Road(s) Old Sudbury Rd & Water ROW

Plan Preparer Gary H. Gouldrup, New England Forestry Cons., Inc. Mass. Forester License # 81  
Mailing Address 72 Townsend Street, Pepperell, MA 01463 Phone 978-433-8780

## RECORDS

Assessor's Map No.	Lot/Parcel No.	Deed Book	Deed Page	Total Acres	Ch61/61A 61B Excluded Acres	Ch61/61A 61B Certified Acres	Stewshp Excluded Acres	Stewshp Acres
H10	301	31975	451	1.93	NA	NA	0.00	1.93
H10	15	41708	165	0.71	NA	NA	0.00	0.71
*H10	300	31975	451	40.10	NA	NA	0.00	40.10
H11	401	1310	144	23.49	NA	NA	0.00	23.49
H11	300	18737	217	30.27	NA	NA	0.00	30.27
H11	305	39630	344	2.39	NA	NA	0.00	2.39
H11	15	12961	275	1.69	NA	NA	0.00	1.69
G11	200	31975	451	29.42	NA	NA	0.00	29.42
TOTALS				130.00	0.00	0.00	0.00	130.00

## Excluded Area Description(s) (if additional space needed, continue on separate paper)

There are no excluded areas.

**HISTORY** Year acquired 1987-2005 Year management began 2010

Is subdivision plan on file with municipality? Yes ☐ No ☒  
Are boundaries blazed/painted? Yes ☐ No ☒ Partially ☐  
Have forest products been cut within past 2 years? Yes ☐ No ☒

What treatments have been prescribed, but not carried out (last 10 years if plan is a recert.)?

stand no. NA treatment NA reason NA

Previous Management Practices (last 10 years)

Stand #	Cutting Plan #	Treatment	Yield	Value	Acres	Date
<u>All</u>	<u>NA</u>	<u>Trail Management</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>2008-2010</u>

Remarks: (if additional space needed, continue on separate page)

\* Acreage for Map H10, Lot 300 is based on map calculations and GPS field work. The Assessor's acreage figures appear to be too low.

## RECORDS

Assessor's Map No.	Lot/Parcel No.	Deed Book	Deed Page	Total Acres	Ch61/61A 61B Excluded Acres	Ch61/61A 61B Certified Acres	Stewship Excluded Acres	Stewship Acres
H10	301	31975	451	1.93	NA	NA	0.00	1.93
H10	15	41708	165	0.71	NA	NA	0.00	0.71
*H10	300	31975	451	40.10	NA	NA	0.00	40.10
H11	401	1310	144	23.49	NA	NA	0.00	23.49
H11	300	18737	217	30.27	NA	NA	0.00	30.27
H11	305	39630	344	2.39	NA	NA	0.00	2.39
H11	15	12961	275	1.69	NA	NA	0.00	1.69
G11	200	31975	451	29.42	NA	NA	0.00	29.42
TOTALS				130.00	0.00	0.00	0.00	130.00

## EXCLUDED AREA DESCRIPTION (continued):

*There are no excluded areas.*

## HISTORY (continued):

*Trail management has been done on the property by local volunteers. The trail work has included clearing, foot bridge construction, and the partial marking of trails with signs and markers.*

*The property and several abutting properties have been surveyed in the past. The surveys will be used to help identify the property lines in the future.*

*Cultural resource protection and improvement has been pursued on the property by the Sudbury Historical Society. Recent work to remove vegetation around the Haynes Garrison House off of Water ROW has been done.*

*Parking lot areas have been constructed off of Old Sudbury Road and Fieldstone Farm Road.*

*Periodic mowing of the open meadows is done yearly in the northern sections of the property. Mowing is done in August in order to avoid the bird nesting season.*

*IS Haynes Garrison included??*

*inside/overgrown*

Owner(s) Town of Sudbury, Conservation Commission Town(s) Sudbury





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## Property Overview, Regional Significance, and Management Summary

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The Sudbury Conservation Commission's King Philip, Piper, Dickson, and Libby properties are located in an east-central section of Sudbury near the Sudbury River. The property has been acquired periodically over the years since 1987. The Town of Sudbury initially purchased jointly with the Department of Environmental Management the King Philip Woods. The King Philip Woods have significant historical resources on the property. The abandoned Old Berlin Road was an important stagecoach road from Boston to Lancaster, and is now a dirt road located on the south side of the property. The "Tavern of the Damned" and the "Haynes Garrison House" foundations are also located on the property. The Haynes Garrison House is the location where two survivors of the 1676 Native American massacre of Sudbury settlers, at the Four Arch Bridge (at the Sudbury River in Wayland), fled for refuge. It is here, that they courageously fought off a band of warriors of the Wampanoag Chief, King Philip.

No

The property lies in the <sup>SuAsCo</sup> Concord Watershed. Water that flows through the property flows south into the Sudbury River just east of the property. The Town of Sudbury identifies this watershed locally as the Great Meadows Watershed. The Great Meadows National Wildlife Refuge is located just east of the property on the east side of Water ROW.

The forest soils on the property are diverse and consist of productive and unproductive types. The upland areas consist of well drained rock outcrops and fine sandy loam (Charlton-Hollis-Paxton) as well as moderately drained fine sandy loam (Woodbridge-Merrimac-Sudbury-Deerfield). The wetland areas include poorly drained muck (Freetown-Swansea) and fine sandy loam (Whitman-Ridgebury).

Should we define this? yes - more detail

The property is comprised of mature white pine, mixed oak, red maple and mixed hardwood upland forest types. Open wetland resource areas include a pond, vernal pools, and swamps which provide wildlife habitat and landscape diversity to the property. Open meadows and abandoned apple orchards can also be found on the property. The forest health is generally good although overstocking of trees is prohibiting adequate forest regeneration in many areas of the forest. Ash dieback is also a concern in the southern and eastern sections of the forest.

define could we all 1 or 2 sentences depending on this

Non-native and invasive species are present on the property and include buckthorn, bittersweet, firebush (winged euonymus), honeysuckle, and barberry. These species are prevalent along the open fields, residential dwellings, and roads.



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## Property Overview, Regional Significance, and Management Summary

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Trails have been established on the property by local volunteers. Allowable uses of the property include hiking, cross country skiing, camping, and biking.

Management on the property over the next ten years will focus on recreation improvements, wildlife habitat enhancement, cultural resource protection, biological diversity, forest stewardship education, and potential timber resource management. Some of the management will be conducted by local volunteers. The Sudbury Weed Education and Eradication Team (SWEET) will be called upon to address the invasive species concerns and help develop a list of plant species on the property.

— Should we  
include  
"dogs  
allowed"  
→  
not  
necessary

Town of Sudbury, Conservation Commission

**Landowner Goals**

Please **check** the column that best reflects the importance of the following goals:

Goal	Importance to Me			
	High	Medium	Low	Don't Know
Enhance the Quality/Quantity of Timber Products*			X	
Generate Immediate Income			X	
Generate Long Term Income			X	
Produce Firewood			X	
Defer or Defray Taxes (NA)				
Promote Biological Diversity	X			
Enhance Habitat for Birds	X			
Enhance Habitat for Small Animals	X			
Enhance Habitat for Large Animals	X			
Improve Access for Walking/Skiing/Recreation		X		
Maintain or Enhance Privacy			X	
Improve Hunting or Fishing			X	
Preserve or Improve Scenic Beauty		X		
Protect Water Quality	X			
Protect Unique/Special/ Cultural Areas	X			
Other: Improve Coldwater Trout Streams	X			

\* This goal must be checked "HIGH" if you are interested in classifying your land under Chapter 61/61A.

1. In your own words please describe your goals for the property:

*Protecting the natural resource values and diversity of our lands while promoting public enjoyment of the outdoors. Specific objectives to this goal are addressed in this Forest Stewardship Plan.*

**Stewardship Purpose**

By enrolling in the Forest Stewardship Program and following a Stewardship Plan, I understand that I will be joining with many other landowners across the state in a program that promotes ecologically responsible resource management through the following actions and values:

1. Managing for long-term forest health, productivity, diversity, and quality.
2. Conserving or enhancing water quality, wetlands, soil productivity, biodiversity, cultural, historical and aesthetic resources.
3. Following a strategy guided by well-founded silvicultural principles to improve timber quality and quantity when wood products are a goal.
4. Setting high standards for foresters, loggers and other operators as practices are implemented; and minimizing negative impacts.
5. Learning how woodlands benefit and affect surrounding communities, and cooperation with neighboring owners to accomplish mutual goals when practical.

**Signature(s):** \_\_\_\_\_ **Date** \_\_\_\_\_

## STAND DESCRIPTIONS

OBJ	STD NO	TYPE	AC	MSD OR SIZE-CLASS	BA/AC	VOL/AC	SITE INDEX
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STEW	1	MW	8.76	Meadow	NA	NA	63 (RO)
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This area is mostly an open meadow containing grasses, ferns and wildflowers. A few apple trees and wetland shrubs can also be found. A small section of red maple pole sized trees can be found between Rice Road and Old Sudbury Road. The area is annually mowed late in the summer in order to avoid the bird nesting season. A few bluebird boxes have been placed on poles within sections of the meadow. The area is flat to gently sloped with moderately well and somewhat poorly drained fine sandy loam soils (Montauk-Sudbury). Management will continue to focus on keeping the meadow open by mowing in order to provide habitat beneficial to wildlife for nesting, mating and feeding purposes. The desired future condition is to maintain a meadow for wildlife over the next ten years of management.

STEW	2	OH	26.24	10.2" DBH Sawtimber-Pole	95 sqft	3,000 BF & 14.9 Cds	63 (RO)
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Mixed oaks and mixed hardwoods are the dominant overstory species in this adequately stocked pole and sawtimber sized stand. Species composition, stand density and size class varies throughout the area. The mixed oak component includes red oak, black oak and white oak poles and sawtimber of poor to good form and timber quality. The mixed hardwood component includes red maple, hickory, black birch, white ash, sugar maple, and American elm poles and sawtimber of poor to good form and timber quality. Scattered white pine poles and sawtimber of poor to good form and timber quality can also be found. Forest regeneration is scattered and includes mixed hardwood saplings. Buckthorn, firebush (winged euonymus), bittersweet, honeysuckle wild grape, spicebush, and ferns can all be found in the understory. Most of the invasive species are present in the northern sections of the stand near the open meadow. The invasive species are prolific in these areas and is affecting the development of native species in the understory. The terrain is gently to moderately sloped with rocky ledge in the higher elevations. The soils range from well drained rock outcrop (Charlton-Hollis-Paxton) to poorly drained fine sandy loam (Scarboro) capable of producing high quality timber resources. Management will focus on trail maintenance and the removal of invasive species when economically feasible. The desired future condition is a stand that is growing native vegetation that provides recreational opportunities for the public and habitat for wildlife.

STEW	3	RM	4.21	Sapling-Pole	10 sqft	2.0 Cords	50 (RM)
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Red maple is the dominant overstory species in this understocked sapling and small pole sized stand. Most of this wetland resource area is open and vegetated with alder, swamp azalea, spicebush, ferns, skunk cabbage and other wetland shrubs and plants. The area is flat and hummocky with very poorly drained organic soils (Scarboro Muck) only capable of producing poor quality timber resources due to the high water table. Management will focus on protecting this site as a wetland resource area for wildlife habitat. Installing a wood duck box is recommended in the northern sections of this area where there is open water and emergent vegetation. The desired future condition is an area that will protect water quality and provide habitat for wildlife.

Continued on page 13 .....

OBJECTIVE CODE: CH61 = stands classified under CH61/61A      STEW= stands not classified under CH61/61A  
 STD= stand   AC= acre   MSD= mean stand diameter   MBF= thousand board feet   BA= basal area   VOL= volume

Owner(s) Town of Sudbury (Conservation Commission)      Town(s) Sudbury



## STAND DESCRIPTIONS

OBJ	STD NO	TYPE	AC	MSD OR SIZE-CLASS	BA/AC	VOL/AC	SITE INDEX
STEW	4	OM	15.06	9.5" DBH Pole-Sawtimber	110 sqft	2,250 BF & 19.9 Cds	60 (RO)

Mixed oaks are the dominant overstory species in this well stocked pole and sawtimber sized stand. The mixed oaks include black, red and white oak stems of poor to good form and timber quality. Scattered white pine, red cedar and mixed hardwood poles and sawtimber of poor to good form and timber quality can also be found. An abandoned apple orchard can be found on the east side of the main trail that runs through the middle of the stand. Forest regeneration includes scattered white pine and mixed hardwood saplings. Invasive species such as buckthorn and honeysuckle are present in the open apple orchard. Management will focus on trail maintenance and potential timber management. The desired future condition is a stand that provides recreational opportunities for the public, wildlife habitat and high quality timber resources in several size and age classes.

STEW	5	WH	4.36	14.1" DBH Sawtimber-Pole	145 sqft	6,250 BF & 23.0 Cds	63 (RO)
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White pine and mixed hardwoods dominate the overstory of this well stocked sawtimber and pole sized stand. The white pine stems range from poor to good in form and timber quality. The mixed hardwood component includes red oak, black oak, white oak, hickory, red maple, black birch and white ash poles and sawtimber sized stems of poor to good form and timber quality. Forest regeneration is scattered and consists of mixed hardwood and white pine saplings. Buckthorn is also present in the understory. The area is gently sloped with well to moderately drained fine sandy loam soils (Charlton) capable of producing high quality timber resources. Management will focus on potential timber resource management. The desired future condition is a stand that provides recreational opportunities for the public, wildlife habitat and high quality timber resources in several size and age classes.

STEW	6	RM	6.92	8.8" DBH Pole	75 sqft	750 BF & 15.6 Cds	55 (RM)
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Red maple is the dominant overstory species in this variably stocked pole sized stand. The red maple stems range from poor to fair in form and timber quality. Scattered white pine, black birch and white ash poles and sawtimber of poor to fair form and timber quality can also be found. The upland areas tend to be adequately stocked while the wetland areas are more open and understocked. Forest regeneration consists of white pine saplings in the upland areas. The wetland areas consist of shrubs, ferns and other wetland vegetation. The area is flat to gently sloped with moderately drained fine sandy loam soils (Scarboro) and poorly drained soils (Whitman-Swansea). The soils are capable of producing fair to good quality timber resources. No management is recommended at this time. The desired future condition is a stand that provides protection for water quality and habitat for wildlife.

STEW	7	WO	24.09	14.5" DBH Sawtimber	155 sqft	10,250 BF & 21.1 Cds	63 (WP)
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White pine and mixed oaks dominate the overstory of this overstocked sawtimber sized stand. The white pine stems range from fair to good in form and timber quality. The mixed oak sawtimber and pole sized stems range from poor to good form and timber quality. Scattered red maple, white ash and hickory poles and sawtimber of poor to fair form and timber quality can also be found. Forest regeneration is scattered and consists of advanced white pine saplings and scattered hardwood saplings. The area is gently sloped with well drained soils (Charlton-Hollis) capable of producing high quality timber resources. Management will focus on timber resource management and trail maintenance. The primary desired future condition is a stand that is growing a healthy crop of trees in several age and size classes while providing recreational opportunities for the public and wildlife habitat.

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Owner(s) Town of Sudbury, Conservation Commission      Town(s) Sudbury

## STAND DESCRIPTIONS

OBJ	STD NO	TYPE	AC	MSD OR SIZE-CLASS	BA/AC	VOL/AC	SITE INDEX
STEW	8	WH	13.20	10.9" DBH Sawtimber-Pole	160 sqft	7,751 BF & 26.4 Cds	65 (WP)

White pine and mixed hardwoods dominate the overstory of this well stocked sawtimber and pole sized stand. The white pine stems range from poor to good in form and timber quality. The mixed hardwood component includes red oak, black oak, white oak, white ash, black walnut, hickory, and red maple poles and sawtimber sized stems of poor to good form and timber quality. White ash mortality is evident in the western sections of the stand. Forest regeneration is scattered and consists of mixed hardwood and white pine saplings. Buckthorn, bittersweet, honeysuckle, firebush (winged euonymus), multiflora rose, ferns, and poison ivy are scattered throughout the stand and most prevalent in the western sections of this area. A parking lot is located along Old Sudbury Road, and the northern end of the historic Old Berlin Road can be found in this stand as well. The area is gently sloped with well drained soils (Charlton-Hollis) and somewhat poorly drained fine sandy loam soils (Ridgebury). The soils are capable of producing high quality timber resources. Management will focus on trail maintenance and invasive species control. The desired future condition is a stand that is growing high quality timber resources with native vegetation growing in the understory while providing recreational opportunities for the public and wildlife habitat.

STEW	9	OP	0.50	Open Field	NA	NA	63 (WP)
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This area is an open field and yard periodically mowed by an abutting owner. The field provides habitat for wildlife. The area is flat to gently sloped with well drained soils (Merrimac-Hollis) capable of growing high quality timber resources. The area will continue to be mowed by the current landowner. The current landowner is the donor of the Libby Lot (30.86 acres). The property line in this area will be located to prohibit encroachment from any future owners of the abutting property. The desired future condition is a field that provides habitat for wildlife.

STEW	10	WO	12.05	10.9" DBH Sawtimber-Pole	160 sqft	7,751 BF & 26.4 Cds	65 (WP)
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White pine and mixed hardwoods dominate the overstory of this variably stocked sawtimber and pole sized stand. The white pine stems range from poor to good in form and timber quality. The mixed hardwood component includes red oak, black oak, white oak, white ash, black cherry, white birch, hickory, red cedar, and red maple poles and sawtimber sized stems of poor to good form and timber quality. White ash mortality is evident in the stand. Species composition, stand density and size class varies throughout the area. Forest regeneration is scattered and consists of mixed hardwood and white pine saplings. Buckthorn, bittersweet, honeysuckle, arrowwood, multiflora rose, wild grape, and poison ivy are scattered throughout the stand. The area is gently to moderately sloped with well drained soils (Charlton-Hollis) and moderately drained loamy sand soils (Deerfield-Merrimac). Areas of ledge are also present. The soils are capable of producing high quality timber resources. Management will focus on trail maintenance and invasive species control. The desired future condition is a stand that is growing high quality timber resources with native vegetation growing in the understory while providing recreational opportunities for the public and wildlife habitat.

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 STD= stand   AC= acre   MSD= mean stand diameter   MBF= thousand board feet   BA= basal area   VOL= volume

Owner(s) Town of Sudbury, Conservation Commission      Town(s) Sudbury



# STAND DESCRIPTIONS

OBJ	STD NO	TYPE	AC	MSD OR SIZE-CLASS	BA/AC	VOL/AC	SITE INDEX
STEW	11	MH	7.89	7.3" DBH Sapling, Pole, Sawtimber	30 sqft	375 BF & 7.5 Cds	65 (RO)

Mixed hardwoods dominate the overstory of this understocked and unevenaged forest type. The mixed hardwoods include white ash, red maple, sugar maple, aspen, white birch, black birch, black cherry, mixed oak and American elm poles and sawtimber of poor to fair form and timber quality. Scattered red cedar and apple trees are present as well. An apple orchard was once located near the "Tavern of The Damned" along the Old Berlin Road. The understory vegetation is extremely dense and includes buckthorn, multiflora rose, honeysuckle, arrowwood, wild grape, bittersweet, and scattered mixed hardwood saplings. The "Haynes Garrison House" is also located within this area along Water ROW. The area is flat to moderately sloped with well to moderately drained soils (Charlton-Hollis-Deerfield) capable of producing high quality timber resources. Management will focus on cultural resource protection, trail enhancement and invasive species control. The desired future condition is an area where the cultural resources are maintained and protected, recreational opportunities are available to the public, native species are growing without competition from invasive plants, and wildlife habitat is improved.

STEW	12	RM	10.85	Wetland Resource Area	NA	NA	50 (RM)
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This is a wetland resource area which includes a pond, bog, vernal pools, shrub swamp and red maple poles and sawtimber sized stems. Wetland shrubs and plants are the primary source of vegetation growing in the open areas. The area is mostly flat and remains wet throughout most of the year. The soils are poorly drained organic muck (Freetown Muck). Many of the areas are not capable of growing trees due to the high water table. The red maple stands are located north of the pond and near the intersection of Old Sudbury Road and Water ROW. Management will focus on protecting this site as a wetland resource area for wildlife habitat. Installing a wood duck box is recommended in the pond and in the open areas of the western sections of this area where there is open water and emergent vegetation. The desired future condition is an area that will protect water quality and provide habitat for wildlife.

*Future desired condition  
should include reference  
to maintaining  
a better privacy/screening  
+ maybe a recommendation  
for a large  
"no-cut"  
area near  
houses??*

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Owner(s) Town of Sudbury, Conservation Commission      Town(s) Sudbury

**MANAGEMENT PRACTICES**  
*to be done within next 10 years*

OBJ	STD NO	TYPE	SILVICULTURAL PRESCRIPTION	AC	TO BE REMOVED		TIMING
					BA/AC	TOT VOL	

### ***Recreation Management***

Trails on the property are currently being managed by local volunteers. The goal is to provide a safe, user-friendly trail system that encourages the public to enjoy and learn about the natural and cultural resources of the property. Management will focus on assessing the current trails and creating new trails if necessary into areas that are not easily accessible. Trail markers, resting stations, foot bridges, possible bird blinds, and interpretive signs for educational purposes will all be considered as part of the trail system management objectives. Pruning and cutting hazard trees along the trail will be done for safety and aesthetic purposes. Trails will be used for hiking, cross-country skiing and biking. Motor vehicles will be prohibited on the property, except for emergencies. The parking lot areas along Old Sudbury Road and Fieldstone Farm Road will be maintained periodically as needed.

### ***Wildlife Habitat Enhancement***

STEW	3, 12	Wetland	Artificial Nesting Box Wood Ducks	14+/-	NA	NA	2010-2019
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These wetland resource areas provide habitat for **wood ducks**. The open water and emergent vegetation within these areas are important for the development of young wood ducks. The boxes should be set up approximately four feet above open water on cedar, or metal poles to protect the young and eggs from predators. The box should also be set up over water that is 1-4 feet deep. The boxes should be cleaned every year and new bedding placed on the bottom of the box. The Division of Fisheries and Wildlife can provide further information about the box dimensions, installation, and maintenance. The recommendation is to install no more than one (1) box in area #3 and one box in area #12 on an experimental basis.

STEW	1	MD	Vegetation Control Artificial Nest Boxes	4+/-	NA	NA	2006-2015
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Periodic mowing and vegetation control will maintain the open areas of this stand as habitat necessary for many wildlife species presently using the site. The white-tailed deer, turkeys, American kestrel, American woodcock, song birds, and many other native species will use the open areas as a feeding, mating, and nesting sites. Ground nesting songbirds will use areas within this site for nesting in the spring. Mowing should be done after July 31 to avoid damaging any nests in those areas. The apple trees within the meadows provide apples as a food source for wildlife. Occasional pruning of these trees will help in producing a crop of apples. The eastern bluebird will benefit from artificial nest boxes. Bluebird boxes should be set-up approximately 300 feet apart to avoid fighting between territorial males. Artificial nest boxes to encourage other songbird species will also be considered. There are currently boxes in the meadow. The boxes should be assessed for quality and proper location within the meadow.

Timber harvesting practices alone will enhance wildlife habitat. Creating an unevenaged forest structure while maintaining a variety of forest types and vegetation will greatly increase the diversity of wildlife species using this property for food, protection, mating and nesting. For more information on wildlife management please refer to "*Enhancing Wildlife Habitats: A Practical Guide For Forest Landowners*". Please also see the Timber Management recommendations on page 18.

OBJECTIVE CODE: CH61 = Forest Products (for Ch. 61/61A)      STEW= Stewardship Program practices  
STD= stand    Type= Forest type    AC= acre    MBF= thousand board feet    BA= basal area    VOL= volume

Owner(s) Town of Sudbury, Conservation Commission      Town(s) Sudbury



**MANAGEMENT PRACTICES**  
*to be done within next 10 years*

OBJ	STD NO	TYPE	SILVICULTURAL PRESCRIPTION	AC	TO BE REMOVED		TIMING
					BA/AC	TOT VOL	

***Biological Diversity***

STEW	All	All	Promote Biological Diversity Invasive Species Control and Eradication	130+/-	NA	NA	2010-2019
------	-----	-----	--------------------------------------------------------------------------	--------	----	----	-----------

The landowner is interested in promoting biological diversity on the property. Eliminating invasive and non-native trees, plants and shrubs will be done where these species exist and when economically feasible and practical. Buckthorn, firebush (winged euonymus), bittersweet, honeysuckle, multiflora rose, and barberry are currently known to be growing on the property. Natural communities are being affected by their presence in several areas within the forest. Areas in the western sections of Stand #2 and #11 are being affected the most by the invasive species. The Sudbury Weed and Eradication Team (SWEET) will be called upon by the Town to address this concern. Compiling a comprehensive list of the plants and shrubs on the property and defining natural communities would be beneficial to the Town prior to the eradication program. Cutting the stems and applying herbicides will be one method used to eradicate the invasives. Another biodiversity issue is the distribution of forest growth stages. Trying to maintain different forest age and size classes on the property will also be considered by the landowner on this property through periodic timber harvests and wildlife habitat management. Please see the Biological Diversity issues on page #6 for more details.

***Cultural Resource Protection***

The Haynes Garrison House, the Tavern of the Damned, the Old Berlin Road, and the stone walls on the property will be protected. The Sudbury Historical Society and the Conservation Commission will work together to control the vegetation around these valuable historical sites. The structural integrity of the stone foundations is also of concern. Efforts to preserve the structures will be made in the future as necessary. The Town has placed signs at the entrances to the property that prohibit using metal detectors and conducting archaeological digging.

***Forest Stewardship Education***

The Sudbury Conservation Commission and Historical Society will educate the Sudbury residents and visitors of the property through workshops, signs, maps, property brochures and interpretive walks. Educating the public through will assure that those interested in the management of the property have had an opportunity to learn and respond to the practices that have been recommended in this plan.

***Boundary Management***

STEW	All	All	Boundary Maintenance	130+/-	NA	NA	2010-2019
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Property boundary identification will be done by hanging property signs at points along the boundary lines. There are surveys of the property and abutting properties that can be used to locate the boundary lines. Locating the boundary lines will protect the property from abutter encroachment and help the Conservation Commission when conducting management on the property.

OBJECTIVE CODE: CH61 = Forest Products (for Ch. 61/61A)      STEW= Stewardship Program practices  
STD= stand    Type= Forest type    AC= acre    MBF= thousand board feet    BA= basal area    VOL= volume

Owner(s) Town of Sudbury, Conservation Commission      Town(s) Sudbury



**MANAGEMENT PRACTICES**  
*to be done within next 10 years*

OBJ	STD NO	TYPE	SILVICULTURAL PRESCRIPTION	AC	TO BE REMOVED		TIMING
					BA/AC	TOT VOL	

***Timber Management***

STEW	4,5,7	WO	Improvement Thin By Selection Harvest	25+/-	40 sqft	65 MBF & 125 Cords	2010-2019
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*Timber management on the property will be considered by the Conservation Commission during the next ten years of management, although it is not a high priority at this time and may not be conducted. The following recommendations are a guide to managing Stands 4, 5 and 7 if a harvest of forest products is pursued in the future.*

Management will focus on harvesting mixed oak, white pine and mixed hardwood poles and sawtimber of poor to good quality by selection harvesting. Removing individual and small groups of trees will be done to improve the growth and value of the developing high quality white pine and mixed oak poles and developing sawtimber. The harvest will be designed to release advanced regeneration as well as improve growing conditions of trees in the pole (4-11" DBH) and small sawtimber (12-16" DBH) classes. The cutting will assist in the development of wind-firm trees. The percentage of the overstory removal will vary based on the varying tree sizes and stand density that currently exists within the three stands. The target is to harvest approximately 20 to 30% of the overstory. Thinning will also prepare the site for new production in the understory. Utilizing the wood to the lowest possible diameter will be done to maintain good aesthetics. Selecting a harvester with the ability to chip tops will also be considered for aesthetic purposes.

*Yes! We must  
the timber  
harvest into  
managing  
for multiple  
habitat types*

*Could we ~~also~~  
expand to have  
this provides  
biodiversity?*

*early succession  
over*

*woodcock  
grouse*

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Owner(s) Town of Sudbury, Conservation Commission

Town(s) Sudbury



**New England  
Forestry Consultants, Inc.**

Prepared By:  
Gary H. Gouldrup  
Consulting Forester  
5/26/2010

72 Townsend Street  
Pepperell, MA 01463  
(978) 433-8780

*Metes & bounds are approximate  
and based on the Town of Sudbury  
Assessor's Maps, Survey's of Land,  
and GPS Field Work.*

## BOUNDARY MAP

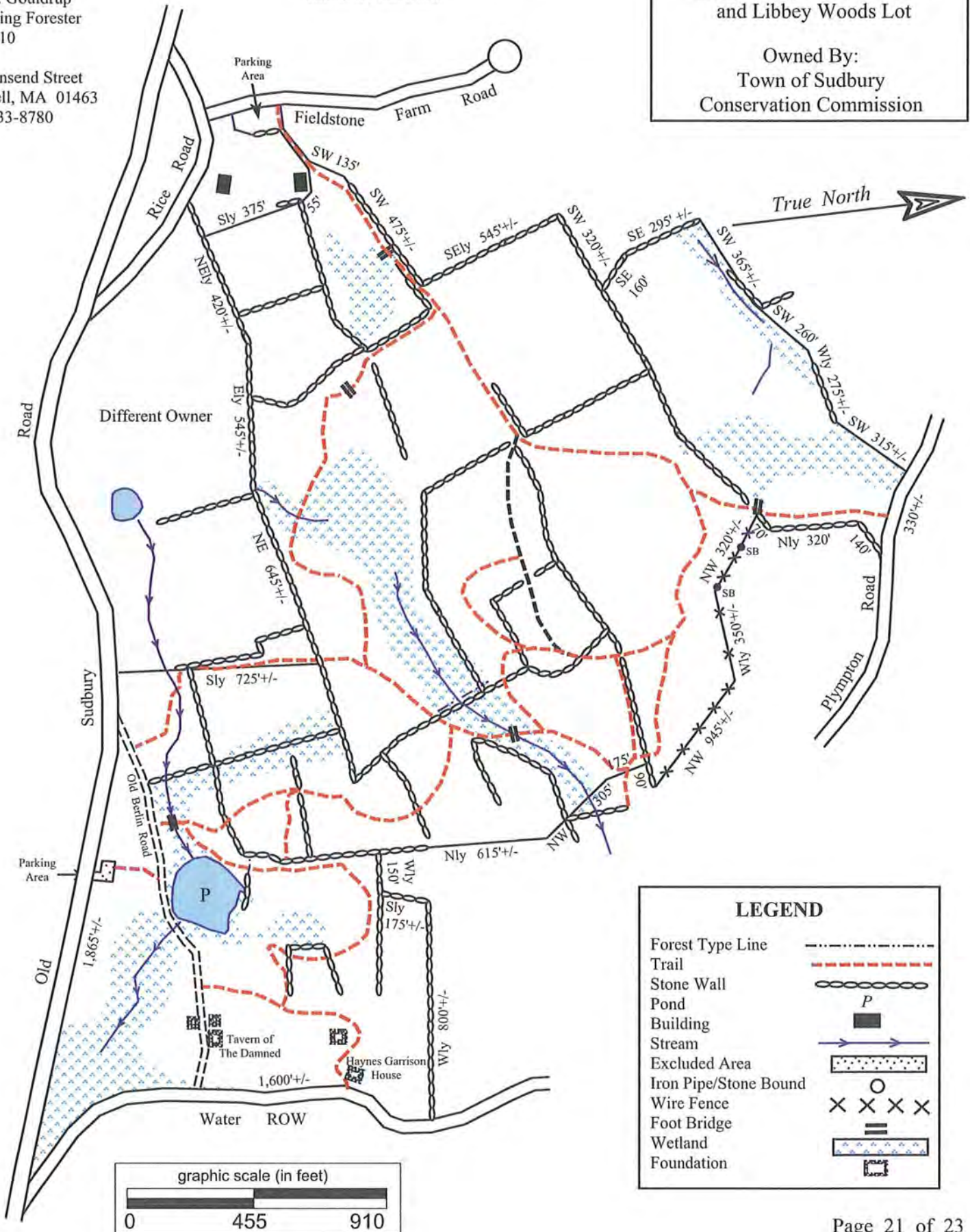
Land in Sudbury, MA  
King Philip, Piper, Dickson  
and Libbey Woods Lot

Owned By:  
Town of Sudbury  
Conservation Commission



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## STAND TYPE MAP

Land in Sudbury, MA  
King Philip, Piper, Dickson  
and Libbey Woods Lot

Owned By:  
Town of Sudbury  
Conservation Commission

True North

