

**Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008**  
**Appendix A:**

/ Site name: Mansfield town line to red mill rd Observ Point #    in river Map#    Date: 5/11/06

**Natural Community:** Shrub-scrub swamp into deep marsh

Canopy	%	Sapling	%	Shrubs	%	Herbaceous	%	Vines	%
Red maple				Red osier dogwood		Purple loosestrife		Grape	
Swamp white oak				Swamp rose		Three-way sedge		Climbing boneset	
Willow				Sweet pepperbush		Arrowhead			
Pine				Buttonbush		Cinnamon fern			
beech				Alder		Royal fern			
				Northern arrowwood		Fanwort			
				High bush blueberry		Water lily			
						Water celery			
						Smartweed			
						Potamogeton			

**Standing snags**

  many    
            
            
            
            
            
            
            
            
          

**Observed Wildlife:**

Muskrat  
Great blue heron  
Red winged  
Blackbird  
Mallard/duck  
Mayfly  
White tail deer  
Yellow warbler  
Boyeria nymphs  
                  

**Track/Scat/Sign/Calls:**

Muskrat feeding station  
Red winged blackbird nest in cattails  
Otter roll area  
Muskrat/Otter den  
maids, maids, maids put on the kettle  
perchickoree  
Star nosed mole hole?  
                                    
                                    
                                  

Animal burrows	abundant	<i>present</i>	absent
Perch over water/visibility	abundant	<i>present</i>	absent
Large woody debris on ground	abundant	<i>present</i>	absent
Rock piles, crevices, hollow logs (dens)	abundant	<i>present</i>	absent
Rocks, logs, hummocks under water	<i>abundant</i>	present	absent
Turtle nesting sites	abundant	present	absent
Vernal Pools	abundant	present	<i>absent</i>
# Snag cavities	<u>  6-12"  </u>	<u>  12-18"  </u>	<u>  &gt;18"  </u>

*Fruit/berry bearing*  
Mast trees  
*Mud flats*  
*Riffle/pool*  
Sandy banks  
*Shrub thickets*  
Sphagnum pools  
*Undercut banks*  
*Wetland/Aquatic food*

Surveyors: J Carlino, J Hendrickson

## Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

2. Site name: Newland st north to red mill Observation Point #      Map#      Date: 9/10/06     

**Natural Community:** White pine oak forest, mixed oak forest, red maple swamp

Canopy	Sapling	Shrubs	%	Herbaceous	%	Vines	%
Eastern red cedar		Red osier dogwood		Purple loosestrife		Climbing boneset	
Red maple		Speckled Alder		Smartweed		Grapes	
Atlantic white cedar		Swamp azalea		Round headed bush clover		Virginia creeper	
Willow		High bush blueberry		Wild celery			
		Sweet fern		Arrowhead			
		Meadowsweet		Yellow hawkweed		Potamogeton	
		Winterberry		Canada St. Johnswort		Fanwort	
				Tussock sedge			
		Japanese knotweed		Common ragwort			
				Deer tongue grass			
				Dewberry,			
				British soldiers			
				Milkweed			

### Observed Wildlife:

elegant tailed slug (packardia elagano)  
hummingbird moth  
fowler toad  
shadow darter  
clearwing meadowhawk  
stinkbug  
chickadee  
shiners  
eastern Elliptio  
monarch

### Observed Wildlife:

Southern hairstreak  
slug  
red backed salamander  
catbird  
tiger beetle  
wasp (cicada killer) caterpillar  
deer  
wooley bear  
macremphytos cricket  
turtle  
great blue heron  
sawfly

### Track/Scat/Sign/Calls:

chewed arrow arum  
1 scute found in sandbar  
yellow caterpillars leave  
white skins (sawfly larvae)  
turtle nest  
midden

Animal burrows	abundant	present	absent
Perch over water/visibility	abundant	present	absent
Large woody debris on ground	abundant	present	absent
Rock piles, crevices, hollow logs (dens)	abundant	present	absent
Rocks, logs, hummocks under water	abundant	present	absent
Turtle nesting sites	abundant	present	absent
Vernal Pools	abundant	present	absent
# Snag cavities	<u>    </u> 6-12"	<u>    </u> 12-18"	<u>    </u> >18"

Fruit/berry bearing  
Mast trees  
Mud flats  
Riffle/pool  
Sandy banks  
Shrub thickets  
Sphagnum pools  
Undercut banks  
Wetland/Aquatic food

Surveyors: Jenn Carlino, Joan Guerrero, Pat MacLeod, Jean Nardoizzi, Jim Hendrickson



## Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

2. Site name: Water Dept @ N newland st Observation Point # 3 map#        Date 8/23/07

**Natural Community:** white pine/oak forest

Canopy	%	Sapling	%	Shrubs	%	Herbaceous	%
Eastern white pine	50%	Eastern white pine	70%	V. palladin	45%	Lycopodium tristachyum	3%
White oak	20%	Beech	25%	V. angustifolium	45%	Spotted winter green	4%
Black oak	10%	Red maple	3%	Highbush blueberry	10%	Lycopodium flabelliforme	4%
Scarlet oak	10%	Black oak	2%			Grass	30%
						Pink lady slipper	4%
						Dillon's tick-trefoil	3%
						Desmodium glabellum	
						Cow wheat	3%
						Eastern star flower	4%
						Indian pipe	4%
						Canada mayflower	4%
						Fern	10%

### Standing snags

a few small ones  
1 large broken tree \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Observed Wildlife:

Spider  
White masked  
Tussock moth  
caterpillar  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Track/Scat/Sign/Calls:

Raccoon and fox scat  
perchikorey bird  
Gray squirrel calls  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Animal burrows

Perch over water/visibility

Large woody debris on ground

Rock piles, crevices, hollow logs (dens)

Rocks, logs, hummocks under water

Turtle nesting sites

Vernal Pools

# Snag cavities

\_\_\_\_\_ 6-12"

abundant

abundant

**abundant**

abundant

abundant

abundant

abundant

\_\_\_\_\_ 12-18"

present

present

present

present

present

**present**

absent

**absent**

**absent**

absent

**absent**

**absent**

**absent**

absent

\_\_\_\_\_ >18"

Fruit/berry bearing

Mast trees

Mud flats

Riffle/pool

Sandy banks

Shrub thickets

Sphagnum pools

Undercut banks

Wetland/Aquatic food

Surveyors: J Carlino, J Hendrickson

## Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

Site name: 2- Newland Street (North) Water Dept Land\_\_ Observation Point # 2 Map#\_\_ Date: 8/9/07\_\_

**Natural Community:** White pine oak

Canopy	%	Sapling	%	Shrubs	%	Herbaceous	%	Vines	%
Eastern white pine	50%	Beech	25%	American hazelnut	45%	Indian pipe	2%	P. ivy	
Big toothed aspen	20%	Eastern white pine	60%	Vaccinium paladin	45%	Cow wheat	10%		
White oak	10%	Red maple	5%	Buckthorn	5%	Eastern star flower	10%		
Northern red oak	10%	Big toothed aspen	10%	European high bush blueberry	5%	Lady slipper			
Black oak	5%					L. tristiachyum	10%		
Mocker nut	5%					L. flabelliforme	10%		
						Spotted wintergreen	2%		
						Fern	45%		
						Haircap moss	1%		
						Canada mayflower	10%		

### Standing snags

20% \_\_\_\_\_

10% on ground \_\_\_\_\_

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Observed Wildlife:

Ants  
Crickets  
Slug  
Flat snail  
Squirrel sign  
eaten bird(feathers)  
chewed mushroom  
Spider  
Daddy long legs  
\_\_\_\_\_  
\_\_\_\_\_

### Track/Scat/sign/ Calls

Chipmunk burrows

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Animal burrows	abundant	present	absent
Perch over water/visibility	abundant	present	absent
Large woody debris on ground	abundant	present	absent
Rock piles, crevices, hollow logs (dens)	abundant	present	absent
Rocks, logs, hummocks under water	abundant	present	absent
Turtle nesting sites	abundant	present	absent
Vernal Pools	abundant	present	absent
# Snag cavities 1-3" _____ 6-12" _____ 12-18" _____ >18" _____			

### Fruit/berry bearing

### Mast trees

Mud flats  
Riffle/pool  
Sandy banks  
Shrub thickets  
Sphagnum pools  
Undercut banks  
Wetland/Aquatic food

Surveyors: \_\_J Carlino, J Hendrickson, J Nardo, J Guerrero, P Macleod\_\_



## Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

3. Site name: Canoe River Greenbelt and Rec Area Observation Point #      Map#      Date: 9/10/06     

**Natural Community:** Cultural Grassland

Shrubs	%	Herbaceous	%	Herbaceous	%	Vines	%
Autumn olive		Smartweed		Yarrow			
		Blue toadflax		Blue curls			
		Mullein		Golden rod			
		Jewelweed		Foxtail grass			
		Reindeer lichen		White aster			
		Purple aster		Cabbage white			
		Silver rod		Pearly everlasting			
		Butter & eggs		Rabbits foot clover			
		Chickory		Little bluestem			
		Red sorrel		Bidens-beggars-ticks			
		Daisy fleabane		Black raspberry			

**Observed Wildlife:**

Clouded sulfur  
Orange sulfur  
Great spangled fritillary  
Pearl crescent  
Lestes  
Cormorants  
Grey hairstreak  
American copper  
Crow  
Golden digger wasp

**Observed Wildlife:**

Lady bug  
Eastern towhee  
Common green darner  
Praying mantis  
Garter snake  
Velvet ant  
Moth  
Monarch  
Smooth tiger beetle (scutellaris)  
Slender spreadwing

Animal burrows	abundant	present	absent	Fruit/berry bearing
Perch over water/visibility	abundant	present	absent	Mast trees
Large woody debris on ground	abundant	present	absent	Mud flats
Rock piles, crevices, hollow logs (dens)	abundant	present	absent	Riffle/pool
Rocks, logs, hummocks under water	abundant	present	absent	Sandy banks
Turtle nesting sites	abundant	present	absent	Shrub thickets
Vernal Pools	abundant	present	absent	Sphagnum pools
# Snag cavities	<u>    </u> 6-12"	<u>    </u> 12-18"	<u>    </u> >18"	Undercut banks
				Wetland/Aquatic food

Surveyors: Open space committee members, Dave Small, Earl Baldwin

## Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

4. Site name: Bertha Smith right side canoe river Observation Point # 1 Map#        Date: 8/2/07

**Natural Community:** White pine/oak forest

Canopy	%	Sapling	%	Shrubs	%	Herbaceous	%
Eastern white pine	50%	Beech	3%	Highbush blueberry	60%	Striped wintergreen	10%
		Eastern white pine	75%	Lowbush blueberry V. augustifolium	20%	Lady slipper	30%
Black oak	20%	Northern red oak	20%	Swamp azalea	20%	Hay scented fern	30%
White oak	10%	Birch (gray)	1%			Grass	1%
Scarlet oak	20%	Black cherry	1%			Red maple	5%
						Clump grasses	5%
						Canada mayflower	5%
						Eastern starflower	5%
						Pinesap	1%
						Lycopodium complanatum	5%
						Indian pipes	1%
						Moss	1%
						Lichen	1%

**Standing snags**

10%

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Observed Wildlife:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Track/Scat/Sign/Calls:**

Cardinal  
canine/raccoon?scat/ squirrel/chipmunk/sign  
mushroom stem, no cap

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Animal burrows

Perch over water/visibility

Large woody debris on ground

Rock piles, crevices, hollow logs (dens)

Rocks, logs, hummocks under water

Turtle nesting sites

Vernal Pools

# Snag cavities

6-12"

**abundant**

abundant

**abundant**

abundant

abundant

abundant

abundant

12-18"

present

present

present

present

present

present

present

>18"

absent

absent

absent

absent

absent

absent

absent

absent

Fruit/berry bearing

Mast trees

Mud flats

Riffle/pool

Sandy banks

Shrub thickets

Sphagnum pools

Undercut banks

Wetland/Aquatic food

Surveyors: Open space committee members



## Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

5. Site name: 5 S of Newland St Shallow Emergent Marsh Map#        Date: 7/20/2006

**Natural Community:** Shallow emergent marsh

Canopy	%	Shrubs	%	Herbaceous	%	Vines	%
Red Maple		Red Osier Dogwood		Joe Pye Weed		Climbing Boneset	
Swamp White Oak		Swamp Rose		Smartweed		Riverbank Grape	
		Button Bush		Wild Celery			
		HighBush Blueberry		Arrow Arrum			
		Northern Arrow Wood		Monkey Flower			
		Elderberry		Pickrel Weed			
				Milk Weed			
				Fanwort			
				Clear Weed			
				Saxifrage			

**Standing snags**

\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Observed Wildlife:**

Freshwater Mussels  
Eastern Elliptio  
Least Clubtail  
Dragon Hunter  
River Jewel Wing  
Monarch Butterfly  
Elegant Spread  
Wing Ebony  
Jewelwing  
\_\_\_\_\_

**Track/Scat/Sign/Calls:**

Lampsilis radiata  
Midden

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Animal burrows	abundant	present	absent
Perch over water/visibility	abundant	present	absent
Large woody debris on ground	abundant	present	absent
Rock piles, crevices, hollow logs (dens)	abundant	present	absent
Rocks, logs, hummocks under water	abundant	present	absent
Turtle nesting sites	abundant	present	absent
Vernal Pools	abundant	present	absent
# Snag cavities	_____6-12"	_____12-18"	_____>18"

Fruit/berry bearing  
Mast trees  
Mud flats  
Riffle/pool  
Sandy banks  
Shrub thickets  
Sphagnum pools  
Undercut banks  
Wetland/Aquatic food





Site name: S Newland St Upland Position Observation Point # A Map# Date: 9/20/2007

Canopy	%	Sapling	%	Shrubs	%	Herbaceous	%
Eastern white pine		Eastern white pine		Highbush blueberry		Hay Scented Fern	
		Northern red oak		European Buckthorn		Common dewberry	
		White oak				Canada Mayflower	
		Black oak				Green Briar	
		Black Cherry				Poison ivy	
						Northern Arrowwood	
						Royal Fern	
						Goldenrod	
						Virginia Creeper	

[illegible]

Animal burrows	abundant	present	absent	Fruit/berry bearing
Perch over water/visibility	abundant	present	absent	Mast trees
Large woody debris on ground	abundant	present	absent	Mud flats
Rock piles, crevices, hollow logs (dens)	abundant	present	absent	Riffle/pool
Rocks, logs, hummocks under water	abundant	present	absent	Sandy banks
Turtle nesting sites	abundant	present	absent	Shrub thickets
Vernal Pools	abundant	present	absent	Sphagnum pools
# Snag cavities	_____6-12"	_____12-18"	_____>18"	Undercut banks
				Wetland/Aquatic food

Surveyors: J Carlino, Open space committee members

# Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

5. Site name: 5 S Newland St Water Dept (Pump House) Upland W/CVP\_ Obsv Point B# Date 9/13/2007

**Natural Community:** White pine forest

Canopy	%	Sapling	%	Shrubs	%	Herbaceous	%	Vines	%
Eastern white pine	50	Tupelo	10	European Buckthorn	10	Eastern Starflower		Green Briar	
White oak	20	White oak	10	Early lowbush blueberry	10	Diphysastrum Digtatum		Poison ivy	
Red maple	10	Northern red oak	10	Late lowbush blueberry	20	Dendrolycopedium Obscurum		Bittersweet	
Black oak	10	Eastern white pine	40	Swamp azalea	10	Canada mayflower			
Scarlet oak	10	Scarlet oak	10	Winterberry	10	Grasses			
		Black oak	10	Japanese barberry	10	Striped wintergreen			
		Red maple	10	Black huckleberry	30	Black cherry			
						Common dewberry			
						Cinnamon fern			
						Wild sarsaparilla			

## Standing snags

Present  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Observed Wildlife:

Wood frog  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Track/Scat/Sign/Calls:

Deer scat  
Gray tree frog call  
Cricket  
Squirrel sign  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Animal burrows	abundant	<b>present</b>	absent
Perch over water/visibility	abundant	present	absent
Large woody debris on ground	<b>abundant</b>	present	absent
Rock piles, crevices, hollow logs (dens)	abundant	present	absent
Rocks, logs, hummocks under water	abundant	present	absent
Turtle nesting sites	abundant	<b>present</b>	absent
Vernal Pools	abundant	present	absent
# Snag cavities	<u>6-12"</u>	<u>12-18"</u>	<u>&gt;18"</u>

**Fruit/berry bearing**  
**Mast trees**  
Mud flats  
Riffle/pool  
Sandy banks  
Shrub thickets  
Sphagnum pools  
Undercut banks  
Wetland/Aquatic food

Surveyors: Jim, Jenn, Pat



## Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

5. Site name: 5 Newland St Water Dept Observation Point # C Map#      Date: 9/30/2007

**Natural Community:** Cultural grassland

Canopy	%	Sapling	%	Herbaceous	Herbaceous
Scarlet oak	20	Black locust		Goldenrods	Little bluestem
Big tooth aspen	15	Red cherry		Frost Grape	Dwarf dandelion
Black locust	15	Big tooth aspen		Haircap moss	Common yellow wood sorrell
Black cherry	10	Scarlet oak		Orange grass	Small pussy toes A. neodioica
Pin cherry	5	Black cherry		Swamp beggar's-ticks	Lance leaved goldenrod (S. graminifolia)
Gray birch	10	Gray birch		Yarrow	Pearly everlasting
Red maple	10	Pitch pine		Spirea	Aster small wWhite
Eastern white pine	10			Black raspberry	Indian tobacco
Common catalpa	5			British soldier	Gray goldenrod (S. memorialis)
Quaking aspen				Rushes	Round headed bush clover
					Rough stemmed goldenrod (S. rugosa)
		<b>Shrubs</b>			Multi flora rosa
		Pin cherry	10		Common mugwort
		Autumn olive	90		Virginia creeper
		A. vinineus			Bittersweet
					Cinquefoil

### Observed Wildlife:

Crickets  
Smooth Brown Snake  
American Toad  
Cardinal  
Pearl Crescent  
Eastern Tailed Blue  
Praying Mantis  
Monarch  
Blue Jay  
Cabbage White  
Golden Digger Wasp  
Nests  
Raccoon Scat  
Locust Borer Beetle

Animal burrows	abundant	present	absent
Perch over water/visibility	abundant	present	absent
Large woody debris on ground	abundant	present	absent
Rock piles, crevices, hollow logs (dens)	abundant	present	absent
Rocks, logs, hummocks under water	abundant	present	absent
Turtle nesting sites	abundant	present	absent
Vernal Pools	abundant	present	absent
# Snag cavities	_____6-12"	_____12-18"	_____>18"

Surveyors: Jim, Pat, Jenn 9/9/2007 Joan Jim Jenn

# Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

6. Site name: Johnson Acres Observation Point # 1 Map#        Date: 3/29/06       

**Natural Community:** Cultural grassland

Canopy	%	Sapling	%	Shrubs	%	Herbaceous	%
Eastern white pine	<1%			Meadowsweet	20%	Bluestem	
Oak	<1%			Bayberry	5%	British soldiers	
						Other grasses	
						Other mosses	
						Dewberry	
						Sheep sorrel	
						Reindeer lichen	

## Standing snags

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\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Observed Wildlife:

Cardinal  
Robin  
Mourning cloak  
Ant hills  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Track/Scat/Sign/Calls:

Chickadee calls  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Animal burrows

Perch over water/visibility

Large woody debris on ground

Rock piles, crevices, hollow logs (dens)

Rocks, logs, hummocks under water

Turtle nesting sites

Vernal Pools

# Snag cavities

       6-12"

abundant

abundant

abundant

abundant

abundant

abundant

abundant

       12-18"

present

**present**

**present**

**present**

present

present

present

       >18"

absent

absent

absent

absent

absent

**absent**

**absent**

Fruit/berry bearing

Mast trees

Mud flats

Riffle/pool

Sandy banks

Shrub thickets

Sphagnum pools

Undercut banks

Wetland/Aquatic food

Surveyors: J Carlino





# Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

6. Site name: Johnson Acres Observation Point #        Map#        Date: 10/24/07

**Natural Community:** Cultural grassland and fields

Confirmed on map: Y / N

Canopy	%	Sapling	%	Shrubs	%	Herbaceous	%	Vines	%
Red cedar		Beech		Highbush blueberry		Grass		Oriental bittersweet	
Eastern white pine		Red maple		Bayberry		Bluestem		Poison ivy	
Gray birch				European buckthorn		Cinquefoil		Greenbrier	
Black cherry				Japanese barberry		Sheep sorrel			
Mockernut/pignut?				Northern arrowwood		Moss			
Pin cherry						Mushrooms			
Shagbark hickory						Pussytoes			
Northern red oak						Goldenrod			
Black oak						Norway maple			
Scarlet oak						Black raspberry			
						Gill on the ground			
						Indian pipe			
						Dendrolycopodium			
						Eastern starflower			

## Standing snags

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Observed Wildlife:

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Track/Scat/Sign/Calls:

Chickadee  
Gray squirrel  
Horse tracks  
Skunk (snout) sign?

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\_\_\_\_\_  
\_\_\_\_\_

Animal burrows

Perch over water/visibility

Large woody debris on ground

Rock piles, crevices, hollow logs (dens)

Rocks, logs, hummocks under water

Turtle nesting sites

Vernal Pools

# Snag cavities

\_\_\_\_ 6-12"

abundant

abundant

abundant

abundant

abundant

abundant

abundant

\_\_\_\_ 12-18"

present

present

present

present

present

present

present

absent

absent

absent

absent

absent

absent

absent

\_\_\_\_ >18"

Fruit/berry bearing

Mast trees

Mud flats

Riffle/pool

Sandy banks

Shrub thickets

Sphagnum pools

Undercut banks

Wetland/Aquatic food

Surveyors: J Hendrickson, J Carlino



# Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

8 Site name: #8 Reinhard Observation Point #        Map#        Date: 7/30/2007       

**Natural Community:** White pine/oak forest

Canopy	%	Sapling	%	Shrubs	%	Herbaceous	%
Eastern white pine	50	White pine	60			Wild Strawberry	10
Red maple	20	White oak	10			Hay Scented Fern	50
Beech	5	Scarlet oak	10			Cinnamon Fern	20
White oak	5	Black oak	10			NY Fern	10
Black oak	5	Beech	10			Royal Fern	10
Scarlet oak	5						
Northern Red oak	5						
Atlantic white cedar	5						

## Standing snags

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Observed Wildlife:

Catbird \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Track/Scat/Sign/Calls:

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Animal burrows	abundant	present	absent
Perch over water/visibility	abundant	present	absent
Large woody debris on ground	abundant	present	absent
Rock piles, crevices, hollow logs (dens)	abundant	present	absent
Rocks, logs, hummocks under water	abundant	present	absent
Turtle nesting sites	abundant	present	absent
Vernal Pools	abundant	present	absent
# Snag cavities	<u>      </u> 6-12"	<u>      </u> 12-18"	<u>      </u> >18"

Fruit/berry bearing  
Mast trees  
Mud flats  
Riffle/pool  
Sandy banks  
Shrub thickets  
Sphagnum pools  
Undercut banks  
Wetland/Aquatic food

Surveyors: Joan, Jim

# Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

9. Site name: Canoe River-North of Plain St Observation Point #      Map#      Date 4/29/2006

## Natural Community:

All Species	All Species	One water sample	Plants
Tufted titmouse	Rough winged swallow	Isopods	Red osier dogwood
Canada geese	Painted turtle	Amphipods	Muskrat midden
Great blue heron	Brown headed cowbird	Caddisflies (larvae)	
Wood duck	Barn swallow	Mayfly adult	
Mallard	Chimney swift	Leech	
Snowy egret		Chironomid midge larvae	
Red tailed hawk		Damselfly nymph	
Tree swallow		Water strider	
Red winged blackbird			
Cooper's hawk			
Falcon			
Yellow warbler			
Mourning dove			
Black capped chickadee			
Song sparrow (call)			

Animal burrows	abundant	present	absent	<b>Fruit/berry bearing</b> Mast trees Mud flats Riffle/pool Sandy banks <b>Shrub thickets</b> Sphagnum pools Undercut banks <b>Wetland/Aquatic food</b>
Perch over water/visibility	abundant	<b>present</b>	absent	
Large woody debris on ground	abundant	present	absent	
Rock piles, crevices, hollow logs (dens)	abundant	present	absent	
Rocks, logs, hummocks under water	abundant	present	absent	
Turtle nesting sites	abundant	present	absent	
Vernal Pools	abundant	present	absent	
# Snag cavities	<u>  2  </u> 6-12"	<u>      </u> 12-18"	<u>      </u> >18"	

Animal burrows	abundant	present	absent	<b>Fruit/berry bearing</b> Mast trees Mud flats Riffle/pool Sandy banks <b>Shrub thickets</b> Sphagnum pools Undercut banks <b>Wetland/Aquatic food</b>
Perch over water/visibility	abundant	<b>present</b>	absent	
Large woody debris on ground	abundant	present	absent	
Rock piles, crevices, hollow logs (dens)	abundant	present	absent	
Rocks, logs, hummocks under water	abundant	present	absent	
Turtle nesting sites	abundant	present	absent	
Vernal Pools	abundant	present	absent	
# Snag cavities	<u>  2  </u> 6-12"	<u>      </u> 12-18"	<u>      </u> >18"	

Surveyors: Ken Sjkora, J. Carlino, J. Hendricksen, J. Guerrero, P. MacLeod



# Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

9. Site name: Canoe River-Plain St DPW Observation Point #        Map#        Date:       

**Natural Community:** Deep emergent marsh/shrub-scrub

Canopy	%	Sapling	%	Shrubs	%	Herbaceous	%	Vines	%
Atlantic white cedar		Red osier dogwood		Swamp rose		Purple loosestrife		Other aquatic vegetation	
Red maple		Buttonbush				Cattail		Climbing boneset?	
								Water Celery	
								Lily Pad	
								Smartweed	

## Standing snags

Yes – too far to get out of canoe to measure

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\_\_\_\_\_  
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\_\_\_\_\_  
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\_\_\_\_\_  
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## Observed Wildlife:

Red wing blackbird  
Geese  
Ducks  
2 dead Red fin pickerel  
2 Painted turtle  
Mourning cloak  
Red tail hawk  
Caddisflies  
Isopods \_\_\_\_\_

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\_\_\_\_\_  
\_\_\_\_\_

## Track/Scat/Sign/Calls:

Muskrat mound  
Geese scat  
Maids, Maids Maids, put on the kettle

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\_\_\_\_\_  
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Animal burrows

**Perch over water/visibility**

Large woody debris on ground

Rock piles, crevices, hollow logs (dens)

**Rocks, logs, hummocks under water**

Turtle nesting sites

Vernal Pools

# Snag cavities

\_\_\_\_ 6-12"

abundant

abundant

abundant

abundant

abundant

abundant

abundant

\_\_\_\_ 12-18"

present

present

present

present

present

present

present

absent

absent

absent

absent

absent

absent

absent

\_\_\_\_ >18"

Fruit/berry

bearing

Mast trees

Mud flats

Riffle/pool

Sandy banks

**Shrub thickets**

Sphagnum pools

**Undercut banks**

**Wetland/Aquatic**

Surveyors: Jim H, Jenn C







# Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

//. Site name: 11-Lincoln Woods \_\_\_\_\_ Observation Point # \_\_\_\_\_ Map# \_\_\_\_\_ Date: \_05/20/06\_

## Natural Community:

Canopy	%	Sapling	%	Shrubs	%	Herbaceous	%	Vines	%

## Standing snags

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
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## Observed Wildlife:

Great Blue Herons (2)  
Common yellowthroat  
Blue jay  
Pine warbler  
Brown creeper  
Yellow warbler  
Canada goose  
Black capped chickadee  
American goldfinch  
Warbling vireo  
White breasted nuthatch  
Chipping sparrow

## Track/Scat/Sign/Calls:

European starling  
Ruby throated humming bird  
Gray catbird  
Baltimore oriole  
Robin  
House wren  
Great crested flycatcher  
Ovenbird

Animal burrows

Perch over water/visibility

Large woody debris on ground

Rock piles, crevices, hollow logs (dens)

Rocks, logs, hummocks under water

Turtle nesting sites

Vernal Pools

# Snag cavities

\_\_\_\_\_6-12"

abundant

abundant

abundant

abundant

abundant

abundant

abundant

\_\_\_\_\_12-18"

present

present

present

present

present

present

present

absent

absent

absent

absent

absent

absent

absent

\_\_\_\_\_>18"

Fruit/berry bearing

Mast trees

Mud flats

Riffle/pool

Sandy banks

Shrub thickets

Sphagnum pools

Undercut banks

Wetland/Aquatic food

Surveyors: \_\_\_\_\_ J. Kricher, K. Sejkora

# Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

// Site name: 11- Lincoln Woods Observation Point #        Map#        Date: 8-15-07

**Natural Community:** Cultural grassland (TBA A/V)

Canopy	%	Sapling	%	Shrubs	%	Herbaceous	%	Herbaceous	%
				Sweet Fern		Buttonweed		Black raspberry	
				Scrub Oak		Partridge Pea		Blue Stem	
						Orange grass			
						Nodding smartweed			
						Blue curls			
						Horseweed			
						Field Peppergrass			
						Round headed bush clover			
						Carpetweed			
						Spotted knapweed			
						Goldenrod			
						Blue toad flax			
						Daisy fleabane			
						Rabbit's foot clover			
						Plantain			

## Standing snags

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\_\_\_\_\_

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\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Observed Wildlife:

Band winged meadowhawk

American toad

Wasps

Bees

Grasshoppers

Butterfly \_\_\_\_\_

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\_\_\_\_\_

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## Track/Scat/Sign/Calls:

\_\_ Raccoon scat

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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Animal burrows

abundant

present

absent

Perch over water/visibility

abundant

present

absent

Large woody debris on ground

abundant

present

absent

Rock piles, crevices, hollow logs (dens)

abundant

present

absent

Rocks, logs, hummocks under water

abundant

present

absent

Turtle nesting sites

abundant

present

absent

Vernal Pools

abundant

present

absent

# Snag cavities

\_\_\_\_ 6-12"

\_\_\_\_ 12-18"

\_\_\_\_ >18"

## Fruit/berry bearing

Mast trees

Mud flats

Riffle/pool

Sandy banks

Shrub thickets

Sphagnum pools

Undercut banks

Wetland/Aquatic food



## Wildlife Habitat Evaluation of the Canoe River in Norton MA 2006-2008

//. Site name: \_11-Lincoln Woods, hill below gravel pit & trail to Sawyers house Date: 9/25/07

### Natural Community: Mixed oak

Canopy	%	Sapling	%	Shrubs	%	Herbaceous	%
Scarlet Oak	10	White oak	60	Dwarf Huckleberry (G. Dumosa)	50	Pokeweed	
White Oak	10	Red Maple	10	Early Lowbush blueberry (C. vacillans)		Indian pipes	5
Northern red oak	40	Northern red oak	10	Black cherry		(trail) grasses	
Black Oak	40	Scarlet	10				
		White Oak	10				

#### Standing snags

\_lots of recent  
dead oak

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#### Observed Wildlife:

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#### Track/Scat/Sign/Calls:

Deer scat  
Gray tree frog

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Animal burrows

abundant

present

absent

Perch over water/visibility

abundant

present

absent

Large woody debris on ground

abundant

present

absent

Rock piles, crevices, hollow logs (dens)

abundant

present

absent

Rocks, logs, hummocks under water

abundant

present

absent

Turtle nesting sites

abundant

present

absent

Vernal Pools

abundant

present

absent

# Snag cavities

\_\_\_\_6-12"

\_\_\_\_12-18"

\_\_\_\_>18"

Fruit/berry bearing

Mast trees

Mud flats

Rifle/pool

Sandy banks

Shrub thickets

Sphagnum pools

Undercut banks

Wetland/Aquatic food

Surveyors: \_\_\_\_\_Jenn Carlino, Jim Hendrickson\_\_\_\_\_