





This doesn't include the countless numbers of insects!

Fields and Shrublands in the NH Landscape

60 wildlife species *require* fields, old fields, or young forest as their *primary* habitat type



New England cottontail



American woodcock



savannah sparrow



meadow jumping mouse



brown thrasher



eastern towhee

Populations of many of these species are declining as farmland reverts to forest and as forests become more mature

1) Size





small & blocky

large and open

A Checklist of Factors that determine what wildlife will use "open habitats":

- 1) Size
- 2) Plant Structure



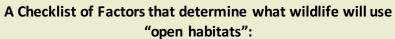
tall & dense



short (less than ~12")



mixed height & density



- 1) Size
- 2) Plant Structure
- 3) Plant Species



grasses & wildflowers



mostly grass



mostly shrubs or small trees

- 1) Size
- 2) Plant Structure
- 3) Plant Species
- 4) Water



- 1) Size
- 2) Plant Structure
- 3) Plant Species
- 4) Water
- 5) Location



in larger opening, connected to the edge



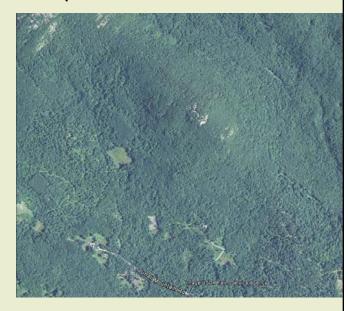
isolated in a larger opening



along the edge

A Checklist of Factors that determine what wildlife will use "open habitats":

- 1) Size
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- 3) Plant Species
- 4) Water
- 5) Location
- 6) Landscape



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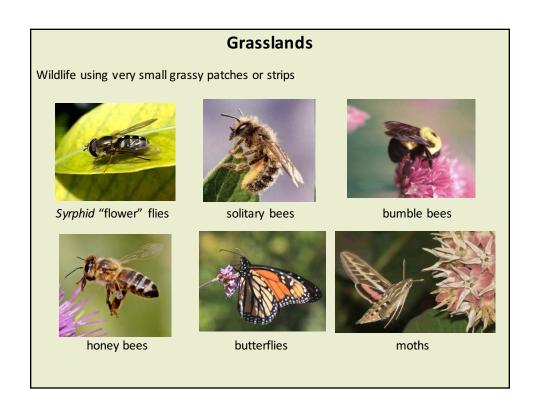


Managers can control most of these factors that determine what wildlife species will be attracted to open habitats!

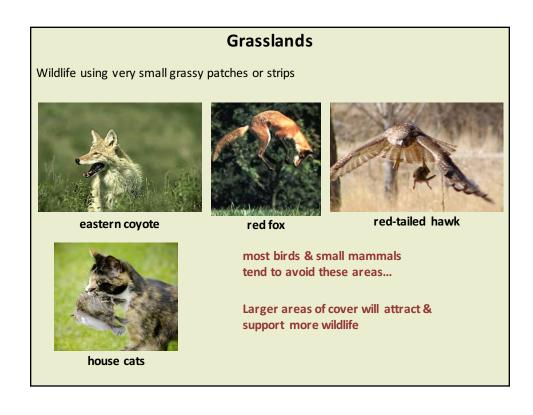
- 1) Size
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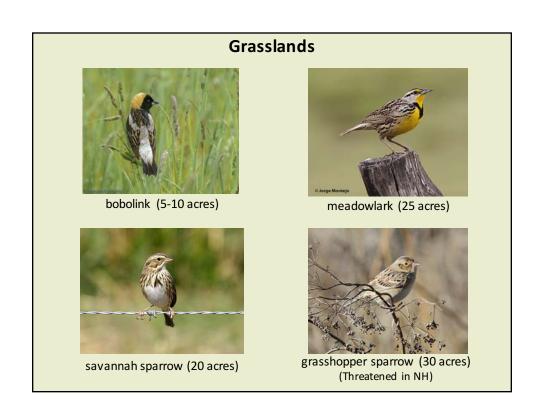


Let's look at specific open habitats and see what wildlife species can be expected to use those areas







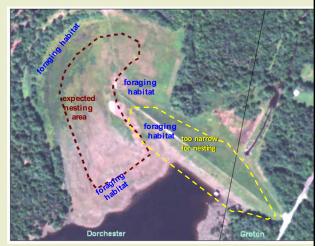


These grassland birds tend to:

nest toward the center of square or round fields

forage on field edges but avoid them for nesting

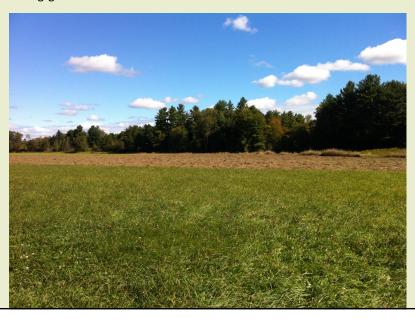
avoid nesting in narrow fields (too much edge)



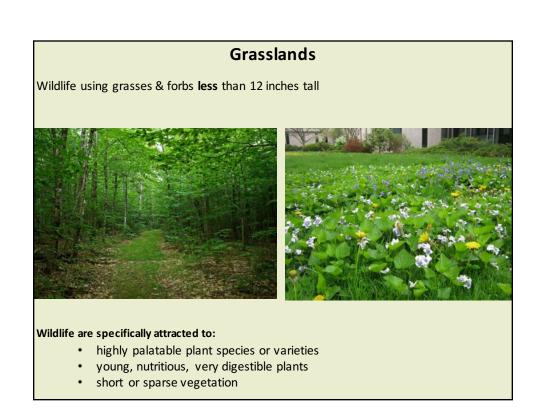
If your property includes large fields you may have opportunities to benefit grassland bird species

Grasslands

Wildlife using grasses & forbs less than 12 inches tall



Grasslands Wildlife using grasses & forbs less than 12 inches tall



Wildlife using grasses & forbs less than 12 inches tall



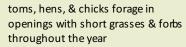


Grasslands

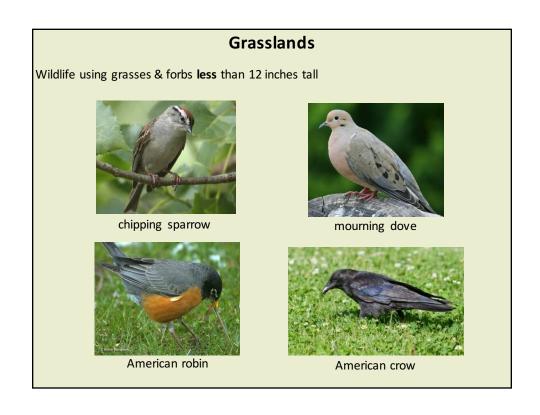
Wildlife using grasses & forbs less than 12 inches tall

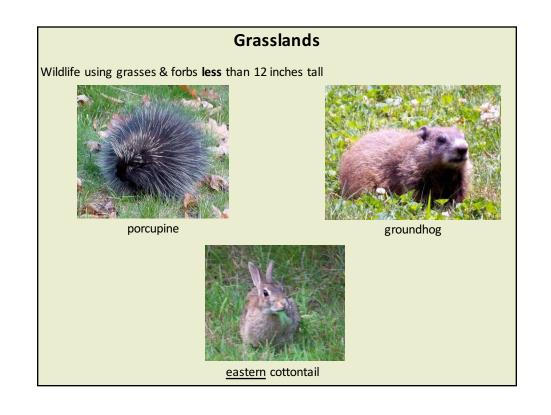


Male turkeys prefer to display in short grass openings in the spring...









Wildlife using grasses & forbs less than 12 inches tall



mallards

If these fields contain any ponded water they can serve as important resting sites for migrating waterfowl & shorebirds

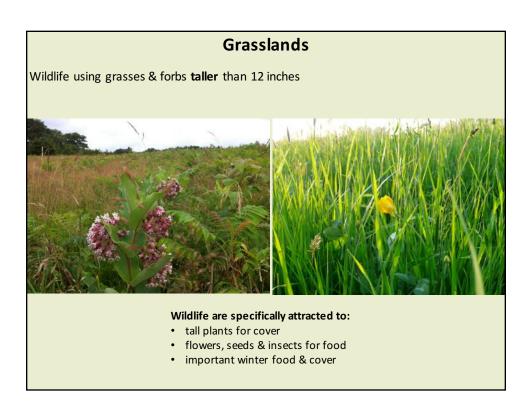


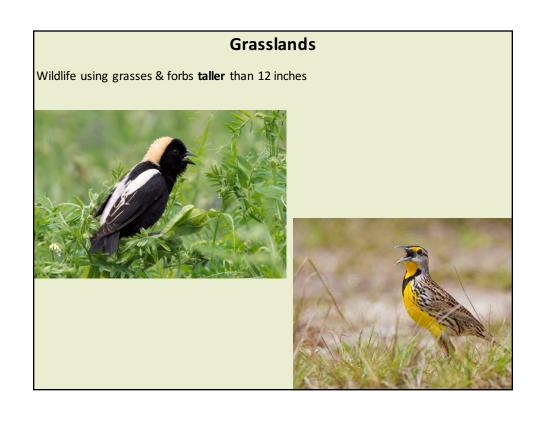
Grasslands

Wildlife using grasses & forbs taller than 12 inches

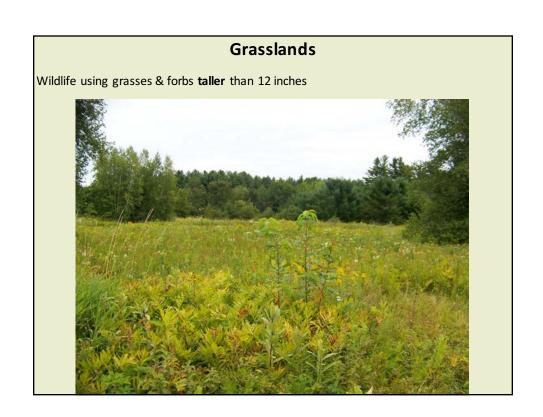








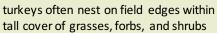




Wildlife using grasses & forbs taller than 12 inches



white-tailed deer fawns regularly hide in the cover of tall grasses and wildflowers





Blanding's turtles will use dense, tall grasses & wildflowers as cover from summer heat (Blanding's turtles are Endangered in NH)

Grasslands

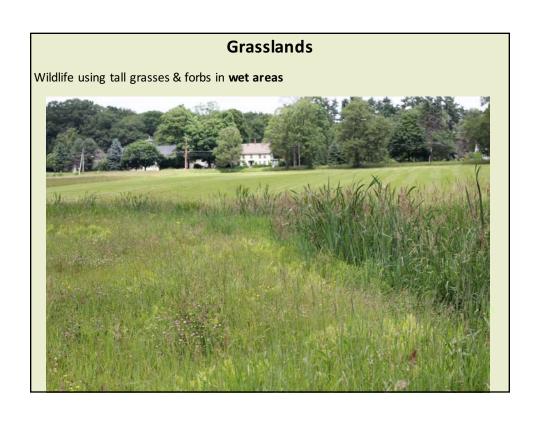
Wildlife using grasses & forbs taller than 12 inches

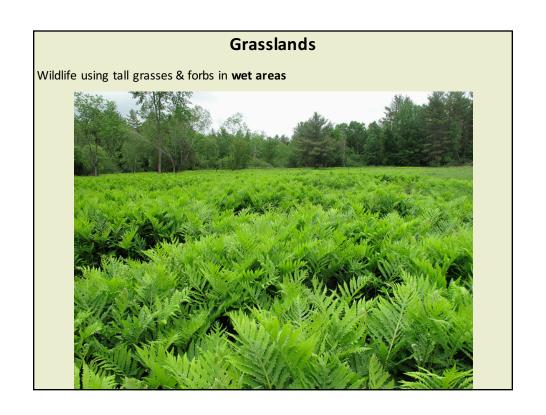


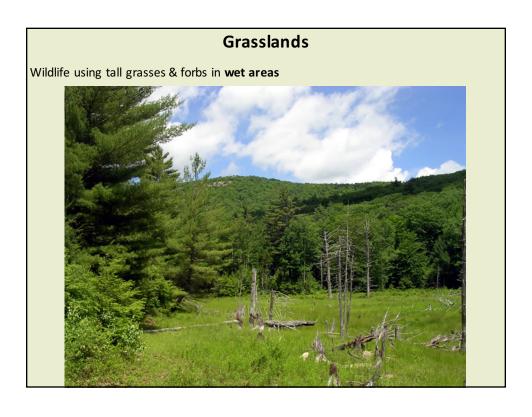
smooth green snake (species of special concern)

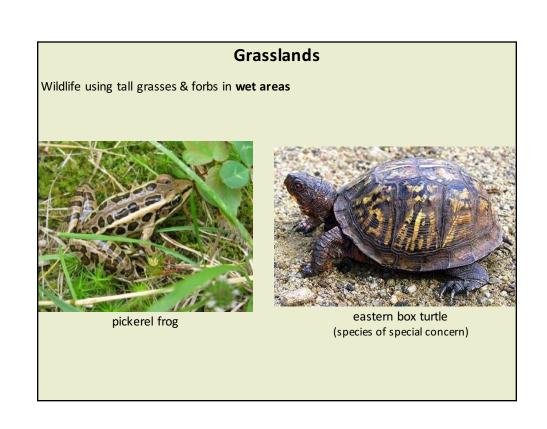


northern black racer (Threatened in NH)









Wildlife using tall grasses & forbs in wet areas





American bittern



Mowing Timing & Frequency



Very frequent mowing (once/month)

- primarily clover, chicory, alfalfa food plots
- keeps forages vigorous, nutritious, attractive
- discourages grasses & "weeds" (like your lawn)
- great bugging for turkeys, grouse

Frequent mowing (1-3 times/year)

- classic "hayfield"
- cover & forage (deer, turkey, bears)
- bird nesting & fawning cover

Ideally mow after August 1st



Mowing Timing & Frequency



Infrequent mowing (once/2-3 years)

- greatest diversity of non-woody plants
- great cover for fawns, turkeys
- great foraging for turkey broods (and grouse along field edges)
- blueberries (dry/wet sites), cranberries (wet sites) provide additional forage

Lots of pollinating insects, small mammals, snakes

Great low-maintenance way to manage small fields to benefit many wildlife species!

Equipment

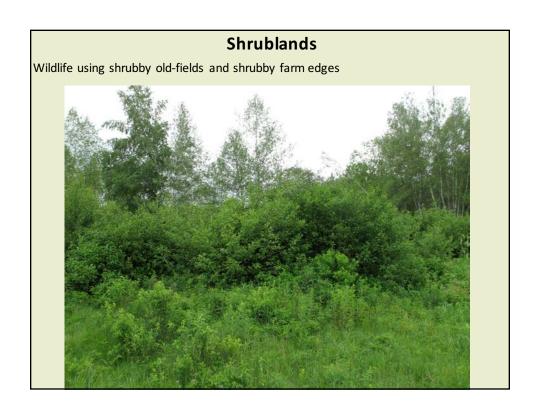


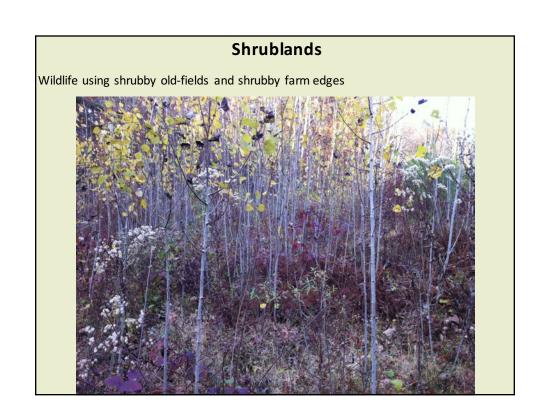
Often best to mow larger fields in blocks to always maintain some cover

Fields 5 acres or larger may support grassland birds and warrant regular maintenance to maintain grassy conditions









Shrublands

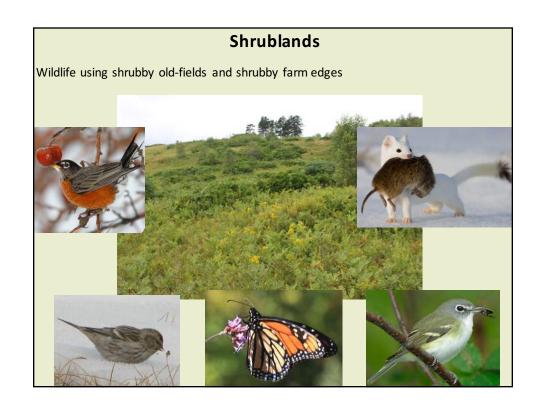
Wildlife using shrubby old-fields and shrubby farm edges

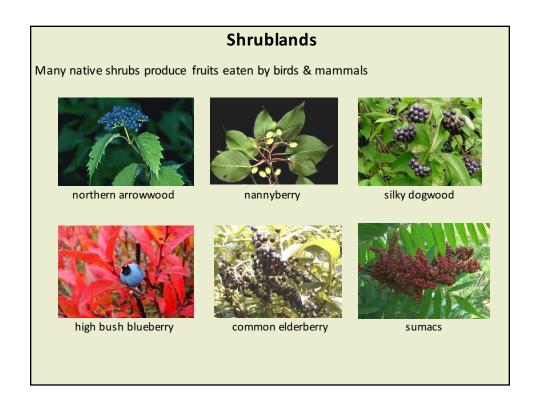


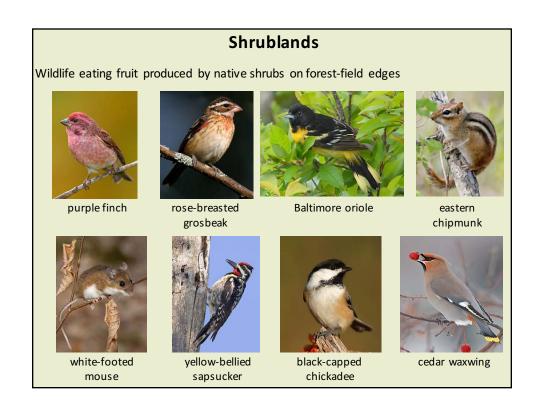
This abrupt transition from field to forest is called a "hard edge" and it provides limited habitat opportunities to wildlife



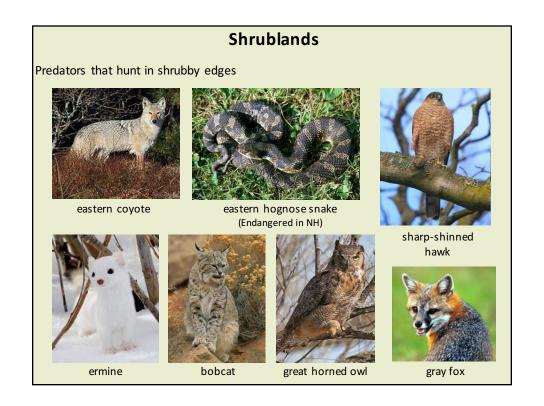
This "soft edge" is much better habitat – areas like this usually support the greatest number of wildlife species on a property

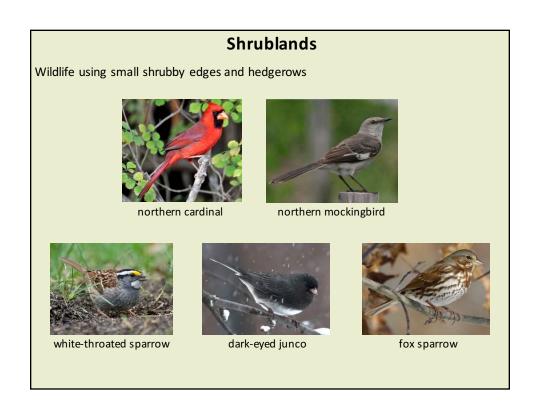


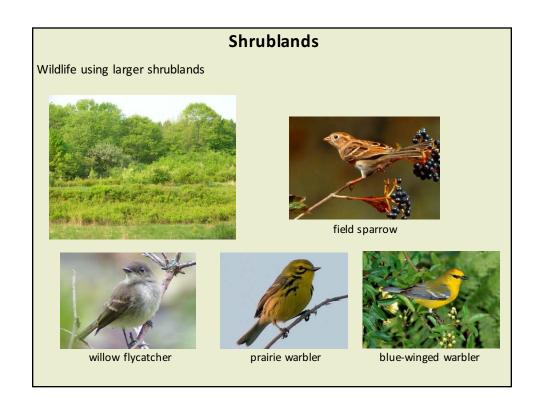


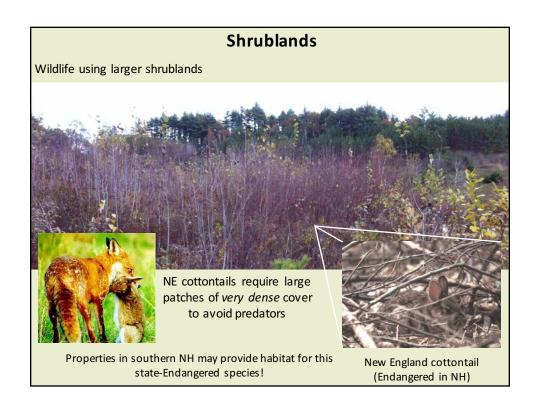


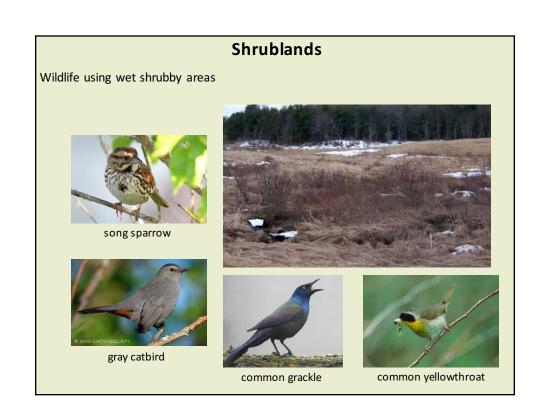












Mowing Timing & Frequency

Very Infrequent mowing (once/4-10 years)



>3 yrs fields get shrubby fruiting shrubs & small trees diversity of cover & food:

- bears
- deer & moose
- turkeys & grouse
- woodcock

Very ephemeral (grows up quickly), very uncommon habitat in NH!



Brontosaurus or similar forestry mower used to mow large shrubs and trees less than 4" in diameter

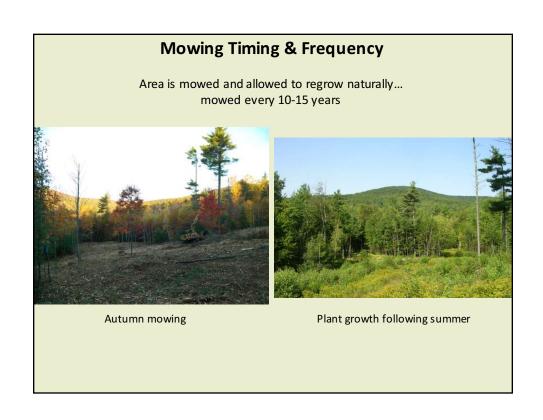


Can mow selectively around fruiting trees and shrubs



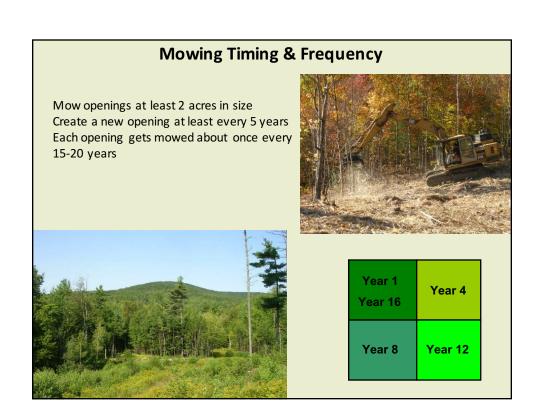
Grinds woody material into fibrous strips that stay on the ground











Financial Help for Landowners

Natural Resources Conservation Service

Conservation Stewardship Program, Environmental Quality Incentives Program, Working Lands for Wildlife

• Private Landowners – Individuals and Organizations

NH Fish and Game Small Grants Program

- Private Landowners
- Towns

US Fish and Wildlife Service Partners Program

- Private Landowners
- Town Lands







