Terrestrial and Wetland Team Meeting Meeting Summary 22 April 2014

- Recommendation: use 13 terrestrial species with habitat models as representative species
- Issue for Discussion: limited dispersal species not well represented
- Recommendation: include hibernacula, cliffs, cobblestone, and pine barren habitats in landscape design (also peatlands?)

Formations/Macrogroups and Species

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Ecosystem Formation – Macrogroup	Acres in Northeast	Acres in CT River	Representative Species Being Modeled and Habitat	
	U.S.*	Watershed	Requirements ⁺	
Northeastern Upland Forest – Northern	48,500,711	4,336,888	American Woodcock – young forest	
Hardwood and Conifer			Black Bear – large area requirements	
Northeastern Upland Forest – Central Oak-	31,275,710	363,308	Blackburnian Warbler - mixed forest	
Pine			Cerulean Warbler – mature deciduous	
			Eastern Box Turtle – moist forest	
			Louisiana Waterthrush – riparian forest	
			Ovenbird – mature forest	
			Prairie Warbler – young forest & pine barrens	
			Red-shouldered Hawk	
			Ruffed Grouse – young forest	
			Wood Thrush – mature deciduous	
Agriculture (pastures, grasslands, and row	25,165,562	463,736	Eastern Meadowlark – pasture & grassland	
crops combined)				
Boreal Upland Forest	7,884,812	417,501	Bicknell's Thrush – high elevation forest	
			Blackpoll Warbler – spruce-fir forest	
			Moose – mixed forest and large areas	
			Snowshoe Hare – young spruce-fir	
Northeastern Wetland Forest	6,977,821	213,622	Northern Waterthrush – forested wetlands	
			Wood Duck – swamps & floodplain forests	
			Wood Turtle – forested streams & uplands	
Freshwater Marsh	1,774,535	77,517	American Black Duck (breeding)	
			Marsh Wren – fresh and salt marshes	
			Virginia Rail – fresh and salt marshes	
Grassland and Shrubland – Glades and	2,199,639	54,759		
Outcrops				
Cliff and Rock	668,071	40,701		
Peatland	526,795	7,738	(no species selected primarily for peatland, but used by species	
			such as moose and black duck)	
Estuarine Intertidal – Emergent (marsh)	709,735	2,426	American Black Duck (nonbreeding)	
			Diamond-backed Terrapin – marshes & estuaries	
			Saltmarsh Sparrow - saltmarshes	
			Snowy Egret – marshes & estuaries	
Alpine	8,166	1,385		
Coastal Scrub-Herb – Dune and Beach			American Oystercatcher – beaches & shellfish beds	
	46,360	12	Sanderling – beaches & shorelines	
Developed	20,170,987	783,320		
Water	8,652,542	359,513		

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- Issue for Discussion: balancing focus on CT River Watershed vs transferable products? (e.g., saltmarsh and pine barrens)
- Issue for Discussion: incorporate rare species/habitats "with" or "after" representative species in landscape design process?
- Issue for Discussion: for course filter landscape design (using IEI) need to determine...
 - weights/ranks of habitat types
 - what % of landscape to target
 - objectives for ecosystems (e.g., maintain x% of IEI)

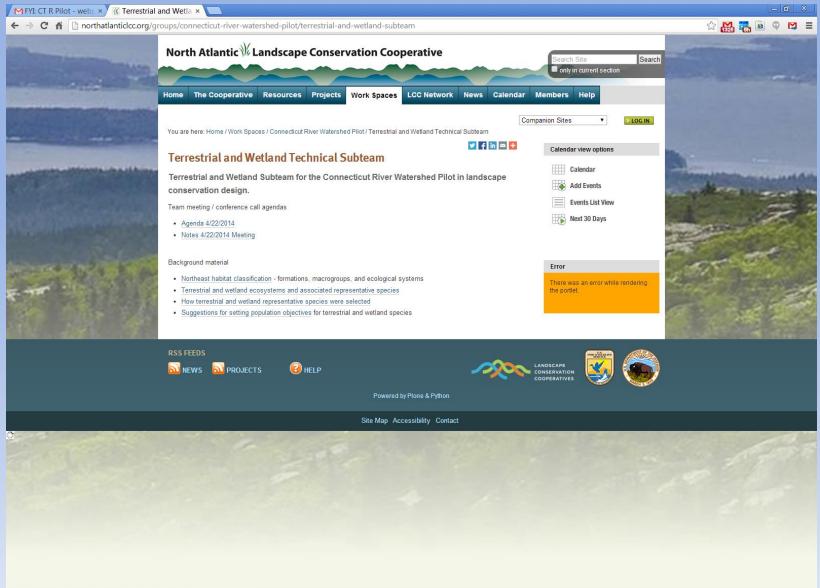
Species Population Objectives

Species	Regional or State	Regional Population	Suggested objective
	Objective	Trend	(by 2030) for the Connecticut River Watershed
American Woodcock	Increase 50%	Significant Decline	Increase X%
Blackburnian Warbler	Maintain	Stable	Maintain
Blackpoll Warbler	No objective	Stable	Maintain
Eastern Meadowlark	Increase 50%	Significant Decline	Increase X%
Louisiana Waterthrush	No objective	Stable	Maintain
Marsh Wren	No objective	Stable	Maintain
Northern Waterthrush	No objective	Slight Decline	Maintain
Ruffed Grouse	Maintain	Stable or Slight Decline	Maintain
Wood Duck	Maintain	Stable or Increasing	Maintain
Wood Thrush	Increase 50%	Significant Decline	Increase X%
Black Bear	Maintain	??	Maintain
Moose	Maintain	??	Maintain
Wood Turtle	No Objective	??	Maintain

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- Issue for Discussion: population objectives for large increases might not be possible because of tradeoffs among species/habitats and other landscapescale stressors
- Issue for Discussion: different objectives for different parts of the watershed?
- Issue for Discussion: not clear how population objectives relate to place-based landscape design and how they will be used in the process
 - But have not talked yet about population -> habitat translation

Terrestrial/Wetland Team Webpage: http://northatlanticlcc.org/groups/connecticut-river-watershed-pilot/ terrestrial-and-wetland-subteam



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