

Table X. Connecticut River Landscape Conservation Design project; statistics on the extent (ha) of ecological macrogroups in the Northeast region (NE) and Connecticut River watershed (CTR); the percent of each macrogroup contained within the watershed (Importance); the percent of each macrogroup protected from development within the Northeast and the watershed; and the percent reduction in ecological integrity of each macrogroup within the Northeast and the watershed based on the Total and Average Ecological Impact metric (see documentation for details). Weight represents a multiplier on the likelihood of the particular macrogroup/system being included in the top x% of the landscape and should range between 1 (default) and 5.

Formation	Macro-group	System	Extent (ha)		Ct River Importance (%)	Protected Status (%)		Impact (%)				Weight	
			NE	CTR		NE	CTR	Total		Average			
								NE	CTR	NE	CTR		
Alpine	Alpine	Acadian-Appalachian Alpine Tundra	3,305	553	16.73	99.4	99.61						
Cliff & Talus	Cliff & Talus	Laurentian-Acadian Acidic Cliff and Talus	47,740	5,421	11.36	64.52	55.53						
		Laurentian-Acadian Calcareous Cliff and Talus	20,340	4,066	19.99	53.86	32.36						
		North-Central Appalachian Acidic Cliff and Talus	137,021	3,661	2.67	55.13	27.62						
		North-Central Appalachian Circumneutral Cliff and Talus	22,638	3,299	14.57	38.64	26.2						
		total	227,740	16,448	7.22	55.34	37.71						

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Grassland & Shrubland	Glade & barren & savanna	Central Appalachian Alkaline Glade and	163,570	680	0.42	13.76	16.37					
	Outcrop & Summit Scrub	Laurentian-Acadian Calcareous Rocky	20,473	5,566	27.19	55.41	31.23					
		Northern Appalachian- Acadian Rocky Heath Outcrop	77,089	15,589	20.22	58.47	57.74					
		total	97,562	21,155	21.68	57.83	50.76					
Ruderal Shrubland & Grassland	NLCD 52/71: shrublands/ grasslands	611,249	341	0.06	5.36	15.2						

Coastal Grassland & Shrubland	Coastal Grassland & Shrubland	North Atlantic Coastal Plain Heathland and Grassland	13,824	16	0.12	40.14	45.2					
		Northern Atlantic Coastal Plain Dune and Swale/Sandy Beach	18,761	5	0.03	61.22	58.18					
		total	32,586	21	0.06	52.28	48.28					

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Boreal Upland Forest	Boreal Upland Forest	Acadian-Appalachian Montane Spr-Fir-Hwd Forest	429,176	72,431	16.88	69.83	89.5					
		Acadian Low Elevation Spruce-Fir-Hardwood Forest	2,159,331	79,513	3.68	27.76	33.35					
		Acadian Sub-boreal Spruce Flat	576,502	17,012	2.95	30.48	41.5					
		total	3,165,009	168,956	5.34	33.96	58.24					

Northeastern Upland Forest	Northern Hardwood & Conifer	Appalachian (Hemlock)- Northern Hardwood Forest: drier	472,199	1,661	0.35	40.3	26.9					
		Appalachian (Hemlock)- Northern Hardwood Forest: moist-cool	970,665	71,348	7.35	26.67	25.94					
		Appalachian (Hemlock)- Northern Hardwood Forest: typic	6,559,824	514,652	7.85	18.97	25.06					
		Laurentian-Acadian Northern Hardwood Forest: high conifer	815,210	82,607	10.13	34.29	31.81					

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		Laurentian-Acadian Northern Hardwood Forest: typic	4,044,436	567,035	14.02	39.95	41.58					
		Laurentian-Acadian Northern Hardwoods Forest: moist-cool	100,280	27,294	27.22	54.33	39.5					
		Laurentian-Acadian Pine- Hemlock-Hardwood Forest: moist-cool	72,951	36,251	49.69	22.16	20.27					
		Laurentian-Acadian Pine- Hemlock-Hardwood Forest: typic	2,274,677	355,068	15.61	15.56	14.72					
		Laurentian-Acadian Red Oak-Northern Hardwood Forest	457,995	88,697	19.37	20.64	14.84					
		Northeastern Coastal and Interior Pine-Oak Forest	576,883	10,487	1.82	17.31	23.83					
		total	16,345,122	1,755,098	10.74	25.74	28.26					

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	Central Oak-Pine	Central Appalachian Dry Oak-Pine Forest	1,528,993	16,620	1.09	35.94	32.98					
		Central Appalachian Pine-Oak Rocky Woodland	225,890	5,581	2.47	39.3	30.07					
		North Atlantic Coastal Plain Hardwood Forest	857,093	11,853	1.38	20.99	29.44					
		North Atlantic Coastal Plain Maritime Forest	55,146	36	0.07	26.36	32.58					
		Northeastern Interior Dry-Mesic Oak Forest: moist-cool	419,782	10,439	2.49	23.61	23.58					
		Northeastern Interior Dry-Mesic Oak Forest: typic	6,159,555	101,833	1.65	20.74	25.01					
		Northeastern Interior Pine Barrens	16,314	644	3.95	29.55	48.4					
		total	9,262,773	147,006	1.59	23.9	26.46					

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Northeastern Wetland Forest	Central Hardwood Swamp	North-Central Interior Wet Flatwoods Undifferentiated	29,685	4,845	16.32	10.67	23.75					
	Coastal Plain Peat Swamp	North Atlantic Coastal Plain Basin Peat Swamp Isolated/headwater streams	3,425	78	2.28	43.31	68.82					
	Northeastern Floodplain Forest	Laurentian-Acadian Floodplain Forest Larger river floodplain	29,011	531	1.83	20.93	18.63					
Northern Swamp		Laurentian-Acadian Alkaline Conifer- Hardwood Swamp Isolated	113,862	2,881	2.53	17.08	32.65					
		Laurentian-Acadian Alkaline Conifer- Hardwood Swamp Lake/pond: any size	22,776	239	1.05	35.33	44.24					
		Laurentian-Acadian Alkaline Conifer- Hardwood Swamp Larger river floodplain	40,501	568	1.4	21.92	10.32					

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								NE	CTR	NE	CTR	
		Laurentian-Acadian Alkaline Conifer- Hardwood Swamp Smaller river riparian	211,151	3,765	1.78	20.64	39.04					
		North-Central Appalachian Acidic Swamp Isolated	221,530	10,746	4.85	18.12	25.4					
		North-Central Appalachian Acidic Swamp Lake/pond: any size	19,824	59	0.3	30.13	49.77					
		North-Central Appalachian Acidic Swamp Larger river floodplain	60,041	1,484	2.47	22.14	37					
		North-Central Appalachian Acidic Swamp Smaller river riparian	254,575	20,910	8.21	23.03	30.13					
		North-Central Interior and Appalachian Rich Swamp Isolated	117,554	4,165	3.54	11.62	27.16					
		North-Central Interior and Appalachian Rich Swamp Lake/pond: any size	10,350	18	0.18	32.09	67.8					

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		North-Central Interior and Appalachian Rich Swamp Larger river floodplain	28,782	219	0.76	21.66	16.16					
		North-Central Interior and Appalachian Rich Swamp Smaller river riparian	126,277	7,231	5.73	20.55	25.72					
		Northern Appalachian- Acadian Conifer- Hardwood Acidic Swamp Isolated	160,173	11,580	7.23	32.89	37.63					
		Northern Appalachian- Acadian Conifer- Hardwood Acidic Swamp Lake/pond: any size	32,468	867	2.67	44.61	62.86					
		Northern Appalachian- Acadian Conifer- Hardwood Acidic Swamp Larger river floodplain	38,841	1,566	4.03	33.42	31.22					

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		Northern Appalachian-Acadian Conifer-Hardwood Acidic Swamp Smaller river riparian	316,122	14,698	4.65	40.55	46.62						
		total	1,774,826	80,996	4.56	25.66	33.91						

Freshwater Marsh	Emergent Marsh	Laurentian-Acadian Freshwater Marsh Isolated	53,455	3,343	6.25	22.74	37.88						
		Laurentian-Acadian Freshwater Marsh Lake/pond: any size	27,721	326	1.18	41.63	30.81						
		Laurentian-Acadian Freshwater Marsh Larger river floodplain	26,866	773	2.88	35.13	40.32						
		Laurentian-Acadian Freshwater Marsh Smaller river riparian	159,038	5,584	3.51	27.99	37.09						
		total	267,080	10,026	3.75	29.07	37.4						

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	Wet Meadow / Shrub Marsh	Laurentian-Acadian Wet Meadow-Shrub Swamp Isolated	73,511	5,404	7.35	21.85	27.57					
		Laurentian-Acadian Wet Meadow-Shrub Swamp Lake/pond: any size	26,613	516	1.94	38.05	36.56					
		Laurentian-Acadian Wet Meadow-Shrub Swamp Larger river floodplain	40,660	2,016	4.96	31.93	46.43					
		Laurentian-Acadian Wet Meadow-Shrub Swamp Smaller river riparian	247,729	13,408	5.41	31.32	32.97					
		total	388,512	21,344	5.49	30.05	32.96					

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Peatland	Northern Peatland & Fens	Boreal-Laurentian- Acadian Acidic Basin Fen Undifferentiated	158,184	2,802	1.77	33.68	61.16					
		Boreal-Laurentian Bog Isolated	18,078	62	0.34	36.37	100					
		Laurentian-Acadian Alkaline Fen Isolated/headwater streams	77	37	47.71	30.25	38.08					
		North-Central Interior and Appalachian Acidic Peatland Undifferentiated	13,908	231	1.66	52.91	36.09					
		total	190,247	3,131	1.65	35.34	59.81					

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								NE	CTR	NE	CTR	
Lotic (Umass)	Stream (1st) high	Stream (1st) high	565,126	38,310	6.78	--	--					
	Stream (1st) low	Stream (1st) low	697,599	21,555	3.09	--	--					
	Stream (2nd) high	Stream (2nd) high	32,286	2,956	9.15	--	--					
	Stream (2nd) low	Stream (2nd) low	173,061	6,736	3.89	--	--					
	Stream (3rd) high	Stream (3rd) high	8,788	633	7.2	--	--					
	Stream (3rd) low	Stream (3rd) low	127,298	5,584	4.39	--	--					
	Stream (4th) high	Stream (4th) high	3,207	141	4.39	--	--					
	Stream (4th) low	Stream (4th) low	105,854	4,072	3.85	--	--					
	Stream (5th) high	Stream (5th) high	1,456	81	5.56	--	--					
	Stream (5th) low	Stream (5th) low	235,334	12,784	5.43	--	--					

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Lotic (TNC)	Headwaters and Creeks high	Headwaters and Creeks high	604,935	41,798	6.91	--	--					
	Headwaters and Creeks low	Headwaters and Creeks low	971,532	32,522	3.35	--	--					
	Small Rivers high	Small Rivers high	4,018	214	5.32	--	--					
	Small Rivers low	Small Rivers low	109,327	4,461	4.08	--	--					
	Medium Rivers high	Medium Rivers high	1,260	94	7.45	--	--					
	Medium Rivers low	Medium Rivers low	93,158	4,169	4.48	--	--					
	Large Rivers high	Large Rivers high	650	15	2.33	--	--					
	Large Rivers low	Large Rivers low	165,128	9,578	5.8	--	--					

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Lentic	Lake	Lake	1,177,579	46,145	3.92	--	--					
	Pond	Pond	264,505	10,094	3.82	--	--					
Estuarine Intertidal	Estuarine Intertidal Emergent	Estuarine Intertidal Emergent	287,221	982	0.34	--	--					
	Estuarine Intertidal Rocky Shore	Estuarine Intertidal Rocky Shore	881	0	0.01	--	--					
	Estuarine Intertidal Scrub Shrub	Estuarine Intertidal Scrub Shrub	4,259	0	0.01	--	--					
	Estuarine Intertidal Unconsolidated Shore	Estuarine Intertidal Unconsolidated Shore	116,420	179	0.15	--	--					
Marine Intertidal	Marine Intertidal Rocky Shore	Acadian-North Atlantic Rocky Coast	1,780	23	1.32	--	--					

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Agricultural	Cultivated crops	Cultivated crops	3,713,921	47,289	1.27	6.21	12.14					
	Pasture/hay	Pasture/hay	6,470,262	140,371	2.17	5.03	11.4					

Developed	Abandoned train	Abandoned train	101,575	3,783	3.72	--	--	--	--	--	--	
	Active train	Active train	122,355	4,445	3.63	--	--	--	--	--	--	
	Culvert/ bridge	Culvert/bridge	50,137	2,336	4.66	--	--	--	--	--	--	
	Dam	Dam	1,351	123	9.09	--	--	--	--	--	--	
	Developed- high intensity	Developed- high intensity	192,714	5,751	2.98	--	--	--	--	--	--	
	Developed- low intensity	Developed- low intensity	1,149,817	49,791	4.33	--	--	--	--	--	--	
	Developed- medium intensity	Developed- medium intensity	467,886	20,506	4.38	--	--	--	--	--	--	
	Developed- open space	Developed- open space	939,701	31,272	3.33	--	--	--	--	--	--	
	Local road	Local road	3,625,615	144,792	3.99	--	--	--	--	--	--	
	Motorway	Motorway	120,787	6,119	5.07	--	--	--	--	--	--	
	NLCD 06 barren land	NLCD 06 barren land	123,455	3,550	2.88	--	--	--	--	--	--	

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	Primary road	Primary road	253,261	11,335	4.48	--	--	--	--	--	--	
	Secondary road	Secondary road	322,328	16,705	5.18	--	--	--	--	--	--	
	Tertiary road	Tertiary road	333,744	7,297	2.19	--	--	--	--	--	--	
	Track	Track	270,612	5,592	2.07	--	--	--	--	--	--	