

## Species Chosen for NatureServe’s Climate Change Vulnerability Assessment

**Species of high regional concern** – primarily “high responsibility species” and “high concern” species as identified in the Nature Conservancy’s review of the 13 Northeast State Wildlife Action Plans

**Representative species** – species whose habitat needs or ecosystem function are similar to a group of other species. Most of those listed below were previously identified in a process led by the U.S. Fish and Wildlife Service in the North Atlantic region.

**Foundational species** – species that are major determinants of ecosystem structure and function and that thus have a large influence on other species with which they co-occur.

Ecosystem Type	Species	Species of high regional concern	Representative species	Foundational species
Spruce-fir-hardwood forests	Bicknell’s Thrush	✓	✓	
	Moose	✓		
	Spruce Grouse	✓	✓	
	Blackpoll Warbler		✓	
	Balsam fir			✓
	Red spruce			✓
Northern hardwood-hemlock forests	Jefferson Salamander	✓		
	Northern Goshawk	✓		
	Small whorled pogonia	✓		
	Ovenbird		✓	
	Eastern hemlock			✓
	Sugar maple			✓
Oak-hickory-pine forests	Eastern Red Bat		✓	
	Wood Thrush		✓	
	White oak			✓
	White pine			✓
Swamps	Hessel’s Hairstreak	✓		
	Northern Waterthrush		✓	
	Atlantic white cedar			✓
	Black gum			✓
	Northern white cedar			✓
Freshwater marshes	American Bittern	✓	✓	
	American Black Duck		✓	
	Least Bittern	✓	✓	
	Marsh Wren		✓	
	Pickerelweed			✓
	Woolgrass			✓
Coastal marshes	Saltmarsh Sparrow	✓	✓	
	Diamond-backed		✓	

Ecosystem Type	Species	Species of high regional concern	Representative species	Foundational species
	Terrapin			
	Smooth cordgrass			✓
Coastal beaches and mudflats	American Oystercatcher	✓	✓	
	Eastern Beach Tiger Beetle	✓		
	Common Tern	✓	✓	
	Least Tern	✓	✓	
	Piping Plover	✓	✓	
	Horseshoe Crab		✓	
Streams to small rivers	Brook Floater	✓		
	Brook Trout	✓	✓	
	American (no.) Water Shrew		✓	
	Louisiana Waterthrush		✓	
	So. Pygmy Clubtail		✓	
	Tape grass			✓
Medium-sized to large rivers	Atlantic Sturgeon	✓		
	Dwarf Wedgemussel	✓		
	Eastern Hellbender	✓		
	American Shad		✓	
	Atlantic Salmon		✓	
Bogs	Bog Elfin		✓	
	Incurvate Emerald		✓	
	Purple pitcher plant		✓	
	Black spruce			✓
	Leatherleaf			✓
Ponds and vernal pools	Spotted Turtle	✓	✓	
	Wood Frog		✓	
	Barbed-bristle bulrush	✓		
Floodplain riparian	Cerulean Warbler	✓		
	Wood Turtle	✓	✓	
	Red-shouldered Hawk		✓	
	Silver maple			✓
Pine barrens	Frosted Elfin	✓		
	Northern Pine Snake		✓	
	Pitch pine			✓
Early successional	Least Weasel	✓		
	New England Cottontail	✓		