

Appendix F Habitat Threat Ranking

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Freshwater Marsh (Formation) / Emergent Marsh (Macrogroup)													
Northern Atlantic Coastal Plain Fresh and Oligohaline Tidal Marsh Example: Kenilworth marshes	Virginia rail, unicorn clubtail, spotted turtle, blueback herring	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	15	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
				Invasive fish and turtles	Moderate	Irreversible	Immediate	Pervasive	High	Occurring	17	Invasive species control	Biological or mechanical
			Problematic Native Species/Diseases	Canada goose overabundance/ overbrowse	Severe	Reversible with difficulty	Immediate	Pervasive	High	Occurring	17	Wildlife Damage Management	Deer and goose management, SAV restoration
		Residential and Commercial Development	Tourism and Recreational Areas	Pressures from tourism and recreational infrastructure	Slight	Reversible	Long-term	Localized	Low	Unlikely	6	Education and Outreach	Education and Outreach
		Human Intrusions and Disturbance	Recreational Activities	Pressures from tourism and recreational activities	Slight	Reversible	Long-term	Localized	Low	Unlikely	6	Education and Outreach	Education and Outreach
		Natural Systems Modifications	Other Ecosystem Modifications	hydrological alterations, stormwater	Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Instream Modification	Restoration of Natural Stream Channel
		Pollution	Domestic and Urban Waste Water	Sewage	Moderate	Reversible with difficulty	Immediate	Localized	Moderate	Occurring	13	Water Management	Drainage
				Runoff	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Management	Drainage
				Garbage and solid waste	Moderate	Reversible with difficulty	Immediate	Localized	Moderate	Occurring	13	Hazard or infrastructure removal	removal and regulation of waste
				Agricultural and Forestry Effluents	Soil Erosion and Sedimentation	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Instream Modification

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3		
Freshwater Marsh (Formation) / Emergent Marsh - Modified/Managed Marsh (Macrogroup)															
Modified/Managed Marsh Example: Restored wetlands of Kingman Lake, Anacostia River fringe marshes	marsh wren, eastern worm snake, American beaver	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	15	Invasive species control	Inventory, mechanical, biological, chemical, partnerships		
				Invasive fish and turtles	Moderate	Irreversible	Immediate	Pervasive	High	Occurring	17	Invasive species control	Biological or mechanical		
		Human Intrusions and Disturbance	Recreational Activities	Pressures from tourism and recreational activities	Problematic Native Species/Diseases	Canada goose overabundance/overbrowse	Severe	Reversible with difficulty	Immediate	Pervasive	High	Occurring	17	Wildlife Damage Management	Deer and goose management, SAV restoration
					Other Ecosystem Modifications	hydrological alterations, stormwater	Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Instream Modification	Restoration of Natural Stream Channel
		Pollution	Domestic and Urban Waste Water	Sewage	Runoff	Soil Erosion and Sedimentation	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Management	Drainage
						Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Management	Drainage	
						Moderate	Reversible with difficulty	Immediate	Localized	Moderate	Occurring	13	Water Management	Drainage	
		Agricultural and Forestry Effluents	Soil Erosion and Sedimentation	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Instream Modification	Streambank Stabilization			
Freshwater Marsh (Formation) / Modified/Managed Marsh (Macrogroup)															
Introduced Wetland and Riparian Vegetation Example: Gateway wetlands, north Kingman marshes	garter snake, Virginia opossum, American bitern, unicorn clubtail	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	15	Invasive species control	Inventory, mechanical, biological, chemical, partnerships		
				Invasive fish and turtles	Moderate	Irreversible	Immediate	Pervasive	High	Occurring	17	Invasive species control	Biological or mechanical		
		Residential and Commercial Development	Tourism and Recreational Areas	Pressures from tourism and recreational infrastructure	Slight	Reversible	Long-term	Localized	Low	Unlikely	6	Education and Outreach	Education and Outreach		
		Human Intrusions and Disturbance	Recreational Activities	Pressures from tourism and recreational activities	Slight	Reversible	Long-term	Localized	Low	Unlikely	6	Education and Outreach	Education and Outreach		
		Natural Systems Modifications	Other Ecosystem Modifications	hydrological alterations, stormwater	Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Instream Modification	Restoration of Natural Stream Channel		

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Grassland & Shrubland (Formation) / Ruderal Shrubland & Grassland (Macrogroup)													
Introduced Shrubland	yellow-breasted chat, eastern worm snake, prairie warbler	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Severe	Reversible with difficulty	Immediate	Pervasive	High	Occurring	17	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Tourism and Recreational Areas	Pressures from tourism and recreational infrastructure	Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Education and Outreach	Education and Outreach
		Human Intrusions and Disturbance	Recreational Activities	Pressures from tourism and recreational activities	Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Education and Outreach	Education and Outreach
		Pollution	Garbage and Solid Waste	trash dumping – historic and contemporary	Moderate	Reversible	Near-Term	Localized	High	Likely	11	Hazard or Infrastructure Removal	Solid Waste Removal
Ruderal Upland - Old Field	northern ringneck snake, big brown Bat, bobolink, grasshopper sparrow	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Severe	Reversible with difficulty	Immediate	Pervasive	High	Occurring	17	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Tourism and Recreational Areas	Pressures from tourism and recreational infrastructure	Moderate	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	11	Education and Outreach	Education and Outreach
		Human Intrusions and Disturbance	Recreational Activities	Pressures from tourism and recreational activities	Moderate	Reversible with difficulty	Immediate	Localized	Moderate	Likely	11	Education and Outreach	Education and Outreach
		Natural Systems Modifications	Other ecosystem modifications	landfill remediation	Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Plantings/ Seedlings	Meadow Restoration

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Northeastern Upland Forest (Formation) / Central Oak-Pine (Macrogroup)													
Central Appalachian Dry Oak-Pine Forest Example: Fort Dupont, Pope Branch Park, steep slopes in Rock Creek Park	wood thrush, ovenbird, eastern chipmunk	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	High	Occurring	16	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
				Problematic Native Species/Diseases	Whitetail deer overabundance/overbrowse	Slight	Reversible with difficulty	Immediate	Dispersed/Patchy	High	Likely	13	Invasive species control
		Residential and Commercial Development	Housing and Urban Areas	Human cities, towns and settlements	Slight	Reversible with difficulty	Near-Term	Dispersed/Patchy	Low	Unlikely	9	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
			Commercial and Industrial Areas	Industrial and other commercial development	Slight	Reversible with difficulty	Near-Term	Dispersed/Patchy	Low	Unlikely	9	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
			Tourism and Recreational Areas	Pressures from tourism and recreational infrastructure	Moderate	Irreversible	Immediate	Localized	High	Occurring	12	Education and Outreach	Education and Outreach
			Human Intrusions and Disturbance	Recreational Activities	Pressures from tourism and recreational activities	Moderate	Reversible with difficulty	Immediate	Localized	High	Occurring	14	Education and Outreach

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Northeastern Upland Forest (Formation) / Central Oak-Pine (Macrogroup)													
Northern Atlantic Coastal Plain Hardwood Forest Example: Kingman and many Fort Circle parks; Shepherd parkway, Poplar Point	bald eagle, scarlet tanager, Virginia opossum	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	High	Occurring	16	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
			Problematic Native Species/Diseases	Whitetail deer overabundance/overbrowse	Slight	Reversible with difficulty	Immediate	Dispersed/Patchy	High	Likely	14	Wildlife Damage Management	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Housing and Urban Areas	Human cities, towns and settlements	Slight	Irreversible	Long-term	Dispersed/Patchy	Low	Likely	10	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
			Commercial and Industrial Areas	Industrial and other commercial development	Moderate	Irreversible	Long-term	Dispersed/Patchy	Moderate	Likely	12	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
			Tourism and Recreational Areas	Pressures from tourism and recreational infrastructure	Slight	Reversible with difficulty	Near-Term	Localized	High	Occurring	12	Education and Outreach	Education and Outreach
			Human Intrusions and Disturbance	Recreational Activities	Pressures from tourism and recreational activities	Moderate	Reversible with difficulty	Immediate	Localized	High	Occurring	14	Education and Outreach

Northeastern Upland Forest (Formation) / Central Oak-Pine (Macrogroup)

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Southern Interior Low Plateau Dry - Mesic Oak Forest Example: Rock Creek Park 16th street area	redback salamander, Wood thrush, Virginia opossum	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	High	Occurring	16	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
			Problematic Native Species/Diseases	Whitetail deer overabundance/overbrowse	Slight	Reversible	Immediate	Localized	High	Likely	11	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Tourism and Recreational Areas	Pressures from tourism and recreational infrastructure	Slight	Reversible with difficulty	Near-Term	Localized	High	Occurring	12	Education and Outreach	Education and Outreach
		Human Intrusions and Disturbance	Recreational Activities	Pressures from tourism and recreational activities	Moderate	Reversible with difficulty	Immediate	Localized	High	Occurring	14	Education and Outreach	Education and Outreach
Northeastern Upland Forest (Formation) / Northern Hardwood & Conifer (Macrogroup)													
Southern Atlantic Coastal Plain Mesic Hardwood Forest		Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants - forest interior	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	High	Occurring	16	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
			Problematic Native Species/Diseases	Whitetail deer overabundance/overbrowse	Severe	Reversible with difficulty	Immediate	Pervasive	High	Occurring	17	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Housing and Urban Areas	Human cities, towns and settlements	Slight	Reversible with difficulty	Near-Term	Dispersed/Patchy	Low	Unlikely	9	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
			Commercial and Industrial Areas	Industrial and other commercial development	Slight	Reversible with difficulty	Near-Term	Dispersed/Patchy	Low	Unlikely	9	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
			Tourism and Recreational Areas	Pressures from tourism and recreational activities	Moderate	Irreversible	Immediate	Dispersed/Patchy	High	Occurring	16	Education and Outreach	Education and Outreach
		Human Intrusions and Disturbance	Recreational Activities		Moderate	Irreversible	Immediate	Dispersed/Patchy	High	Occurring	16	Education and Outreach	Education and Outreach
Northeastern Wetland Forest (Formation) / Coastal Plain Swamp (Macrogroup)													

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Northern Atlantic Coastal Plain Tidal Swamp Example: Theodore Roosevelt Island forested wetlands, Kenilworth forested wetlands	green frog, river otter, least bittern, black-crowned night-heron	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	14	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
			Invasive Non-native/Alien Species/Diseases	Emerald ash borer	Severe	Irreversible	Immediate	Pervasive	High	Occurring	18	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Tourism and Recreational Areas	Pressures from tourism and recreational infrastructure	Slight	Reversible	Long-term	Localized	Moderate	Likely	8	Education and Outreach	Education and Outreach
		Human Intrusions and Disturbance	Recreational Activities	Pressures from tourism and recreational activities	Slight	Reversible	Long-term	Localized	Moderate	Likely	8	Education and Outreach	Education and Outreach
		Pollution	Domestic and Urban Waste Water	Sewage	Moderate	Reversible with difficulty	Immediate	Localized	Moderate	Occurring	13	Water Management	Drainage
				Runoff	Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	14	Water Management	Drainage
				Agricultural and Forestry Effluents	Soil Erosion and Sedimentation	Severe	Reversible with difficulty	Immediate	Pervasive	Moderate	Occurring	16	Instream Modification
		Successional Woody Wetland Example: Oxon Run	five-lined skink, Louisiana waterthrush, muskrat, eastern comma butterfly	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	14
Invasive Non-native/Alien Species/Diseases	Emerald ash borer				Severe	Irreversible	Immediate	Pervasive	High	Occurring	18	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
Problematic Native Species	Whitetail Deer			Moderate	Reversible	Near-Term	Dispersed/Patchy	Moderate	Occurring	12	Wildlife Damage Management	Non-lethal and lethal control	
Natural Systems Modifications	Dams and Water Management/Use			Abstraction of groundwater (unknown use)	Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	High	Occurring	15	Damn and Barrier Removal	Culvert Work
Northeastern Wetland Forest (Formation) / Northeastern Floodplain Forest (Macrogroup)													

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Central Appalachian River Floodplain Example: Potomac River floodplain forest, Chesapeake and Ohio Canal Historic Park	rough green snake, Virginia opossum, scarlet tanager, prothonotary warbler	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Severe	Irreversible	Immediate	Pervasive	High	Occurring	18	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
				Emerald ash borer	Severe	Irreversible	Near-Term	Dispersed/Patchy	High	Likely	16	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
				Whitetail deer overabundance/overbrowse	Severe	Reversible with difficulty	Immediate	Pervasive	High	Occurring	17	Wildlife Damage Management	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Tourism and Recreational Areas	Pressures from tourism and recreational activities, trails, etc.	Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	High	Occurring	15	Education and Outreach	Education and Outreach
		Human Intrusions and Disturbance	Recreational Activities		Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	High	Occurring	15	Education and Outreach	Education and Outreach
		Pollution	Domestic and Urban Waste Water	Runoff	Slight	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Likely	12	Water Treatment	Runoff Management, Erosion Control, Vegetation Buffers, Outreach and Education, Data Collection
Northeastern Wetland Forest (Formation) / Northeastern Floodplain Forest (Macrogroup)													
Northern Atlantic Coastal Plain Stream and River Example: Oxon Run Forest, streams east of the Anacostia River	eastern worm snake, two-lined salamander, hooded warbler, red-shouldered hawk, silver-haired bat	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	14	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
				Emerald ash borer	Severe	Irreversible	Immediate	Pervasive	High	Occurring	18	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
		Pollution	Domestic and Urban Waste Water	Sewage	Moderate	Reversible with difficulty	Immediate	Localized	Moderate	Occurring	13	Water Management	Drainage
				Runoff	Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	14	Water Management	Drainage
			Agricultural and Forestry Effluents	Soil Erosion and Sedimentation	Severe	Reversible with difficulty	Immediate	Pervasive	Moderate	Occurring	16	Instream Modification	Streambank Stabilization
		Natural Systems Modifications	Other Ecosystem Modifications	Stream channelization (concrete)	Moderate	Reversible with difficulty	Immediate	Localized	Moderate	Occurring	13	Instream Modification	Channel Reconfiguration
Northeastern Wetland Forest (Formation) / Northeastern Floodplain Forest (Macrogroup)													

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Central Appalachian Stream and Riparian Example: Rock Creek Park northern floodplain	wood frog, eastern painted Turtle, rusty blackbird, American beaver	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Severe	Irreversible	Immediate	Pervasive	High	Occurring	18	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
				Free-range cats	Moderate	Reversible with difficulty	Immediate	Pervasive	High	Occurring	16	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
			Problematic Native Species/Diseases	Whitetail deer overabundance/overbrowse	Severe	Reversible with difficulty	Immediate	Pervasive	High	Occurring	17	Wildlife Damage Management	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Housing and Urban Areas	Human cities, towns and settlements, encroachment	Slight	Reversible with difficulty	Long-term	Localized	Low	Unlikely	7	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
			Commercial and Industrial Areas	Industrial and other commercial development	Slight	Reversible with difficulty	Long-term	Localized	Low	Unlikely	7	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
		Tourism and Recreational Areas	Pressures from tourism and recreational activities, trail creation	Moderate	Irreversible	Immediate	Dispersed/Patchy	High	Occurring	16	Education and Outreach	Education and Outreach	
		Human Intrusions and Disturbance	Recreational Activities	people and dogs, social trails	Moderate	Irreversible	Immediate	Dispersed/Patchy	High	Occurring	16	Education and Outreach	Education and Outreach

Aquatic (Formation) / Freshwater Pond (Macrogroup)

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Freshwater Pond	wood duck, American beaver, eastern painted turtle, pickerel frog, lily pad damselfly	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive Plants, Fish, Turtles	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	14	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
			Problematic Native Species/Diseases	Fish, Turtles	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	14	Wildlife Damage Management; Species control; Decontamination protocols	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Tourism and Recreation Areas	Pressures from tourism and recreational activities, trail creation	Slight	Reversible with difficulty	Long-term	Localized	Low	Unlikely	7	Education and Outreach	Education and Outreach
		Human Intrusions and Disturbance	Recreational Activities	People, dogs, social trails	Slight	Reversible	Long-term	Localized	Low	Unlikely	6	Pond Modification	Pond Reconfiguration
		Natural Systems Modifications	Other Ecosystem Modifications		Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Water Management	Drainage
		Pollution	Domestic and Urban Waste Water	Sewage	Moderate	Reversible with difficulty	Immediate	Localized	Moderate	Occurring	13	Water Management	Drainage
				Runoff	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Management	Drainage
			Agriculture and Forestry Effluents	Soil Erosion and Sedimentation	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Pond Modification	Stabilization

Aquatic (Formation) / Lake/Embayed Riverine Areas (Macrogroup)

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Lake/Embayed Riverine Areas	American black duck, green frog, big brown bat	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive Plants, Fish, Turtles	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	14	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
			Problematic Native Species/Diseases	Fish, Turtles	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	14	Wildlife Damage Management; Species control; Decontamination protocols	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Commercial and Industrial Areas	Industrial and other commercial development	Slight	Reversible with difficulty	Long-term	Localized	Low	Unlikely	7	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
			Tourism and Recreation Areas	Pressures from tourism and recreational activities, trail creation	Slight	Reversible with difficulty	Long-term	Localized	Low	Unlikely	7	Education and Outreach	Education and Outreach
		Human Intrusions and Disturbance	Recreational Activities	People, dogs, social trails	Slight	Reversible	Long-term	Localized	Low	Unlikely	6	Lake Modification	Lake Reconfiguration
		Natural Systems Modifications	Other Ecosystem Modifications		Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Water Management	Drainage
		Pollution	Domestic and Urban Waste Water	Sewage	Moderate	Reversible with difficulty	Immediate	Localized	Moderate	Occurring	13	Water Management	Drainage
				Runoff	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Management	Drainage
			Agriculture and Forestry Effluents	Soil Erosion and Sedimentation	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Lake Modification	Stabilization

Aquatic (Formation) / Reservoir (Macrogroup)

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3		
Reservoir	American black duck, big brown bat	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive Plants, Fish, Turtles	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	14	Invasive species control	Inventory, mechanical, biological, chemical, partnerships		
			Problematic Native Species/Diseases	Fish, Turtles	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	14	Wildlife Damage Management; Species control; Decontamination protocols	Inventory, mechanical, biological, chemical, partnerships		
		Residential and Commercial Development	Commercial and Industrial Areas	Industrial and other commercial development	Slight	Reversible with difficulty	Long-term	Localized	Low	Unlikely	7	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices		
					Tourism and Recreation Areas	Pressures from tourism and recreational activities, trail creation	Slight	Reversible with difficulty	Long-term	Localized	Low	Unlikely	7	Education and Outreach	Education and Outreach
					Human Intrusions and Disturbance	Recreational Activities	People, dogs, social trails	Slight	Reversible	Long-term	Localized	Low	Unlikely	6	Modification
		Natural Systems Modifications	Other Ecosystem Modifications		Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Water Management	Drainage		
		Pollution	Domestic and Urban Waste Water	Sewage	Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Water Management	Drainage		
				Runoff	Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Water Management	Drainage		
			Agriculture and Forestry Effluents	Soil Erosion and Sedimentation	Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Modification	Stabilization		

Aquatic (Formation) / Riverine (Macrogroup)

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Great River	purple martin, eastern redbelly turtle, river otter	Biological Resource Use	Fishing and harvesting of aquatic resources		Moderate	Reversible	Near Term	Pervasive	Moderate	Likely	12	Biological Resource Management	Regulations and Law Enforcement
		Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Fish/ Blue Catfish	Moderate	Reversible with difficulty	Near Term	Pervasive	Moderate	Occurring	14	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
		Pollution	Garbage and Solid Waste		Severe	Reversible with difficulty	Immediate	Pervasive	Moderate	Occurring	16	Hazard or infrastructure removal	Solid waste removal
			Domestic and Urban Waste Water	Runoff	Severe	Reversible with difficulty	Immediate	Pervasive	Moderate	Occurring	16	Planting/seeding	Submerged aquatic vegetation
		Residential and Commercial Development	Commercial and Industrial Areas	Industrial and other commercial development	Severe	Irreversible	Immediate	Pervasive	Moderate	Occurring	17	Planting/seeding	Submerged aquatic vegetation
			Tourism and Recreation Areas	Pressures from tourism and recreational activities, trail creation	Slight	Reversible with difficulty	Long-term	Localized	Low	Unlikely	7	Outreach; Partner/stakeholder engagement; Regulation	Species and habitat management planning; Law enforcement
		Natural Systems Modifications	Dams and Water Management/Use	Dams (size unknown)	Severe	Reversible with difficulty	Immediate	Dispersed or Patchy	Highly	Occurring	16	Dam and barrier removal	Obstruction removal
		Resource Management Needs	Resource information collection needs	lack of initial baseline inventory	Slight	Reversible	Long-term	Dispersed/Patchy	Moderate	Occurring	10	Research, survey or monitor habitat	Baseline inventory
		Education/ Outreach Needs	Education Needs	Lack of aquatic resources and wildlife education facilities	Slight	Reversible	Long-term	Localized	Low	Likely	7	Student training	Aquatic resource education

Aquatic (Formation) / Riverine (Macrogroup)

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Small River	green frog, muskrat, eastern mud turtle, Forster's tern	Education/ Outreach Needs	Education Needs	Lack of aquatic resources and wildlife education facilities	Slight	Reversible	Long-term	Localized	Low	Likely	7	Education and Outreach	Education and Outreach
		Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Named Species	Moderate	Reversible with difficulty	Near Term	Pervasive	Moderate	Occurring	14	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
		Natural Systems Modifications	Dams and Water Management/Use	Dams (size unknown)	Severe	Reversible with difficulty	Immediate	Dispersed or Patchy	Highly	Occurring	16	Structure Removal	Habitat Restoration
		Pollution	Domestic and Urban Waste Water	Runoff	Moderate	Reversible with difficulty	Immediate	Localized	Moderate	Occurring	13	Water Treatment	Runoff Management, Erosion Control, Vegetation Buffers, Outreach and Education, Data Collection
			Domestic and Urban Waste Water	Sewage	Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	14	Water Treatment	Runoff Management, Erosion Control, Vegetation Buffers, Outreach and Education, Data Collection
			Garbage and Solid Waste	List the type, source, and if possible, the specific pollutants of concern	Severe	Reversible with difficulty	immediate	Pervasive	Moderate	Occurring	16	Water Treatment	Runoff Management, Erosion Control, Vegetation Buffers, Outreach and Education, Data Collection
		Resource Management Needs	Resources information collection needs	lack of initial baseline inventory	Slight	Reversible	Long-term	Localized	Low	Likely	7	Data Collection and Analysis	Research, Survey, Monitoring Habitat
		Pollution	Agricultural and Forestry Effluents	Soil Erosion and Sedimentation	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Treatment	Stabilization of Streambanks
				Nutrient Loads	Severe	Reversible with difficulty	Near-Term	Pervasive	High	Occurring	16	Water Treatment	Runoff Management, Erosion Control, Vegetation Buffers, Outreach and Education, Data Collection
Aquatic (Formation) / Riverine (Macrogroup)													

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Creek	Willow Flycatcher, Two-lined Salamander, Eastern Red Bat	Natural Systems Modifications	Other Ecosystem Modifications	Stream construction/instream modifications/imbrication	Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Instream Modification	Restoration of Natural Stream Channel
Headwater Creek		Residential and Commercial Development	Housing and Urban Areas	List the type of development	Severe	Irreversible	Immediate	Pervasive	Moderate	Occurring	17	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
		Biological Resource Use	Fishing and Harvesting of Aquatic Resources		Moderate	Reversible	Near Term	Pervasive	Highly	Likely	13	Hunting and Collecting Terrestrial Animals	Regulations and Law Enforcement
		Education/Outreach Needs	Education Needs	Lack of aquatic resources and wildlife education facilities	Slight	Reversible	Long-term	Localized	Low	Likely	7	Education and Outreach	Education and Outreach
		Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Named Species	Moderate	Reversible with difficulty	Near Term	Pervasive	Moderate	Occurring	14	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
		Natural Systems Modifications	Dams and Water Management/Use	Dams (size unknown)	Severe	Reversible with difficulty	Immediate	Dispersed or Patchy	Highly	Occurring	16	Instream Modification	Restoration of Natural Stream Channel
		Pollution	Domestic and Urban Waste Water	sewage	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Treatment	Runoff Management, Erosion Control, Vegetation Buffers, Outreach and Education, Data Collection
				Runoff	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Treatment	Runoff Management, Erosion Control, Vegetation Buffers, Outreach and Education, Data Collection

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
			Garbage and Solid Waste	List the type, source, and if possible, the specific pollutants of concern	Severe	Reversible with difficulty	immediate	Pervasive	Moderate	Occurring	16	Water Treatment	Runoff Management, Erosion Control, Vegetation Buffers, Outreach and Education, Data Collection
			Agricultural and Forestry Effluents	Soil Erosion and Sedimentation	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Treatment	Runoff Management, Erosion Control, Vegetation Buffers, Outreach and Education, Data Collection
Aquatic (Formation) / Riverine (Macrogroup)													
Pond		Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive Plants, Fish, Turtles	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	14	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
			Problematic Native Species/Diseases	Fish, Turtles	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	14	Wildlife Damage Management; Species control; Decontamination protocols	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Tourism and Recreation Areas	Pressures from tourism and recreational activities, trail creation	Slight	Reversible	Long-term	Localized	Low	Unlikely	6	Education and Outreach	Education and Outreach
		Human Intrusions and Disturbance	Recreational Activities	People, dogs, social trails	Slight	Reversible	Long-term	Localized	Low	Unlikely	6	Modification	Reconfiguration
		Natural Systems Modifications	Other Ecosystem Modifications		Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Water Management	Drainage
		Pollution	Domestic and Urban Waste Water	Sewage	Moderate	Reversible with difficulty	Immediate	Localized	Moderate	Occurring	13	Water Management	Drainage
				Runoff	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Management	Drainage
				Agriculture and Forestry Effluents	Soil Erosion and Sedimentation	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Modification

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Aquatic (Formation) / Vernal Pool (Macrogroup)													
Floodplain	wood frog, Louisiana waterthrush, Virginia opossum	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive Plants, Fish, Turtles	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	14	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
			Problematic Native Species/Diseases	Fish, Turtles	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	14	Wildlife Damage Management; Species control; Decontamination protocols	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Housing and Urban Areas	Human cities, towns and settlements, encroachment	Severe	Irreversible	Immediate	Dispersed/Patchy	High	Occurring	17	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
		Commercial and Industrial Areas	Industrial and other commercial development	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Likely	13	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices	
		Tourism and Recreation Areas	Pressures from tourism and recreational activities, trail creation	Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Education and Outreach	Education and Outreach	
		Human Intrusions and Disturbance	Recreational Activities	People, dogs, social trails	Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Modification	Reconfiguration
		Natural Systems Modifications	Other Ecosystem Modifications	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Management	Drainage	
		Pollution	Domestic and Urban Waste Water	Sewage	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Management	Drainage
				Runoff	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Management	Drainage
			Agriculture and Forestry Effluents	Soil Erosion and Sedimentation	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Modification	Stabilization

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3	
Aquatic (Formation) / Springs and Seeps (Macrogroup)														
Springs and Seeps	Hay's spring amphipod	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive Plants	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	14	Invasive species control	Inventory, mechanical, biological, chemical, partnerships	
		Residential and Commercial Development	Housing and Urban Areas	Human cities, towns and settlements, encroachment	Slight	Reversible with difficulty	Long-term	Localized	Low	Unlikely	7	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices	
		Commercial and Industrial Areas	Industrial and other commercial development		Slight	Reversible with difficulty	Long-term	Localized	Low	Unlikely	7	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices	
		Tourism and Recreation Areas	Pressures from tourism and recreational activities, trail creation		Moderate	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	11	Education and Outreach	Education and Outreach	
		Human Intrusions and Disturbance	Recreational Activities	People, dogs, social trails	Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Modification	Reconfiguration	
		Natural Systems Modifications	Other Ecosystem Modifications		Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Management	Drainage	
		Pollution	Domestic and Urban Waste Water	sewage		Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Management	Drainage
				Runoff		Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Management	Drainage
			Agriculture and Forestry Effluents	Soil Erosion and Sedimentation		Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Modification	Stabilization
			Industrial and Military Effluents	Groundwater contamination		Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	Low	Likely	9	Water Management	Drainage

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Intertidal – Nonvascular (Formation) / Intertidal Shore (Macrogroup)													
North Atlantic Intertidal Mudflat	lesser yellowlegs, little blue heron	Pollution	Garbage and Solid Waste		Moderate	Reversible	Immediate	Dispersed/Patchy	High	Occurring	14	Hazard or infrastructure removal	Solid waste removal
		Residential and Commercial Development	Tourism and Recreation Areas	Pressures from tourism and recreational activities, trail creation	Slight	Reversible	Near-Term	Localized	Moderate	Likely	9	Education and Outreach	Education and Outreach
		Pollution	Domestic and Urban Waste Water	Sewage	Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	14	Water Management	Drainage
				Runoff	Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	14	Water Management	Drainage
		Industrial and Military Effluents	Oil Spills	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	Moderate	Likely	12	Water Management	Drainage	
		Agriculture and Forestry Effluents	Soil Erosion and Sedimentation	Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	12	Modification	Stabilization	
Rocky shoals		Natural Systems Modifications	Recreational Activities	People, dogs, social trails	Slight	Reversible	Long-term	Localized	Low	Unlikely	9	Education and Outreach	Education and Outreach
		Pollution	Domestic and Urban Waste Water	Sewage	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	Low	Occurring	10	Water Management	Drainage
				Runoff	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	Low	Occurring	10	Water Management	Drainage
		Industrial and Military Effluents	Oil Spills	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	Low	Likely	9	Water Management	Drainage	
		Agriculture and Forestry Effluents	Soil Erosion and Sedimentation	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	Low	Occurring	10	Modification	Stabilization	

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Aquatic (Formation) / Overlaps with Freshwater Marsh (Macrogroup)													
Freshwater Emergent Wetland	eastern redbelly turtle	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive Plants, Fish, Turtles	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	14	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
			Problematic Native Species/Diseases	Fish, Turtles	Moderate	Reversible with difficulty	Near-Term	Dispersed/Patchy	High	Occurring	14	Wildlife Damage Management; Species control; Decontamination protocols	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Housing and Urban Areas	Human cities, towns and settlements, encroachment	Moderate	Irreversible	Near-Term	Localized	High	Occurring	15	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
			Commercial and Industrial Areas	Industrial and other commercial development	Slight	Reversible	Long-term	Localized	Low	Unlikely	6	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
			Tourism and Recreation Areas	Pressures from tourism and recreational activities, trail creation	Slight	Reversible	Long-term	Localized	Low	Unlikely	6	Education and Outreach	Education and Outreach
			Human Intrusions and Disturbance	Recreational Activities	People, dogs, social trails	Slight	Reversible	Long-term	Localized	Low	Unlikely	6	Education and Outreach
		Natural Systems Modifications	Other Ecosystem Modifications		Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Wetland Modification	Wetland Reconfiguration
		Pollution	Domestic and Urban Waste Water	Sewage	Moderate	Reversible with difficulty	Immediate	Localized	Moderate	Occurring	13	Water Management	Drainage
				Runoff	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Water Management	Drainage
			Agriculture and Forestry Effluents	Soil Erosion and Sedimentation	Severe	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	15	Wetland Modification	Stabilization

Habitat System	Exemplary SGCN	Threats IUCN 1	Threats IUCN 2	Threats IUCN 3	Severity	Reversibility	Immediacy	Spatial Index	Certainty	Likelihood		Action level 2	Action Level 3
Aquatic (Formation) / Overlaps with Northeastern Wetland Forest (Macrogroup)													
Freshwater Forested/Shrub Wetland	American woodcock, spring peeper, American beaver	Invasive and Other Problematic Species, Genes and Diseases	Invasive Non-native/Alien Species/Diseases	Invasive plants	Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	14	Invasive species control	Inventory, mechanical, biological, chemical, partnerships
			Invasive Non-native/Alien Species/Diseases	Fish, Turtles	Severe	Irreversible	Immediate	Pervasive	High	Occurring	18	Wildlife Damage Management; Species control; Decontamination protocols	Inventory, mechanical, biological, chemical, partnerships
		Residential and Commercial Development	Tourism and Recreational Areas	Pressures from tourism and recreational infrastructure	Slight	Reversible	Long-term	Localized	Moderate	Likely	8	Wildlife Management Areas	Partnerships, Administrative, Land Acquisition, Translocation, Best Management Practices
		Human Intrusions and Disturbance	Recreational Activities	Pressures from tourism and recreational activities	Slight	Reversible	Long-term	Localized	Moderate	Likely	8	Education and Outreach	Education and Outreach
		Natural Systems Modifications	Other Ecosystem Modifications		Slight	Reversible with difficulty	Near-Term	Localized	Moderate	Likely	10	Wetland Modification	Wetland Reconfiguration
		Pollution	Domestic and Urban Waste Water	Sewage	Moderate	Reversible with difficulty	Immediate	Localized	Moderate	Occurring	13	Water Management	Drainage
				Runoff	Moderate	Reversible with difficulty	Immediate	Dispersed/Patchy	Moderate	Occurring	14	Water Management	Drainage
				Agricultural and Forestry Effluents	Soil Erosion and Sedimentation	Severe	Reversible with difficulty	Immediate	Pervasive	Moderate	Occurring	16	Wetland Modification