

Common Name Redhead  
 Scientific Name *Aythya americana*

Federal Status  
 SGCN States DE, IA, LA, ND, NV, SC, TX, VA, WA, WI, WY

See the Data Download page for information regarding modeling variables and species modeling regions.

## Modeling Variables

Season	Summer					Winter					
Species Modeling Region	NW	UM	NE	SW	GP	NW	UM	NE	SW	GP	SE
Human Impact Avoidance											
Elevation											
Minimum											
Maximum											
Hydrographic Information											
Uses flowing water	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Into	500	500	500	500	500	500	500	500	500	500	500
From	30	30	30	30	30	30	30	30	30	30	30
Uses open / standing water	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Into	500	500	500	500	500	500	500	500	500	500	500
From	30	30	30	30	30	30	30	30	30	30	30
Uses wet vegetation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Into	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
From	30	30	30	30	30	30	30	30	30	30	30
Salinity	All Types	All Types	All Types	All Types	All Types	All Types	All Types	All Types	All Types	All Types	All Types
Velocity	Slow Only	Slow Only	Slow Only	Slow Only	Slow Only	Slow Only	Slow Only	Slow Only	Slow Only	Slow Only	Slow Only
Land Cover											
Contiguous patch	No	No	No	No	No	No	No	No	No	No	No
Minimum size											
Edge type usage											
Ecotone width											
Forest interior usage											
Distance from edge											

GP = Great Plains NE = Northeast NW = Northwest SE = Southeast SW = Southwest UM = Upper Midwest NR = No Restrictions

Modeling Map Units

Common Name    Redhead

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	Summer					Winter					
	NW	UM	NE	SW	GP	NW	UM	NE	SW	GP	SE
1402 - Cultivated Cropland				1					1		
2102 - Open Water (Fresh)	1	1	1	1	1	1	1	1	1	1	1
2103 - Open Water (Brackish/Salt)	1		1	1	1	1		1	1	1	1
2104 - Open Water (Aquaculture)	1		1	1					1		1
3108 - Unconsolidated Shore (Lake/River/Pond)						1					1
3109 - Unconsolidated Shore (Beach/Dune)						1					1
3110 - Unconsolidated Shore						1					1
3203 - Western Great Plains Cliff and Outcrop	1										
3402 - Temperate Pacific Freshwater Mudflat						1					
3405 - North American Warm Desert Playa				1					1		
3407 - Inter-Mountain Basins Playa	1			1		1			1		
7305 - Inter-Mountain Basins Semi-Desert Grassland	1										
7306 - Northwestern Great Plains Mixedgrass Prairie	1										
9101 - Acadian Salt Marsh and Estuary Systems			1					1			
9102 - North Pacific Maritime Eelgrass Bed						1					
9103 - Atlantic Coastal Plain Central Salt and Brackish Tidal Marsh											1
9104 - Atlantic Coastal Plain Indian River Lagoon Tidal Marsh											1
9105 - Atlantic Coastal Plain Embayed Region Tidal Salt and Brackish Marsh								1			1
9106 - Mississippi Sound Salt and Brackish Tidal Marsh											1
9107 - Mediterranean California Eelgrass Bed				1					1		
9108 - Temperate Pacific Tidal Salt and Brackish Marsh				1		1			1		
9109 - Atlantic Coastal Plain Northern Tidal Salt Marsh								1			1
9110 - Florida Big Bend Salt-Brackish Tidal Marsh											1
9208 - Southern Coastal Plain Seepage Swamp and Baygall											1
9209 - West Gulf Coastal Plain Seepage Swamp and Baygall										1	1
9213 - Gulf and Atlantic Coastal Plain Swamp Systems								1			
9214 - Laurentian-Acadian Swamp Systems		1	1				1	1			
9215 - Atlantic Coastal Plain Large Natural Lakeshore											1
9216 - North Pacific Shrub Swamp	1			1		1			1		
9218 - Atlantic Coastal Plain Southern Tidal Wooded Swamp								1			1
9219 - South Florida Everglades Sawgrass Marsh											1
9220 - Gulf and Atlantic Coastal Plain Tidal Marsh Systems								1			1
9221 - Great Lakes Coastal Marsh Systems		1					1	1			
9223 - Floridian Highlands Freshwater Marsh											1
9224 - Laurentian-Acadian Shrub-Herbaceous Wetland Systems		1	1				1	1			
9225 - Temperate Pacific Freshwater Aquatic Bed	1										
9227 - North American Arid West Emergent Marsh	1			1	1	1			1		
9228 - Temperate Pacific Freshwater Emergent Marsh				1		1			1		
9229 - Great Lakes Freshwater Estuary and Delta		1					1	1			
9230 - Atlantic Coastal Plain Embayed Region Tidal Freshwater Marsh								1			1
9232 - Florida Big Bend Fresh-Oligohaline Tidal Marsh											1
9233 - Atlantic Coastal Plain Northern Fresh and Oligohaline Tidal Marsh								1			1
9234 - Northern Great Lakes Coastal Marsh		1					1	1			
9235 - Atlantic Coastal Plain Northern Tidal Wooded Swamp								1			
9240 - Northern Atlantic Coastal Plain Basin Swamp and Wet Hardwood Forest								1			
9242 - Laurentian-Acadian Freshwater Marsh		1	1				1	1			
9243 - Atlantic Coastal Plain Central Fresh-Oligohaline Tidal Marsh											1
9301 - Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Taxodium/Nyssa Modifier								1			
9302 - Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Oak Dominated Modifier								1			
9304 - Northern Rocky Mountain Conifer Swamp	1										
9306 - North Pacific Hardwood-Conifer Swamp	1										
9308 - Laurentian-Acadian Alkaline Conifer-Hardwood Swamp		1	1				1	1			
9402 - Great Lakes Wooded Dune and Swale		1					1				

1 = Primary Map Unit    2 = Auxiliary Map Unit    GP = Great Plains    NE = Northeast    NW = Northwest    SE = Southeast    SW = Southwest    UM = Upper Midwest

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	Summer					Winter					
	NW	UM	NE	SW	GP	NW	UM	NE	SW	GP	SE
9403 - Inter-Mountain Basins Interdunal Swale Wetland	1										
9501 - Boreal Acidic Peatland Systems		1					1				
9502 - North Pacific Bog and Fen	1										
9503 - Rocky Mountain Subalpine-Montane Fen				1	1				1		
9504 - Mediterranean California Subalpine-Montane Fen	1			1					1		
9505 - Mediterranean California Serpentine Fen	1										
9605 - Eastern Great Plains Wet Meadow, Prairie, and Marsh		1			1		1				
9606 - Rocky Mountain Alpine-Montane Wet Meadow				1	1				1		
9607 - Willamette Valley Wet Prairie	1										
9608 - Temperate Pacific Montane Wet Meadow	1			1					1		
9609 - Columbia Plateau Silver Sagebrush Seasonally Flooded Shrub-Steppe	1										
9705 - Great Plains Prairie Pothole	1				1	1					
9706 - Western Great Plains Depressional Wetland Systems		1		1	1		1		1		
9707 - Western Great Plains Open Freshwater Depression Wetland	1	1		1	1		1		1		
9709 - Northern California Claypan Vernal Pool	1										
9710 - Western Great Plains Closed Depression Wetland	1	1		1	1		1		1		
9711 - Western Great Plains Saline Depression Wetland	1	1		1	1		1		1		
9713 - East Gulf Coastal Plain Southern Depression Pondshore											1
9714 - Inter-Mountain Basins Alkaline Closed Depression	1			1	1				1		
9717 - Mississippi River Bottomland Depression		1					1				
9809 - California Central Valley Riparian Woodland and Shrubland				1					1		
9814 - Western Great Plains Floodplain Systems		1			1		1				
9817 - Eastern Great Plains Floodplain Systems		1			1		1				
9820 - Laurentian-Acadian Floodplain Systems		1	1				1				
9823 - Western Great Plains Floodplain		1		1	1		1		1		
9824 - Northern Rocky Mountain Lower Montane Riparian Woodland and Shrubland				1	1				1		
9825 - Rocky Mountain Lower Montane Riparian Woodland and Shrubland				1					1		
9826 - Northwestern Great Plains Floodplain		1			1		1				
9830 - Great Basin Foothill and Lower Montane Riparian Woodland and Shrubland	1										
9831 - Columbia Basin Foothill Riparian Woodland and Shrubland	1			1					1		
9832 - Rocky Mountain Subalpine-Montane Riparian Woodland	1										
9833 - North American Warm Desert Lower Montane Riparian Woodland and Shrubland				1					1		
9834 - North American Warm Desert Riparian Mesquite Bosque				1					1		
9835 - North American Warm Desert Riparian Woodland and Shrubland				1	1				1		
9836 - Mississippi River Low Floodplain (Bottomland) Forest		1					1				
9848 - Western Great Plains Riparian Woodland and Shrubland	1	1		1	1		1		1		
9858 - Ozark-Ouachita Riparian		1					1				
9914 - North-Central Interior Wet Flatwoods		1					1				
9915 - Lower Mississippi River Flatwoods		1					1				