





Species Modeling Report

Great Egret

Ardea alba

Taxa: Avian Order: Ciconiiformes

Family: Ardeidae

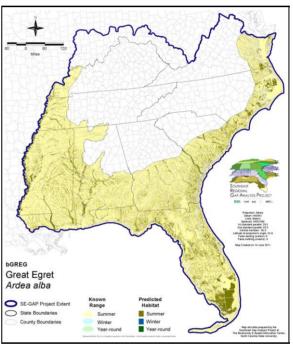
SE-GAP Spp Code: **bGREG** ITIS Species Code: 174810

NatureServe Element Code: ABNGA04040

KNOWN RANGE:

Great Egret Ardea alba

PREDICTED HABITAT:



Range Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE Range bGREG.pdf Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_bGREG.pdf

GAP Online Tool Link: http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=bGREG

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bGREG_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: AR (M), AR (M), AZ (WSC), CA (None), CT (T), CT (T), ID (P), ID (P), IL (RT), IN (SSC), IN (SSC), KY (T), NJ (S/S), NV (YES), NY (PB), OH (SC), PA (PE), RI (Concern), TN (D), UT (None), VA (SC), WA (M), WA (M), WI (THR), WI (THR), BC (8 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AK (SNA), AL (S4), AR (S2S3B), AR (S2S3B), AZ (S1B,S4N), CA (S4), CO (S1B), CT (S1B), CT (S1B), DC (S4N), DE (S1B), FL (S4), GA (S4), IA (S3B,S4N), ID (S1B), ID (S1B), IL (S3), IN (S1B), IN (S1B), KS (S2B,S3N), KY (S2B), LA (\$4N,\$5B), MA (\$2B,\$4N), MD (\$4B), ME (\$1?B,\$3N), MI (\$2), MN (\$NRB), MO (\$3), MS (\$5B), MS (\$5B), MT (\$NA), NC (S4B,S4N), ND (SNA), NE (SNRN), NH (SNA), NJ (S4B), NM (S3B,S4N), NV (S4B), NY (S2), OH (S1), OK (S4B), OR (S3), PA (S1B), RI (S1B), SC (SNRB,SNRN), SD (S3B), SD (S3B), TN (S2B,S3N), TX (S5B), UT (SNA), VA (S2S3B,S3N), VT (S2N), WA (S3B), WA (S3B), WI (S2B), WI (S2B), WV (S1N), WY (SNA), AB (SNA), BC (SNA), LB (SNA), MB (S2S3B), MB (S2S3B), NB (SNA), NF (SNA), NS (SNA), ON (S2B), ON (S2B), PE (SNA), QC (S3B), SK (SNA), SK (SNA), YT (SNA)

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SUMMARY OF PREDICTED HABITAT BY MANAGMENT AND GAP PROTECTION STATUS:

	l	JS FWS	US Forest Service		Tenn. Valley Author.		US DOD/ACOE	
	ha	%	ha	%	ha	%	ha	%
Status 1	134,312.3	1	5,380.4	< 1	0.0	0	0.0	0
Status 2	189,550.4	2	25,880.4	< 1	0.0	0	524.5	< 1
Status 3	1,406.9	< 1	255,245.6	2	2,830.2	< 1	118,725.4	1
Status 4	27.2	< 1	< 0.1	< 1	0.0	0	17.1	< 1
Total	325,296.8	3	286,506.5	2	2,830.2	< 1	119,267.0	1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	366,507.2	3	956.7	< 1	11,421.8	< 1
Status 2	0.0	0	26,567.0	< 1	39,986.3	< 1	33.7	< 1
Status 3	16,008.7	< 1	239,232.6	2	0.0	0	1,147.2	< 1
Status 4	0.0	0	1.0	< 1	0.0	0	0.0	0
Total	16,008.7	< 1	632,308.7	5	40,943.0	< 1	12,602.7	< 1
	Native Am.	Reserv.	State Park/His	st. Park	State WMA/Gar	meland	State	e Forest
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	147.5	< 1	0.0	0	0.0	0
Status 2	0.0	0	756.5	< 1	664,534.1	6	0.0	0
Status 3	1,749.2	< 1	428,951.6	4	95,685.5	< 1	115,757.7	< 1
Status 4	0.0	0	< 0.1	< 1	8,467.5	< 1	5.4	< 1
Total	1,749.2	<1	429,855.8	4	768,687.0	7	115,763.1	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	2,290.3	< 1	0.0	0	0.0	0
Status 2	35,526.9	< 1	54,587.6	< 1	0.0	0	1,559.8	< 1
Status 3	0.0	0	15,090.2	< 1	6,530.2	< 1	68,123.0	< 1
Status 4	0.0	0	0.0	0	197.0	< 1	0.0	0
Total	35,526.9	< 1	71,968.1	< 1	6,727.2	< 1	69,682.8	< 1
·	Private Land - I	No Res.		Water			Overa	ıll Total
	ha	%	ha	%			ha	%
Status 1	0.0	< 1	0.0	0			521,016.4	4
Status 2	0.8	< 1	0.0	7			1,039,508.1	9
Status 3	580.1	< 1	< 0.1	< 1			1,367,064.2	14
Status 4	8,481,393.6	72	68,755.0	< 1			8,567,305.1	73
Total	8,481,974.7	72	68,755.1	< 1			11,494,893.8	100

GAP Status 1: An area having permanent protection from conversion of natural land cover and a mandated management plan in operation to maintain a natural state within which disturbance events (of natural type, frequency, and intensity) are allowed to proceed without interference or are mimicked through management.

GAP Status 2: An area having permanent protection from conversion of natural land cover and a mandated management plan in operation to maintain a primarily natural state, but which may receive use or management practices that degrade the quality of existing natural communities.

GAP Status 3: An area having permanent protection from conversion of natural land cover for the majority of the area, but subject to extractive uses of either a broad, low-intensity type or localized intense type. It also confers protection to federally listed endangered and threatened species throughout the area.

GAP Status 4: Lack of irrevocable easement or mandate to prevent conversion of natural habitat types to anthropogenic habitat types. Allows for intensive use throughout the tract. Also includes those tracts for which the existence of such restrictions or sufficient information to establish a higher status is unknown.

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PREDICTED HABITAT MODEL(S):

Summer Model:

Habitat Description: Nests colonially within woody vegetation, shrubs, trees over water and on islands located in and around

lakes, ponds, marshes, estuaries, & impoundments. Uses both freshwater and marine-estuarine habitats. Forages in a wide variety of wetland habitats including marshes, swamps, streams, rivers, ponds, lakes, impoundments lagoons, tidal flats, canals, ditches etc... Also feeds in flooded ag fields and some upland

habitats (McCrimmon et al. 2001, Stevenson and Anderson 1994). M. Rubino, 11nov04.

Hydrography Mask:

Utilizes flowing water features with buffers of unlimited from and 30m into selected water features.

Utilizes open water features with buffers of unlimited from and 30m into selected water features.

Utilizes wet vegetation features with buffer of unlimited into selected vegetation features.

Functional Group	Map Unit Name	
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Central Salt and Brackish Tidal Marsh	
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Embayed Region Tidal Salt and Brackish Marsh	
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Indian River Lagoon Tidal Marsh	
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Northern Sea-Level Fen	
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Northern Tidal Salt Marsh	
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Northern Tidal Wooded Swamp	
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Southern Tidal Wooded Swamp	
Brackish Tidal Marsh & Wetland	East Gulf Coastal Plain Tidal Wooded Swamp	
Brackish Tidal Marsh & Wetland	Florida Big Bend Salt-Brackish Tidal Marsh	
Brackish Tidal Marsh & Wetland	Mississippi Sound Salt and Brackish Tidal Marsh	
Brackish Tidal Marsh & Wetland	South Florida Everglades Sawgrass Marsh	
Brackish Tidal Marsh & Wetland	South Florida Mangrove Swamp	
Brackish Tidal Marsh & Wetland	Southwest Florida Perched Barriers Salt Swamp and Lagoon - Mangrove Modifier	
Brackish Tidal Marsh & Wetland	Southwest Florida Perched Barriers Salt Swamp and Lagoon - Marsh Modifier	
Coastal Dune & Freshwater Wetland	Atlantic and Gulf Coastal Plain Interdunal Wetland	
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Central Fresh-Oligohaline Tidal Marsh	
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Embayed Region Tidal Freshwater Marsh	
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Northern Fresh and Oligohaline Tidal Marsh	
Freshwater Tidal Marsh & Wetland	Florida Big Bend Fresh-Oligohaline Tidal Marsh	
Water	Open Water (Aquaculture)	
Water	Open Water (Brackish/Salt)	
Water	Open Water (Fresh)	
Wetlands	Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Forest Modifier	
Wetlands	Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Herbaceous Modifier	
Wetlands	Atlantic Coastal Plain Brownwater Stream Floodplain Forest	
Wetlands	Atlantic Coastal Plain Clay-Based Carolina Bay Forested Wetland	
Wetlands	Atlantic Coastal Plain Clay-Based Carolina Bay Herbaceous Wetland	
Wetlands	Atlantic Coastal Plain Depression Pondshore	
Wetlands	Atlantic Coastal Plain Large Natural Lakeshore	
Wetlands	Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Taxodium/Nyssa Modifier	
Wetlands	Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Oak Dominated Modifier	
Wetlands	Atlantic Coastal Plain Northern Basin Peat Swamp	
Wetlands	Atlantic Coastal Plain Northern Basin Swamp and Wet Hardwood Forest	
Wetlands	Atlantic Coastal Plain Northern Pondshore	
Wetlands	Atlantic Coastal Plain Peatland Pocosin	
Wetlands	Atlantic Coastal Plain Sandhill Seep	
Wetlands	Atlantic Coastal Plain Small Blackwater River Floodplain Forest	
Wetlands	Atlantic Coastal Plain Small Brownwater River Floodplain Forest	
Wetlands	Atlantic Coastal Plain Streamhead Seepage Swamp, Pocosin, and Baygall	
Wetlands	Atlantic Coastal Plain Xeric River Dune	

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Wetlands Central Appalachian Floodplain - Herbaceous Modifier Wetlands Central Appalachian Riparian - Forest Modifier Wetlands Central Appalachian Riparian - Herbaceous Modifier Wetlands Central Florida Herbaceous Pondshore Wetlands Central Florida Herbaceous Seep Wetlands Central Interior Highlands and Appalachian Sinkhole and Depression Pond Wetlands Cumberland Riverscour East Gulf Coastal Plain Interior Shrub Bog Wetlands East Gulf Coastal Plain Large River Floodplain Forest - Forest Modifier Wetlands Wetlands East Gulf Coastal Plain Large River Floodplain Forest - Herbaceous Modifier Wetlands East Gulf Coastal Plain Northern Depression Pondshore Wetlands East Gulf Coastal Plain Northern Seepage Swamp Wetlands East Gulf Coastal Plain Small Stream and River Floodplain Forest Wetlands East Gulf Coastal Plain Southern Depression Pondshore Wetlands Floridian Highlands Freshwater Marsh Wetlands Lower Mississippi River Bottomland and Floodplain Forest Wetlands Lower Mississippi River Bottomland Depressions - Forest Modifier Wetlands Lower Mississippi River Bottomland Depressions - Herbaceous Modifier Wetlands Mississippi River Low Floodplain (Bottomland) Forest Mississippi River Riparian Forest Wetlands Wetlands North-Central Appalachian Acidic Swamp Wetlands North-Central Appalachian Seepage Fen Wetlands North-Central Interior and Appalachian Rich Swamp Wetlands South Florida Bayhead Swamp Wetlands South Florida Cypress Dome Wetlands South Florida Freshwater Slough and Gator Hole Wetlands South Florida Pond-Apple/Popash Slough Wetlands South Florida Willow Head Wetlands South-Central Interior Large Floodplain - Forest Modifier Wetlands South-Central Interior Large Floodplain - Herbaceous Modifier Wetlands South-Central Interior Small Stream and Riparian Wetlands Southern and Central Appalachian Bog and Fen Wetlands Southern Appalachian Seepage Wetland Wetlands Southern Coastal Plain Blackwater River Floodplain Forest Wetlands Southern Coastal Plain Herbaceous Seepage Bog Wetlands Southern Coastal Plain Hydric Hammock Wetlands Southern Coastal Plain Nonriverine Basin Swamp Wetlands Southern Coastal Plain Nonriverine Cypress Dome Wetlands Southern Coastal Plain Seepage Swamp and Baygall Wetlands Southern Coastal Plain Spring-run Stream Aquatic Vegetation Wetlands Southern Piedmont Large Floodplain Forest - Forest Modifier Wetlands Southern Piedmont Large Floodplain Forest - Herbaceous Modifier Wetlands Southern Piedmont Seepage Wetland Wetlands Southern Piedmont Small Floodplain and Riparian Forest Wetlands Southern Piedmont/Ridge and Valley Upland Depression Swamp Wetlands Unconsolidated Shore (Lake/River/Pond)

Wetlands

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