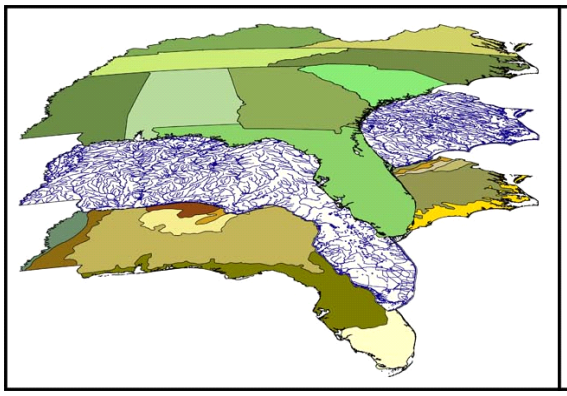


SOUTHEAST GAP ANALYSIS PROJECT

Species Modeling Report

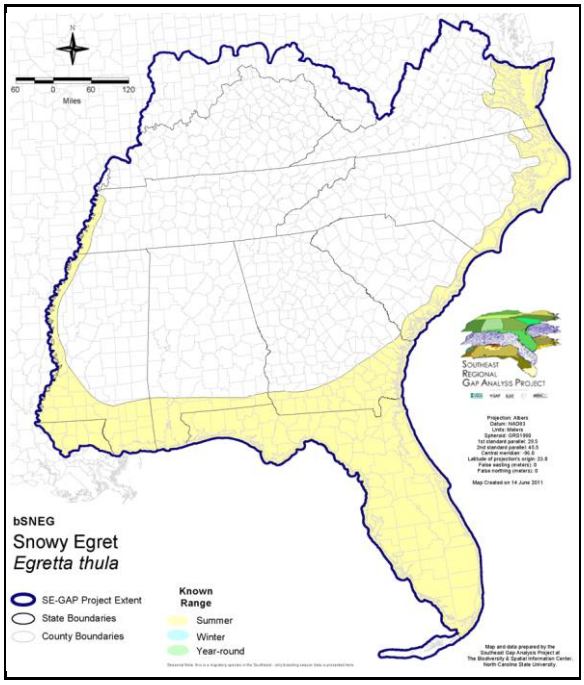
Snowy Egret

Egretta thula

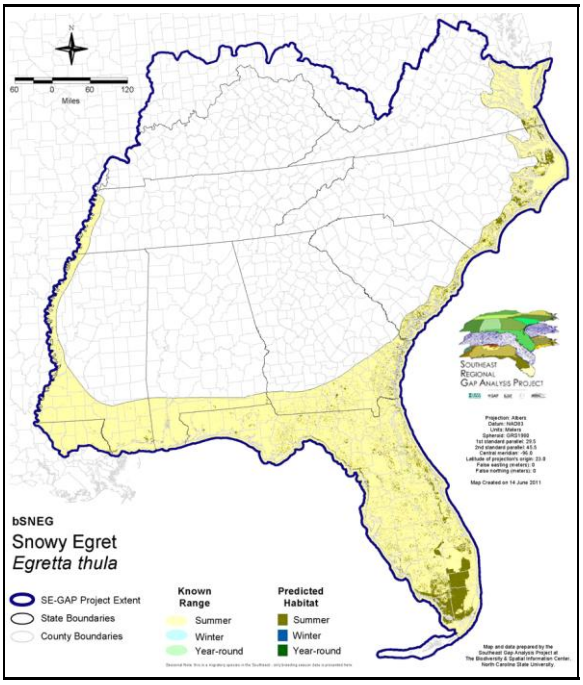
Taxa: Avian
Order: Ciconiiformes
Family: Ardeidae

SE-GAP Spp Code: **bSNEG**
ITIS Species Code: 174813
NatureServe Element Code: ABNGA06030

KNOWN RANGE:



PREDICTED HABITAT:



Range Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_bSNEG.pdf
Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_bSNEG.pdf
GAP Online Tool Link: http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=bSNEG
Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bSNEG_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: AR (W), AZ (WSC), CA (None), CT (T), CT (T), FL (SSC), ID (P), ID (P), IL (LE), KY (E), KY (E), MO (E), NC (SC), NJ (SC/S), NV (YES), NY (PB), OH (E), OR (SV), RI (Concern), UT (None), WI (END), WI (END), BC (8 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AK (SNA), AL (S4), AR (S2B), AZ (S1B,S4N), CA (S4), CO (S2B), CO (S2B), CT (S1B), CT (S1B), DC (S2N), DE (S1B), FL (S3), GA (S4), IA (S2N), ID (S2B), ID (S2B), IL (S1), IN (SNA), KS (S1B,S3N), KY (S1B), KY (S1B), LA (S4N,S5B), MA (S2B,S4N), MD (S3S4B), ME (S3B), MI (SNRN), MN (SNA), MN (SNA), MO (S2), MS (S4B,S1N), MT (SNA), MT (SNA), NC (S3B,S3N), ND (SNA), NE (SNRN), NH (SNA), NJ (S3B,S4N), NM (S3B,S4N), NV (S4B), NY (S2S3), OH (S1), OK (S5B), OR (S2B), PA (SNA), RI (S1B), SC (SNRB,SNRN), SD (S2B), SD (S2B), TN (S2B,S3N), TX (S5B), UT (S4S5B), VA (S2B,S3N), VT (SNA), WA (SNA), WI (S1B), WI (S1B), WV (SNA), WY (S3B), WY (S3B), AB (SNA), BC (SNA), LB (SNA), MB (SNA), NB (SNA), NF (SNA), NS (SNA), ON (SNA), PE (SNA), QC (S3N), SK (S1B)

SUMMARY OF PREDICTED HABITAT BY MANAGMENT AND GAP PROTECTION STATUS:

	US FWS		US Forest Service		Tenn. Valley Author.		US DOD/ACOE	
	ha	%	ha	%	ha	%	ha	%
Status 1	76,620.5	2	3,056.4	< 1	0.0	0	0.0	0
Status 2	86,218.2	3	5,052.4	< 1	0.0	0	0.0	0
Status 3	1,324.4	< 1	92,538.2	3	0.0	0	43,761.2	1
Status 4	4.3	< 1	0.0	0	0.0	0	12.1	< 1
Total	164,167.4	5	100,647.0	3	0.0	0	43,773.2	1

	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	352,412.9	10	956.7	< 1	5,738.2	< 1
Status 2	0.0	0	24,518.4	< 1	38,609.0	1	30.2	< 1
Status 3	0.0	0	152,584.6	4	0.0	0	13.1	< 1
Status 4	0.0	0	1.0	0	0.0	0	0.0	0
Total	0.0	0	529,517.8	15	39,565.7	1	5,781.5	< 1

	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	30.7	< 1	0.0	0	0.0	0
Status 2	0.0	0	176.9	< 1	413,577.4	12	0.0	0
Status 3	0.0	0	194,583.1	6	44,294.0	1	37,416.0	1
Status 4	0.0	0	0.0	0	777.3	< 1	0.0	0
Total	0.0	0	194,790.6	6	458,648.6	13	37,416.0	1

	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	437.3	< 1	0.0	0	0.0	0
Status 2	32,017.8	< 1	25,786.2	< 1	0.0	0	576.8	< 1
Status 3	0.0	0	5,200.8	< 1	2,639.0	< 1	20,230.2	< 1
Status 4	0.0	0	0.0	0	37.3	< 1	0.0	0
Total	32,017.8	< 1	31,424.3	< 1	2,676.2	< 1	20,807.0	< 1

	Private Land - No Res.		Water		Overall Total	
	ha	%	ha	%	ha	%
Status 1	0.0	5	0.0	0	439,252.9	13
Status 2	0.8	< 1	0.0	2	626,564.1	18
Status 3	142.5	< 1	< 0.1	< 1	594,726.9	20
Status 4	1,638,781.8	48	46,131.7	1	1,686,519.4	49
Total	1,638,925.3	48	46,131.8	1	3,347,063.3	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.

PREDICTED HABITAT MODEL(S):

Summer Model:

Habitat Description: Nests colonially in shrub or tree thickets on islands, lake margins, or in swamps near water; almost always with flocks of other waders (Hamel 1992). Prefer shallow estuarine sites for feeding including salt marsh pools, tidal channels, shallow bays, and mangroves (Parsons and Master 2000, Hamel 1992). 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.

Selected Map Units:

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 - Herbaceous Modifier
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 Pondshore
Wetlands	Atlantic Coastal Plain Peatland Pocosin
Wetlands	Atlantic Coastal Plain Streamhead Seepage Swamp, Pocosin, and Baygall
Wetlands	Central Florida Herbaceous Pondshore
Wetlands	East Gulf Coastal Plain Large River Floodplain Forest - Herbaceous Modifier
Wetlands	East Gulf Coastal Plain Northern Depression Pondshore
Wetlands	East Gulf Coastal Plain Southern Depression Pondshore
Wetlands	Floridian Highlands Freshwater Marsh
Wetlands	Lower Mississippi River Bottomland Depressions - Herbaceous Modifier
Wetlands	South Florida Bayhead Swamp
Wetlands	South Florida Freshwater Slough and Gator Hole
Wetlands	South Florida Pond-Apple/Popash Slough

Wetlands	Southern Coastal Plain Nonriverine Basin Swamp
Wetlands	Southern Coastal Plain Seepage Swamp and Baygall
Wetlands	Southern Coastal Plain Spring-run Stream Aquatic Vegetation
Wetlands	Unconsolidated Shore (Lake/River/Pond)

CITATIONS:

American Ornithologists' Union (AOU), Committee on Classification and Nomenclature. 1983. Check-list of North American Birds. Sixth Edition. American Ornithologists' Union, Allen Press, Inc., Lawrence, Kansas.

Ehrlich, P.R., D.S. Dobkin, and D. Wheye. 1988. The birder's handbook:a field guide to the natural history of North American birds. Simon and Shuster, Inc., New York. xxx + 785 pp.

Findholt, S. L. 1984. Organochlorine residues, eggshell thickness, and reproductive success of snowy egrets nesting in Idaho. Condor 86:163-169.

Fleury, B. E., and T. W. Sherry. 1995. Long-term population trends of colonial wading birds in the southern United States:the impact of crayfish aquaculture on Louisiana populations. Auk 112:613-632.

Fussell, J.O. III. 1994. A birder's guide to coastal North Carolina. Chapel Hill and London: The University of North Carolina Press.

Hamel, P. B. 1992. The land manager's guide to the birds of the south. The Nature Conservancy, Chapel Hill, North Carolina. 367 pp + several appendices.

Hilty, S.L., and W.L. Brown. 1986. A guide to the birds of Colombia. Princeton University Press, Princeton, New Jersey. 836 pp.

National Geographic Society (NGS). 1983. Field guide to the birds of North America. National Geographic Society, Washington, D.C.

Palmer, R. S. (editor). 1962. Handbook of North American birds. Vol. 1. Loons through flamingos. Yale University Press, New Haven. 567 pp.

Parsons, K.C. and T.L. Master. 2000. Snowy egret (Egretta thula). In A. Poole and F. Gill, eds., The Birds of North America, No. 489. The Academy of Natural Sciences, Philadelphia and The American Ornithologists' Union, Washington, DC.

Payne, R. B., and C. J. Risley. 1976. Systematics and evolutionary relationships among the herons (Ardeidae). Univ. Michigan Mus. Zool., Misc. Publ. No. 150. 115 pp.

Powell, G. V. N. 1987. Habitat use by wading birds in a subtropical estuary:implications of hydrography. Auk 104:740-749.

Pratt, H.D., P.L. Bruner, and D.G. Berrett. 1987. A field guide to the birds of Hawaii and the tropical Pacific. Princeton University Press, Princeton, New Jersey. 409 pp. + 45 plates.

Root, T. 1988. Atlas of wintering North American birds:An analysis of Christmas Bird Count data. University of Chicago Press. 336 pp.

Spendelow, J.A., and S.R. Patton. 1988. National atlas of coastal waterbird colonies in the contiguous United States:1976-1982. U.S. Fish and Wildlife Service, Biological Report 88(5). x + 326 pp.

Stiles, F.G., and A.F. Skutch. 1989. A guide to the birds of Costa Rica. Comstock Publ. Associates, Cornell University Press, Ithaca, New York. 511 pp.

Terres, J.K. 1980. The Audubon Society encyclopedia of North American birds. Alfred A. Knopf, New York.

For more information:: SE-GAP Analysis Project / BaSIC
127 David Clark Labs
Dept. of Biology, NCSU
Raleigh, NC 27695-7617
(919) 513-2853
www.basic.ncsu.edu/segap

Compiled: 15 September 2011

This data was compiled and/or developed by the Southeast GAP Analysis Project at The Biodiversity and Spatial Information Center, North Carolina State University.