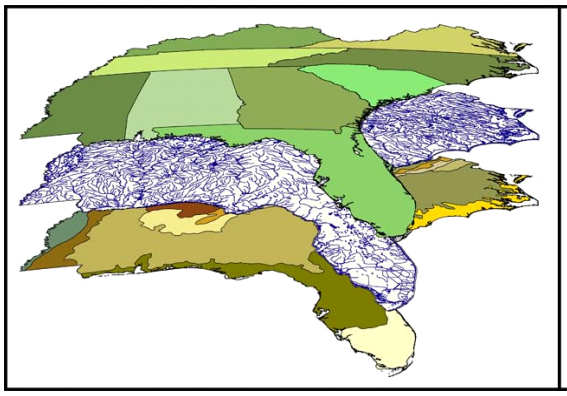


SOUTHEAST GAP ANALYSIS PROJECT

Species Modeling Report

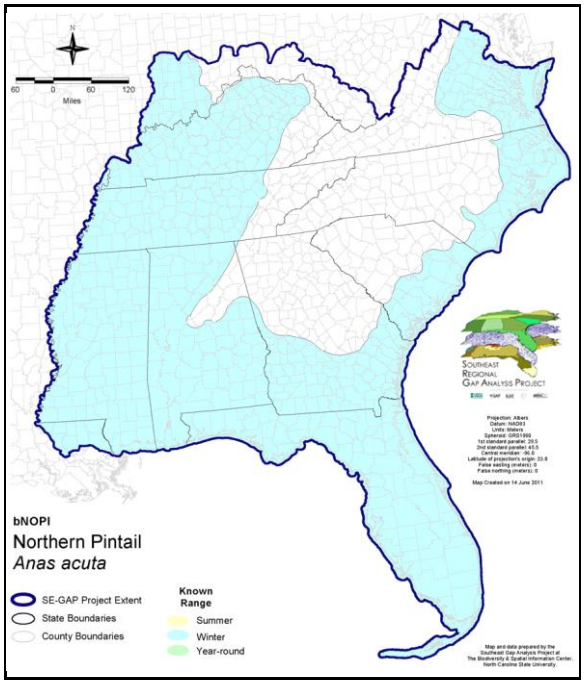
Northern Pintail

Anas acuta

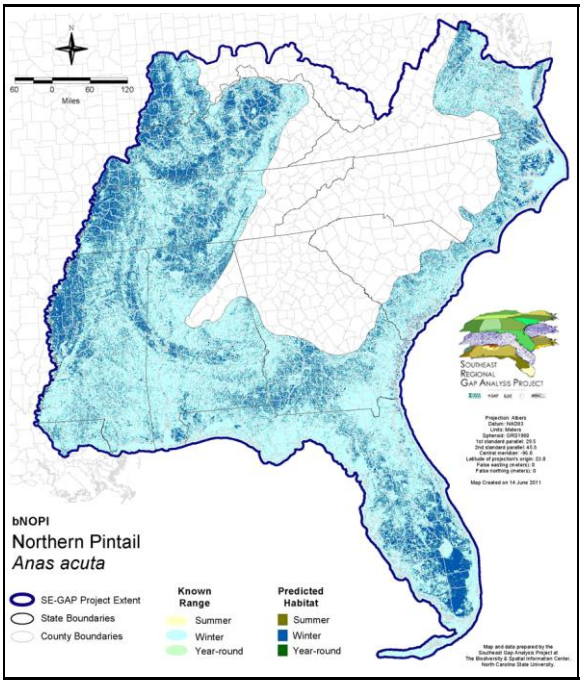
Taxa: Avian
Order: Anseriformes
Family: Anatidae

SE-GAP Spp Code: **bNOPI**
ITIS Species Code: 175074
NatureServe Element Code: ABNJB10110

KNOWN RANGE:



PREDICTED HABITAT:



Range Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_bNOPI.pdf
Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_bNOPI.pdf
GAP Online Tool Link: http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=bNOPI
Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bNOPI_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: AL (GB), ID (G), KY (N), KY (N), ND (Level II), NV (YES), NY (PB - GS), OH (SI), RI (Not Listed), UT (None), WI (SC/M), WI (SC/M), BC (4 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AK (S5B,S5N), AL (S5N), AR (S5N), AZ (S2B,S5N), CA (SNRB,SNRN), CO (S5B,S4N), CT (SNA), DC (S2N), DE (S4N), FL (SNRN), GA (S4), HI (SNRN), IA (S2B,S5N), ID (S5B,S2N), IL (S1), IN (SHB,S1N), IN (SHB,S1N), KS (S1B,S5N), KY (SNA), KY (SNA), LA (S5N), MA (S1B,S5M), MD (S4N), ME (S1B,S3S4N), MI (SNRN), MN (SNRB,SNRN), MO (SNRN,SNRM), MO (SNRN,SNRM), MS (S4N), MT (S5B), MT (S5B), NC (S4N), ND (SNRB), NE (S5), NH (SNA), NJ (SNA), NM (S4B,S5N), NV (S5), NY (S2), OH (SNA), OK (S3S5), OR (S5), PA (S3N), PA (S3N), RI (SNA), SC (SNRN), SD (S5B,S3N), TN (S4N), TX (S3B,S5N), UT (S4S5B,S4N), VA (S1), VT (S1B,S5N), WA (S3B,S4N), WI (S1B), WI (S1B), WV (S4N), WY (S4N,S5B), AB (S5), BC (S4B,S5N), LB (S4B), MB (S4B), MB (S4B), NB (S3B), NF (S3B), NS (S2B), NT (SNRB), NU (SNRB), ON (S5), ON (S5), PE (S4B), QC (S5B), SK (S5B,S5M,S4N), YT (S3B)

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	59,005.3	< 1	676.1	< 1	0.0	0	0.0	0
Status 2	89,426.9	< 1	1,324.2	< 1	0.0	0	118.7	< 1
Status 3	1,139.2	< 1	57,477.6	< 1	4,306.9	< 1	66,137.9	< 1
Status 4	5.0	< 1	0.0	0	0.0	0	12.5	< 1
Total	149,576.3	< 1	59,477.9	< 1	4,306.9	< 1	66,269.1	< 1

	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	188,333.0	< 1	901.9	< 1	5,730.7	< 1
Status 2	0.0	0	23,609.0	< 1	23,963.3	< 1	16.1	< 1
Status 3	0.0	0	123,095.5	< 1	0.0	0	690.7	< 1
Status 4	0.0	0	2.0	< 1	0.0	0	0.0	0
Total	0.0	0	335,040.4	2	24,865.2	< 1	6,437.4	< 1

	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	23.1	< 1	6.2	< 1	0.0	0
Status 2	0.0	0	107.6	< 1	414,426.4	2	< 0.1	< 1
Status 3	930.8	< 1	227,486.2	1	43,143.8	< 1	33,096.2	< 1
Status 4	0.0	0	0.0	0	2,454.1	< 1	< 0.1	< 1
Total	930.8	< 1	227,616.9	1	460,030.6	2	33,096.3	< 1

	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	576.7	< 1	0.0	0	0.0	0
Status 2	28,832.9	< 1	26,322.5	< 1	0.3	< 1	909.6	< 1
Status 3	0.0	0	5,825.9	< 1	2,142.4	< 1	46,122.8	< 1
Status 4	0.0	0	0.0	0	157.1	< 1	< 0.1	< 1
Total	28,832.9	< 1	32,725.1	< 1	2,299.8	< 1	47,032.6	< 1

	Private Land - No Res.		Water		Overall Total	
	ha	%	ha	%	ha	%
Status 1	0.0	8	0.0	0	255,253.1	1
Status 2	0.8	< 1	0.0	8	609,058.5	3
Status 3	129.7	< 1	< 0.1	< 1	611,725.5	3
Status 4	18,479,700.4	92	35,819.9	< 1	18,520,601.2	92
Total	18,479,831.0	92	35,820.2	< 1	19,996,638.4	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):

Winter Model:

Habitat Description: Northern pintail will use a 'variety of shallow inland freshwater and intertidal habitats most of which include large, shallow wetlands with minimal emergent cover. Uses flooded agricultural habitats (especially rice, corn, wheat, soybeans), reservoirs, tidal wetlands, sounds and bays, and estuarine habitats along gulf. Aerial surveys indicate preference for managed units and avoidance of natural tidal areas (saltmarsh bulrush).' Austin and Miller (1995).

Ecosystem classifiers: Fresh & Brackish coastal Wetlands (excluding small patch & treed, open water lakes/Ponds, Depressional (non-treed only), Floodplain/Riparian (herb mod only), Pature/hay and Row Crop. Amy Silvano 01Sept05

Modeling: Do not restrict ag & pasture to hydro buffer. Amy Silvano 20jan06

Customized Model: Will use Fresh, tidal & Esturaine habitats in winter (Austin & Miller 1995). *****Do not restrict AG & Pasture to hydro buffer.

Changed interior flowing and standing buffers from 0m to 60m. Added wet veg buffers 0m and 9999 (unlimited). MJR 30 January 2008.

Hydrography Mask:

Utilizes flowing water features with buffers of 60m from and 60m into selected water features.

Utilizes open water features with buffers of 60m from and 60m into selected water features.

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

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	Pasture/Hay
Anthropogenic	Row Crop
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 Tidal Salt 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	Southwest Florida Perched Barriers Salt Swamp and Lagoon - Marsh Modifier
Coastal Dune & Freshwater Wetland	Atlantic and Gulf Coastal Plain Interdunal Wetland
Water	Open Water (Brackish/Salt)
Water	Open Water (Fresh)
Wetlands	Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Herbaceous Modifier
Wetlands	Atlantic Coastal Plain Depression Pondshore
Wetlands	Atlantic Coastal Plain Large Natural Lakeshore
Wetlands	Atlantic Coastal Plain Northern Pondshore
Wetlands	Atlantic Coastal Plain Peatland Pocosin
Wetlands	Atlantic Coastal Plain Xeric River Dune
Wetlands	Central Appalachian Floodplain - Herbaceous Modifier
Wetlands	Central Appalachian Riparian - Herbaceous Modifier
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 Pond-Apple/Popash Slough
Wetlands	South-Central Interior Large Floodplain - Herbaceous Modifier
Wetlands	Southern Coastal Plain Seepage Swamp and Baygall
Wetlands	Southern Coastal Plain Spring-run Stream Aquatic Vegetation

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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.