



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

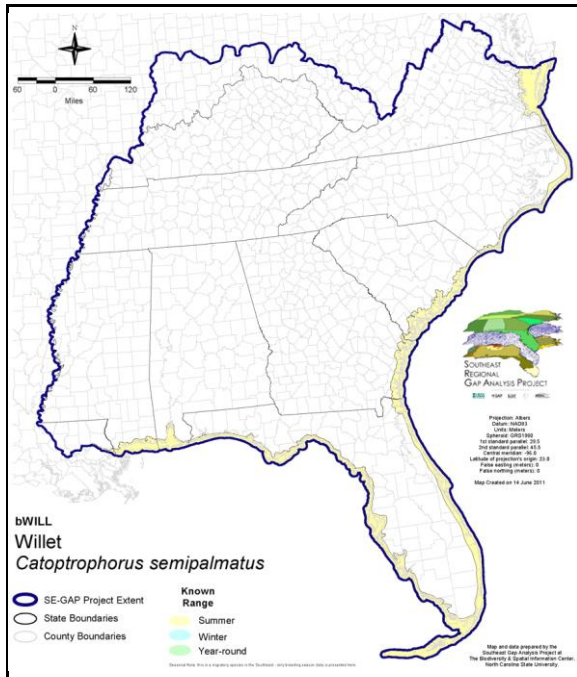
Willet

Catoptrophorus semipalmatus

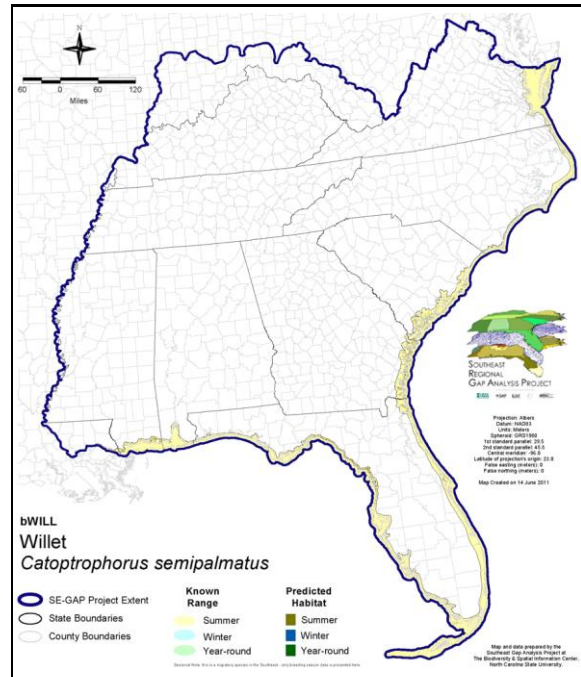
Taxa: Avian
 Order: Charadriiformes
 Family: Scolopacidae

SE-GAP Spp Code: **bWILL**
 ITIS Species Code: 176638
 NatureServe Element Code: ABNNF02010

KNOWN RANGE:



PREDICTED HABITAT:



Range Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_bWILL.pdf

Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_bWILL.pdf

GAP Online Tool Link: <http://www.gapservice.ncsu.edu/segap/segap/index2.php?species=bWILL>

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bWILL_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: AR (W), ID (P), ID (P), ND (Level I), NH (SC), NJ (INC/S), NV (YES), NY (PB), RI (Concern), UT (None), BC (8 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AK (SNA), AL (S2B,S5N), AR (SNA), AZ (S4M), CA (SNR), CO (S1B), CO (S1B), CT (S2B), CT (S2B), DC (S2N), DE (S4B), FL (SNR), GA (S5), IA (SNA), ID (S4B), ID (S4B), IL (SNA), IN (SNA), KS (S3N), KY (SNA), LA (S3), MA (S3B,S3N), MD (S3S4B), ME (S3B), MI (SNRN), MN (SXB,SNRM), MN (SXB,SNRM), MO (SNA), MS (S4B,S4N), MT (S5B), MT (S5B), NC (S4B,S4N), ND (SU), NE (S4), NH (S3B), NJ (S4B), NM (S4N), NV (S3B), NY (S3), OH (SNA), OK (S3N), OR (S4), PA (SNA), RI (S1B,S3N), SC (SNR), SD (S5B), SD (S5B), TN (S3N), TX (S5B), UT (S3?B), VA (S4), VT (SNA), WA (S3N), WI (SNA), WY (S4B,S4N), AB (S4), BC (SNA), MB (S4B), MB (S4B), NB (S2S3B), NF (S1B), NF (S1B), NS (S4B), ON (SNA), PE (S4B), QC (S4B), SK (S5B,S4M), YT (SNA)

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 | 32,648.3 | 7 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| Status 2 | 14,935.2 | 3 | 55.2 | < 1 | 0.0 | 0 | 0.0 | 0 |
| Status 3 | 60.8 | < 1 | 317.7 | < 1 | 0.0 | 0 | 6,678.6 | 1 |
| Status 4 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.9 | < 1 |
| Total | 47,644.3 | 10 | 372.9 | < 1 | 0.0 | 0 | 6,679.5 | 1 |
| | US Dept. of Energy | | US Nat. Park Service | | NOAA | | Other Federal Lands | |
| | ha | % | ha | % | ha | % | ha | % |
| Status 1 | 0.0 | 0 | 4,570.6 | < 1 | 670.3 | < 1 | 3,613.9 | < 1 |
| Status 2 | 0.0 | 0 | 24,145.7 | 5 | 20,939.1 | 4 | 0.0 | 0 |
| Status 3 | 0.0 | 0 | 1,365.2 | < 1 | 0.0 | 0 | 0.0 | 0 |
| Status 4 | 0.0 | 0 | 2.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| Total | 0.0 | 0 | 30,083.9 | 6 | 21,609.5 | 4 | 3,613.9 | < 1 |
| | Native Am. Reserv. | | State Park/Hist. Park | | State WMA/Gameland | | State Forest | |
| | ha | % | ha | % | ha | % | ha | % |
| Status 1 | 0.0 | 0 | 1.4 | < 1 | 0.0 | 0 | 0.0 | 0 |
| Status 2 | 0.0 | 0 | 45.5 | < 1 | 35,875.3 | 7 | 0.0 | 0 |
| Status 3 | 0.0 | 0 | 22,207.4 | 5 | 669.2 | < 1 | 1,190.3 | < 1 |
| Status 4 | 0.0 | 0 | 0.0 | 0 | 400.3 | < 1 | 0.0 | 0 |
| Total | 0.0 | 0 | 22,254.3 | 5 | 36,944.7 | 8 | 1,190.3 | < 1 |
| | State Coastal Reserve | | ST Nat.Area/Preserve | | Other State Lands | | Private Cons. Easemt. | |
| | ha | % | ha | % | ha | % | ha | % |
| Status 1 | 0.0 | 0 | 348.5 | < 1 | 0.0 | 0 | 0.0 | 0 |
| Status 2 | 20,918.6 | 4 | 14,787.7 | 3 | 0.0 | 0 | 0.0 | 0 |
| Status 3 | 0.0 | 0 | 619.4 | < 1 | 0.0 | 0 | 261.5 | < 1 |
| Status 4 | 0.0 | 0 | 0.0 | 0 | 4.4 | < 1 | 0.0 | 0 |
| Total | 20,918.6 | 4 | 15,755.6 | 3 | 4.4 | < 1 | 261.5 | < 1 |
| | Private Land - No Res. | | Water | | Overall Total | | | |
| | ha | % | ha | % | ha | % | | |
| Status 1 | 0.0 | 3 | 0.0 | 0 | 41,853.2 | 9 | | |
| Status 2 | 0.8 | < 1 | 0.0 | 3 | 131,703.3 | 27 | | |
| Status 3 | 96.1 | < 1 | 0.0 | 0 | 33,466.2 | 7 | | |
| Status 4 | 269,543.7 | 56 | 7,383.2 | 2 | 277,735.3 | 57 | | |
| Total | 269,640.8 | 56 | 7,383.4 | 2 | 484,758.0 | 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: Breeds most commonly on salt marshes, barrier islands, and barrier beaches. Forages in oysterbeds and mudflats, sparsely vegetated saltmarsh habitats, along tidal creeks, and beaches (Lowther et al. 2001). M. Rubino, 29dec04.

NOTE: 47th supplement to the AOU checklist now lists this species as *Tringa semipalmata*.

Hydrography Mask:

Brackish/Saltwater Only

Utilizes open water features with buffers of unlimited 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 |
|--------------------------------|---|
| Beach | Atlantic Coastal Plain Northern Sandy Beach |
| Beach | Atlantic Coastal Plain Sea Island Beach |
| Beach | Atlantic Coastal Plain Southern Beach |
| Beach | Florida Panhandle Beach Vegetation |
| Beach | South Florida Shell Hash Beach |
| Beach | Southeast Florida Beach |
| Beach | Southwest Florida Beach |
| Beach | Unconsolidated Shore (Beach/Dune) |
| 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 | 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 | Southwest Florida Perched Barriers Salt Swamp and Lagoon - Marsh Modifier |
| Water | Open Water (Brackish/Salt) |

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.

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