





Great Horned Owl

Bubo virginianus

Taxa: Avian
Order: Strigiformes

Family: Strigidae

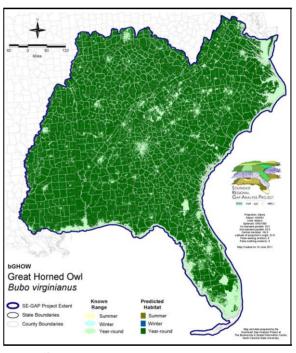
SE-GAP Spp Code: **bGHOW** ITIS Species Code: 177884

NatureServe Element Code: ABNSB05010

KNOWN RANGE:

BGHOW Great Horned Owl Bubo virginianus SE-GAP Project Extent State Boundaries Summer Courty Boundaries Summer Wirder Year-round

PREDICTED HABITAT:



Range Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Range_bGHOW.pdf
Predicted Habitat Map Link: http://www.basic.ncsu.edu/segap/datazip/maps/SE_Dist_bGHOW.pdf
GAP Online Tool Link: http://www.gapserve.ncsu.edu/segap/segap/index2.php?species=bGHOW
Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/bGHOW se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: ID (P), KY (N), NJ (INC/S), NV (YES), NY (PB), RI (Not Listed), UT (None), BC (4 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AK (S5), AL (S5), AR (S5), AZ (S5), CA (SNR), CO (S5), CT (S5), DC (S2), DE (S5), FL (SNR), GA (S5), IA (S5B), ID (S5), IL (S5), IN (S4), KS (S5), KY (S4S5), LA (S4), MA (S5), MD (S5), ME (S5), MI (S5), MN (SNR), MO (S5), MS (S5), MT (S5), ND (SNR), NE (S5), NH (S5), NJ (S5B), NM (S5B,S5N), NV (S5), NY (S5), OH (S5), OK (S5), OR (S5), PA (S5), RI (S4B,S4N), SC (S5), SD (S5), TN (S5), TX (S5B), UT (S4), VA (S5), VT (S5B,S5N), WA (S5), WI (S5B), WV (S4B,S5N), WY (S5B,S5N), AB (S5), BC (S5), LB (S4), MB (S5), NB (S4S5), NF (S4), NS (S5), NT (SNR), NU (SNR), ON (S4), PE (S5), QC (S5B), SK (S5B,S5N), YT (S5B)

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SUMMARY OF PREDICTED HABITAT BY MANAGMENT AND GAP PROTECTION STATUS:

	ι	JS FWS	US Forest	Service	Tenn. Valley	Author.	US DOE)/ACOE
	ha	%	ha	%	ha	%	ha	%
Status 1	108,822.4	< 1	32,706.6	< 1	0.0	0	0.0	0
Status 2	271,202.0	< 1	391,004.7	< 1	0.0	0	5,996.3	< 1
Status 3	4,087.6	< 1	2,850,985.3	3	76,086.7	< 1	798,170.4	< 1
Status 4	113.8	< 1	< 0.1	< 1	0.0	0	66.1	< 1
Total	384,225.8	< 1	3,274,696.7	3	76,086.7	< 1	804,232.8	< 1
	US Dept. of	Energy	US Nat. Park	Service		NOAA	Other Federa	ıl Lands
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	217,340.3	< 1	215.2	< 1	18,388.5	< 1
Status 2	0.0	0	30,929.9	< 1	14,138.8	< 1	60.1	< 1
Status 3	85,325.5	< 1	243,762.8	< 1	0.0	0	6,958.6	< 1
Status 4	0.0	0	1.0	< 1	0.0	0	0.0	0
Total	85,325.5	< 1	492,034.6	< 1	14,354.0	< 1	25,407.3	< 1
1	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,727.5	< 1	82.5	< 1	0.0	0
Status 2	0.0	0	20,356.6	< 1	950,490.6	< 1	1,442.3	< 1
Status 3	21,788.9	< 1	836,090.2	< 1	268,513.8	< 1	457,374.4	< 1
Status 4	0.0	0	< 0.1	< 1	150,721.7	< 1	48.2	< 1
Total	21,788.9	< 1	858,174.3	< 1	1,369,808.7	1	458,864.9	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	16,275.2	< 1	0.0	0	0.0	0
Status 2	15,306.8	< 1	105,862.1	< 1	6.9	< 1	4,645.7	< 1
Status 3	0.0	0	32,187.5	< 1	36,619.1	< 1	181,206.0	< 1
Status 4	0.0	0	2.1	< 1	5,589.5	< 1	< 0.1	< 1
Гotal	15,306.8	<1	154,326.9	<1	42,215.6	< 1	185,851.8	< 1
ĺ	Private Land - I	No Res.		Water			Overa	ıll Total
	ha	%	ha	%			ha	%
Status 1	0.0	0	0.0	0			395,558.3	< 1
Status 2	0.2	< 1	0.0	< 1			1,811,443.1	2
Status 3	1,162.3	< 1	1.1	< 1			5,900,320.3	9
Status 4	84,834,965.3	88	69,901.7	< 1			85,212,018.3	89
Total	84,836,127.7	88	69,903.0	< 1			93,319,340.0	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.

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PREDICTED HABITAT MODEL(S):

Year-round Model:

Habitat Description:

Great horned owls accept a wide variety of habitats including orchards, swamps, marshes, riparian, and partially wooded slopes (Karalus and Eckert 1987). Woodlots are used in suburbs, parks, and cemeteries (Wolfe and de la Torre 1990). They forage inside forests or in adjacent open country, especially weedy fields and marsh. (Hamel 1992). Common elements include a relatively open hunting area with some tall perches present, and sites for nesting and roosting (Johnsgard 1988). In western and middle North Carolina, has been found primarily in dry (Potter et al. 1980) mature forests and edges (Simpson 1992). In the coastal plain, thought to be most common in edge areas between pine or mixed woods and marshes, fields, or clearings (Fussell 1994). They often choose fragmented landscapes, including pasture, croplands and fields as well as forest. They may be absent from heavily urban areas. This owl begins breeding in midwinter, so summer surveys are often too late to confirm nesting (GA). In Florida, pine flatwoods may be preferred. Though they also use mixed hardwood swamps and "other open wooded or forest edge areas". They may require treeless brushlands in proximity of roost areas (Layne et al. 1977), especially those near lakes, rivers and marshes, in hammocks, and in heavily wooded residential areas. In Jacksonville, mainly are found along salt and brackish streams and they forage in woods, adjoining agricultural lands, pastures, prairies, shorelines, parks, etc. (Stevenson and Anderson 1994). They do not inhabit the Florida Keys (Robertson and Kushlan 1984).

Generally, these owls nest in pine woods or mixed woods in uplands (Hamel 1992). They nest in a tree but also in a cliff, ledge or crevice (Wolfe and de la Torre 1990), and occasionally in the bare crotch of a tree, on the ground, in a nest box (Karalus and Eckert 1987), in a tree cavity stump, or cave (Ehrlich et al. 1988). Nest sites in different areas include: in trees in old or usurped nests of other birds (e.g., hawk, crow) or squirrel; tree cavities; stumps; rocky ledges; caves; in barns; and on artificial platforms (NATURE SERVE). There is one report of a pair nesting in the side of an active Bald Eagle nest (Potter et al. 1980). Hunts from perches in fairly open country (Johnsgard 1988, Kaufman 1996).

Quoted directly from existing state habitat notes - K. Cook, 17Feb05

Additional information:

A low estimate of home range size from the study with the largest reported samples size (n= 16 owls) during the breeding season in the Yukon (Rohner 1997) was 230 ha. In Oregon home ranges contained less than 70% old growth forest (Johnson 1993). K. Cook, 17Feb05

Elevation Mask: < 1066m

Avoidance Mask: Medium - moderately intolerant of human disturbance.

Functional Group	Map Unit Name			
Anthropogenic	Low Intensity Developed			
Anthropogenic	Pasture/Hay			
Anthropogenic	Row Crop			
Anthropogenic	Successional Grassland/Herbaceous			
Anthropogenic	Successional Grassland/Herbaceous (Other)			
Anthropogenic	Successional Grassland/Herbaceous (Utility Swath)			
Anthropogenic	Successional Shrub/Scrub (Clear Cut)			
Anthropogenic	Successional Shrub/Scrub (Other)			
Anthropogenic	Successional Shrub/Scrub (Utility Swath)			
Coastal Dune & Freshwater Wetland	Atlantic and Gulf Coastal Plain Interdunal Wetland			
Coastal Dune & Freshwater Wetland	Atlantic Coastal Plain Northern Dune and Maritime Grassland			
Coastal Dune & Freshwater Wetland	Atlantic Coastal Plain Southern Dune and Maritime Grassland			
Coastal Dune & Freshwater Wetland	East Gulf Coastal Plain Dune and Coastal Grassland			
Coastal Dune & Freshwater Wetland	Southwest Florida Dune and Coastal Grassland			
Forest/Woodland	Alabama Ketona Glade and Woodland			
Forest/Woodland	Appalachian Shale Barrens			
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Open Understory Modifier			

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Forest/Woodland
Forest/Woodland
Central Appalachian Alkaline Glade and Woodland
Forest/Woodland
Central Interior Highlands Calcareous Glade and Barrens
Forest/Woodland
Central Interior Highlands Dry Acidic Glade and Barrens

Forest/Woodland Cumberland Sandstone Glade and Barrens

Forest/Woodland East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland - Woodland Modifier

Forest/Woodland East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Open Understory Modifier

Forest/Woodland East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland - Juniper Modifier

Forest/Woodland Nashville Basin Limestone Glade

Forest/Woodland Ridge and Valley Calcareous Valley Bottom Glade and Woodland

Forest/Woodland South Florida Pine Rockland

Forest/Woodland Southeastern Interior Longleaf Pine Woodland

Forest/Woodland Southern and Central Appalachian Mafic Glade and Barrens

Forest/Woodland Southern Piedmont Glade and Barrens

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
Prairie Bluegrass Basin Savanna and Woodland

Prairie East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland

Prairie East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland - Herbaceous Modifier

Prairie East Gulf Coastal Plain Jackson Plain Prairie and Barrens
Prairie East Gulf Coastal Plain Jackson Prairie and Woodland

Prairie Eastern Highland Rim Prairie and Barrens

Prairie Eastern Highland Rim Prairie and Barrens - Dry Modifier

Prairie Florida Dry Prairie

Prairie Panhandle Florida Limestone Glade
Prairie Pennyroyal Karst Plain Prairie and Barrens
Prairie Southern Ridge and Valley Patch Prairie
Prairie Western Highland Rim Prairie and Barrens
Rock Outcrop Central Interior Acidic Cliff and Talus
Rock Outcrop East Gulf Coastal Plain Dry Chalk Bluff

Rock Outcrop North-Central Appalachian Acidic Cliff and Talus

Rock Outcrop North-Central Appalachian Circumneutral Cliff and Talus

Rock Outcrop Southern Appalachian Granitic Dome
Rock Outcrop Southern Appalachian Montane Cliff

Rock Outcrop Southern Interior Acid Cliff
Rock Outcrop Southern Interior Calcareous Cliff

Rock Outcrop Southern Piedmont Cliff

Rock Outcrop Southern Piedmont Granite Flatrock

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 Northern Pondshore

Wetlands Atlantic Coastal Plain Northern Wet Longleaf Pine Savanna and Flatwoods

Wetlands Atlantic Coastal Plain Sandhill Seep
Wetlands Atlantic Coastal Plain Xeric River Dune
Wetlands Central Florida Herbaceous Pondshore
Wetlands Central Florida Herbaceous Seep
Wetlands Central Florida Pine Flatwoods

Wetlands Central Interior Highlands and Appalachian Sinkhole and Depression Pond

Wetlands Cumberland Riverscour

Wetlands East Gulf Coastal Plain Interior Shrub Bog

Wetlands East Gulf Coastal Plain Jackson Plain Dry Flatwoods - Open Understory Modifier
Wetlands East Gulf Coastal Plain Near-Coast Pine Flatwoods - Open Understory Modifier

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Wetlands	East Gulf Coastal Plain Northern Depression Pondshore
Wetlands	East Gulf Coastal Plain Southern Depression Pondshore
Wetlands	East Gulf Coastal Plain Treeless Savanna and Wet Prairie
Wetlands	Floridian Highlands Freshwater Marsh
Wetlands	North-Central Appalachian Seepage Fen
Wetlands	Southern and Central Appalachian Bog and Fen
Wetlands	Southern Appalachian Seepage Wetland
Wetlands	Southern Coastal Plain Herbaceous Seepage Bog

Functional Group	Map Unit Name	
Forest/Woodland	Southern Piedmont Dry Oak-Heath Forest - Hardwood Modifier	
Forest/Woodland	Southern Piedmont Dry Oak-Heath Forest - Virginia/Pitch Pine Modifier	
Forest/Woodland	Southern Piedmont Dry Oak-Heath Forest - Mixed Modifier	
Forest/Woodland	Central and Southern Appalachian Spruce-Fir Forest	
Forest/Woodland	Central and Southern Appalachian Northern Hardwood Forest	
Forest/Woodland	Southern Piedmont Mafic Hardpan Woodland	
Wetlands	Southern Piedmont Seepage Wetland	
Wetlands	Southern Piedmont Small Floodplain and Riparian Forest	
Wetlands	Southern Piedmont Large Floodplain Forest - Forest Modifier	
Forest/Woodland	Southern Appalachian Montane Pine Forest and Woodland	
Forest/Woodland	Southern Appalachian Low Mountain Pine Forest	
Wetlands	Southern Piedmont/Ridge and Valley Upland Depression Swamp	
Forest/Woodland	Southern Piedmont Dry Oak-(Pine) Forest - Hardwood Modifier	
Forest/Woodland	Southern Piedmont Dry Oak-(Pine) Forest - Loblolly Pine Modifier	
Forest/Woodland	Southern Piedmont Dry Oak-(Pine) Forest - Mixed Modifier	
Forest/Woodland	Southern Piedmont Mesic Forest	
Wetlands	Western Highland Rim Seepage Fen	
Forest/Woodland	Appalachian Serpentine Woodland	
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland	
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland - Pine Modifier	
Forest/Woodland	Allegheny-Cumberland Dry Oak Forest and Woodland - Hardwood Modifier	
Forest/Woodland	Southern and Central Appalachian Cove Forest	
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest	
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest - Pine Modifier	
Forest/Woodland	Southern Ridge and Valley Dry Calcareous Forest - Hardwood Modifier	
Forest/Woodland	Southern Piedmont Northern Triassic Basin Dry Forest	
Forest/Woodland	Central Appalachian Oak and Pine Forest	
Forest/Woodland	Northeastern Interior Dry Oak Forest-Hardwood Modifier	
Forest/Woodland	Northeastern Interior Dry Oak Forest - Virginia/Pitch Pine Modifier	
Forest/Woodland	Northeastern Interior Dry Oak Forest - Mixed Modifier	
Forest/Woodland	Appalachian Hemlock-Hardwood Forest	
Forest/Woodland	Central and Southern Appalachian Montane Oak Forest	
Forest/Woodland	Central Appalachian Pine-Oak Rocky Woodland	
Wetlands	North-Central Appalachian Acidic Swamp	
Wetlands	North-Central Interior and Appalachian Rich Swamp	
Wetlands	Central Appalachian Floodplain - Forest Modifier	
Wetlands	Central Appalachian Riparian - Forest Modifier	
Wetlands	South-Central Interior Large Floodplain - Forest Modifier	
Wetlands	South-Central Interior Small Stream and Riparian	
Forest/Woodland	Southern and Central Appalachian Oak Forest	
Forest/Woodland	Southern and Central Appalachian Oak Forest - Xeric	
Forest/Woodland	South-Central Interior Mesophytic Forest	
Forest/Woodland	Southern Interior Low Plateau Dry-Mesic Oak Forest	
Forest/Woodland	Southern Interior Low Plateau Dry-Mesic Oak Forest - Evergreen Modifier	
Forest/Woodland	Florida Peninsula Inland Scrub	
Forest/Woodland	Atlantic Coastal Plain Northern Mixed Oak-Heath Forest	

Wetlands Mississippi River Riparian Forest

Wetlands Mississippi River Low Floodplain (Bottomland) Forest

Forest/Woodland Atlantic Coastal Plain Dry and Dry-Mesic Oak Forest

Forest/Woodland Atlantic Coastal Plain Mesic Hardwood and Mixed Forest

Wetlands Atlantic Coastal Plain Clay-Based Carolina Bay Forested Wetland

Wetlands Atlantic Coastal Plain Blackwater Stream Floodplain Forest - Forest Modifier

Wetlands Atlantic Coastal Plain Brownwater Stream Floodplain Forest
Wetlands Atlantic Coastal Plain Small Blackwater River Floodplain Forest
Wetlands Atlantic Coastal Plain Small Brownwater River Floodplain Forest

Wetlands Southern Coastal Plain Nonriverine Cypress Dome

Wetlands Atlantic Coastal Plain Streamhead Seepage Swamp, Pocosin, and Baygall

Forest/Woodland Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Scrub/Shrub Understory Modifier

Forest/Woodland Atlantic Coastal Plain Fall-Line Sandhills Longleaf Pine Woodland - Loblolly Modifier

Forest/Woodland Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Offsite Hardwood Modifier

Forest/Woodland Atlantic Coastal Plain Central Maritime Forest
Wetlands Atlantic Coastal Plain Peatland Pocosin

Forest/Woodland Florida Longleaf Pine Sandhill - Open Understory Modifier
Forest/Woodland Florida Longleaf Pine Sandhill - Scrub/Shrub Understory Modifier

Forest/Woodland Atlantic Coastal Plain Northern Maritime Forest

Wetlands Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Oak Dominated Modifier

Wetlands Atlantic Coastal Plain Nonriverine Swamp and Wet Hardwood Forest - Taxodium/Nyssa Modifier

Wetlands East Gulf Coastal Plain Near-Coast Pine Flatwoods - Scrub/Shrub Understory Modifier
Wetlands East Gulf Coastal Plain Near-Coast Pine Flatwoods - Offsite Hardwood Modifier
Wetlands Southern Coastal Plain Nonriverine Basin Swamp

Forest/Woodland Northern Atlantic Coastal Plain Dry Hardwood Forest
Forest/Woodland East Gulf Coastal Plain Southern Mesic Slope Forest
Forest/Woodland East Gulf Coastal Plain Northern Mesic Hardwood Forest

Wetlands East Gulf Coastal Plain Jackson Plain Dry Flatwoods - Scrub/Shrub Understory Modifier

Wetlands South-Central Interior/Upper Coastal Plain Wet Flatwoods
Forest/Woodland East Gulf Coastal Plain Northern Loess Bluff Forest

Forest/Woodland East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland - Hardwood Modifier

Forest/Woodland East Gulf Coastal Plain Northern Dry Upland Hardwood Forest

Forest/Woodland East Gulf Coastal Plain Northern Dry Upland Hardwood Forest - Offsite Pine Modifier

Wetlands East Gulf Coastal Plain Large River Floodplain Forest - Forest Modifier
Wetlands Lower Mississippi River Bottomland Depressions - Forest Modifier
Wetlands Southern Coastal Plain Blackwater River Floodplain Forest

Forest/Woodland Southern Coastal Plain Oak Dome and Hammock

Forest/Woodland East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Scrub/Shrub Modifier
Forest/Woodland East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Loblolly Modifier

Forest/Woodland East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Offsite Hardwood Modifier

Wetlands Southern Coastal Plain Hydric Hammock
Forest/Woodland East Gulf Coastal Plain Limestone Forest
Forest/Woodland East Gulf Coastal Plain Maritime Forest

Wetlands Southern Coastal Plain Seepage Swamp and Baygall

Forest/Woodland East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Mixed Modifier

Forest/Woodland East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Hardwood Modifier

Forest/Woodland East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Pine Modifier

Wetlands Lower Mississippi River Bottomland and Floodplain Forest

Forest/Woodland Mississippi Delta Maritime Forest

Wetlands Atlantic Coastal Plain Northern Basin Swamp and Wet Hardwood Forest

Wetlands Atlantic Coastal Plain Northern Basin Peat Swamp

Wetlands Atlantic Coastal Plain Southern Wet Pine Savanna and Flatwoods

Forest/Woodland Atlantic Coastal Plain Southern Maritime Forest

Wetlands East Gulf Coastal Plain Northern Seepage Swamp

Forest/Woodland East Gulf Coastal Plain Southern Loess Bluff Forest

Wetlands East Gulf Coastal Plain Southern Loblolly-Hardwood Flatwoods

Wetlands East Gulf Coastal Plain Small Stream and River Floodplain Forest

Forest/Woodland Southern Coastal Plain Dry Upland Hardwood Forest

Wetlands South Florida Hardwood Hammock
Wetlands South Florida Cypress Dome
Wetlands South Florida Bayhead Swamp

Forest/Woodland Southwest Florida Coastal Strand and Maritime Hammock
Forest/Woodland Southeast Florida Coastal Strand and Maritime Hammock

Wetlands South Florida Pine Flatwoods
Wetlands South Florida Willow Head

Wetlands South Florida Pond-Apple/Popash Slough

Anthropogenic Deciduous Plantations
Anthropogenic Evergreen Plantations

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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

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