



SOUTHEAST GAP ANALYSIS PROJECT



Species Modeling Report

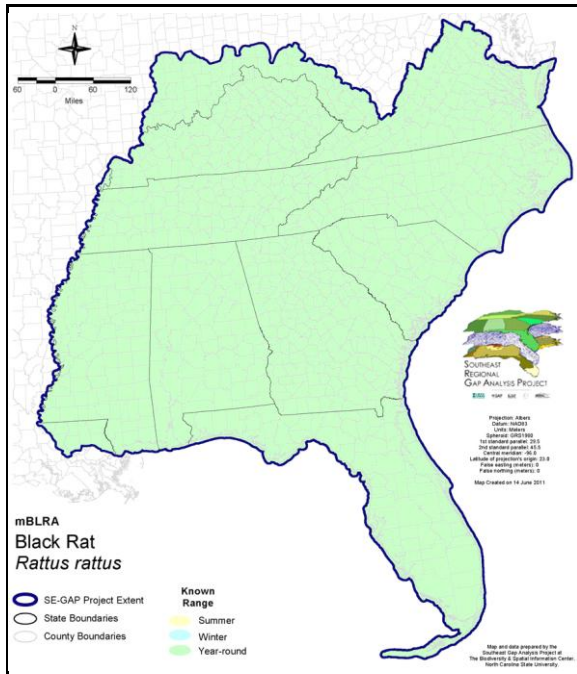
Black Rat

Rattus rattus

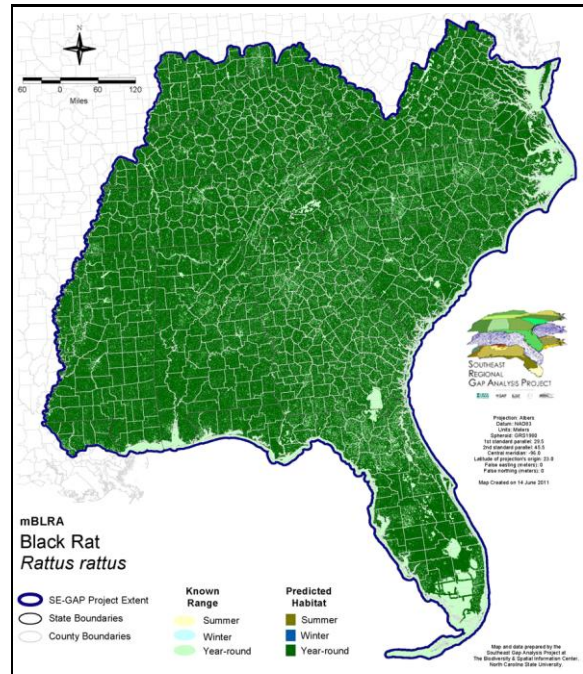
Taxa: Mammalian
Order: Rodentia
Family: Muridae

SE-GAP Spp Code: **mBLRA**
ITIS Species Code: 180362
NatureServe Element Code: AMAFF21010

KNOWN RANGE:



PREDICTED HABITAT:



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

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

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

Data Download: http://www.basic.ncsu.edu/segap/datazip/region/vert/mBLRA_se00.zip

PROTECTION STATUS:

Reported on March 14, 2011

Federal Status: ---

State Status: IN (SX), NJ (I), NY (U), RI (Not Listed), UT (None), BC (7 (2005)), QC (Non suivie)

NS Global Rank: G5

NS State Rank: AL (SNA), AR (SNA), AZ (SNA), DC (SNA), DE (SNA), GA (SNA), IL (SNA), IN (SNA), KS (SNA), LA (SNA), MA (SNA), MD (SNA), MS (SNA), NC (SNA), NJ (SNA), NM (SNA), NV (SNA), NY (SNA), OK (SNA), OR (SNA), PA (SNA), RI (SNA), TN (SNA), TX (SNA), UT (SNA), VA (SNA), WA (SNA), WV (SNA), AB (SNA), BC (SNA), NB (SNA), NS (SNA), ON (SNA), QC (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	130,921.7	< 1	30,683.5	< 1	0.0	0	0.0	0
Status 2	251,422.1	< 1	340,446.4	< 1	0.0	0	5,828.7	< 1
Status 3	3,209.0	< 1	2,861,771.0	3	73,482.6	< 1	855,663.3	< 1
Status 4	113.6	< 1	< 0.1	< 1	0.0	0	456.1	< 1
Total	385,666.4	< 1	3,232,901.1	3	73,482.6	< 1	861,948.1	< 1
	US Dept. of Energy		US Nat. Park Service		NOAA		Other Federal Lands	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	240,930.8	< 1	368.3	< 1	23,204.3	< 1
Status 2	0.0	0	49,653.2	< 1	37,742.0	< 1	110.6	< 1
Status 3	85,429.4	< 1	227,310.6	< 1	0.0	0	5,752.6	< 1
Status 4	0.0	0	0.0	4	0.0	0	0.0	0
Total	85,429.4	< 1	517,895.0	< 1	38,110.3	< 1	29,067.5	< 1
	Native Am. Reserv.		State Park/Hist. Park		State WMA/Gameland		State Forest	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	1,721.1	< 1	79.1	< 1	0.0	0
Status 2	0.0	0	20,253.6	< 1	974,748.9	1	1,419.7	< 1
Status 3	27,069.0	< 1	880,456.4	< 1	259,104.5	< 1	444,556.2	< 1
Status 4	0.0	0	< 0.1	< 1	140,893.7	< 1	48.2	< 1
Total	27,069.0	< 1	902,431.2	< 1	1,374,826.2	1	446,024.1	< 1
	State Coastal Reserve		ST Nat.Area/Preserve		Other State Lands		Private Cons. Easemt.	
	ha	%	ha	%	ha	%	ha	%
Status 1	0.0	0	16,376.5	< 1	0.0	0	0.0	0
Status 2	29,605.9	< 1	108,330.1	< 1	6.5	< 1	4,340.2	< 1
Status 3	0.0	0	28,207.4	< 1	31,978.3	< 1	166,490.6	< 1
Status 4	0.0	0	2.1	< 1	5,104.6	< 1	< 0.1	< 1
Total	29,605.9	< 1	152,916.1	< 1	37,089.4	< 1	170,830.8	< 1
	Private Land - No Res.		Water		Overall Total			
	ha	%	ha	%	ha	%		
Status 1	0.0	< 1	0.0	0	444,285.4	< 1		
Status 2	1.0	< 1	0.0	3	1,823,909.1	2		
Status 3	1,062.3	< 1	1.2	< 1	5,951,544.3	9		
Status 4	85,112,800.7	88	93,827.4	< 1	85,494,027.4	89		
Total	85,113,864.2	88	93,829.0	< 1	93,713,766.2	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):

Year-round Model:

Habitat Description: An exotic species, the black rat was introduced to North America from Europe during the early days of maritime commerce (Lee et al. 1982). The rat is found in cities and in buildings, homes and other structures of urban and rural areas. It is particularly numerous at ports and shipyards, where populations may be continually reinforced by immigrants from disembarking ships (Lee et al. 1982). The black rat is a better climber than the more dominant Norway rat (Whitaker and Hamilton 1998). Thus, where both species are present, the black rat typically occupies roofs and upper levels of buildings while the Norway rat typically controls ground and subterranean levels. Tree cavities are also used for shelter and nesting. The rat nests in secluded nooks and crannies of buildings (Whitaker and Hamilton 1998). In southern portions of its range, the rat may also nest in brushy fields and hedgerows adjacent to farmsteads as well as in arboreal situations, such as in tree cavities and among palm leaves (Webster et al. 1985, Whitaker and Hamilton 1998). They also use dense forest habitats, including floodplain forests, oak hammocks, oak scrub, and coastal strand vegetation (Brown 1997). Black rats are not swimmers although they live near water (Corbet and Southern, 1977; Grzimek, 2003).

In Florida they are found in natural and developed areas, buildings, dumps, brush, hammocks, cactus "jungles", mangroves, and debris (Layne 1984), freshwater marsh with emergent vegetation, cattails or sawgrass (Barbour and Humphrey 1982), barrier beaches, coastal scrub (Fernald 1989) and sugar cane fields (Lefebvre 1982). May be correlated to decrease in *P. gossypinus* subspecies decline (Humphrey et al. 1988). Mean home range sizes are 0.20 +/- 0.0015 ha for males and 0.16 +/- 0.040 ha for females (Berger and Negus 1981).

There is not much information on habitats that *rattus rattus* does not exploit. Therefore I placed it in most habitats within 2 km of agriculture and urban areas.

Quoted from state habitat notes - K.Cook - 6-9-05

Selected Map Units:

Functional Group	Map Unit Name
Anthropogenic	High Intensity Developed
Anthropogenic	Low Intensity Developed
Anthropogenic	Medium Intensity Developed
Anthropogenic	Pasture/Hay
Anthropogenic	Row Crop

Selected Secondary Map Units within 2000m of Primary Map Units:

Functional Group	Map Unit Name
Wetlands	Central Interior Highlands and Appalachian Sinkhole and Depression Pond
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	Ridge and Valley Calcareous Valley Bottom Glade and Woodland
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
Bald	Southern Appalachian Grass and Shrub Bald - Shrub Modifier
Bald	Southern Appalachian Grass and Shrub Bald - Herbaceous Modifier
Wetlands	Southern Piedmont Seepage Wetland
Wetlands	Southern and Central Appalachian Bog and Fen
Wetlands	Southern Appalachian Seepage Wetland
Forest/Woodland	Southeastern Interior Longleaf Pine Woodland
Wetlands	Southern Piedmont Small Floodplain and Riparian Forest
Wetlands	Southern Piedmont Large Floodplain Forest - Forest Modifier
Rock Outcrop	Southern Appalachian Rocky Summit
Forest/Woodland	Southern Piedmont Glade and Barrens

Forest/Woodland	Southern Appalachian Montane Pine Forest and Woodland
Forest/Woodland	Southern Appalachian Low Mountain Pine Forest
Forest/Woodland	Nashville Basin Limestone Glade
Wetlands	Southern Piedmont/Ridge and Valley Upland Depression Swamp
Forest/Woodland	Cumberland Sandstone Glade and Barrens
Forest/Woodland	Alabama Ketona Glade and Woodland
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	Southern and Central Appalachian Mafic Glade and Barrens
Prairie	Western Highland Rim Prairie and Barrens
Prairie	Eastern Highland Rim Prairie and Barrens
Prairie	Eastern Highland Rim Prairie and Barrens - Dry Modifier
Prairie	Pennyroyal Karst Plain Prairie and Barrens
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
Prairie	Southern Ridge and Valley Patch Prairie
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
Bald	Central Appalachian Montane Rocky Bald - Shrub Modifier
Bald	Central Appalachian Montane Rocky Bald - Herbaceous Modifier
Forest/Woodland	Appalachian Shale Barrens
Forest/Woodland	Central Appalachian Pine-Oak Rocky Woodland
Forest/Woodland	Central Appalachian Alkaline Glade and Woodland
Rock Outcrop	North-Central Appalachian Circumneutral Cliff and Talus
Wetlands	North-Central Appalachian Acidic Swamp
Wetlands	North-Central Interior and Appalachian Rich Swamp
Wetlands	North-Central Appalachian Seepage Fen
Wetlands	Central Appalachian Floodplain - Forest Modifier
Wetlands	Central Appalachian Riparian - Forest Modifier
Rock Outcrop	Central Interior Acidic Cliff and Talus
Rock Outcrop	Central Interior Calcareous Cliff and Talus
Forest/Woodland	Central Interior Highlands Calcareous Glade and Barrens
Forest/Woodland	Central Interior Highlands Dry Acidic Glade and Barrens
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
Prairie	Bluegrass Basin Savanna and Woodland
Forest/Woodland	Southern Interior Low Plateau Dry-Mesic Oak Forest
Forest/Woodland	Southern Interior Low Plateau Dry-Mesic Oak Forest - Evergreen Modifier
Wetlands	Atlantic Coastal Plain Large Natural Lakeshore

Forest/Woodland	Florida Peninsula Inland Scrub
Wetlands	Floridian Highlands Freshwater Marsh
Wetlands	Southern Coastal Plain Herbaceous Seepage Bog
Forest/Woodland	Atlantic Coastal Plain Northern Mixed Oak-Heath Forest
Wetlands	Mississippi River Riparian Forest
Wetlands	East Gulf Coastal Plain Treeless Savanna and Wet Prairie
Wetlands	Mississippi River Low Floodplain (Bottomland) Forest
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Northern Sea-Level Fen
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Southern Tidal Wooded Swamp
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 Clay-Based Carolina Bay Herbaceous 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
Wetlands	Atlantic Coastal Plain Sandhill Seep
Forest/Woodland	Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Open Understory Modifier
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
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Indian River Lagoon Tidal Marsh
Coastal Dune & Freshwater Wetland	Atlantic and Gulf Coastal Plain Interdunal Wetland
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Embayed Region Tidal Freshwater Marsh
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Embayed Region Tidal Salt and Brackish Marsh
Forest/Woodland	Atlantic Coastal Plain Central Maritime Forest
Wetlands	Atlantic Coastal Plain Depression Pondshore
Coastal Dune & Freshwater Wetland	Atlantic Coastal Plain Northern Dune and Maritime Grassland
Wetlands	Atlantic Coastal Plain Northern Wet Longleaf Pine Savanna and Flatwoods
Beach	Florida Panhandle Beach Vegetation
Wetlands	Atlantic Coastal Plain Peatland Pocosin
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Central Salt and Brackish Tidal Marsh
Coastal Dune & Freshwater Wetland	Atlantic Coastal Plain Southern Dune and Maritime Grassland
Forest/Woodland	Atlantic Coastal Plain Upland Longleaf Pine Woodland
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Northern Tidal Wooded Swamp
Forest/Woodland	Florida Longleaf Pine Sandhill - Open Understory Modifier
Forest/Woodland	Florida Longleaf Pine Sandhill - Scrub/Shrub Understory Modifier
Brackish Tidal Marsh & Wetland	East Gulf Coastal Plain Tidal Wooded Swamp
Beach	Atlantic Coastal Plain Northern Sandy Beach
Forest/Woodland	Atlantic Coastal Plain Northern Maritime Forest
Brackish Tidal Marsh & Wetland	Mississippi Sound Salt and Brackish Tidal Marsh
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
Prairie	East Gulf Coastal Plain Jackson Plain Prairie and Barrens
Wetlands	East Gulf Coastal Plain Near-Coast Pine Flatwoods - Open Understory 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
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Central Fresh-Oligohaline Tidal Marsh
Prairie	Florida Dry Prairie
Wetlands	Central Florida Pine Flatwoods
Beach	Atlantic Coastal Plain Sea Island Beach
Wetlands	Southern Coastal Plain Nonriverine Basin Swamp
Wetlands	East Gulf Coastal Plain Interior Shrub Bog

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
Prairie	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland
Prairie	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland - Herbaceous Modifier
Forest/Woodland	East Gulf Coastal Plain Black Belt Calcareous Prairie and Woodland - Woodland Modifier
Wetlands	East Gulf Coastal Plain Jackson Plain Dry Flatwoods - Open Understory Modifier
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 Loess Plain Oak-Hickory Upland - Juniper 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	Central Florida Herbaceous Seep
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 - Open Understory Modifier
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	Atlantic Coastal Plain Xeric River Dune
Coastal Dune & Freshwater Wetland	East Gulf Coastal Plain Dune and Coastal Grassland
Wetlands	Southern Coastal Plain Hydric Hammock
Forest/Woodland	East Gulf Coastal Plain Limestone Forest
Forest/Woodland	East Gulf Coastal Plain Maritime Forest
Wetlands	East Gulf Coastal Plain Southern Depression Pondshore
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
Freshwater Tidal Marsh & Wetland	Florida Big Bend Fresh-Oligohaline Tidal Marsh
Brackish Tidal Marsh & Wetland	Florida Big Bend Salt-Brackish Tidal Marsh
Wetlands	Lower Mississippi River Bottomland and Floodplain Forest
Forest/Woodland	Mississippi Delta Maritime Forest
Freshwater Tidal Marsh & Wetland	Atlantic Coastal Plain Northern Fresh and Oligohaline Tidal Marsh
Wetlands	Atlantic Coastal Plain Northern Pondshore
Brackish Tidal Marsh & Wetland	Atlantic Coastal Plain Northern Tidal Salt Marsh
Wetlands	Atlantic Coastal Plain Northern Basin Swamp and Wet Hardwood Forest
Wetlands	Atlantic Coastal Plain Northern Basin Peat Swamp
Prairie	Panhandle Florida Limestone Glade
Beach	Atlantic Coastal Plain Southern Beach
Wetlands	Atlantic Coastal Plain Southern Wet Pine Savanna and Flatwoods
Forest/Woodland	Atlantic Coastal Plain Southern Maritime Forest
Coastal Dune & Freshwater Wetland	Southwest Florida Dune and Coastal Grassland
Wetlands	East Gulf Coastal Plain Northern Seepage Swamp
Prairie	East Gulf Coastal Plain Jackson Prairie and Woodland
Forest/Woodland	East Gulf Coastal Plain Southern Loess Bluff Forest
Wetlands	East Gulf Coastal Plain Southern Loblolly-Hardwood Flatwoods
Wetlands	East Gulf Coastal Plain Northern Depression Pondshore
Wetlands	East Gulf Coastal Plain Small Stream and River Floodplain Forest
Forest/Woodland	Southern Coastal Plain Dry Upland Hardwood Forest
Wetlands	Central Florida Herbaceous Pondshore
Beach	South Florida Shell Hash Beach

Beach	Southeast Florida Beach
Beach	Southwest Florida Beach
Brackish Tidal Marsh & Wetland	South Florida Everglades Sawgrass Marsh
Wetlands	South Florida Hardwood Hammock
Brackish Tidal Marsh & Wetland	South Florida Mangrove Swamp
Wetlands	South Florida Dwarf Cypress Savanna
Wetlands	South Florida Cypress Dome
Wetlands	South Florida Bayhead Swamp
Forest/Woodland	South Florida Pine Rockland
Forest/Woodland	Southwest Florida Coastal Strand and Maritime Hammock
Forest/Woodland	Southeast Florida Coastal Strand and Maritime Hammock
Wetlands	South Florida Wet Marl Prairie
Wetlands	South Florida Pine Flatwoods
Wetlands	South Florida Willow Head
Wetlands	South Florida Pond-Apple/Popash Slough
Brackish Tidal Marsh & Wetland	Southwest Florida Perched Barriers Salt Swamp and Lagoon - Marsh Modifier
Brackish Tidal Marsh & Wetland	Southwest Florida Perched Barriers Salt Swamp and Lagoon - Mangrove Modifier
Anthropogenic	Bare Sand
Anthropogenic	Bare Soil
Beach	Unconsolidated Shore (Beach/Dune)
Anthropogenic	Deciduous Plantations
Anthropogenic	Evergreen Plantations
Anthropogenic	Successional Shrub/Scrub (Clear Cut)
Anthropogenic	Successional Shrub/Scrub (Utility Swath)
Anthropogenic	Successional Shrub/Scrub (Other)

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