GAP/LANDFIRE National Terrestrial Ecosystems 2011 Summary Report: Louisiana

NVCS Hierarchy Key

Class

Formation

Macrogroup

Ecological System

Land Cover Name	Hectares	Sq. Miles	% Area
Forest & Woodland			
Warm Temperate Forest & Woodland			
Longleaf Pine Woodland			
East Gulf Coastal Plain Near-Coast Pine Flatwoods	14,911	23.3	0.04 %
East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Scrub/Shrub Modifier	78,570	122.8	0.24 %
East Gulf Coastal Plain Near-Coast Pine Flatwoods - Open Understory Modifier	240,248	375.4	0.72 %
East Gulf Coastal Plain Near-Coast Pine Flatwoods - Scrub/Shrub Understory Modifier	80,786	126.2	0.24 %
West Gulf Coastal Plain Wet Longleaf Pine Savanna and Flatwoods	901,840	1,409.1	2.71 %
Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Offsite Hardwood	1,212	1.9	< 0.01 %
Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Scrub/Shrub Understory	293	0.5	< 0.01 %
West Gulf Coastal Plain Upland Longleaf Pine Forest and Woodland	385,037	601.6	1.16 %
Atlantic Coastal Plain Fall-line Sandhills Longleaf Pine Woodland - Open Understory	61	< 0.1	< 0.01 %
Southern Mesic Mixed Broadleaf Forest			
Southern Atlantic Coastal Plain Mesic Hardwood Forest	419	0.7	< 0.01 %
East Gulf Coastal Plain Southern Loess Bluff Forest	79,401	124.1	0.24 %
East Gulf Coastal Plain Northern Loess Bluff Forest	37	< 0.1	< 0.01 %
East Gulf Coastal Plain Northern Mesic Hardwood Forest	18	< 0.1	< 0.01 %
West Gulf Coastal Plain Mesic Hardwood Forest	270,679	422.9	0.81 %
East Gulf Coastal Plain Southern Mesic Slope Forest	3,784	5.9	0.01 %
Southeastern North American Ruderal Forest			
East Gulf Coastal Plain Near-Coast Pine Flatwoods - Offsite Hardwood Modifier	28,986	45.3	0.09 %
Evergreen Plantation or Managed Pine	581,667	908.9	1.75 %
Atlantic Coastal Plain Fall-Line Sandhills Longleaf Pine Woodland - Loblolly Modifier	52	< 0.1	< 0.01 %
East Gulf Coastal Plain Interior Upland Longleaf Pine Woodland - Offsite Hardwood Modifier	39,752	62.1	0.12 %
Deciduous Plantations	4,462	7.0	0.01 %
Southeastern Coastal Plain Evergreen Oak - Mixed Hardwood Forest			
Southern Coastal Plain Dry Upland Hardwood Forest	1,074	1.7	< 0.01 %
West Gulf Coastal Plain Chenier and Upper Texas Coastal Fringe Forest and Woodland	6,439	10.1	0.02 %
Mississippi Delta Maritime Forest	3,414	5.3	0.01 %
East Gulf Coastal Plain Maritime Forest	959	1.5	< 0.01 %

Land Cover Name	Hectares	Sq. Miles	% Area
Cool Temperate Forest & Woodland			
Eastern North American Ruderal Forest			
Managed Tree Plantation	2,044,020	3,193.8	6.14 %
Ruderal forest	583,180	911.2	1.75 %
Southern & South-Central Oak - Hickory - Pine Forest & Woodland			
East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Mixed Modifier	101,039	157.9	0.30 %
Lower Mississippi River Dune Woodland and Forest	2,109	3.3	< 0.01 %
West Gulf Coastal Plain Pine-Hardwood Forest	1,622,194	2,534.7	4.87 %
East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest - Hardwood Modifier	22,487	35.1	0.07 %
West Gulf Coastal Plain Sandhill Oak and Shortleaf Pine Forest and Woodland	14,781	23.1	0.04 %
Atlantic Coastal Plain Dry and Dry-Mesic Oak Forest	29	< 0.1	< 0.01 %
East-Central Texas Plains Post Oak Savanna and Woodland	360	0.6	< 0.01 %
Temperate Flooded & Swamp Forest			
Southern Coastal Plain Floodplain Forest			
East Gulf Coastal Plain Tidal Wooded Swamp	5,054	7.9	0.02 %
Mississippi River Floodplain and Riparian Forest	2,015,209	3,148.8	6.05 %
East Gulf Coastal Plain Small Stream and River Floodplain Forest	227,438	355.4	0.68 %
Southern Coastal Plain Blackwater River Floodplain Forest	153,513	239.9	0.46 %
Mississippi River Riparian Forest	34,294	53.6	0.10 %
West Gulf Coastal Plain Small Stream and River Forest	1,209,995	1,890.6	3.63 %
East Gulf Coastal Plain Large River Floodplain Forest - Forest Modifier	103,018	161.0	0.31 %
West Gulf Coastal Plain Large River Floodplain Forest	266,685	416.7	0.80 %
West Gulf Coastal Plain Near-Coast Large River Swamp	1,392	2.2	< 0.01 %
Red River Large Floodplain Forest	140,634	219.7	0.42 %
East Gulf Coastal Plain Large River Floodplain Forest - Herbaceous Modifier	123	0.2	< 0.01 %
Atlantic Coastal Plain Small Brownwater River Floodplain Forest	4,492	7.0	0.01 %
Mississippi River Low Floodplain (Bottomland) Forest	106,977	167.2	0.32 %
Mississippi River Bottomland Depression	116,544	182.1	0.35 %
Southern Coastal Plain Evergreen Hardwood-Conifer Swamp			
Gulf and Atlantic Coastal Plain Swamp Systems	986,815	1,541.9	2.96 %
Southern Coastal Plain Seepage Swamp and Baygall	< 1	< 0.1	< 0.01 %
West Gulf Coastal Plain Seepage Swamp and Baygall	237	0.4	< 0.01 %
Southern Coastal Plain Basin Swamp & Flatwoods			
West Gulf Coastal Plain Pine-Hardwood Flatwoods	56,741	88.7	0.17 %
Southern Coastal Plain Nonriverine Basin Swamp	1,150	1.8	< 0.01 %
Lower Mississippi River Flatwoods	86,318	134.9	0.26 %
West Gulf Coastal Plain Nonriverine Wet Hardwood Flatwoods	3,598	5.6	0.01 %
East Gulf Coastal Plain Southern Loblolly-Hardwood Flatwoods	378	0.6	< 0.01 %
Rocky Mountain-Great Basin Montane Riparian Forest			
Northern Rocky Mountain Conifer Swamp	1,545	2.4	< 0.01 %
Southern Great Plains Floodplain Forest & Woodland			
Southeastern Great Plains Riparian Forest	1,436	2.2	< 0.01 %
Pond-cypress Basin Swamp			
Southern Coastal Plain Nonriverine Cypress Dome	< 1	< 0.1	< 0.01 %
Shrub & Herb Vegetation			
Temperate Grassland & Shrubland			
Southern Barrens & Glade			

Land Cover Name	Hectares	Sq. Miles	% Area
West Gulf Coastal Plain Catahoula Barrens	8,401	13.1	0.03 %
Southeastern Coastal Plain Patch Prairie			
West Gulf Coastal Plain Southern Calcareous Prairie	116,649	182.3	0.35 %
Temperate to Polar Scrub & Herb Coastal Vegetation			
Eastern North American Coastal Beach & Rocky Shore			
Louisiana Beach	667	1.0	< 0.01 %
Upper Texas Coast Beach	128	0.2	< 0.01 %
Florida Panhandle Beach Vegetation	2	< 0.1	< 0.01 %
Temperate to Polar Freshwater Marsh, Wet Meadow & Shrubland			
Atlantic & Gulf Coastal Plain Wet Prairie & Marsh			
East Gulf Coastal Plain Savanna and Wet Prairie	1,256	2.0	< 0.01 %
Texas-Louisiana Coastal Prairie Slough	26	< 0.1	< 0.01 %
Texas-Louisiana Coastal Prairie	3,117	4.9	< 0.01 %
Salt Marsh			
North American Atlantic & Gulf Coastal Salt Marsh			
Texas Saline Coastal Prairie	12,026	18.8	0.04 %
Mississippi Sound Salt and Brackish Tidal Marsh	6,166	9.6	0.02 %
Gulf and Atlantic Coastal Plain Tidal Marsh Systems	2,818,935	4,404.6	8.46 %
Agricultural & Developed Vegetation			
Row & Close Grain Crop Cultural Formation			
Herbaceous Agricultural Vegetation			
Cultivated Cropland	5,111,804	7,987.2	15.34 %
Pasture & Hay Field Crop			
Pasture & Hay Field Crop			
Pasture/Hay	1,813,646	2,833.8	5.44 %
Developed & Other Human Use			
Developed & Urban			
Developed & Urban			
Developed, Open Space	942,970	1,473.4	2.83 %
Developed, Low Intensity	938,150	1,465.9	2.82 %
Developed, High Intensity	86,555	135.2	0.26 %
Developed, Medium Intensity	198,915	310.8	0.60 %
Current and Historic Mining Activity			
Quarries, Mines, Gravel Pits and Oil Wells			
Quarries, Mines, Gravel Pits and Oil Wells	11,686	18.3	0.04 %
Introduced & Semi Natural Vegetation			
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Introduced Upland Vegetation - Perennial Grassland and Forbland	10	< 0.1	< 0.01 %
Introduced Riparian and Wetland Vegetation	85,771	134.0	0.26 %
Recently Disturbed or Modified			
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Harvested Forest - Grass/Forb Regeneration	381,020	595.3	1.14 %

Land Cover Name	Hectares	Sq. Miles	% Area
Recently burned grassland	1,679	2.6	< 0.01 %
Disturbed, Non-specific	141,398	220.9	0.42 %
Disturbed/Successional - Shrub Regeneration	88,982	139.0	0.27 %
Disturbed/Successional - Grass/Forb Regeneration	12,094	18.9	0.04 %
Harvested Forest-Shrub Regeneration	1,679,360	2,624.0	5.04 %
Open Water			
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Open Water			
Open Water (Brackish/Salt)	4,782,117	7,472.1	14.35 %
Open Water (Fresh)	1,324,163	2,069.0	3.97 %
Nonvascular & Sparse Vascular Rock Vegetation			
Barren			
Barren			
Unconsolidated Shore	83,278	130.1	0.25 %
Undifferentiated Barren Land	26,657	41.7	0.08 %

GAP/LANDFIRE National Terrestrial Ecosystems 2011 - Ecological Systems

Summary
The GAP/LANDFIRE National Terrestrial Ecosystems represents a highly thematically detailed land cover map of the U.S. The GAP/LANDFIRE National Terrestrial Ecosystems dataset is produced by the U.S. Geological Survey in collaboration with the LANDFIRE Program. The GAP produces data and tools that help meet critical national challenges such as biodiversity conservation, renewable energy development, climate change adaptation, and infrastructure investment. Learn more about GAP and other GAP data (including protected areas and species habitat maps) at https://gapanalysis.usgs.gov. https://gapanalysis.usgs.gov/gaplandcover/data.

Abstract
This layer represents the finest level of thematic detail for the GAP/LANDFIRE National Terrestrial Ecosystems 2011 land cover. This data layer is the 2011 update of the National Gap Analysis Program Land Cover Data - Version 2.2 for the conterminous U.S. The map legend includes types described by NatureServe's Ecological Systems Classification (Comer et al. 2003) as well as land use classes described in the National Land Cover Dataset 2011 (Homer et al. 2015). These data cover the entire continental U.S. and are a continuous data layer. These raster data have a 30 m x 30 m cell resolution.

Comer, P., D. Faber-Langendoen, R. Evans, S. Gawler, C. Josse, G. Kittel, S. Menard, M. Pyne, M. Reid, K. Schulz, K. Snow, and J. Teague. 2003. Ecological Systems of the United States: A Working Classification of U.S. Terrestrial Systems. NatureServe, Arlington, Virginia.

Homer, C.G., Dewitz, J.A., Yang, L., Jin, S., Danielson, P., Xian, G., Coulston, J., Herold, N.D., Wickham, J.D., and Megown, K., 2015, Completion of the 2011 National Land Cover Database for the conterminous United States-Representing a decade of land cover change information. Photogrammetric Engineering and Remote Sensing, v. 81, no. 5, p. 345-354.

USGS National Boundary Dataset

Summary
The USGS Governmental Unit Boundaries dataset from The National Map (TNM) represents major civil areas for the Nation, including States or Territories, counties (or equivalents), Federal and Native American areas, congressional districts, minor civil divisions, incorporated places (such as cities and towns), and unincorporated places. Boundaries data are useful for understanding the extent of jurisdictional or administrative areas for a wide range of applications, including mapping or managing resources, and responding to natural disasters. Boundaries data also include extents of forest, grassland, park, wilderness, wildlife, and other reserve areas useful for recreational activities, such as hiking and backpacking. Boundaries data are acquired from a variety of government sources. The data represents the source data with minimal editing or review by USGS. Please refer to the feature-level metadata for information on the data source. The National Map boundaries data is commonly combined with other data themes, such as elevation, hydrography, structures, and transportation, to produce general reference base maps. The National Map viewer allows free downloads of public domain boundaries data in either Esri File Geodatabase or Shapefile formats. For additional information on the boundaries data model, go to https://nationalmap.gov/boundaries.html.

Compiled: 01/18/2017