

CEDS Indicators: Environment

Indicator:	Land Cover and Stewardship
Measure:	Land area under protection
Baseline:	(tbd)
Data source:	Southeast GAP Analysis Project www.basic.ncsu.edu/segap/index.html www.gapservice.ncsu.edu/segap/segap/
Frequency of review:	Annual

Gap Analysis is a scientific means of assessing to what extent native animal and plant species are being protected. It can be done at a state, local, regional, or national level. According to the Southeast GAP Analysis Project:

“The Mission of the Southeast Gap Analysis Program (SE-GAP) is to provide data and assistance for regional assessments of the conservation status of native vertebrate species and natural land cover types and to facilitate the application of this information to land management activities.

This is accomplished through the following five objectives:

1. Mapping the land cover of the Southeast United States.
2. Mapping the predicted distributions of vertebrate species for the Southeast U.S.
3. Documenting the representation of vertebrate species and land cover types in areas managed for the long-term maintenance of biodiversity.
4. Providing this information to the public and those entities charged with land use research, policy, planning, and management.
5. Building institutional cooperation in the application of this information to state and regional management activities.”

This information source is still under review. Among the information is detailed land cover data as well as stewardship data that include ownership and management, and those lands that are legally protected. Preliminary review indicates that the stewardship data may particularly applicable to this project.

In the meantime, information on land use and land coverage is available from the Alabama Soil and Water Conservation Committee, 2007 Alabama Watershed Assessment which can be found at www.swcc.alabama.gov. This information is presented below.

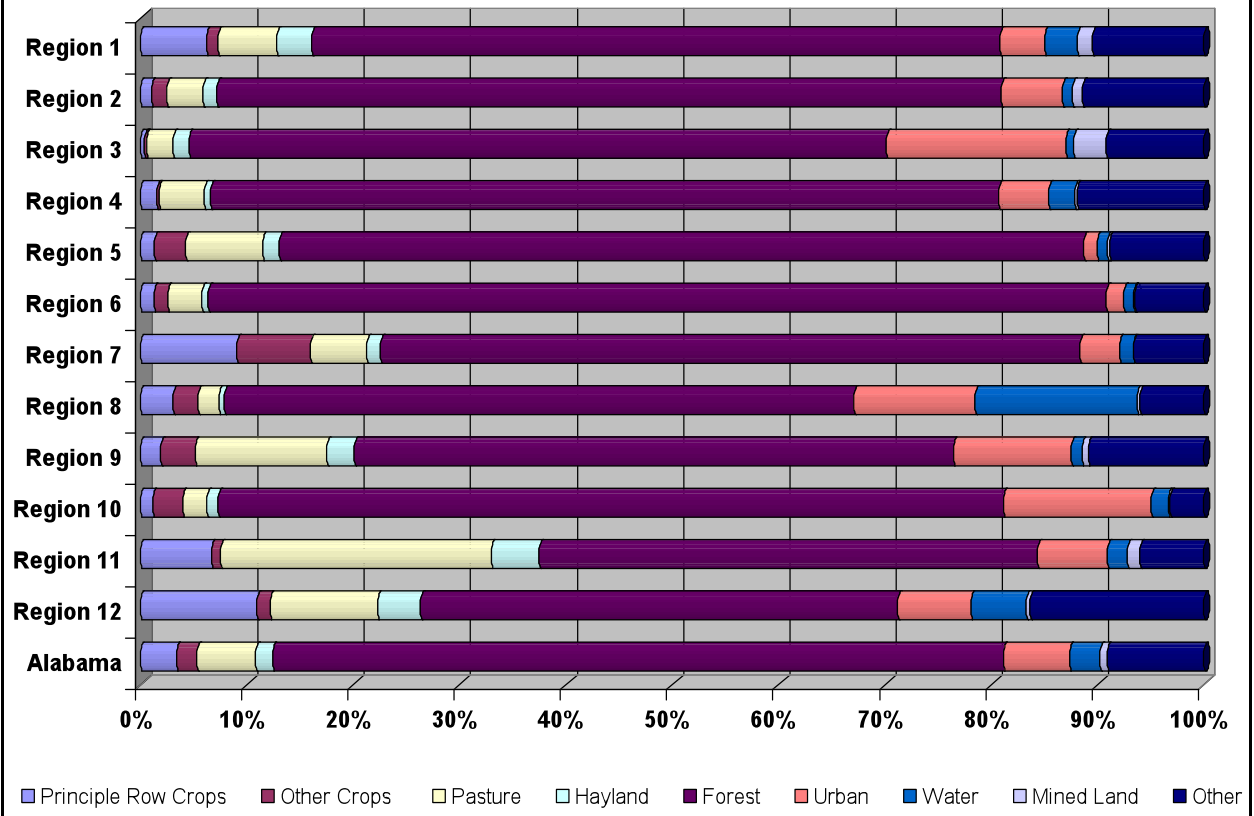
Land Use and Land Coverage by Region, 2007

Region	Principle Row Crops	Other Crops	Pasture	Hay land	Forest	Urban	Water	Mined Land	Other
Region 1	6.2%	1.2%	5.5%	3.3%	64.7%	4.1%	3.1%	1.4%	10.5%
Region 2	1.1%	1.5%	3.4%	1.3%	73.7%	5.7%	1.0%	0.9%	11.4%
Region 3	0.5%	0.1%	2.5%	1.5%	65.6%	16.9%	0.8%	3.0%	9.2%
Region 4	1.6%	0.2%	4.3%	0.6%	74.1%	4.7%	2.5%	0.2%	11.9%
Region 5	1.4%	2.9%	7.2%	1.6%	75.7%	1.2%	1.0%	0.2%	8.9%
Region 6	1.3%	1.3%	3.2%	0.6%	84.5%	1.6%	0.9%	0.1%	6.5%
Region 7	9.1%	6.9%	5.3%	1.3%	65.7%	3.7%	1.3%	0.1%	6.6%
Region 8	3.1%	2.3%	1.9%	0.5%	59.2%	11.4%	15.2%	0.3%	6.0%
Region 9	2.0%	3.2%	12.4%	2.5%	56.3%	11.1%	1.0%	0.6%	10.9%
Region 10	1.2%	2.8%	2.3%	1.0%	73.8%	13.9%	1.6%	0.2%	3.1%
Region 11	6.7%	0.9%	25.4%	4.5%	46.8%	6.6%	1.8%	1.2%	6.0%
Region 12	11.0%	1.3%	10.1%	4.1%	44.8%	6.9%	5.3%	0.3%	16.3%
Alabama	3.4%	1.9%	5.6%	1.6%	68.7%	6.2%	2.9%	0.6%	9.1%

Source: *Alabama Soil and Water Conservation Committee, 2007 Alabama Watershed Assessment, www.swcc.alabama.gov.*

Note: In a comparison of the total area of each geographical unit as reported in the 2000 Census and the area surveyed in the 2007 Watershed Assessment, it was noted that there is less than 1 percent discrepancy for all regions except Region 8, where there is a 4.4 percent discrepancy. In a county by county comparison, there was less than 1 percent discrepancy for all but four counties. Those counties with more than 1 percent discrepancy were: Baldwin, 6.2 percent; Mobile, 4.5 percent; Shelby, 19.4 percent; and St. Clair, -23.8 percent.

Land Use and Land Cover, 2007



Land Use and Land Coverage by County, 2007

County	Principle Row Crops	Other Crops	Pasture	Hay land	Forest	Urban	Water	Mined Land	Other Land
Alabama	3.4%	1.9%	5.6%	1.6%	68.7%	6.2%	2.9%	0.6%	9.1%
Autauga	2.3%	1.7%	4.7%	2.1%	73.6%	4.5%	1.1%	0.0%	10.0%
Baldwin	3.3%	3.2%	2.5%	0.6%	56.3%	14.2%	17.9%	0.0%	2.0%
Barbour	2.2%	2.8%	4.2%	1.7%	75.9%	4.7%	2.3%	0.3%	6.0%
Bibb	0.1%	0.0%	0.9%	0.4%	85.9%	4.5%	0.2%	0.8%	7.3%
Blount	1.2%	0.4%	2.1%	1.4%	58.5%	4.6%	0.8%	2.5%	28.5%
Bullock	0.4%	2.5%	2.3%	0.4%	78.6%	0.0%	0.7%	0.0%	15.1%
Butler	0.4%	1.6%	7.4%	0.8%	83.0%	3.1%	0.5%	0.0%	3.1%
Calhoun	1.7%	0.8%	5.1%	0.5%	61.4%	14.8%	1.1%	0.6%	14.1%
Chambers	0.2%	0.2%	3.1%	0.7%	83.1%	5.8%	1.6%	0.0%	5.4%
Cherokee	7.2%	0.0%	2.3%	0.9%	60.0%	3.3%	8.9%	0.1%	17.3%
Chilton	0.3%	0.0%	2.2%	1.9%	91.4%	4.1%	0.0%	0.0%	0.1%
Choctaw	0.1%	0.0%	0.4%	0.1%	99.2%	0.1%	0.0%	0.0%	0.1%
Clarke	0.1%	0.2%	0.2%	0.1%	90.4%	2.0%	3.1%	0.0%	3.8%
Clay	0.0%	0.1%	8.3%	0.1%	78.8%	3.4%	0.6%	0.0%	8.8%
Cleburne	0.2%	0.0%	3.3%	1.1%	87.7%	1.2%	0.6%	0.0%	6.0%
Coffee	8.6%	2.8%	6.1%	1.4%	67.9%	3.4%	1.9%	0.0%	8.0%
Colbert	10.1%	3.0%	3.3%	0.6%	57.0%	3.2%	9.6%	0.2%	13.0%
Conecuh	1.2%	0.1%	1.5%	0.6%	84.6%	6.3%	0.5%	0.2%	5.0%
Coosa	0.0%	0.0%	6.6%	0.1%	87.8%	0.5%	2.3%	0.0%	2.7%
Covington	3.7%	0.0%	4.9%	0.9%	75.4%	3.8%	1.4%	0.0%	9.9%
Crenshaw	1.4%	2.8%	3.8%	1.4%	82.3%	0.5%	0.8%	0.0%	7.0%
Cullman	1.6%	0.6%	29.6%	3.0%	48.0%	7.7%	2.6%	3.1%	3.7%
Dale	9.5%	4.6%	4.6%	1.3%	68.9%	5.2%	0.6%	0.1%	5.2%
Dallas	3.5%	9.8%	9.6%	1.1%	66.3%	2.1%	1.4%	0.1%	6.0%
DeKalb	4.2%	0.0%	6.9%	0.8%	47.3%	3.0%	0.5%	0.4%	37.0%
Elmore	3.1%	0.0%	2.9%	0.7%	63.7%	6.8%	1.7%	0.0%	21.2%
Escambia	6.0%	1.9%	0.5%	1.0%	75.4%	3.6%	1.0%	1.2%	9.4%
Etowah	2.2%	0.0%	1.8%	0.4%	65.1%	4.4%	0.7%	0.9%	24.6%
Fayette	1.3%	3.4%	0.8%	1.2%	82.9%	2.7%	0.0%	0.3%	7.3%
Franklin	1.5%	1.2%	2.7%	0.1%	74.0%	2.9%	3.0%	1.3%	13.2%
Geneva	14.2%	18.4%	5.6%	1.5%	54.5%	1.2%	1.9%	0.0%	2.7%
Greene	0.4%	5.6%	10.7%	2.4%	67.3%	2.0%	1.6%	0.0%	10.1%
Hale	1.1%	0.0%	6.7%	2.9%	45.0%	4.8%	0.0%	0.0%	39.5%
Henry	12.8%	11.4%	4.3%	1.0%	61.7%	1.3%	0.0%	0.2%	7.2%

County	Principle Row Crops	Other Crops	Pasture	Hayland	Forest	Urban	Water	Mined Land	Other Land
Houston	21.5%	16.9%	8.1%	1.6%	42.2%	5.5%	0.0%	0.0%	4.3%
Jackson	6.6%	1.3%	11.2%	1.8%	64.2%	5.3%	6.0%	0.8%	2.9%
Jefferson	0.0%	0.0%	0.9%	0.7%	48.7%	41.7%	0.8%	4.3%	2.9%
Lamar	1.0%	3.4%	3.7%	2.3%	81.9%	1.4%	1.0%	0.3%	5.0%
Lauderdale	17.6%	0.7%	18.7%	14.2%	39.8%	7.4%	0.0%	0.0%	1.7%
Lawrence	15.1%	1.9%	12.9%	1.9%	46.5%	7.7%	1.1%	0.0%	12.9%
Lee	0.5%	0.0%	1.9%	0.4%	69.6%	21.5%	1.9%	0.1%	4.1%
Limestone	30.4%	0.0%	28.1%	10.7%	19.5%	7.5%	3.9%	0.0%	0.0%
Lowndes	1.0%	3.5%	20.2%	4.2%	65.5%	1.2%	2.6%	0.0%	1.7%
Macon	1.7%	7.5%	0.6%	0.2%	78.3%	0.4%	0.3%	0.5%	10.3%
Madison	15.6%	2.1%	3.1%	5.4%	34.6%	12.4%	0.9%	0.1%	25.7%
Marengo	0.4%	0.1%	5.0%	0.6%	93.1%	0.1%	0.2%	0.1%	0.4%
Marion	1.4%	0.9%	1.4%	0.6%	77.0%	4.8%	0.8%	2.4%	10.7%
Marshall	2.4%	3.1%	3.8%	4.0%	44.8%	6.7%	16.8%	0.0%	18.5%
Mobile	1.3%	1.5%	2.2%	0.1%	52.9%	12.7%	20.5%	0.0%	8.8%
Monroe	4.4%	1.7%	2.0%	0.2%	80.6%	2.2%	0.2%	0.2%	8.7%
Montgomery	0.8%	7.0%	26.0%	4.4%	37.2%	19.8%	0.3%	1.4%	3.1%
Morgan	3.1%	0.0%	35.2%	9.6%	45.6%	4.0%	1.8%	0.3%	0.4%
Perry	2.0%	0.1%	6.2%	1.6%	65.8%	0.1%	0.0%	0.0%	24.1%
Pickens	2.6%	0.0%	1.7%	1.5%	78.8%	4.1%	1.4%	0.0%	10.1%
Pike	3.3%	0.1%	7.0%	2.0%	66.9%	1.5%	0.8%	0.5%	17.8%
Randolph	0.1%	0.5%	1.6%	0.3%	71.2%	3.5%	1.9%	0.1%	20.9%
Russell	1.9%	5.4%	2.7%	1.5%	77.9%	6.6%	1.3%	0.3%	2.2%
St. Clair	1.4%	0.2%	2.6%	1.3%	67.0%	17.6%	0.1%	0.9%	8.7%
Shelby	0.0%	0.2%	5.8%	2.8%	68.2%	17.7%	2.8%	0.1%	2.3%
Sumter	0.2%	0.0%	4.6%	0.4%	91.3%	0.7%	1.9%	0.1%	0.8%
Talladega	3.6%	0.0%	2.3%	1.1%	67.3%	4.7%	0.1%	0.4%	20.6%
Tallapoosa	0.9%	0.2%	7.4%	0.6%	77.9%	5.3%	6.5%	0.0%	1.3%
Tuscaloosa	0.8%	0.1%	1.5%	0.0%	73.9%	12.9%	1.8%	3.1%	5.8%
Walker	0.0%	0.0%	2.6%	1.6%	68.7%	1.8%	0.4%	8.6%	16.3%
Washington	0.5%	0.4%	0.2%	0.2%	87.7%	1.8%	0.2%	0.0%	9.1%
Wilcox	0.7%	0.0%	4.4%	1.0%	80.7%	0.9%	0.9%	0.0%	11.4%
Winston	0.1%	0.1%	0.2%	0.1%	76.7%	1.9%	2.8%	3.1%	14.9%

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