Data Deliverables for the Gulf Coast Landcover Analysis
June 2007

The following datasets were used to perform landcover change analyses for the Gulf Coast region of Louisiana, Mississippi, and Alabama, in part to evaluate the impact of Hurricane Katrina, with funding from the US Forest Service. The raster datasets (images and grids) were processed at American Forests from imagery provided by Sanborn Map Company. The vector datasets show the areas for which the imagery exists and over which the CITYgreen analyses were conducted.

_____

Fuels Classification\
Contains the surface fuels classification and metadata. The file extent includes the American Forests project boundary area as well as the additional Alabama counties that were added to the project for the State of Alabama.

LandcoverClassification\
Contains the landcover classification and metadata. This landcover classification should replace the classification that was delivered in March of 2007. It contains some updates that were identified during the fuels classification portion of the project.   There are two data extents in this directory: 'GulfCoast_2006_Final_Landcover.img' covers just the American Forests portion of the project while 'GulfCoast_2006_Final_Landcover_ExtendedArea.img' contains the American Forests area plus the additional counties produced for the State of Alabama

SFRAS_District_Results\
Contains the outputs and metadata from the SFRAS process. These are organized by state with a zip file for each district that was updated in the state.

Directories:

HighResolution
This directory contains **four classified 1 meter ArcInfo grids**. They were originally IKONOS satellite images that were classified by Sanborn Map Company into 5 basic landcover classes and then reconfigured as ArcInfo grids to make the class names consistent with CITYgreen requirements (**Impervious, Open, Trees, Bare, Water**). All are in the Mississippi East State Plan coordinate system with units of feet. Each contains a full metadata file that can be viewed in ArcCatalog.

Bilx2005_aq: This grid covers a portion of the city of Biloxi between Back Bay of Biloxi and the Gulf of Mexico, and contains all five landcover classes to be used for CITYgreen air quality analyses.

Bilx2005_sw: This grid covers a portion of the city of Biloxi between Back Bay of Biloxi and the Gulf of Mexico, and contains four landcover classes (Water was removed) to be used for CITYgreen stormwater analyses.

StLB2005_aq: This grid covers a 200 square mile drainage area for St Louis Bay, and contains all five landcover classes to be used for CITYgreen air quality analyses.

StLB2005_sw: This grid covers a 200 square mile drainage area for St Louis Bay, and contains four landcover classes (Water was removed) to be used for CITYgreen stormwater analyses.

Landsat

This directory contains two 30 meter Landsat images in ERDAS Imagine .img format for 48 counties and parishes in the Gulf Coast region of Louisiana, Mississippi, and Alabama, for the years 2001 and 2006. The images were classified into 23 landcover classes using NOAA's Coastal Change Analysis Program (C-CAP) system by Sanborn Map Company. The directory also contains four ArcInfo grids that were reconfigured from the above Landsat images for use in CITYgreen air quality and stormwater analyses. All are in the Albers Equal Area coordinate system with units of meters. Each contains a full metadata file that can be viewed in ArcCatalog.

GulfCoast_2001_NLCD_Landcover.img: This grid is a 2001 landcover image with 23 classes, available also from NOAA's C-CAP program: (http://www.csc.noaa.gov/crs/lca/locateftp.html).

GulfCoast_2006_Landcover.img: This grid is a 2006 landcover image with 23 classes. It was created by Sanborn Map Company by comparing 2001 and 2006 imagery, and updating those areas that changed between the two years.

Gulf2001_AQ: This grid is the above 2001 landcover image reconfigured to 8 classes (Cropland, Open Space, Pasture, Shrub, Trees, Urban, Bare, and Water) for use in CITYgreen air quality analyses. Wetland classes were merged with their upland counterparts (forested wetlands with trees, scrub/shrub wetland with shrub, etc).

Gulf2001_SW: This grid is the above 2001 landcover image reconfigured to 7 classes (Cropland, Open Space, Pasture, Shrub, Trees, Urban, and Bare) for use in CITYgreen stormwater analyses. Water and wetland classes were reclassified to NODATA.

Gulf2006_AQ: This grid is the above 2006 landcover image reconfigured to 8 classes (Cropland, Open Space, Pasture, Shrub, Trees, Urban, Bare, and Water) for use in CITYgreen air quality analyses (forested wetlands with trees, scrub/shrub wetland with shrub, etc).

Gulf2006_SW: This grid is the above 2006 landcover image reconfigured to 7 classes (Cropland, Open Space, Pasture, Shrub, Trees, Urban, and Bare) for use in CITYgreen stormwater analyses. Water and wetland classes were reclassified to NODATA.

Shapefiles

Biloxi_AOI.shp: Area of interest for part of Biloxi, Mississippi, between Back Bay of Biloxi and the Gulf of Mexico, covered by the high resolution images *Bilx2005_aq* and *Bilx2005_sw*.

GulfCoast_Counties.shp: 48 counties and parishes in Louisiana, Mississippi, and Alabama covered by the 30 meter Landsat imagery.

StLB_Cities.shp: Six municipalities within *StLB_AOI.shp* over which CITYgreen analyses were conducted.

StLB_AOI.shp: Area of interest for a 200 square mile drainage area of St Louis Bay, covered by the high resolution images *StLB2005_aq* and *StLB 2005_sw*.