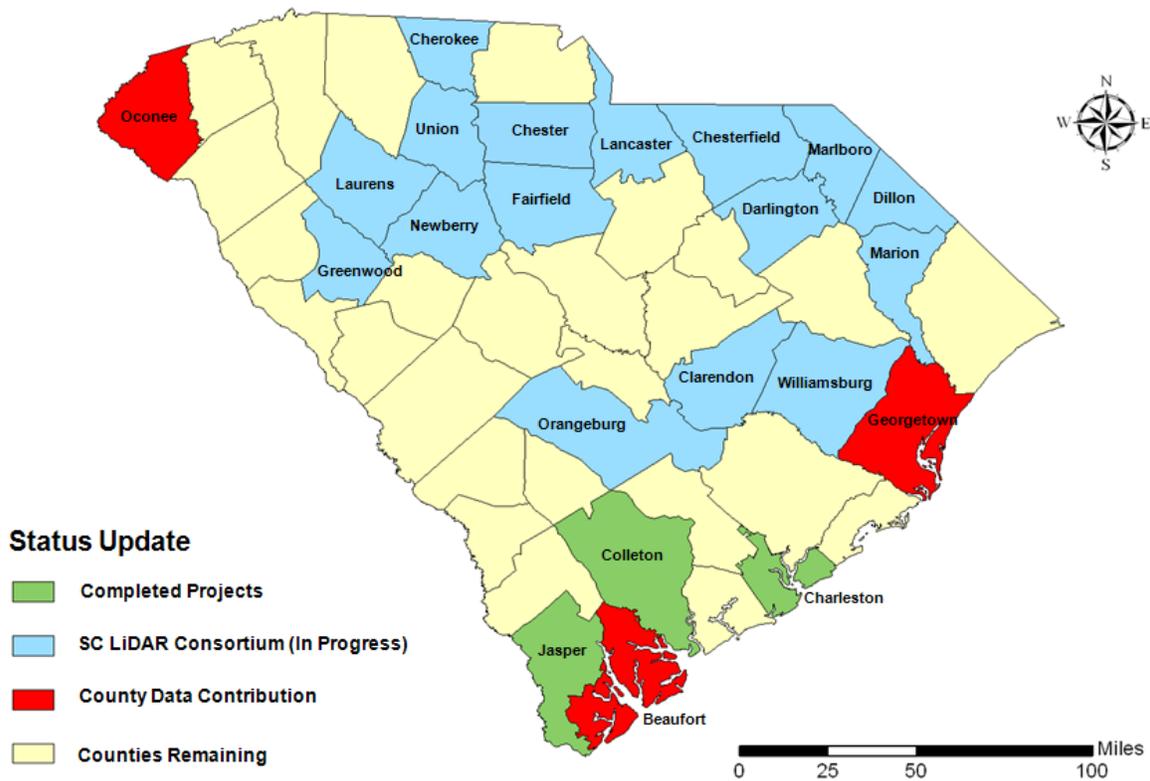


# South Carolina Statewide LiDAR



## Technical Specifications

### Vertical / Horizontal Accuracy

- 1.4-meters nominal point spacing (LAS and Bare-earth)
- 18.5 cm Vertical RMSE to support 2-foot contours
- 1.0-meter Horizontal RMSE
- Accuracy Tested at 95 percent confidence level

### Deliverable Products

- LAS Point Cloud data
- Geodatabase Terrain Surface (Bare-earth, TIN, 3D features)
- Intensity Images
- 3-D Hydro breaklines
- Quality Assurance Report

## In-kind Services

### South Carolina Geodetic Survey

- Checkpoint Surveys for Accuracy<sub>z</sub> Testing
- Testing is inclusive of 3 land cover categories
- 20 checkpoints minimum per category (60 per county)

### Consortium of State Universities and Colleges

- 10.0-foot DEMs (~ 3-meters)
- 2-foot Topographic Contours

## **File Sizes**

### **South Carolina (26,726 sq m - 42 counties)**

LAS Point Cloud	~ 5,837 GB	
1.4-meter bare-earth	~ 4,801 GB	
2-foot contours	~ 2,784 GB	
10-foot DEMs	~ 2,784 GB	
	~ 16,206 GB	16.2 Terra Bytes

## **On-line Storage Options**

**LAS Point Cloud** – Center for LiDAR Information Coordination and Knowledge (CLICK)

<http://lidar.cr.usgs.gov/>

<http://gisdata.usgs.net/website/lidar/viewer.php>

**Bare-earth DEMs** – *The National Map Seamless Server*

<http://seamless.usgs.gov/>

**South Carolina Department of Natural Resources**

<http://www.dnr.sc.gov/GIS/download.html>

## **August Consortium Member Meeting**

- Provide Project Updates
- Status on available Funding
- Decide counties for 2009 Flight

## **Consortium Members**

### **2008 in Progress (16 Counties Plus)**

Beaufort County  
Clemson (In-Kind)  
DHEC  
DNR  
DOE-SR  
DOT  
FEMA  
Georgetown County  
Oconee County  
PRT  
SCGS (In-kind)  
USC (In-kind)  
USACE  
USDA-FS  
USDA-NRCS  
USFWS  
USGS

### **Planning for 2009 / 2010**

City of Greenville  
Clemson (In-Kind)  
Darlington County  
Dept. of Insurance  
DNR  
DOT  
EMD  
Greenville County  
NPS  
USDA-NRCS  
Lexington County  
Orangeburg County  
PRT  
SCGS (In-kind)  
York County  
USC (In-kind)  
USGS