Lidar Phases

- Phase 1- Collected by USGS and NCFMP with Hurricane Sandy funds 2014
- Phase 2- collected by NCFMP and NCDOT in conjunction with USGS -2014
- Phase 3- collected by NCFMP and NCDOT with assistance from the General Assembly-2015
- Phase 4- collected by NCFMP and NCDOT-2016-17
- Phase 5- collected by NCFMP and NCDOT -2017

- Phase 1, 2, and 3
 - 2 points per square meter/linear sensor
- Phase 4 and 5
 - 8 points per square meter/Geiger sensor



All available Data will be provided on rmp.nc.gov/sdd

2016 Data Collection

Geiger Mode Sensor

- Pilot test area in Mecklenburg County.
 - 20 points per square meter with nominal post spacing of 0.7 meters.
 - 8 ppm deliverable at same or reduced cost.
 - Data collected will support a 9.25 cm (3.36 inches) RMSEz.



Linear Vs. Geiger



Geiger mode collects a far larger swath than linear mode LiDAR



Improved foliage penetration and reduced shadowing

Geiger 30 ppsm-Ground illumination



Ground within vertical obstruction



Geiger 30 ppsm – Ground illumination



Ground within vertical obstruction









https://sdd.nc.gov/sdd

Clip and Ship





NC Floodplain Mapping Program 4105 Rentr Crusti Drive Roleigh, NC 27607

Phone: (V19) 715-5711 Fae: (V19) 715-0408 Email: rmclipandship@ncdps.gov Mailing Address 4218 Mail Service Center Roleigh, NC 27899-4218







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	 All selected datasets will be delivered as a single zip file. It may take up to 24 hours to generate your zip. You will receive an email when your zip file is ready for download. 		SUBMIT REQUEST	1	
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Clip and Ship-Flood zone Data



Clip and Ship- DEMS



Clip and Ship- DEMS



Clip and Ship-Schools



Clip and Ship-Legacy



Clip and Ship-Legacy



Clip and Ship-Large Data Request

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NOAA Data Access Viewer

https://coast.noaa.gov/dataviewer/



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NOAA Winter Storm Imagery

https://storms.ngs.noaa.gov/storms/winter2018/index.html#10/38.8440/-75.0920





Questions

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