Contour line and hillshade layers were generated from the Lidar data tile and incorporated into this map product.

This map is not intended for use in navigation.


Project Description

This Lidar-derived topographic map was produced as a collaborative effort between the U.S. Geological Survey (USGS) and ETI Professionals, Contracted to USGS, St. Petersburg, FL.

Further Reading

The laser soundings used to create this map were collected during April 2005 by the NASA EAARL system mounted on a Cessna 310 aircraft. The EAARL uses a "waveform-resolving" green laser capable of mapping submarine and subaerial (land) topography in a single overflight. The EAARL system is typically flown at 300 m altitude AGL, resulting in a 240 m swath for each flightline. Data collection occurred with approximately 50% overlap between flightlines, resulting in about one laser sounding per square meter. The data were processed by the USGS FISC (Florida Integrated Science Center) office, St. Petersburg, FL to produce 1-meter resolution raster images that can be easily ingested into a Geographic Information System (GIS). The data were generated from the Lidar data tile and incorporated into this map product.

Further Reading

Brock, J.C., and Sallenger, A., 2001, Airborne topographic Lidar mapping for coastal science and resource management: Coastal and Marine Geology Program, the Northeast Coastal and Barrier Network of the National Park Service (NPS) Inventory and Monitoring Program, and the South Florida/Caribbean Network of the NPS Inventory and Monitoring Program, the South Florida/Caribbean Network of the NPS Inventory and Monitoring Program, the South Florida/Caribbean Network of the NPS Inventory and Monitoring Program.

Data Description


Coastal National Historical Park

USGS-NPS-NASA EAARL Bare Earth (BE) Lidar Topography

Map Tile 342000e_4120000n

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