FURTHER READING


DATA DESCRIPTION

The USGS Center for Coastal and Watershed Studies, St. Petersburg, FL, conducted airborne topographic lidar mapping for coastal science and resource management. The EAARL system is typically flown at 300 m altitude AGL, resulting in a 240 m swath (land) topography in a single overflight. The EAARL uses a 'waveform-resolving' green laser capable of mapping submarine and subaerial features in high detail. The laser soundings used to create this map were collected during July and August 2004 by the NASA EAARL system mounted on a Cessna 310 aircraft. The data were collected with approximately 50% overlap between flightlines, resulting in about one laser sounding per square meter. The data were processed by the USGS Center for Coastal and Watershed Studies to produce 1-meter resolution raster images that can be easily ingested into a Geographic Information System (GIS).

The elevation data were annotated using Universal Transverse Mercator (UTM) SPCS83 projections for the North American Vertical Datum of 1988 (NAVD88). An orthorectified QuickBird 2 panchromatic image was added to the finished product to provide a reference to the land surface. The data were generated from the lidar data tile and incorporated into this map product. The data were verified by ground-truthing and cross-examination with available bathymetric data. This map is not intended for use in navigation.

DIRECTIONS

- Northwest
- Northeast
- Southeast
- Southwest

Dry Tortugas National Park
USGS-NPS-NASA EAARL Submarine Topography
Map Tile 308000e_2722000n

USGS Center for Coastal and Watershed Studies, St. Petersburg, FL

NASA Wallops Flight Facility, Wallops Is., VA