This map is not intended for use in navigation.

This Lidar-derived topographic map was produced as a collaborative effort between the U.S. Geological Survey (USGS), the National Park Service (NPS), and the National Aeronautics and Space Administration (NASA) in 2007.

The laser soundings used to create this map were collected during August 2004 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 system is typically flown at 300 m altitude AGL, resulting in a 240 m swath.

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 organized as 2 km by 2 km data tiles in 32-bit floating-point integer GeoTiff format. Contour line and hillshade layers were generated from the Lidar data tile and incorporated into this map product.

The data were monitored of ecological and geological change within National Seashores. This product is based on data from an innovative monitoring of ecological and geological change within National Seashores. This product is based on data from an innovative project that created this product is to develop advanced survey techniques for mapping barrier island geomorphology and habitats, and to enable the monitoring of ecological and geological change within National Seashores.

The National Aeronautics and Space Administration (NASA) Wallops Flight Facility. The aim of the partnership that created this product is to develop advanced survey techniques for mapping barrier island geomorphology and habitats, and to enable the monitoring of ecological and geological change within National Seashores.

Assateague Island National Seashore
USGS-NPS-NASA EAARL Bare Earth (BE) Lidar Topography
Map Tile 484000e_4232000n

By John C. Brock, C. Wayne Wright, Matt Patterson, Amar Nayegandhi, and Laurinda J. Travers

2007

Further Reading


ETI Professionals, Contracted to USGS, St. Petersburg, FL

NPS South Florida/Caribbean Network Inventory and Monitoring Program, Miami, FL

NASA Wallops Flight Facility, Wallops Island, VA

U. S. Geological Survey, FISC, St. Petersburg, FL

John C. Brock

NATIONAL PARK SERVICE (NPS) AND THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)

Prepared in cooperation with the

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Prepared in cooperation with the

NATIONAL PARK SERVICE (NPS) AND THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)

The data were monitored of ecological and geological change within National Seashores. This product is based on data from an innovative project that created this product is to develop advanced survey techniques for mapping barrier island geomorphology and habitats, and to enable the monitoring of ecological and geological change within National Seashores.

The National Aeronautics and Space Administration (NASA) Wallops Flight Facility. The aim of the partnership that created this product is to develop advanced survey techniques for mapping barrier island geomorphology and habitats, and to enable the monitoring of ecological and geological change within National Seashores.

Assateague Island National Seashore
USGS-NPS-NASA EAARL Bare Earth (BE) Lidar Topography
Map Tile 484000e_4232000n

By John C. Brock, C. Wayne Wright, Matt Patterson, Amar Nayegandhi, and Laurinda J. Travers

2007

Further Reading


ETI Professionals, Contracted to USGS, St. Petersburg, FL

NPS South Florida/Caribbean Network Inventory and Monitoring Program, Miami, FL

NASA Wallops Flight Facility, Wallops Island, VA

U. S. Geological Survey, FISC, St. Petersburg, FL

John C. Brock

NATIONAL PARK SERVICE (NPS) AND THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)

Prepared in cooperation with the

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Prepared in cooperation with the

NATIONAL PARK SERVICE (NPS) AND THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)