Map Tile 554000e_2764000n_17z

Florian Keys National Marine Sanctuary
USGS-NASA-NOAA-NPS EAARL Submarine Topography

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Further Reading

The laser soundings used to create this map were collected in April 2006 by the NASA EAARL system mounted on a NOAA Twin Otter aircraft. The EAARL uses a "waveform-resolving" green laser capable of mapping submerged and sub-aerial (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 Florida Integrated Science Center to produce 1-meter resolution raster images that can be easily ingested into a Geographic Information System (GIS) software. The data were organized as 2 km by 2 km data tiles in 32-bit floating-point integer GeoTiff format.

Data Description

1. AERIAL TOPOGRAPHY (SEAFLOOR)
2. CONTOURS
3. HILLSHADE
4. SAND/GRASS
5. ROCK/DEBRIS
6. TIDAL FLAT
7. SUBMERGED REEFS
8. SUBMERGED MARMOLE
9. SUBMERGED FISHING EQUIPMENT
10. SAND DUNES
11. LAGOON
12. OTHER

The data were derived from multibeam sonar surveys conducted by the USGS Florida Integrated Science Center to produce 1-meter resolution raster images that can be easily ingested into a Geographic Information System (GIS) software. The data were organized as 2 km by 2 km data tiles in 32-bit floating-point integer GeoTiff format.

Scales and Projections

Universal Transverse Mercator. 1983 North American Datum-Zone 17 North

Zonal Projection:

NORTH AMERICAN VERTICAL DATUM OF 1988

Scale

1:2500

Legend

NO DATA

1:2500000

Florida Keys National Marine Sanctuary

NO DATA

2007

FLORIDA KEYS NATIONAL MARINE SANCTUARY STUDY AREA

Map Location and Corresponding Map Tile

TILE 43 of 46 (ST)

APPLICATION AND CORRESPONDING SCALE IN MILLIONTHS OF AN INCH