



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
National Ocean Service  
Silver Spring, Maryland 20910

**PROVISIONAL TIDE NOTE FOR HYDROGRAPHIC SURVEY**

**DATE :** December 16, 2016

**HYDROGRAPHIC BRANCH:** Atlantic

**HYDROGRAPHIC PROJECT:** OPR-G309-FH-2016\_ Revised3

**HYDROGRAPHIC SHEET:** H12930

**LOCALITY:** South Frying Pan Shoal, Approaches to Wilmington, NC

**TIME PERIOD:** August 18 - November 8, 2016

**TIDE STATION USED:** 8658163 Wrightsville Beach, NC

Lat. 34° 12.8'N Long. 77° 47.2' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters

**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 1.206 meters

**ESTIMATED ZONING ERROR:** 0.37 meters

**REMARKS: RECOMMENDED ZONING**

**Use zone(s) identified as:** SA108, SA109A

**Refer to attachments for zoning information.**

**Note 1:** Provided time series data are tabulated in metric units (meters), relative to MLLW and on Greenwich Mean Time on the 1983-2001 National Tidal Datum Epoch (NTDE).

**Note 2:** Annual leveling for Wrightsville Beach, NC (8658163) was not completed in the past year. A review of the verified leveling records from October 2006 to October 2015 shows the tide station benchmark network to be stable within an allowable 0.009 m tolerance. This Tide Note may be used as final stability verification for survey OPR-G309-FH-2016\_Rev3, H12930. CO-OPS will immediately provide a revised Tide Note should subsequent leveling records indicate any benchmark network stability movement beyond the allowable 0.009 m tolerance.

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CHIEF, PRODUCTS AND SERVICES BRANCH

