



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

PROVISIONAL TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE : September 13, 2016

HYDROGRAPHIC BRANCH: Atlantic
HYDROGRAPHIC PROJECT: OPR-E350-TJ-2016
HYDROGRAPHIC SHEET: H12866

LOCALITY: Willoughby Bank, Chesapeake Bay, VA
TIME PERIOD: April 06 - August 25, 2016

TIDE STATION USED: Kiptopeke, VA 8632200
Lat. 37° 09.9' N Long. 75° 59.3' W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.827 meters

TIDE STATION USED: Yorktown, VA 8637689
Lat. 37° 13.6' N Long. 76° 28.7' W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 1.319 meters

TIDE STATION USED: Sewells Point, VA 8638610
Lat. _____ N Long. 76° 19.8' W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.778 meters

TIDE STATION USED: Chesapeake Bay Bridge Tunnel, VA 8638863
Lat. 36° 58.0' N Long. 76° 06.8' W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.814 meters

REMARKS: Recommended Grid

Please use the TCARI grid "E350TJ2016.tc" as the final grid for project OPR-E350-TJ-2016, H12866, during the time period between April 06 - August 25.

Refer to attachments for grid 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: Survey tracklines fall outside of the TCARI grid boundaries in some areas due to inaccurate shoreline. TCARI will extrapolate the tide corrector to cover these soundings.

Note 3: Annual leveling for Sewells Point (8638610) was not completed in FY16. A review of the verified leveling records from October 2005 - 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-E350-TJ-2016, H12866. 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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