



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

**TIDE NOTE FOR HYDROGRAPHIC SURVEY**

**DATE :** July 13, 2016

**HYDROGRAPHIC BRANCH:** Atlantic  
**HYDROGRAPHIC PROJECT:** M-I907-NF-16  
**HYDROGRAPHIC SHEET:** H12936

**LOCALITY:** 10 NM North of Isla de Culebra  
**TIME PERIOD:** April 19 - 26, 2016

**TIDE STATION USED:** Lime Tree Bay, St. Croix, VI 975-1401  
Lat.17° 41.7' N Long. 64° 45.2' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 0.214 meters

**TIDE STATION USED:** Esperanza, PR 975-2695  
Lat.18° 05.6' N Long. 65° 28.3' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 0.221 meters

**TIDE STATION USED:** San Juan, PR 975-5371  
Lat.18° 27.6' N Long. 66° 07.0' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 0.400 meters

**TIDE STATION USED:** Magueyes Island, PR 975-9110  
Lat.17° 58.2' N Long. 67° 02.8' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 0.201 meters

**REMARKS: RECOMMENDED Grid**

Please use the TCARI grid "NF1601" as the final grid for project M-I907-NF-16, H12936, during the time period between April 19 - 26, 2016.

**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:**

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CHIEF, PRODUCTS AND SERVICES BRANCH

