



LOCATION MAP

# ARECIBO HARBOR ARECIBO, PUERTO RICO HYDROGRAPHIC EXAM SURVEY FY15 25-FOOT PROJECT

**SURVEY NOTES**

- REFER TO SURVEY NO. 15-006.
  - TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW USING AN ORTHOMETRIC HEIGHT OF -0.81'. THIS VALUE WAS TAKEN FROM THE KINEMATIC TIDE DATUM FILE (KTD) "ARECIBO-2011APRIL06.KTD" WHICH WAS NOT USED.
  - ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
  - PLANE COORDINATES ARE BASED ON THE LAMBERT CONIC PROJECTION FOR PUERTO RICO AND THE U.S. VIRGIN ISLANDS, NORTH ZONE, AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
  - ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
  - ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
  - THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:  
REFERENCE BASE LOCATED AT "975-7809 A TIDAL" (OPUS PID: DO1529)
  - DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW. TIDAL EPOCH 1983-2001, AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCH MARK ASSOCIATED WITH THE TIDE GAGE SITE SPECIFIED BELOW:  
NOAA TIDAL STATION 975-7809 B TIDAL FOR REACH 1 AND 2 (PID: DO1528)
  - VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER DUAL-FREQUENCY 28/200 KHZ SINGLE-BEAM TRANSDUCER. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY (200KHZ).
- | VESSEL | DATE OF SURVEY | CUT         |
|--------|----------------|-------------|
| WB-38  | 26 OCT 2014    | REACH 1 & 2 |
- AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
  - THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY.
  - SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 30 NOV 2013.

LEGEND	
	MONUMENT
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	PROJECT DEPTH

US Army Corps of Engineers  
Jacksonville District  
SAFETY ON THIS JOB  
DEPENDS ON YOU

DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS  
JACKSONVILLE, FLORIDA

Call by: GRL  
Designed by: WRM  
Drawn by: WRM  
File No: WSP25-000-0000  
Date: 01/01/15

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ARECIBO HARBOR EXAMINATION SURVEY FY15  
INDEX, LOCATION AND VICINITY  
15-0000-1001.DGN  
File name:

**ARECIBO HARBOR  
ARECIBO, PUERTO RICO  
HYDROGRAPHIC EXAMINATION SURVEY FY15  
25-FOOT PROJECT  
INDEX, LOCATION AND VICINITY  
MAP**

Scale: AS SHOWN  
Drawing no. **1**  
SHEET 01 OF 02

