



# DAYTONA BEACH SIDE CHANNEL VOLUSIA COUNTY, FLORIDA PROJECT CONDITION SURVEY FY20 8-FOOT PROJECT

### SURVEY NOTES

- REFER TO SURVEY NO. 20-154.
- SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
- TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPERKINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "VOLUSIA-BREVARD\W-O\_CANAVERAL\HBR\_2016 05 06.KTD".
- ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
- PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
- 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 "DSC 101" (PID: BFFF26)
- DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). A MODIFIED VERSION OF NOAA'S VDATUM MODEL WAS USED TO CALIBRATE TO THE PUBLISHED MLLW HEIGHT OF THE BENCHMARK BELOW:  
NGS BENCHMARK USED FOR ENTIRE PROJECT (PID: AQ1151)  
VERTICAL MEASUREMENTS WERE MADE USING AN R2 SONIC 2020 MULTI-BEAM OPERATING AT 300 KHZ. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.
- VESEL: SV-WELLS DATE OF SURVEY: 15 APR 2020 CUT: DAYTONA SIDE CHANNEL
- 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

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DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	DAYTONA BEACH VOLUSIA COUNTY, FLORIDA <b>PROJECT CONDITION SURVEY FY20 8-FOOT PROJECT</b> INDEX, LOCATION AND VICINITY MAP
Scale: AS SHOWN	Drawing no. <b>1</b>
SHEET 01 OF 02	



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G*1	DBN-1 (04/20)	652,599	1772,756	29°12'37.05"	81°00'40.26"
R*2	DBN-2 (04/20)	652,584	1772,843	29°12'37.91"	81°00'40.43"
G*3	DBN-3 (04/20)	652,333	1772,637	29°12'33.87"	81°00'42.69"
R*4	DBN-4 (04/20)	652,338	1772,743	29°12'33.63"	81°00'43.21"
G*5	DBN-5 (04/20)	651,905	1772,380	29°12'33.33"	81°00'48.10"
R*6	DBN-6 (04/20)	651,855	1772,458	29°12'34.11"	81°00'48.66"



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Rev.	Date	Description

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

Checked by: GHR  
Designed by: WRM  
Drawn by: WRM  
In Use: 08/25/2009  
Date: APR 2020

XXXXXXXXXXXXXXXXXXXX.DGN  
0015AHAN.DGN  
2015AHAAU.DGN  
2015AHAAU\_SIBEDCHANN.DGN  
0015AHAAU\_SIBEDCHANN\_INTERM.DGN  
0015AHAAU\_SIBEDCHANN\_FINAL.DGN  
2015AHAAU\_SIBEDCHANN\_FINAL.DGN  
2015AHAAU\_SIBEDCHANN\_FINAL.DGN

**DAYTONA BEACH, FLORIDA**  
**VOLUSIA COUNTY, FLORIDA**  
**PROJECT CONDITION SURVEY FY20**  
**8-FOOT PROJECT**  
STA. -0+62.52 THRU STA. 11+89.88 DAYTONA SIDE CHANNEL

Scale: AS SHOWN  
Drawing no. **2**  
SHEET 02 OF 02