PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY20
7, 12 AND 15-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 20-163.
2. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINETIC
KNOCKOUT AND BLACKTOP DATUM. DLA PROJECT 14901-1511A-980820-00.

3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY
A "H" SIGN.

4. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR
PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO
NORTH AMERICAN DATUM OF 1983 (NAD83).

5. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.

6. THE SURVEY WAS PERFORMED USING REAL-TIME KINETIC (STK) GPS
POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:
REFERENCE BASE LOCATED AT 872-1147 TIDAL A (OPUS PID: DKX6692)
TIDE STAFF SET FROM "872 1147 TIDAL 1 (NGS PID: AQ1522)

7. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL
HEIGHTS REPORTED 1993-2021, AS RECORDED BY THE NATIONAL
GEODATAS AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S NAVIGATIONAL
ALTIMETER (NGS) MDM WAS USED AND CALIBRATED TO THE PUBLISHED MLLW
HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE 14" GAUGE SITES SPECIFIED
AS SHOWN.

8. NOAA TIDAL STATION 872-1147 TIDAL, A (OPUS PID: DKX6692) FOR ALL CUTS.

9. VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER
MODEL RNK WITH A DUAL-FREQUENCY (2000 KHZ) SINGLE-BEAM TRANS-
DUCER. ALL SOUNDINGS SHOWN ARE WITH MLLW FREQUENCY.

10. VESSEL DATE OF SURVEY CUT
55-36 14 APR 2020 CUTS 1B, 1A, 4A, 5B, 13N
55-36 15 APR 2020 CUTS 4B, 1A, 5B, 5N, 13N
56-44 17 APR 2020 CUTS 1B, 1A, 4A, 4N, 3N, 13N
56-44 17 APR 2020 LIGHTED BUOY AND MONUMENT ON CENTERLINE
56-44 21 APR 2020 CUTS 4B, 1B, 13N
56-44 21 APR 2020 CUTS 4A, 1A, 1B, 2A, 4N, 5N

11. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.

12. THE INFORMATION PRESENTED 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.
NOTES: DEPTH SHOWN IS THE DISTRIBUTION OF AVAILABLE DEPTHS AT
THE TIME OF THE SURVEY.

13. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL,
AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS
SURVEY. DLA PROJECT 14901-1511A-980820-00. HYDROGRAPHIC
SURVEYING, 30 NOV 2020.

LEGEND
• MONUMENT
• BOUNDARY MARK
• NEIGHBORING
• WELDED SHIP'S BUOY
• OPEN LIGHTED BUOY
• MARKED MARK
• TIDE STAFF
• PROJECT DEPTH
<table>
<thead>
<tr>
<th>MAP</th>
<th>AIDS TO NAVIGATION</th>
<th>PLANE COORDINATES</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>176</td>
<td>C176 &amp; C176 &amp; C176</td>
<td>87.95 111.27</td>
<td>28° 25.46</td>
<td>-80° 41.46</td>
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CAN BUOY-1 (04/20)

US Army Corps of Engineers

SAFETY ON THIS JOB

SHEET OF

20163-VA-NPC-NAV.DGN

Scale:

20163-VA-SON,C13N.DGN

AS SHOWN

20163-VA-SOON,C12N.DGN

PONCE INLET-CavingS-2017.DGN

In v. No.

Date d:

Reference files:

JA C k Son V il l e,  F l ori da