DESIGN AUTHENTICATION:

PROJECT: FDEP Joint Coastal Permit Application
Naples to Gordon Pass (Cut-1 to Cut-7) Maintenance Dredging Project
Permit Application No. 0176979-006-JC

ATTACHED PLAN SHEETS:

The attached plans were prepared by the Jacksonville District, U.S. Army Corps of Engineers (USACE). The initials or signatures and registrations designations of the signatory below or that appear on these project documents are within the scope of employment as required by USACE Engineering Regulation 1110-1-8152, PROFESSIONAL REGISTRATION, 8 Aug 1995, and are not made in the individual capacity of the signatories.

USACE employee signatures are provided in support of the “Interagency Coordination Agreement for Civil Works Projects”, signed 28 Feb 2006 by the Florida Department of Environmental Protection, the USACE Jacksonville District, and USACE Mobile District.

These plans are for permitting purposes only, and are not for construction.

Mr. James J. Mc Adams, P.E. 42674
Supervisory Environmental Engineer
Water Quality and Compliance Section

14 sheets dated May 2012. Includes revision from November 2012.
# NAPLES TO GORDON PASS (CUT-1 TO CUT-7) MAINTENANCE DREDGING PROJECT

## INDEX TO DRAWINGS

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## SURVEY NOTES:

1. REFER TO SURVEY NO. 10-140.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS FOR POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:
   - "REFERENCE BASE LOCATED AT "5 711""
   - "TIDE STAFF LOCATED FROM "5 711" (4.59' MLLW)"
   - VERTICAL MEASUREMENTS WERE MADE USING A ROSS 835 SMART-SOUNDER DUAL FREQUENCY 28/200KHZ SINGLE-BEAM TRANSDUCER. SOUNDINGS FOR CUTS 1-7 ARE SHOWN IN HIGH FREQUENCY (200KHZ) AND SOUNDINGS FOR CUTS 8-15 AND THE TURNING BASIN ARE SHOWN IN LOW FREQUENCY (28KHZ).
8. AID TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
9. 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 AND IS NOT TO BE USED FOR NAVIGATION.
10. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USAGE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 1 JAN 02.

## Abbreviations:

- APPROX. = APPROXIMATE
- DMMA = DREDGED MATERIALS MANAGEMENT AREA
- DWG. = DRAWING
- EL. = CENTERLINE
- E. = ELEVATION
- EQ. = EQUALLY
- FT. = FOOT/FEET
- MLLW. = MEAN LOWER LOW WATER
- NAVD88. = NORTH AMERICAN VERTICAL DATUM OF 1988
- NT = NOT TO SCALE
- RGE. = RANGE
- STA. = STATIONING
- SPA. = SPACED
- TYP. = TYPICAL
- USACE. = UNITED STATES ARMY CORPS OF ENGINEERS
- USCG. = UNITED STATES COAST GUARD

## Relationship Between NAVD 1988 and NOAA Tide Gauge "NAPLES, GULF OF MEXICO, FL" (8725110)

![Relationship Diagram](image)

**FILE NAME:** NAPLESFY012-NPL-01.DGN  **DEP: FFL**  **DATE:** MAY 2012  **MAY 2012**  **FILE NAME:** NAPLESFY012-NPL-01.DGN

## GENERAL NOTES, ABBREVIATIONS, INDEX TO DRAWINGS, LEGEND AND LOCATION MAPS

**DEPARTMENT OF THE ARMY**  **MAINTENANCE DREDGING**  **10-FT AND 12-FOOT PROJECT**  **NAPLES TO GORDON PASS (CUT-1 TO CUT-8)**

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PERMIT DRAWINGS

PERMIT # 17697.9006

MATCHLINE • PLATE 8 • STA. 0+50

STA 0+00

m

US Army Corps of Engineers
Jacksonville District

PERMIT DRAWINGS
(NOT FOR CONSTRUCTION)

FILENAME
NAPLES FY 12-C - PL-07.DGN

DWSBY:
J .D .B.

NAPLES TO GORDON PASS (CUT-1 TO CUT-8)
COLLIER COUNTY, FL

MAINTENANCE DREDGING
10-FT AND 12-FOOT PROJECT

CU-T-2 TO CUT-4
STA. 14+00 (CUT-2) - STA. 0+50 (CUT-4)

PLATE: 7
OF 14
DATED
MAY 2012

DSNSBY:
J.D.B.

ACKS NIVILE DISTRICT, CO RPS OF EN G IN ERS
JACKSONVILLE, FLORIDA

DEPARTMENT OF THE ARMY

SCALE:
AS SHOWN

CKDBY:
R.I.M.

NOTES:
1. REFER TO SURVEY NO. 10-140.
2. SEE PLATE 1 FOR SURVEY NOTES.
3. SEE PLATE 1 FOR GENERAL NOTES AND LEGEND

KEY PLAN
NOT TO SCALE

GRAPHIC SCALE

100' 200'

NOTES:
1. REFER TO SURVEY NO. 10-140.
2. SEE PLATE 1 FOR SURVEY NOTES.
3. SEE PLATE 1 FOR GENERAL NOTES AND LEGEND

CULTURAL RESOURCE BUFFER
(E: 394199, N: 641748)
RADIUS = 100'

10-FOOT REQUIRED DEPTH PLUS
2-FOOT ALLOWABLE OVERDEPTH
MAINTENANCE DREDGING PROJECT LIMITS
NOTES:
1. REFER TO SURVEY NO. 10-140
2. SEE PLATE 1 FOR SURVEY NOTES.
3. SEE PLATE 1 FOR GENERAL NOTES AND LEGEND

Gulf of Mexico

CUT-7
CULTURAL RESOURCE BUFFER
(E: 397881, N: 644555)
RADIUS = 200'

10-FOOT REQUIRED DEPTH PLUS
2-FOOT ALLOWABLE OVERDEPTH
MAINTENANCE DREDGING PROJECT LIMITS
NOTES:
1. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. SURVEY PROFILE DATA BASED ON DATA OBTAINED FROM SEA DIVERSIFIED, INC. AND DATED OCTOBER 2011.
PERMIT # 176979006

AREA TO BE DREDGED

SETTLING BASIN

PROJECT CHANNEL (CUT-1)

EXISTING BOTTOM

12-FOOT REQUIRED DEPTH

2-FOOT ALLOWABLE OVERDEPHT

STA. 30+00 CUT-1

SCALES: HORIZ. "A"

VERT. "B"

AREA TO BE DREDGED

PROJECT CHANNEL (CUT-1)

EXISTING BOTTOM

12-FOOT REQUIRED DEPTH

2-FOOT ALLOWABLE OVERDEPHT

STA. 22+50 CUT-7

SCALES: HORIZ. "A"

VERT. "B"

NOTES:

1. REFER TO SURVEY NO. 05-130 & 11-521.
2. SEE PLATE 3 & 6 FOR SURVEY NOTES.