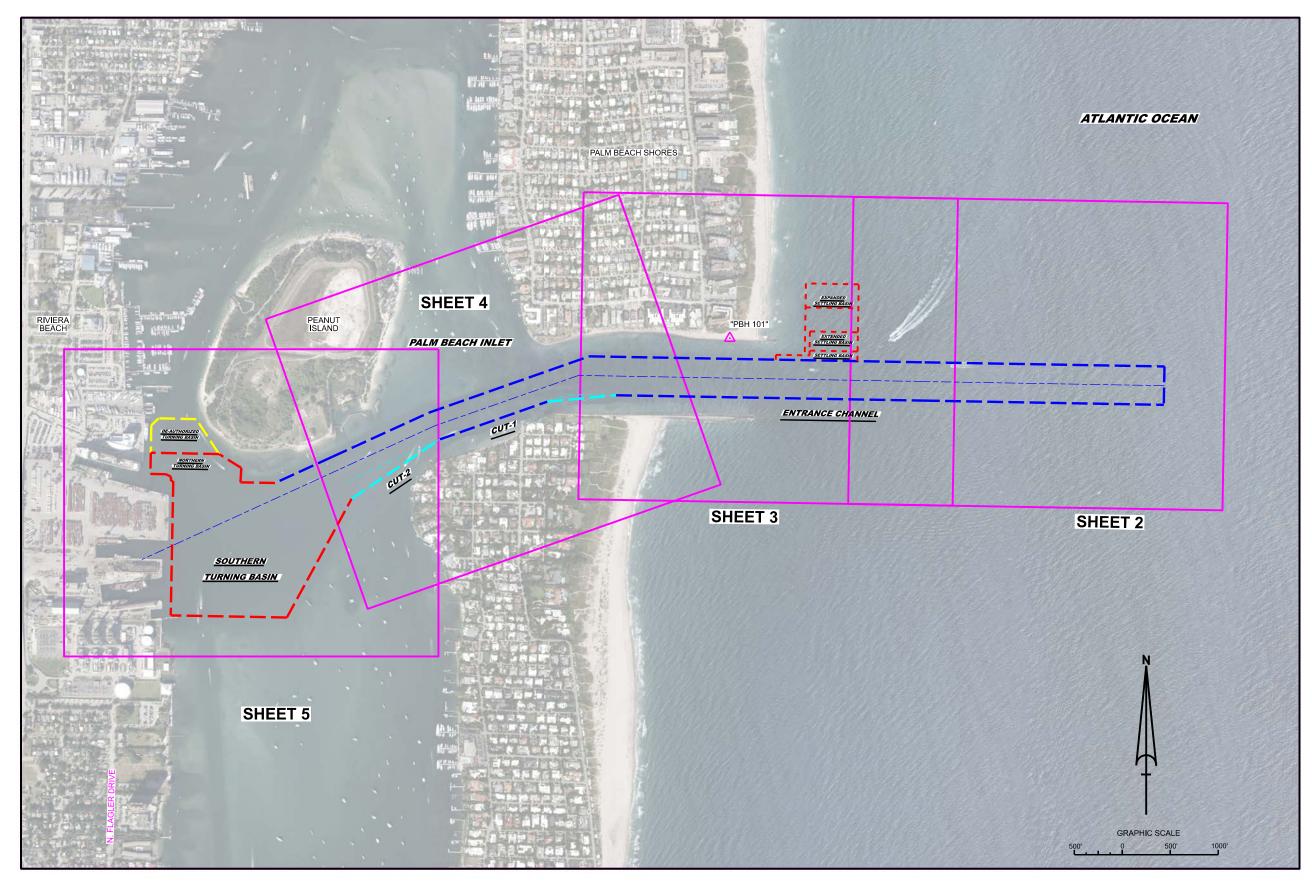


PALM BEACH HARBOR, FLORIDA MAY HYDROGRAPHIC EXAM SURVEY FY24 25, 33, 35, 37 & 39-FOOT PROJECT

4



SURVEY NOTES

- 1. REFER TO SURVEY NO. 24-139.
- 2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
- 3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "PALMBEACH_2018 05 03.KTD".
- 4. 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 THE CURRENT REALIZATION OF THE NORTH AMERICAN DATUM OF 1983 (NAD83), BASED ON THE NOAA NATIONAL SPATIAL REFERENCE SYSTEM (NSRS).
- 6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNE
- THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONIN WITH THE FOLLOWING REFERENCE BASE LOCATION:
- REFERENCE BASE LOCATED AT "PBH 101" (PID: BBGN27)
- TIDE STAFF LOCATED FROM "COE A 310 RESET" (PID: BBGN25)
- 8. 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 ASSOCIATED PLOW.
- NOAA TIDAL STATION 872-2588, PORT OF W. PALM BEACH, LAKE WORTH (PID: BBGN25)
- VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 6205 AND A R2 SONIC MULTI-BEAM SYSTEM. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

 VESSEL
 DATE OF SURVEY
 CUT

 SV EL MORRO
 13 MAY 2024
 TURNING BASIN, CUT-2

 SB-48
 14 MAY 2024
 CUT-1

 SV EL MORRO
 14 MAY 2024
 ENTRANCE CHANNEL

 SV EL MORRO
 16 MAY 2024
 ENTRANCE CHANNEL

 SV EL MORRO
 24 MAY 2024
 ENTRANCE CHANNEL

- 10. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
- 11. 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.
- 12. 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	
Δ	MONUMENT
V	LIGHTED BEACON
	GREEN DAYBEACON
A	RED DAYBEACON
8	RED LIGHTED BUOY
₽	GREEN LIGHTED BUOY
γ°	CAN BUOY
P _N	NUN BUOY
8	TIDE STAFF
8	PROJECT DEPTH

