ALAFIA RIVER
(TAMPA HARBOR ZONE 8)
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY19
33 AND 34-FOOT PROJECT

LEGEND

1. REFER TO SURVEY NO. 19-1433.
2. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW) NAVD88. TIDE REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TRANSVERSE MERCATOR (TDEFT) MATCHING WITH A MODIFIED VERSION OF NOAA'S VDATUM MODEL WAS USED TO CALIBRATE TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS BELOW.
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TRANSVERSE MERCATOR (TDEFT) MATCHING WITH A MODIFIED VERSION OF NOAA'S VDATUM MODEL.WAS USED TO CALIBRATE TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS BELOW.
4. ALL STATIONING REFER TO THE CENTERLINE OF THE CHANNEL.
6. ALL CUTS REFER TO THE CENTERLINE OF THE EXAM.
7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TRANSVERSE MERCATOR (TDEFT) MATCHING WITH A MODIFIED VERSION OF NOAA'S VDATUM MODEL WAS USED TO CALIBRATE TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS BELOW.
8. VERTICAL MEASUREMENTS WERE MADE USING A ROSS MODEL 835 TIDE STAFF LOCATED FROM "Q-261" (NGS PID: AG6024) TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS BELOW.
9. ALL STATIONING REFER TO THE CENTERLINE OF THE EXAM.
10. TIDE STAFF LOCATED AT "Q-261" (NGS PID: AG6024) AND REFERENCED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS BELOW.
11. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND SURVEY NOTES

SURVEYING, 30 NOV 2013.
SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY.
THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY. OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME.

AFP: 501-08-001 TII -10 MLLW, 28/200 KHZ SMARTSOUNDER WITH A DUAL-FREQUENCY (28/200 KHZ) SINGLE-BEAM TRANSDUCER. SOUNDINGS SHOWN ARE IN LOW FREQUENCY.

HYDROGRAPHIC EXAMINATION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO TIDE STAFF LOCATED FROM "Q-261" (NGS PID: AG6024) REFERENCE BASE LOCATED AT "Q-261" (NGS PID: AG6024) POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

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