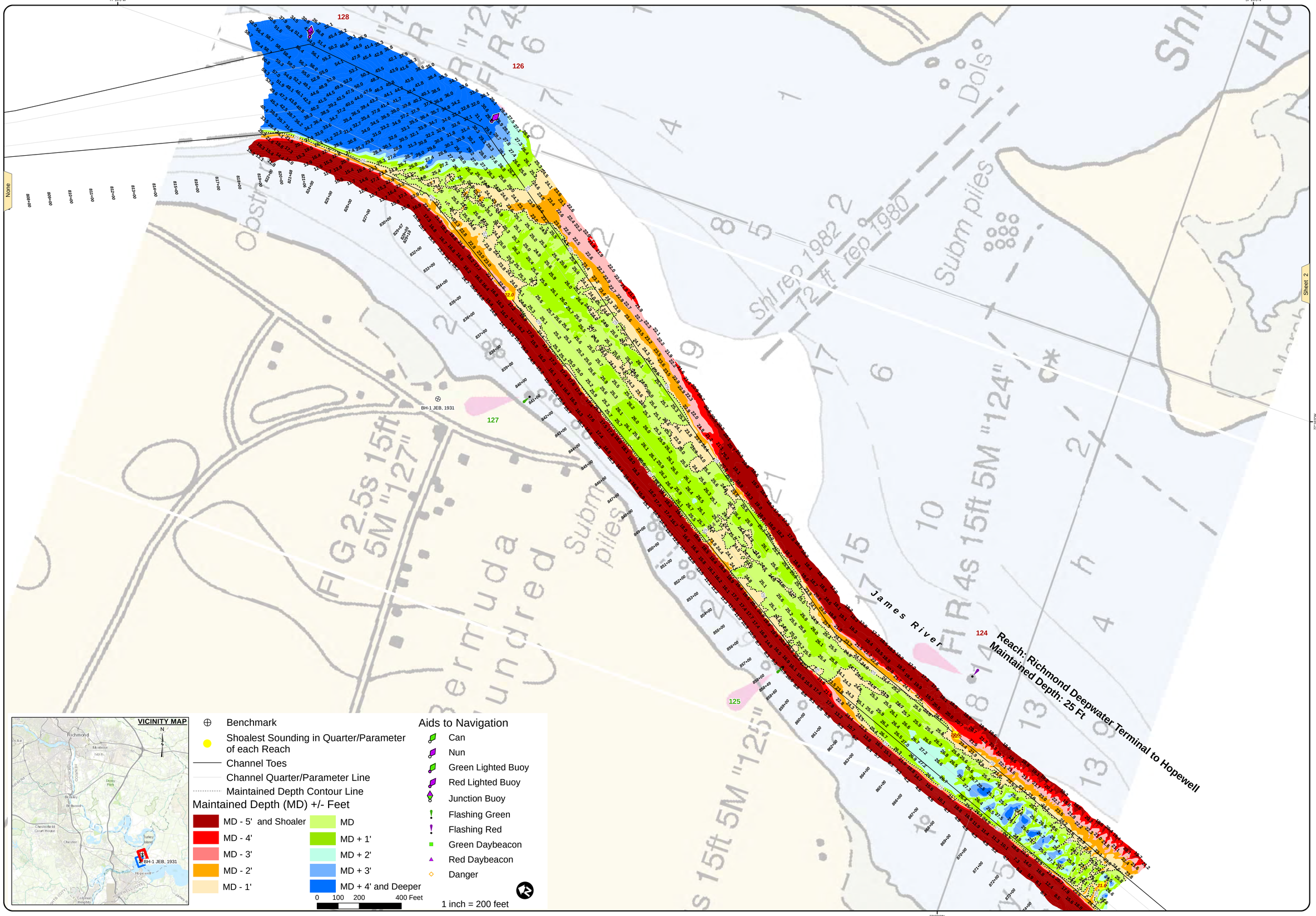


US Army Corps of Engineers
Norfolk District

NOTES:

1. A CHANNEL 35 FEET DEEP AND 300 FEET WIDE MAINTAINED UNDER A PREVIOUS PROJECT TO 25 FEET DEEP.
2. NOT FOR NAVIGATION USE. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE(S) INDICATED & CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
3. SOUNDINGS: SHOWN IN FEET CENTERED ON POINT OF SHOALEST DEPTH IN 50 FT RADIUS GENERATED FROM HYDROSURVEY DATA
4. BACKGROUND: NOAA RASTER CHART GIS WEB SERVICE.
5. AIDS TO NAVIGATION LOCATED WITH SURVEY VESSEL +/- 10 FEET.
6. SURVEY XYZ (*.XYZ) AND METADATA (*.MET) FILE NAME REFERENCED BY eHYDRO FILE NAME.

PROJECTED COORDINATE SYSTEM: STATE PLANE
DATUM NAME: NAD83
HORIZONTAL ZONE: VIRGINIA SOUTH ZONE
PROJECTED COORDINATE UNITS: US SURVEY FEET
HORIZONTAL ACCURACY: +/- 1.0 FEET
HORIZONTAL CONTROL: LEICA SMART NET

VERTICAL REFERENCE DATUM: NOS MLLW
TIDAL EPOCH: 1983-2001
IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET
VERTICAL CONTROL: RTK/LEICA SMART NET
VERTICAL DATUM: PERTINENT TIDEDATUM MDL
SYSTEM/METHOD: MULTI-BEAM
BIN SIZE: 5X5
BIN SELECTION METHOD: AVERAGE CELL CENTER

MONUMENT	MLLW	GEODETIC CONTROL MONUMENTS NAVD88	MEAN RANGE OF TIDE	AREA
CE "BH-1 JEB, 1931"	8.64'	7.06 (GEOID18)	2.56'	713+00 to 911+00

JAMES RIVER
RDWT TO HOPEWELL
PROJECT CONDITION SURVEY
(AFTER DREDGING)

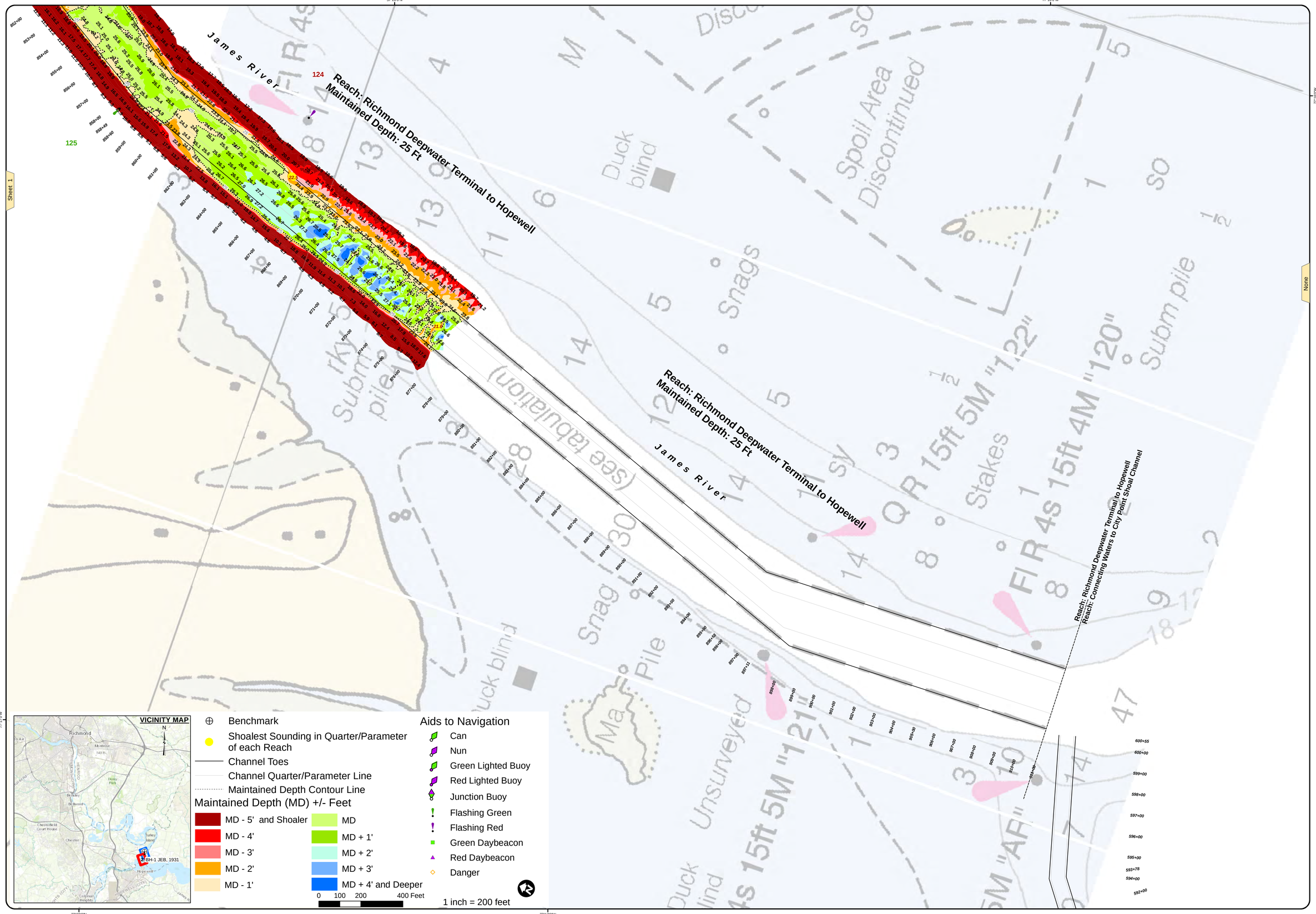
SURVEY DATE:
September 01, 2020

SURVEY BY: USACE Team Lead: Dustin Brooke
eHYDRO FILE: JR_08_RTH_20200901_AD

SHEET 1 of 2
Map Produced: 9/4/2020

APPROVED:
Jeff Swallow
Digitally signed by Jeff Swallow
Date: 2020.09.09 08:25:06 -04'00'
Chief, Navigation Analysis Section

APPROVED:
Eric Legaspi
Digitally signed by Eric Legaspi
Date: 2020.09.14 09:43:44 -04'00'
Chief, Navigation Support and Survey Section



US Army Corps of Engineers
Norfolk District

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6. SURVEY X'Z (*.X'Z) AND METADATA (*.MET) FILE NAME REFERENCED BY eHYDRO FILE NAME.

PROJECTED COORDINATE SYSTEM:	STATE PLANE
PROJECTION:	NAD83 (2011)
HORIZONTAL ZONE:	VIRGINIA SOUTH ZONE
PROJECTED COORDINATE UNITS:	US SURVEY FEET
HORIZONTAL ACCURACY:	+/- 1.5 FEET
HORIZONTAL CONTROL:	LEICA SMART NET

VERTICAL REFERENCE DATUM:	NGS MLLW
TIDAL EPOCH:	1983-2001
IMPLIED VERTICAL ACCURACY:	+/- 0.5 FEET
VERTICAL CONTROL:	RTK/LEICA SMART NET
TIDE REFERENCE:	REFERENCE DATUM MDL
SYSTEM/METHOD:	MULTI-BEAM
BIN SIZE:	5x5
BIN SELECTION METHOD:	AVERAGE CELL CENTER

GEODETIC CONTROL MONUMENTS

MONUMENT	MLLW	NAVD88	MEAN RANGE OF TIDE	AREA
CE "BH-1 JEB, 1931"	8.64'	7.06 (GEOID18)	2.56'	713+00 to 911+00

JAMES RIVER
RDWT TO HOPEWELL
PROJECT CONDITION SURVEY
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SURVEY DATE:
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eHYDRO FILE: JR_08_RTH_20200901_AD

SHEET 2 of 2
Map Produced: 9/4/2020

APPROVED:

Chief, Navigation Analysis Section

APPROVED:

Chief, Navigation Support and Survey Section