

MATCH SHEET 1

MATCH SHEET 3

To: Navigation Interests		From: USACE, Norfolk District 803 Front St Norfolk, VA 23510	
RIVER/HARBOR NAME AND STATE WATERWAY ON THE COAST OF VIRGINIA VIRGINIA			MINIMUM DEPTHS (FT) 80% OF CHANNEL ENTERING FROM SEAWARD
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT	
		WIDTH (feet)	LENGTH (miles) DEPTH (feet)
Chesapeake Bay to Magothy Bay	05-10-2023	60 100	4.3 6.0
Remarks: All Depths at Mean Lower Low Water (MLLW)			



⊕ Benchmark

● Shoalest Sounding in Quarter/Parameter of each Reach

— Channel Toes

— Channel Quarter/Parameter Line

····· Maintained Depth Contour Line

Maintained Depth (MD) +/- Feet

■ MD - 5' & Shoaler

■ MD - 4'

■ MD - 3'

■ MD - 2'

■ MD - 1'

■ MD

■ MD + 1'

■ MD + 2'

■ MD + 3'

■ MD + 4' & Deeper

1 inch = 150 feet

Aids to Navigation

🚦 Can

🚦 Nun

🚦 Green Lighted Buoy

🚦 Red Lighted Buoy

🚦 Junction Buoy

🚦 Flashing Green

🚦 Flashing Red

🚦 Green Daybeacon

🚦 Red Daybeacon

🚦 Danger

0 50 100 200 Feet

🔄



NOTES:

- PROJECT CHANNEL 6 FT DEEP AND 60 FT WIDE.
- NOT FOR NAVIGATION USE. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME OF THE SURVEY AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- SOUNDINGS: SHOWN IN FEET CENTERED ON POINT OF SHOALEST DEPTH IN 20 FT RADIUS.
- BACKGROUND: VBMP MOST RECENT IMAGERY GIS WEB SERVICE LAYER.
- ADS TO NAVIGATION LOCATED WITH SURVEY VESSEL +/- 10 FEET ON DATE OF SURVEY.
- SURVEY XYZ (X,Y,Z) AND METADATA (X, Y, Z) FILE NAME REFERENCED BY eHYDRO FILE NAME.

VERTICAL REFERENCE DATUM: NOS MLLW IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET VERTICAL CONTROL: RTK/LEICA SMART NET TIDE APPLICATION: RTK/NOAA DATUM MDL ANGLE-BEAM: NA BIN SIZE: N/A BIN SELECTION METHOD: N/A	GEODETIC CONTROL MONUMENTS	
	MONUMENT	MEAN RANGE OF TIDE
PROJECTED COORDINATE SYSTEM: STATE PLANE VIRGINIA SOUTH ZONE US SURVEY FEET PROJECTED COORDINATE UNITS: RTK/LEICA SMART NET HORIZONTAL CONTROL: N/A	CE CHESA, 2013	79+00 to 78+00
	NOS '863-8013-B, 1980	79+00 to 141+00
PROJECTED COORDINATE SYSTEM: STATE PLANE VIRGINIA SOUTH ZONE US SURVEY FEET PROJECTED COORDINATE UNITS: RTK/LEICA SMART NET HORIZONTAL CONTROL: N/A	CE CHESA, 2013	79+00 to 78+00
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WATERWAY ON THE COAST OF VIRGINIA (WCV)
CHESAPEAKE BAY TO MAGOTHY BAY
PROJECT CONDITION SURVEY

SURVEY DATES:
May 10, 11 & 12, 2023

SURVEY BY: USACE Team Lead: Joe Moore
eHYDRO FILE: WC_80_CSM_20230510_CS

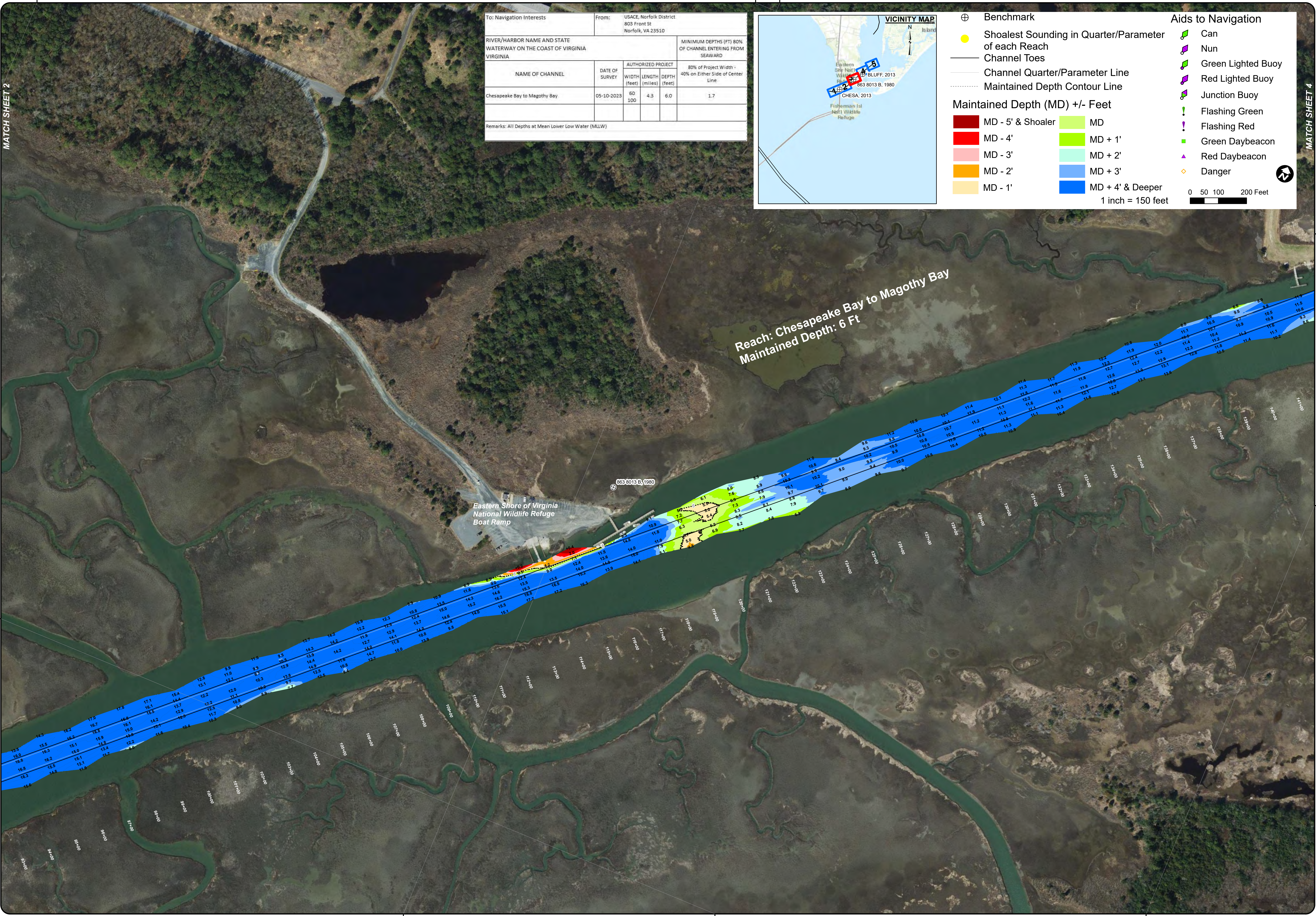
SHEET 2 of 5
Map Produced: 6/8/2023

APPROVED:

Chief, Navigation Analysis Section

APPROVED:

Chief, Navigation Support and Survey Section



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NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT	
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Chesapeake Bay to Magothy Bay	05-10-2023	60	4.3
		100	6.0
Remarks: All Depths at Mean Lower Low Water (MLLW)			



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🚩 Red Daybeacon

🚩 Danger

0 50 100 200 Feet

🔄



NOTES:

- PROJECT CHANNEL 8 FT DEEP AND 80 FT WIDE.
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- BACKGROUND: VMMP MOST RECENT IMAGERY GIS WEB SERVICE LAYER.
- ADS TO NAVIGATION LOCATED WITH SURVEY VESSEL +/- 10 FEET ON DATE OF SURVEY.
- SURVEY XYZ (.XYZ) AND METADATA (.MET) FILE NAME REFERENCED BY #HYDRO FILE NAME.

VERTICAL REFERENCE DATUM: NOS MLLW		STATE PLANE	
IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET		VIRGINIA SOUTH ZONE	
TIDE APPLICATION: RTKLEICA SMART NET		US SURVEY FEET	
TIDE APPLICATION: RTKLEICA DATUM MDL		IMPLIED HORIZONTAL ACCURACY: +/- 1 FOOT	
TIDE APPLICATION: RTKLEICA DATUM MDL		HORIZONTAL CONTROL: RTKLEICA SMART NET	
TIDE APPLICATION: RTKLEICA DATUM MDL		BIN SIZE: 10.0	
TIDE APPLICATION: RTKLEICA DATUM MDL		BIN SELECTION METHOD: N/A	
TIDE APPLICATION: RTKLEICA DATUM MDL		GEODETIC CONTROL MONUMENTS	
TIDE APPLICATION: RTKLEICA DATUM MDL		MONUMENT	
TIDE APPLICATION: RTKLEICA DATUM MDL		CE CHESA, 2013	
TIDE APPLICATION: RTKLEICA DATUM MDL		NOS '863-8013-B '1980	
TIDE APPLICATION: RTKLEICA DATUM MDL		CE 'BLUFF, 2013	
TIDE APPLICATION: RTKLEICA DATUM MDL		MLLW	
TIDE APPLICATION: RTKLEICA DATUM MDL		7.25 (GEOID18)	
TIDE APPLICATION: RTKLEICA DATUM MDL		4.25	
TIDE APPLICATION: RTKLEICA DATUM MDL		8.75	
TIDE APPLICATION: RTKLEICA DATUM MDL		MEAN RANGE OF TIDE	
TIDE APPLICATION: RTKLEICA DATUM MDL		2.95	
TIDE APPLICATION: RTKLEICA DATUM MDL		3.64	
TIDE APPLICATION: RTKLEICA DATUM MDL		4.02	
TIDE APPLICATION: RTKLEICA DATUM MDL		AREA	
TIDE APPLICATION: RTKLEICA DATUM MDL		0+00 to 78+00	
TIDE APPLICATION: RTKLEICA DATUM MDL		79+00 to 141+00	
TIDE APPLICATION: RTKLEICA DATUM MDL		142+00 to 228+50	

WATERWAY ON THE COAST OF VIRGINIA (WCV)
CHESAPEAKE BAY TO MAGOTHY BAY
PROJECT CONDITION SURVEY

SURVEY DATES:
May 10, 11 & 12, 2023

SURVEY BY: USACE Team Lead: Joe Moore
#HYDRO FILE: WC_80_CSM_20230510_CS

Reach: Chesapeake Bay to Magothy Bay
Maintained Depth: 6 Ft

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