



US Army Corps of Engineers
Norfolk District

To: Navigation Interests	From: USACE, Norfolk District 803 Front St Norfolk, VA 23510				
RIVER/HARBOR NAME AND STATE DAVIS CREEK VIRGINIA					
MINIMUM DEPTHS (FT) 80% OF CHANNEL ENTERING FROM SEAWARD					
NAME OF CHANNEL	DATE OF SURVEY	PROJECT			80% of Project Width - 40% on Either Side of Center Line
		WIDTH (feet)	LENGTH (miles)	DEPTH (feet)	
Davis Creek Channel	01-06-2021	80	0.9	8	0.5
Davis Creek Turning Basin	01-06-2021	165 450	0.1	8	8.3
Remarks: All Depths at Mean Lower Low Water (MLLW), 1983-2001 Tidal Epoch					

NOTES:
 1. PROJECT: CHANNEL 10 FEET DEEP AND 80 FEET WIDE, EXTENDING FROM THE 10 FOOT CONTOUR IN MOBACK BAY INTO DAVIS CREEK AND ANCHORAGE BASIN TO THE PUBLIC LANDS TO THE SE. THE CHANNEL AND ANCHORAGE BASIN WILL BE MAINTAINED TO A DEPTH OF 8 FT UNTIL TRAFFIC IS RESTORED TO THE CHANNEL AND ANCHORAGE BASIN.
 2. NO USE FOR NAVIGATION. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THAT TIME AND IS NOT TO BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING.
 3. SOUNDINGS SHOWN IN FEET CENTERED ON POINT OF SHALLEST DEPTH IN 20 FT RADIUS GENERATED FROM HYDRO SURVEY DATA.
 4. BACKGROUNDED VIRGINIA BASE MAPPING PROGRAM MOST RECENT IMAGERY GIS WEB SERVICE.
 5. AIDS TO NAVIGATION LOCATED WITH SURVEY VESSEL +/- 10 FEET.
 6. SURVEY XYZ (X,Y,Z) AND METADATA (.MET) FILE NAME REFERENCED BY #HYDRO FILE NAME.

VERTICAL REFERENCE DATUM: NOS MLLW	VERTICAL ACCURACY: +/- 0.5 FEET	RTK/INS/SMART NET	AVERAGE CELL CENTER
IMPLIED VERTICAL ZONE: US SURVEY FEET	IMPLIED HORIZONTAL ACCURACY: +/- 1 FOOT	LEICA SMART NET	MEAN RANGE OF TIDE
PROJECTED COORDINATE SYSTEM: STATE PLANE	MONUMENT: CE DAVIS CRK, 2009	GEODETIC CONTROL MONUMENTS	AREA
DATUM NAME: NAD 83	MLLW	NAVD88	00+00 to 49+49
STATE PLANE: NAD 83 SOUTH ZONE	6.29'	4.67'(GEOID18)	2.19'
PROJECTED COORDINATE UNITS: US SURVEY FEET			
IMPLIED HORIZONTAL ACCURACY: +/- 1 FOOT			
HORIZONTAL CONTROL: RTK/INS/SMART NET			
BIN SIZE: 3X3			
BIN SELECTION METHOD: AVERAGE CELL CENTER			

DAVIS CREEK

PROJECT CONDITION SURVEY

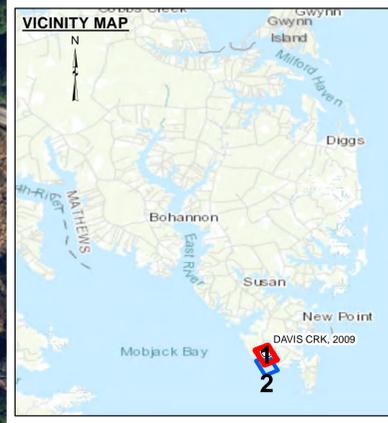
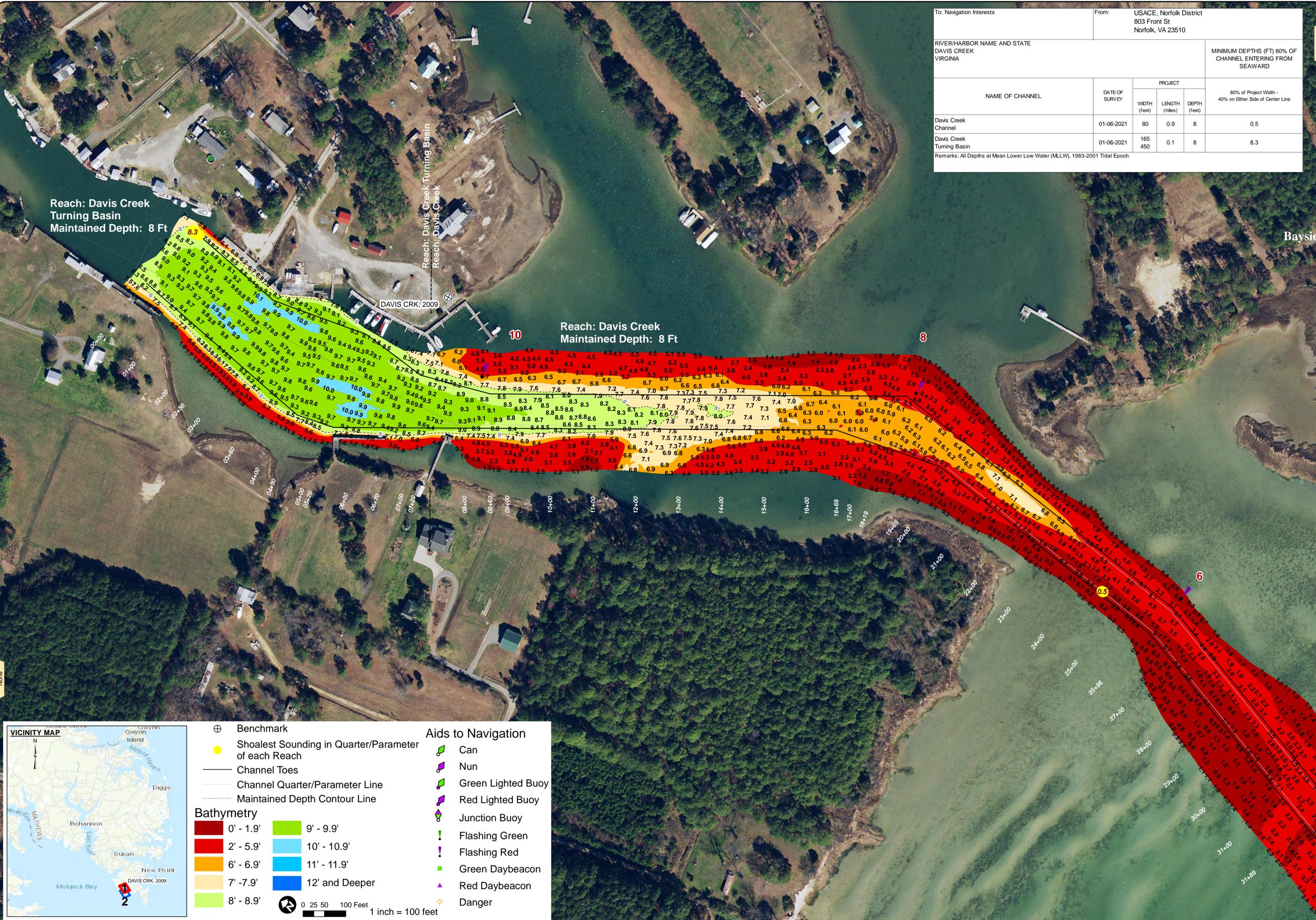
SURVEY DATES:
January 6 & 7, 2021

SURVEY BY: USACE Team Lead: Mike Williams
#HYDRO FILE: DV_01_DVS_20210106_CS

SHEET 1 of 2
Map Produced: 1/15/2021

APPROVED: _____
Chief, Navigation Analysis Section

APPROVED: _____
Chief, Navigation Support and Survey Section



- ⊕ Benchmark
 - Shoalest Sounding in Quarter/Parameter of each Reach
 - Channel Toes
 - Channel Quarter/Parameter Line
 - Maintained Depth Contour Line
- Bathymetry**
- | | |
|-----------|----------------|
| 0' - 1.9' | 9' - 9.9' |
| 2' - 5.9' | 10' - 10.9' |
| 6' - 6.9' | 11' - 11.9' |
| 7' - 7.9' | 12' and Deeper |
| 8' - 8.9' | |
- 0 25 50 100 Feet
1 inch = 100 feet
- Aids to Navigation**
- Can
 - Nun
 - Green Lighted Buoy
 - Red Lighted Buoy
 - Junction Buoy
 - Flashing Green
 - Flashing Red
 - Green Daybeacon
 - Red Daybeacon
 - Danger

37°20'07"N 76°19'30"W



US Army Corps of Engineers
Norfolk District

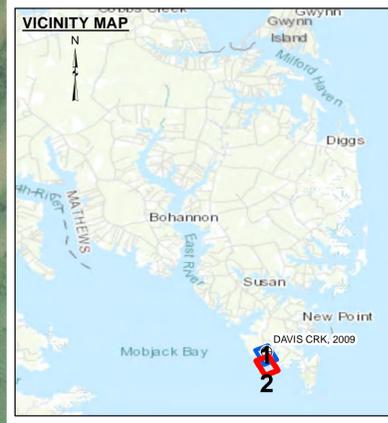
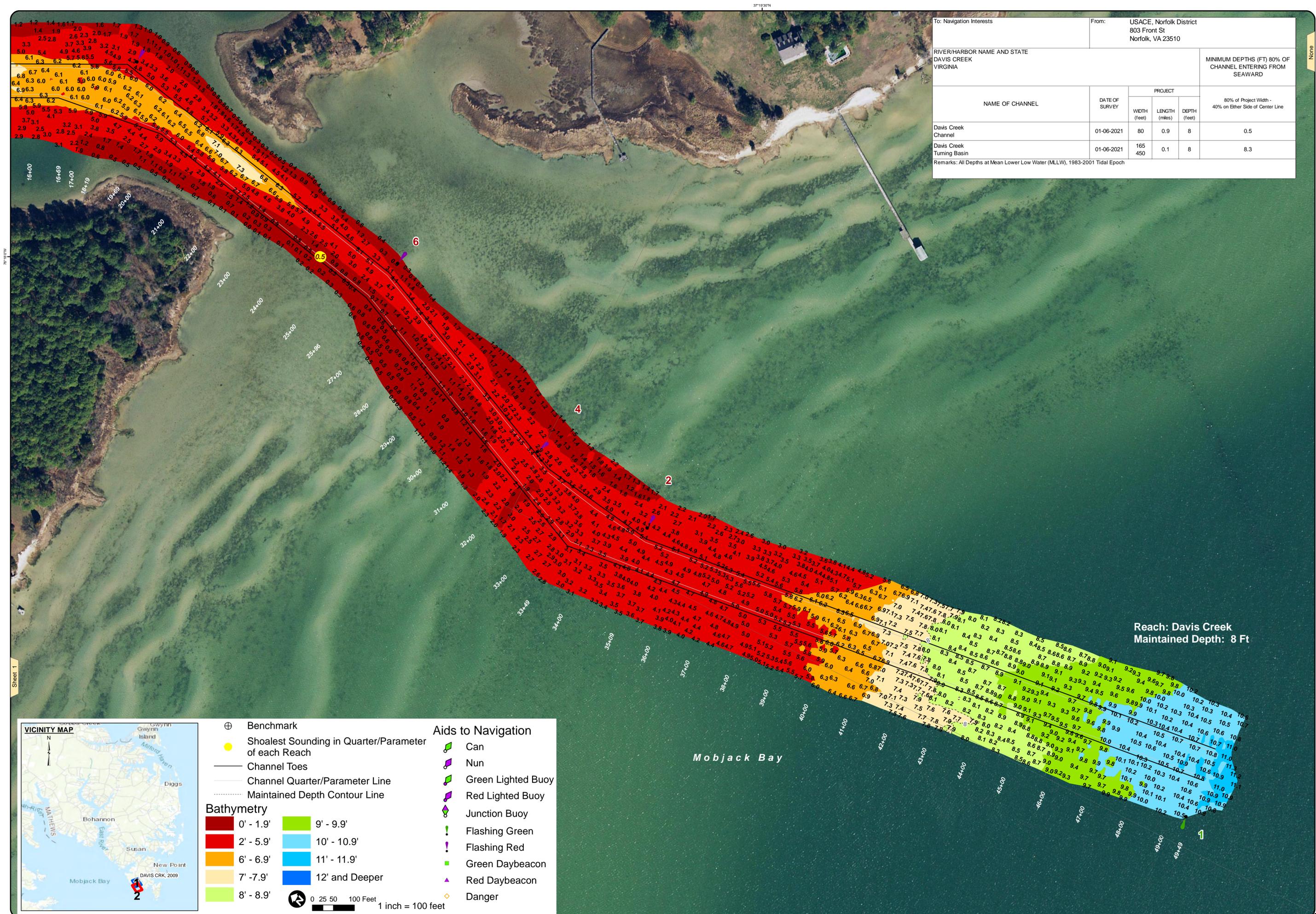
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Remarks: All Depths at Mean Lower Low Water (MLLW), 1983-2001 Tidal Epoch				

NOTES:
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 2. NOTE FOR NAVIGATION: USE THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THAT TIME. (S) INDICATED & CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING.
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VERTICAL REFERENCE DATUM: NOS MLLW	VERTICAL CONTROL: RTK/LEICA SMART NET	VERTICAL ACCURACY: +/- 0.5 FEET	MEAN RANGE OF TIDE: 2.19'
PROJECTED COORDINATE SYSTEM: STATE PLANE	TIDE APPLICATION: LEICA SMART NET	IMPLIED HORIZONTAL ACCURACY: +/- 1 FOOT	MONUMENT: CE DAVIS CRK 2009*
DATUM NAME: NAD 83	BIN SELECTION METHOD: AVERAGE CELL CENTER	HORIZONTAL CONTROL: RTK/LEICA SMART NET	AREA: 00+00 to 49+49
ZONE: 18N	BIN SIZE: 3x3	IMPLIED HORIZONTAL ACCURACY: +/- 1 FOOT	GEODETIC CONTROL MONUMENTS: NAVD83
PROJECTED COORDINATE UNITS: US SURVEY FEET			4.67(GEODID8)

DAVIS CREEK
PROJECT CONDITION SURVEY
 SURVEY DATES:
 January 6 & 7, 2021
 SURVEY BY: USACE Team Lead: Mike Williams
 #HYDRO FILE: DV_01_DVS_20210106_CS

SHEET 2 of 2
Map Produced: 1/15/2021
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 - ⚡ Flashing Red
 - 🟩 Green Daybeacon
 - 🟪 Red Daybeacon
 - ⚠ Danger

Reach: Davis Creek
 Maintained Depth: 8 Ft

Mob Jack Bay

Sheet 1

37°19'30"N