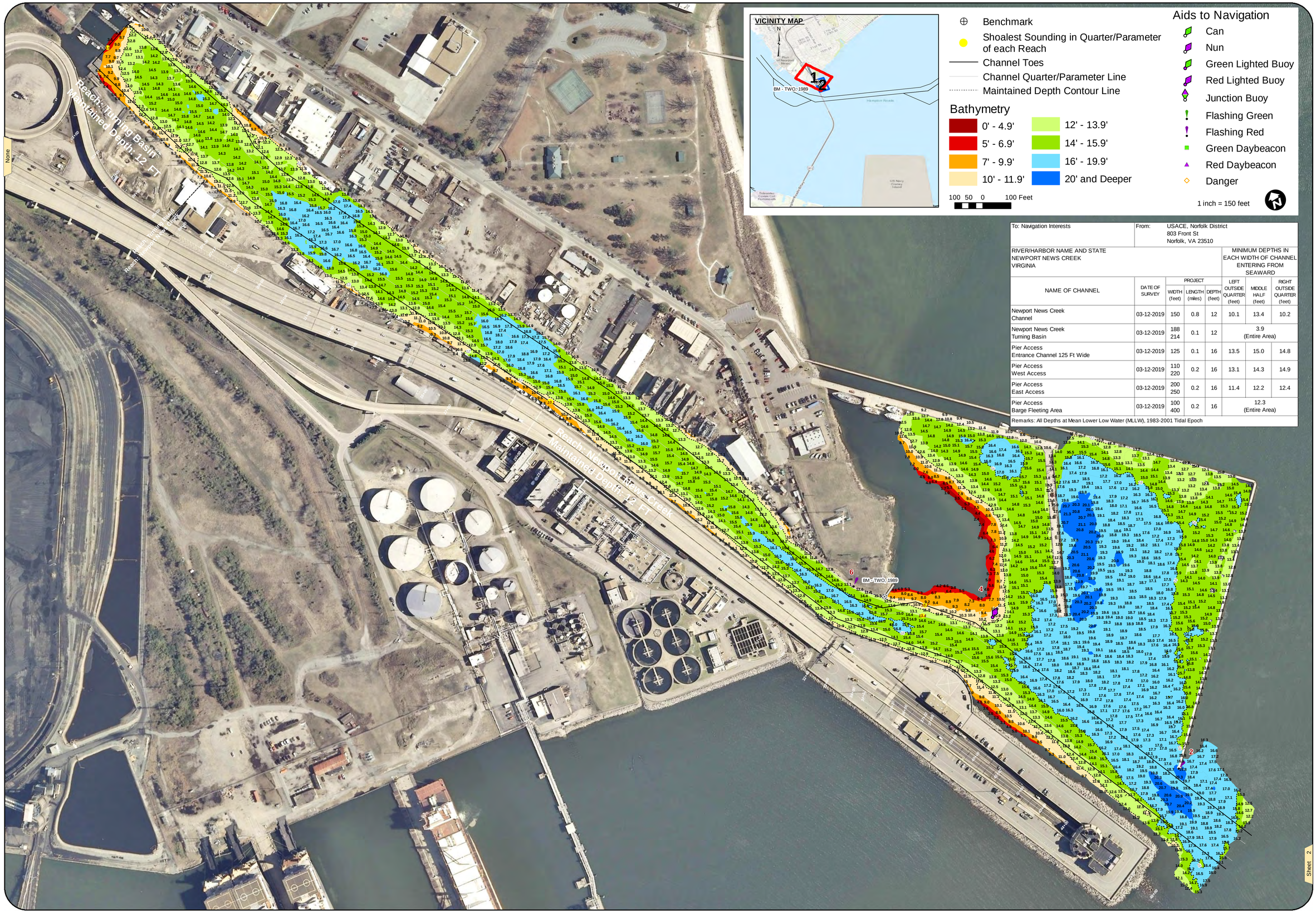


US Army Corps of Engineers
Norfolk District

To: Navigation Interests		From:	USACE, Norfolk District 803 Front St Norfolk, VA 23510				
RIVER/HARBOR NAME AND STATE NEWPORT NEWS CREEK VIRGINIA					MINIMUM DEPTHS IN EACH WIDTH OF CHANNEL ENTERING FROM SEAWARD		
NAME OF CHANNEL	DATE OF SURVEY	PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (miles)	DEPTH (feet)			
Newport News Creek Channel	03-12-2019	150	0.8	12	10.1	13.4	10.2
Newport News Creek Turning Basin	03-12-2019	188 214	0.1	12	3.9 (Entire Area)		
Pier Access Entrance Channel 125 Ft Wide	03-12-2019	125	0.1	16	13.5	15.0	14.8
Pier Access West Access	03-12-2019	110 220	0.2	16	13.1	14.3	14.9
Pier Access East Access	03-12-2019	200 250	0.2	16	11.4	12.2	12.4
Pier Access Barge Fleeting Area	03-12-2019	100 400	0.2	16	12.3 (Entire Area)		
Remarks: All Depths at Mean Lower Low Water (MLLW), 1983-2001 Tidal Epoch							

NOTES:
1. PROJECT: A CHANNEL 12 FT DEEP AT MEAN LOWER LOW WATER (MLLW) WITH VARYING WIDTHS FROM 150 FT TO 90 FT TO A TURNING BASIN WITH VARYING WIDTHS FROM 188 FT TO 214 FT AND 500 FT LONG. IN ADDITION, TO ACCESS THE PIERS, A CHANNEL 16 FT DEEP AND 125 FT WIDE TO A WEST AND EAST PIER ACCESS CHANNEL 16 FT DEEP WITH VARYING WIDTHS AND TO A TRIANGLE SHAPED BARGE FLEET AREA 16 FT DEEP WITH VARYING WIDTHS. 1 LILLY FT. AND 465 FT.
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 20 FT RADIUS GENERATED FROM HYDROSURVEY DATA.
4. BACKGROUND: VIRGINIA BASE MAPPING PROGRAM MOST RECENT IMAGERY 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.

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

GEODETIC CONTROL MONUMENTS			
MONUMENT	MLLW	NAVD88	AREA
CE 'BM - TWO, 1989'	7.87	6.19 (GEOID12B)	0+00 to 99+00 101+00 to 200+00 200+00 to 209+23

MEAN RANGE OF TIDE: 2.43

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

NEWPORT NEWS CREEK
PROJECT CONDITION SURVEY

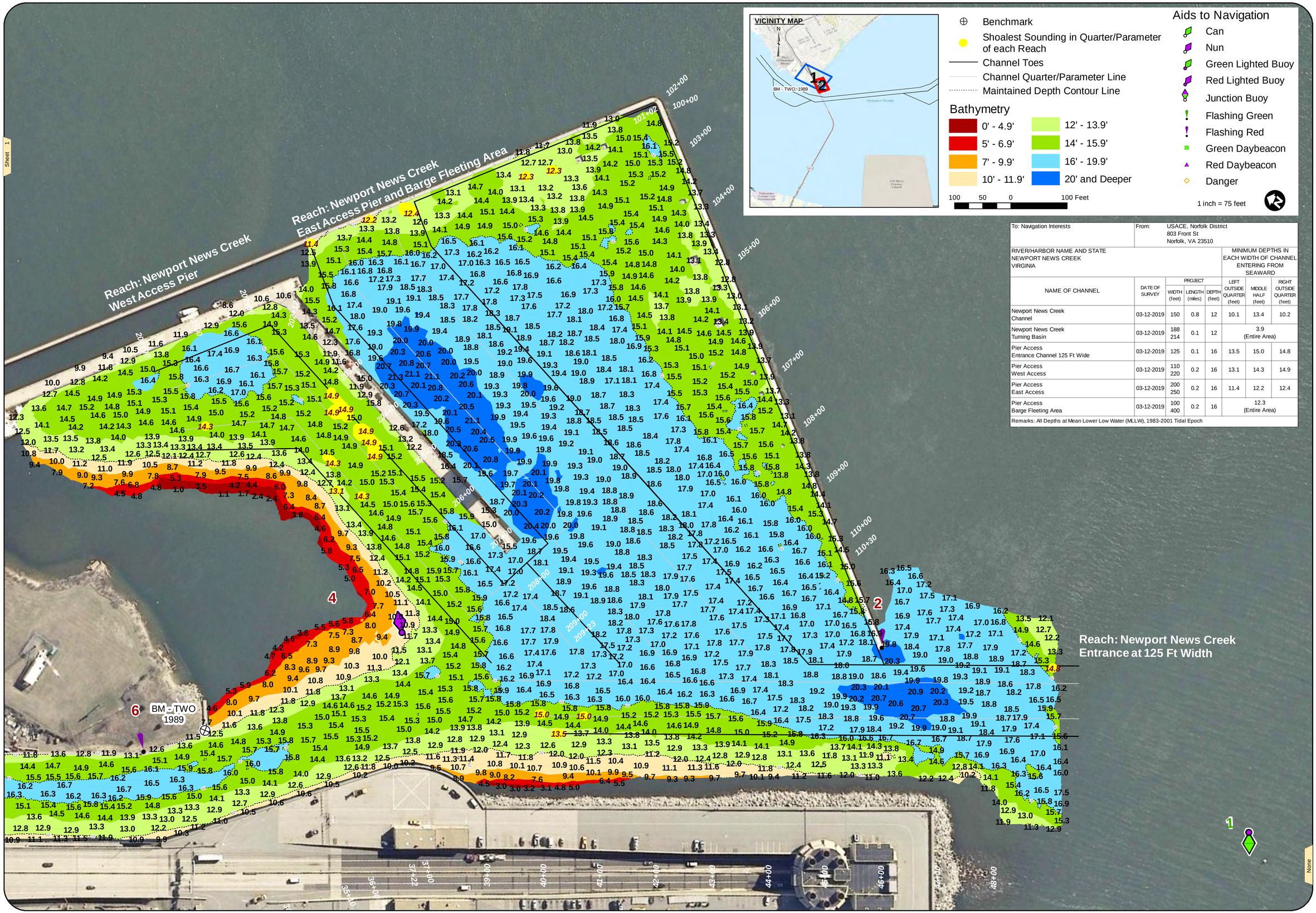
SURVEY DATE:
March 12, 2019

SURVEY BY: USACE Team Lead: Dustin Brooke
eHYDRO FILE: NN_01_NNC_20190312_CS

SHEET 1 of 2
Map Produced: 3/25/2019

APPROVED:
SWALLOW.JEFFREY.A.1127977611
Chief, Navigation Analysis Section

APPROVED:
EGASPLERIC.C.1174258275
Chief, Navigation Support and Survey Section



To: Navigation Interests		From: USACE, Norfolk District 803 Front St Norfolk, VA 23510					
RIVER/HARBOR NAME AND STATE NEWPORT NEWS CREEK VIRGINIA					MINIMUM DEPTHS IN EACH WIDTH OF CHANNEL ENTERING FROM SEAWARD		
NAME OF CHANNEL	DATE OF SURVEY	PROJECT WIDTH (feet)	PROJECT LENGTH (miles)	PROJECT DEPTH (feet)	LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
Newport News Creek Channel	03-12-2019	150	0.8	12	10.1	13.4	10.2
Newport News Creek Turning Basin	03-12-2019	188 214	0.1	12	3.9 (Entire Area)		
Pier Access Entrance Channel 125 Ft Wide	03-12-2019	125	0.1	16	13.5	15.0	14.8
Pier Access West Access	03-12-2019	110 220	0.2	16	13.1	14.3	14.9
Pier Access East Access	03-12-2019	200 250	0.2	16	11.4	12.2	12.4
Pier Access Barge Fleeting Area	03-12-2019	100 400	0.2	16	12.3 (Entire Area)		
Remarks: All Depths at Mean Lower Low Water (MLLW), 1983-2001 Tidal Epoch							

US Army Corps of Engineers Norfolk District

NOTES:
1. PROJECT: A CHANNEL 12 FT DEEP AT MEAN LOWER LOW WATER (MLLW) WITH VARYING WIDTHS FROM 150 FT TO 90 FT TO A TURNING BASIN WITH VARYING WIDTHS FROM 188 FT TO 214 FT AND 500 FT LONG. IN ADDITION, TO ACCESS THE PIERS, A CHANNEL 16 FT DEEP AND 125 FT WIDE TO A WEST AND EAST PIER ACCESS CHANNEL 16 FT DEEP WITH VARYING WIDTHS FROM 110 FT TO 220 FT AND 200 FT TO 250 FT AND A TRIANGULAR SHAPED BARGING FLEET AREA 16 FT DEEP WITH VARYING WIDTHS 1,110 FT, 1,110 FT, AND 400 FT.
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 20 FT RADIUS GENERATED FROM HYDROSURVEY DATA.
4. BACKGROUND: VIRGINIA BASE MAPPING PROGRAM MOST RECENT IMAGERY 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
NAD 83 (2001) VA
HORIZONTAL ZONE: VIRGINIA SOUTH ZONE
PROJECTED COORDINATE UNITS: US SURVEY FEET
ESTIMATED HORIZONTAL ACCURACY: +/- 1.5 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
TIDE GAGE ID: 8638610 - SEWELLS POINT, VA
SYSTEM/METHOD: MULTI-BEAM
BIN SIZE: 5'x5'
BIN SELECTION METHOD: AVERAGE CELL CENTER

GEODETIC CONTROL MONUMENTS

MONUMENT	MLLW	NAVD88	MEAN RANGE OF TIDE
CE "BM - TWO, 1989"	7.87'	6.19'(GEOID12B)	2.43'

AREA
0+00 to 96+00,
101+00 to 110+30,
200+00 to 209+23

NEWPORT NEWS CREEK
PROJECT CONDITION SURVEY

SURVEY DATE:
March 12, 2019

SURVEY BY: USACE Team Lead: Dustin Brooke
eHYDRO FILE NN_01_NNC_20190312_CS

SHEET 2 of 2
Map Produced: 3/25/2019

APPROVED:
Chief, Navigation Analysis Section

APPROVED:
Chief, Navigation Support and Survey Section