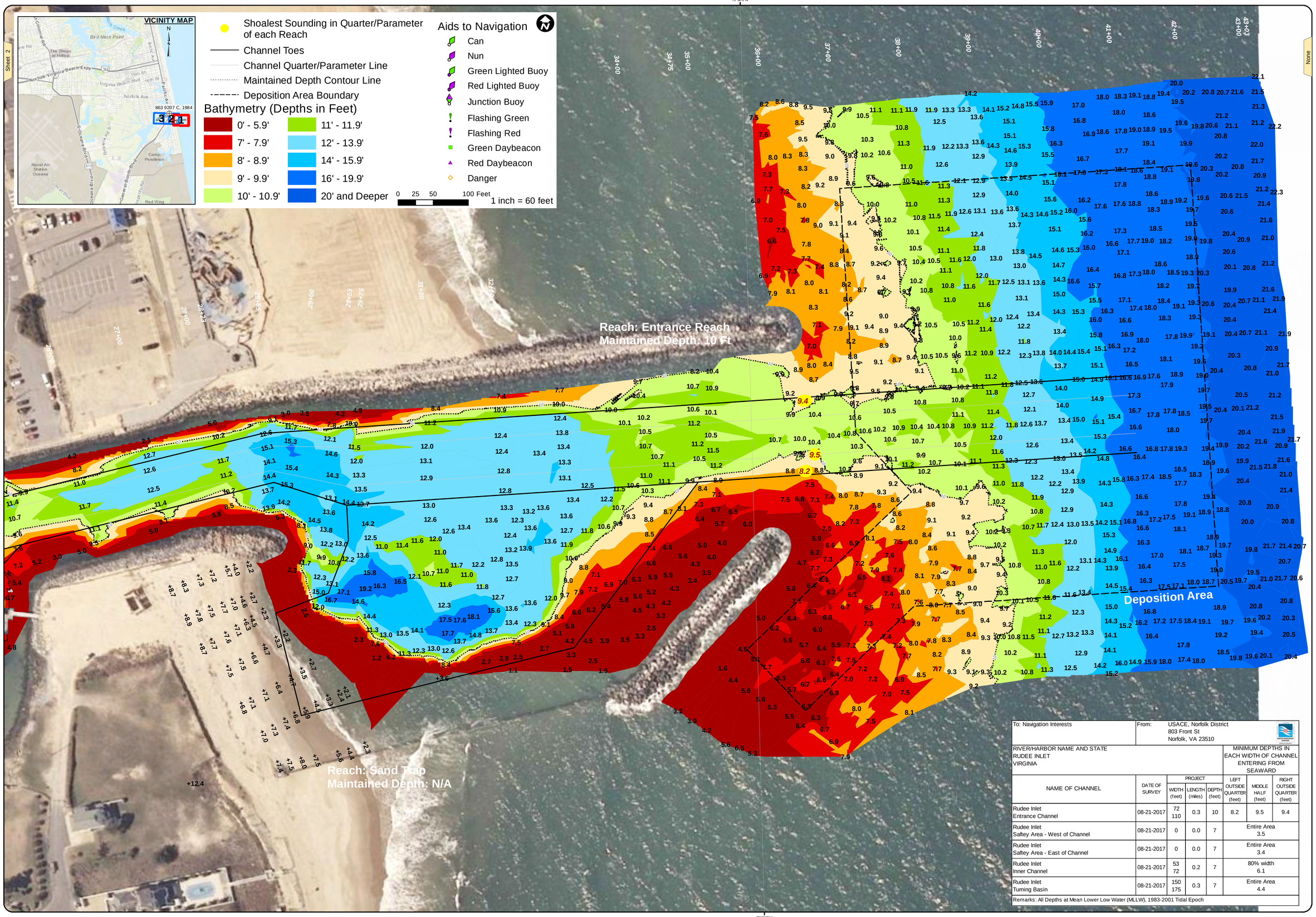


US Army Corps of Engineers
Norfolk District

NOTES:

1. PROJECT: AN ENTRANCE CHANNEL 10 FEET DEEP, 110 TO 72 FT WIDE AND 1,605 FT LONG; AN INNER CHANNEL 7 FT DEEP, 72 FT WIDE AND 2,495 FEET LONG; MIDDLE AREA 5 FEET DEEP AND APPROXIMATELY 3.4 ACRES IN SIZE; AND A SAND TRAP 7 FEET DEEP AND APPROXIMATELY 3.3 ACRES IN SIZE; AND A DEPOSITION BASIN 20 FT DEEP AND APPROXIMATELY 6.9 ACRES
2. NOT FOR NAVIGATIONAL USE. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE(S) AND 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.
4. BACKGROUND: VGIN IMAGERY 2013 GIS WEB SERVICE.
5. AIDS TO NAVIGATION LOCATED WITH SURVEY VESSEL +/- 10 FEET ON DATE OF SURVEY.
6. SURVEY X,Y,Z (X,Y,Z) AND METADATA (*.MET) FILE NAME REFERENCED BY eHYDRO FILE NAME.

VERTICAL REFERENCE DATUM:	NOS MLLW
PROJECTION:	VIRGINIA SOUTH ZONE
IMPLIED VERTICAL ACCURACY:	+/- 0.5 FEET
SYSTEM METHOD:	SINGLE-BEAM
BIN SIZE:	N/A
BIN SELECTION METHOD:	N/A

STATE PLANE COORDINATE SYSTEM:	VIRGINIA SOUTH ZONE
HORIZONTAL ZONE:	US SURVEY FEET
PROJECTED COORDINATE UNITS:	US SURVEY FEET
BASE COORDINATE SYSTEM:	NAD83(2011)
HORIZONTAL CONTROL MONUMENTS:	USCG DGPS

GAUGE INFORMATION - VERTICAL CONTROL MONUMENTS NOS MLLW NTDE TIDAL EPOCH: TIDAL EPOCH2

MONUMENT	MLLW	NAVD88	MEAN RANGE OF TIDE	TIDE APPLICATION	AREA
NOS 863-9207 C, 1984*	5.47'	3.18'(GEOID03)	3.3'	Direct	0+00 to 43+03

RUDEE INLET
PROJECT CONDITION SURVEY
(PLANS FOR DREDGING)

SURVEY DATES:
AUGUST 21, 22, 24 & 25, 2017

SURVEY BY: USACE Team Lead, M. Williams
eHYDRO FILE: RD_01_RDI_20170821_CS

SHEET 1 of 3
Map Produced: 9/5/2017

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

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

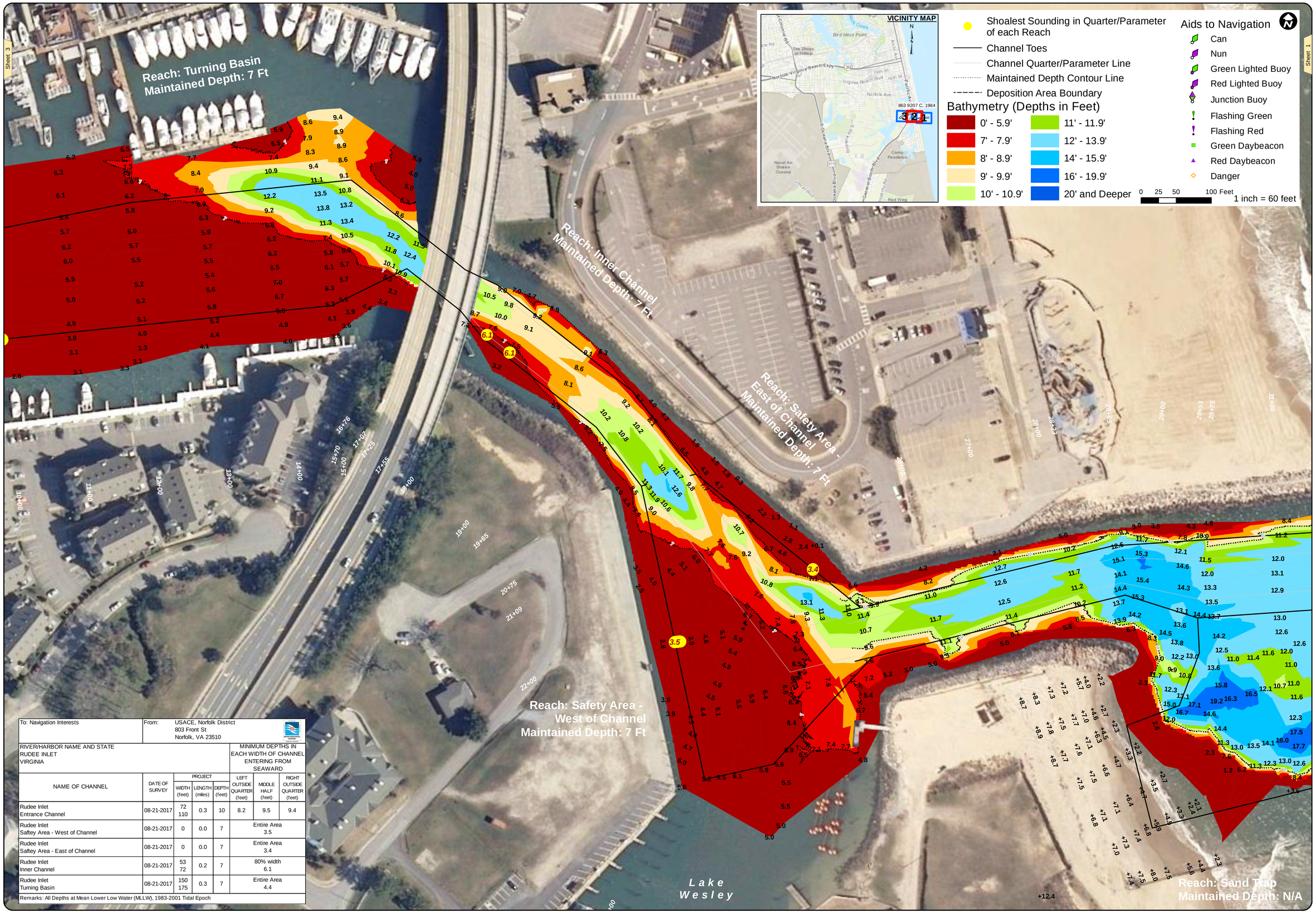
To: Navigation Interests

From: USACE, Norfolk District
803 Front St
Norfolk, VA 23510

RIVER/HARBOR NAME AND STATE
RUDEE INLET
VIRGINIA

NAME OF CHANNEL	DATE OF SURVEY	PROJECT WIDTH (feet)	PROJECT LENGTH (miles)	PROJECT DEPTH (feet)	MINIMUM DEPTHS IN EACH WIDTH OF CHANNEL ENTERING FROM SEAWARD: LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
Rudee Inlet Entrance Channel	08-21-2017	72 110	0.3	10	8.2	9.5	9.4
Rudee Inlet Saftey Area - West of Channel	08-21-2017	0	0.0	7	Entire Area 3.5		
Rudee Inlet Saftey Area - East of Channel	08-21-2017	0	0.0	7	Entire Area 3.4		
Rudee Inlet Inner Channel	08-21-2017	53 72	0.2	7	80% width 6.1		
Rudee Inlet Turning Basin	08-21-2017	150 175	0.3	7	Entire Area 4.4		

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



To: Navigation Interests	From: USACE, Norfolk District 803 Front St Norfolk, VA 23510						
RIVER/HARBOR NAME AND STATE RUDEE INLET 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)
Rudee Inlet Entrance Channel	08-21-2017	72 110	0.3	10	8.2	9.5	9.4
Rudee Inlet Saftey Area - West of Channel	08-21-2017	0	0.0	7	Entire Area 3.5		
Rudee Inlet Saftey Area - East of Channel	08-21-2017	0	0.0	7	Entire Area 3.4		
Rudee Inlet Inner Channel	08-21-2017	53 72	0.2	7	80% width 6.1		
Rudee Inlet Turning Basin	08-21-2017	150 175	0.3	7	Entire Area 4.4		

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

US Army Corps of Engineers
Norfolk District

NOTES:

1. PROJECT: AN ENTRANCE CHANNEL 10 FEET DEEP, 110 TO 72 FT WIDE AND 1,605 FT LONG; AN INNER CHANNEL 7 FT DEEP, 72 FT TO 53 FT WIDE AND 2,495 FEET LONG; INCLUDING A SAFETY AREA 7 FT DEEP, APPROXIMATELY 1.9 ACRES IN SIZE; A TURNING BASIN 7 FT DEEP, 175 TO 150 FT WIDE AND 1,570 FT LONG; A SAND TRAP 18 FT DEEP AND APPROXIMATELY 3.3 ACRES IN SIZE, AND A DEPOSITION BASIN 20 FT DEEP AND APPROXIMATELY 6.9 ACRES
2. NOT FOR NAVIGATIONAL USE. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE(S) AND 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.
4. BACKGROUND: VGIN IMAGERY 2013 GIS WEB SERVICE.
5. AIDS TO NAVIGATION LOCATED WITH SURVEY VESSEL +/- 10 FEET ON DATE OF SURVEY.
6. SURVEY XYZ (*.XYZ) AND METADATA (*.MET) FILE NAME REFERENCED BY eHYDRO FILE NAME.

PROJECTED COORDINATE SYSTEM: STATE PLANE
DATUM NAME: NAD 83
HORIZONTAL ZONE: VIRGINIA SOUTH ZONE
PROJECTED COORDINATE UNITS: US SURVEY FEET
IMPLIED HORIZONTAL ACCURACY: +/- 10 FEET
HORIZONTAL CONTROL MONUMENTS: USCG DGPS

VERTICAL REFERENCE DATUM: NOS MLLW
TIDAL EPOCH: 1983-2001
IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET
SYSTEM/METHOD: SINGLE-BEAM
BIN SIZE: N/A
BIN SELECTION METHOD: N/A

GAUGE INFORMATION - VERTICAL CONTROL MONUMENTS NOS MLLW NTDE TIDAL EPOCH: TIDAL_EPOCH2

MONUMENT	MLLW	NAVD88	MEAN RANGE OF TIDE	TIDE APPLICATION	AREA
NOS "863-9207 C, 1984"	5.47'	3.19'(GEOID03)	3.3'	Direct	0+00 to 43+03

RUDEE INLET
PROJECT CONDITION SURVEY
(PLANS FOR DREDGING)

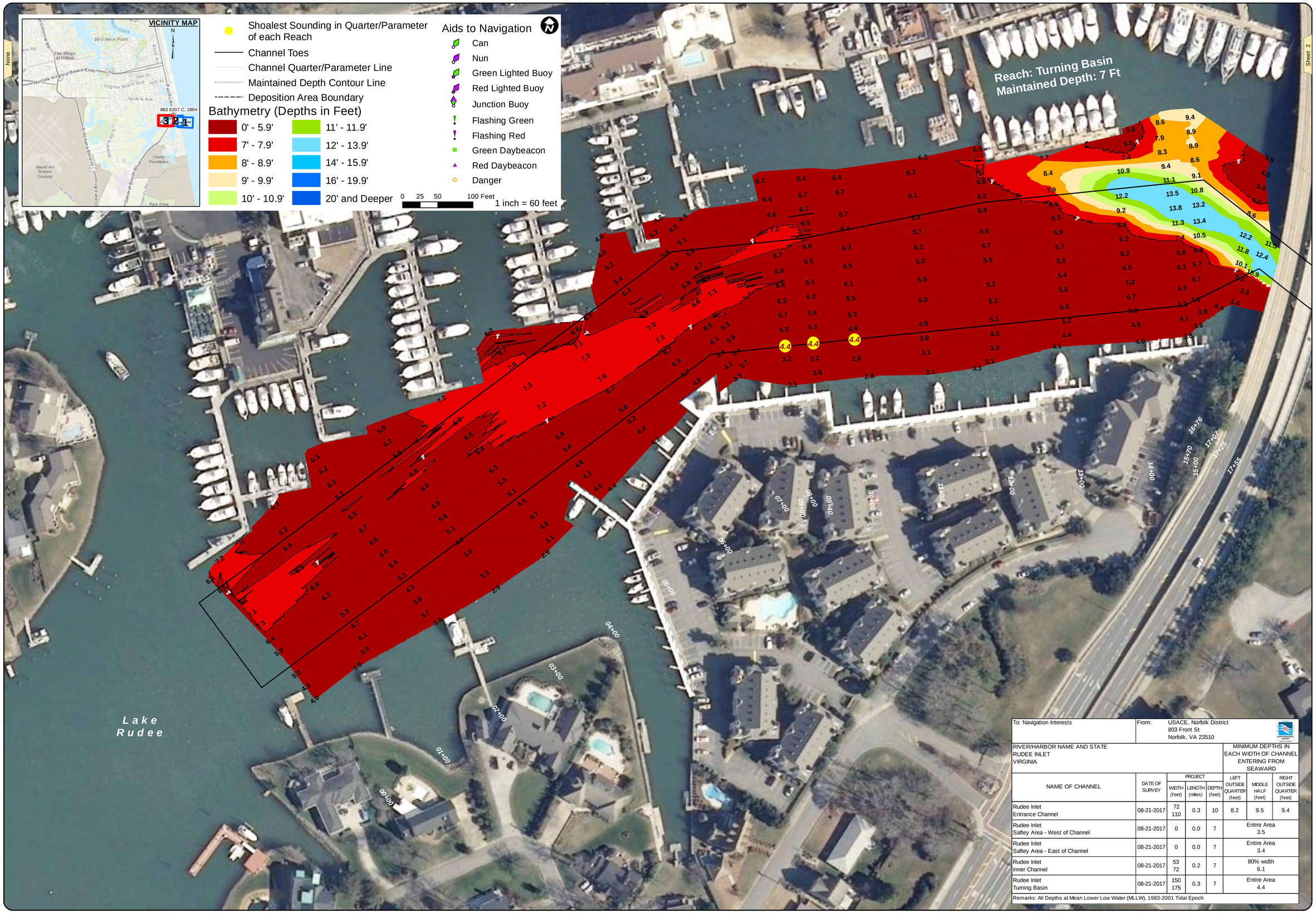
SURVEY DATES:
AUGUST 21, 22, 24 & 25, 2017

SURVEY BY: USACE Team Lead, M. Williams
eHYDRO FILE: RD_01_RDI_20170821_CS

SHEET 2 of 3
Map Produced: 9/5/2017

APPROVED:
Chief, Navigation Analysis Section

APPROVED:
Chief, Navigation Support and Survey Section



To: Navigation Interests	From: USACE, Norfolk District 803 Front St Norfolk, VA 23510						
RIVER/HARBOR NAME AND STATE RUDEE INLET 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)
Rudee Inlet Entrance Channel	08-21-2017	72 110	0.3	10	8.2	9.5	9.4
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US Army Corps of Engineers
Norfolk District

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DATUM NAME: NAD 83
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PROJECTED COORDINATE UNITS: US SURVEY FEET
IMPLIED HORIZONTAL ACCURACY: +/- 10 FEET
HORIZONTAL CONTROL MONUMENTS: USCG DGPS

VERTICAL REFERENCE DATUM: NOS MLLW
TIDAL EPOCH: 1983-2001
IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET
SYSTEM/METHOD: SINGLE-BEAM
BIN SIZE: N/A
BIN SELECTION METHOD: N/A

GAUGE INFORMATION - VERTICAL CONTROL MONUMENTS NOS MLLW NTDE TIDAL EPOCH: TIDAL_EPOCH2

MONUMENT	MLLW	NAVD88	MEAN RANGE OF TIDE	TIDE APPLICATION	AREA
NOS "863-9207 C, 1984"	5.47'	3.19'(GEOID03)	3.3'	Direct	0+00 to 43+03

RUDEE INLET
PROJECT CONDITION SURVEY
(PLANS FOR DREDGING)

SURVEY DATES:
AUGUST 21, 22, 24 & 25, 2017

SURVEY BY: USACE Team Lead, M. Williams
eHYDRO FILE: RD_01_RDI_20170821_CS

SHEET 3 of 3
Map Produced: 9/5/2017

APPROVED:
Chief, Navigation Analysis Section

APPROVED:
Chief, Navigation Support and Survey Section