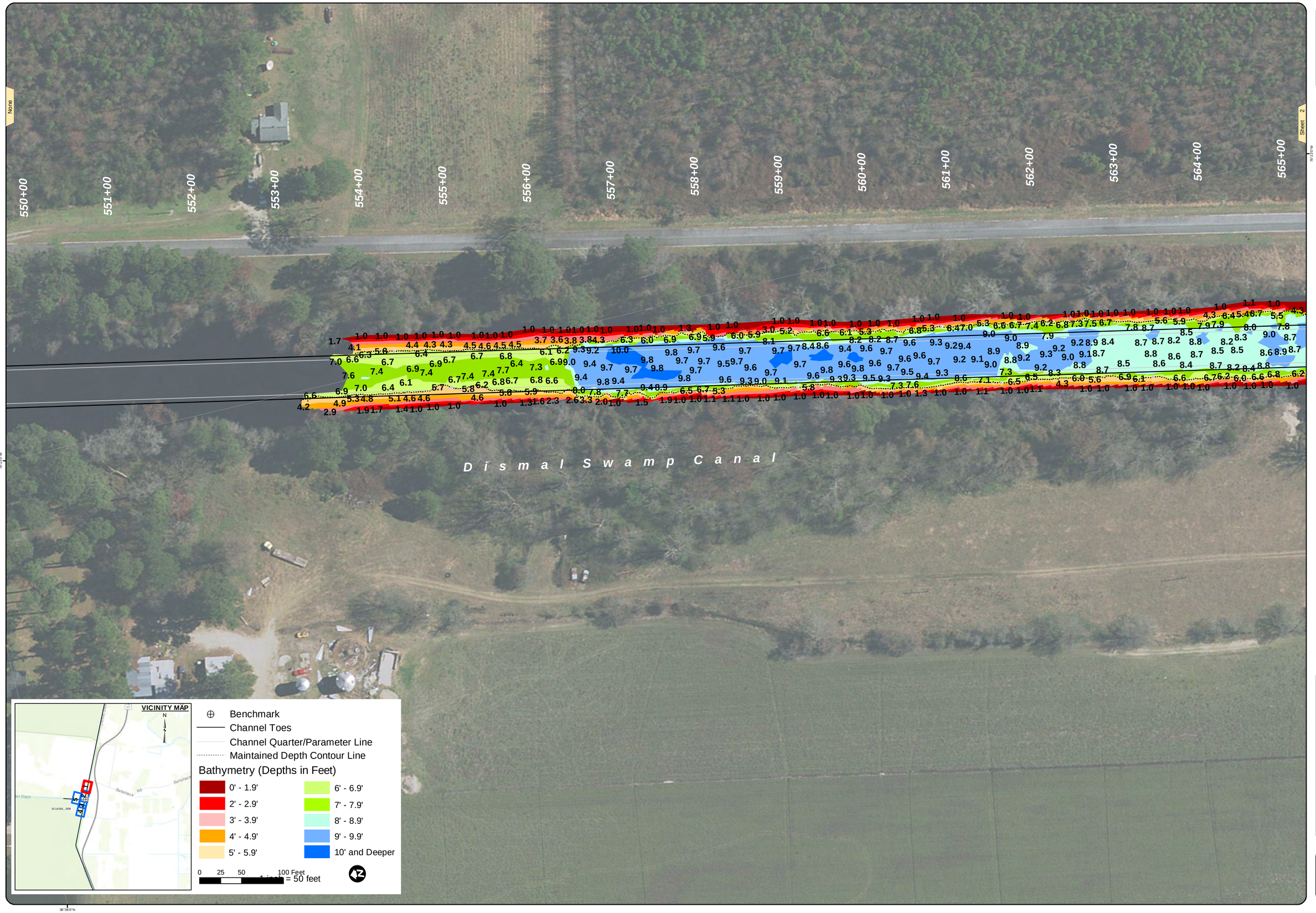


US Army Corps of Engineers
Norfolk District

NOTES:

1. PROJECT: ATLANTIC INTRACOASTAL WATERWAY- DISMAL SWAMP CANAL ROUTE: A CHANNEL 9 FEET DEEP (MAINTAINED TO 6 FEET) AND 50 FEET WIDE. UNTIL TRAFFIC INDICATES THE NEED FOR A CHANGE A 6-FOOT DEEP CHANNEL WILL BE MAINTAINED.
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 15 FT RADIUS GENERATED FROM HYDROSURVEY DATA.
4. BACKGROUND: ESRI IMAGERY GIS WEB SERVICE.
5. 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: +/- 1 FOOT
HORIZONTAL CONTROL: LEICA RTK POS PAC

VERTICAL REFERENCE DATUM: DSC DATUM
TIDAL EPOCH: DSC DATUM
IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET
VERTICAL CONTROL: LEICA RTK POS PAC
TIDE APPLICATION: LEICA RTK POS PAC
SYSTEM/METHOD: MULTI-BEAM
BIN SIZE: 1X1'
BIN SELECTION METHOD: AVERAGE CELL CENTER

GEODETIC CONTROL MONUMENTS

MONUMENT	DSC DATUM CE LOW WATER	NAVD88	MEAN RANGE OF TIDE	AREA
CE "SCUSSEL, 2009"	13.20'	20.27'(GEOID12B)	NON TIDAL	555+00 to 595+00 & 0+00 to 11+00

ATLANTIC INTRACOASTAL WATERWAY (AIW) DISMAL SWAMP CANAL PROJECT CONDITION SURVEY (AFTER DREDGING)

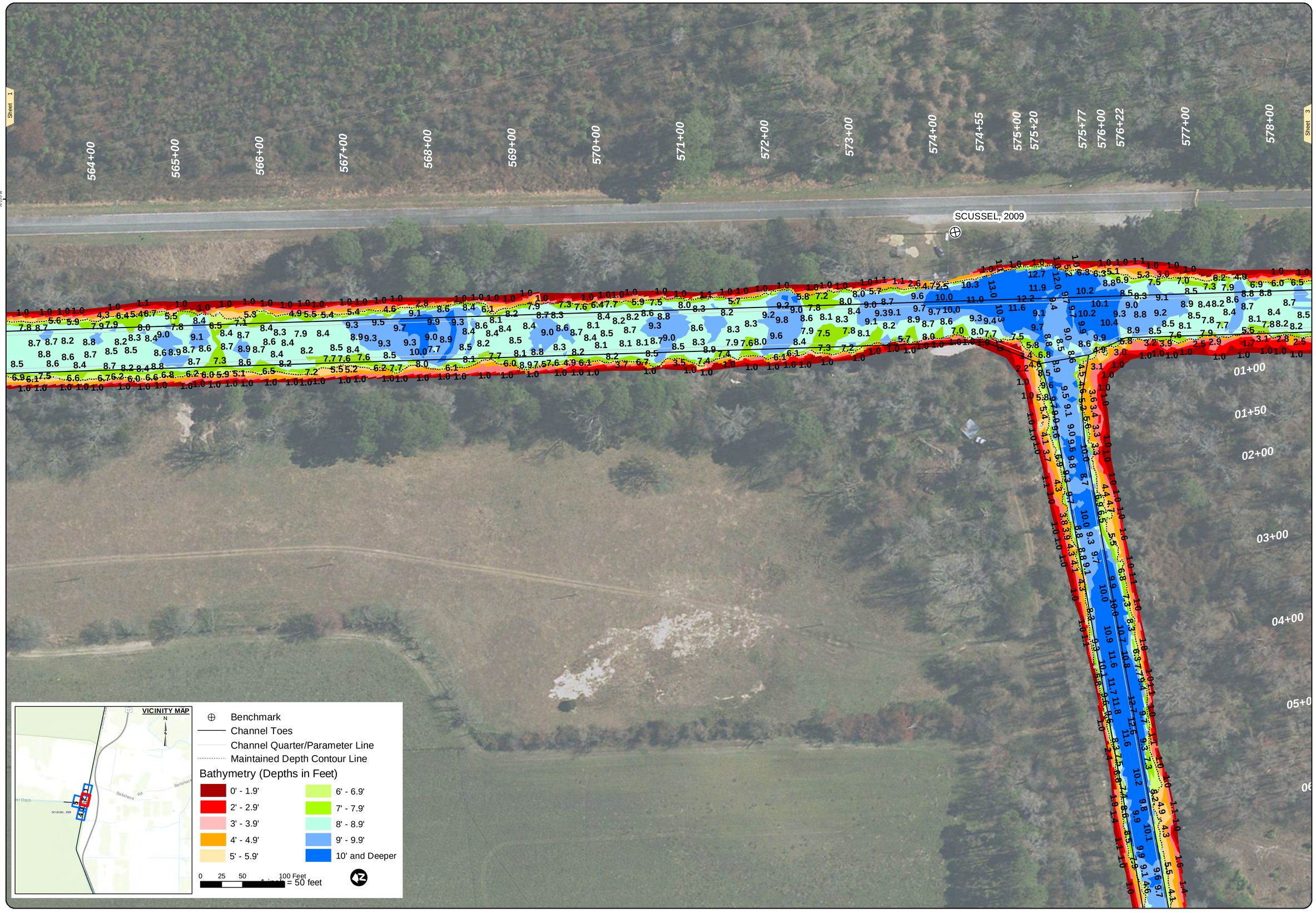
SURVEY DATE:
May 22, 2019

SURVEY BY: USACE Team Lead: Mike Williams
eHYDRO FILE: IW_06_DSC_20190522_AD

SHEET 1 of 5
Map Produced: 6/4/2019

APPROVED:
Jeff Swallow
Digitally signed by Jeff Swallow
Date: 2019.06.03 08:41:17 -04'00'
Chief, Navigation Analysis Section

APPROVED:
Digitally signed by Eric Legaspi
Date: 2019.06.14 10:31:04 -04'00'
Chief, Navigation Support and Survey Section



US Army Corps of Engineers
Norfolk District

NOTES:

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PROJECTED COORDINATE SYSTEM: STATE PLANE
DATUM NAME: NAD 83
HORIZONTAL ZONE: VIRGINIA SOUTH ZONE
PROJECTED COORDINATE UNITS: US SURVEY FEET
IMPLIED HORIZONTAL ACCURACY: +/- 1 FOOT
HORIZONTAL CONTROL: LEICA RTK POS PAC

VERTICAL REFERENCE DATUM: DSC DATUM
TIDAL EPOCH: DSC DATUM
IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET
VERTICAL CONTROL: LEICA RTK POS PAC
TIDE APPLICATION: LEICA RTK POS PAC
SYSTEM/METHOD: MULTI-BEAM
BIN SIZE: 1X1'
BIN SELECTION METHOD: AVERAGE CELL CENTER

GEODETIC CONTROL MONUMENTS

MONUMENT	DSC DATUM CE LOW WATER	NAVD88	MEAN RANGE OF TIDE	AREA
CE "SCUSSEL, 2009"	13.20'	20.27'(GEOID12B)	NON TIDAL	555+00 to 595+00 & 0+00 to 11+00

ATLANTIC INTRACOASTAL WATERWAY (AIW) DISMAL SWAMP CANAL PROJECT CONDITION SURVEY (AFTER DREDGING)

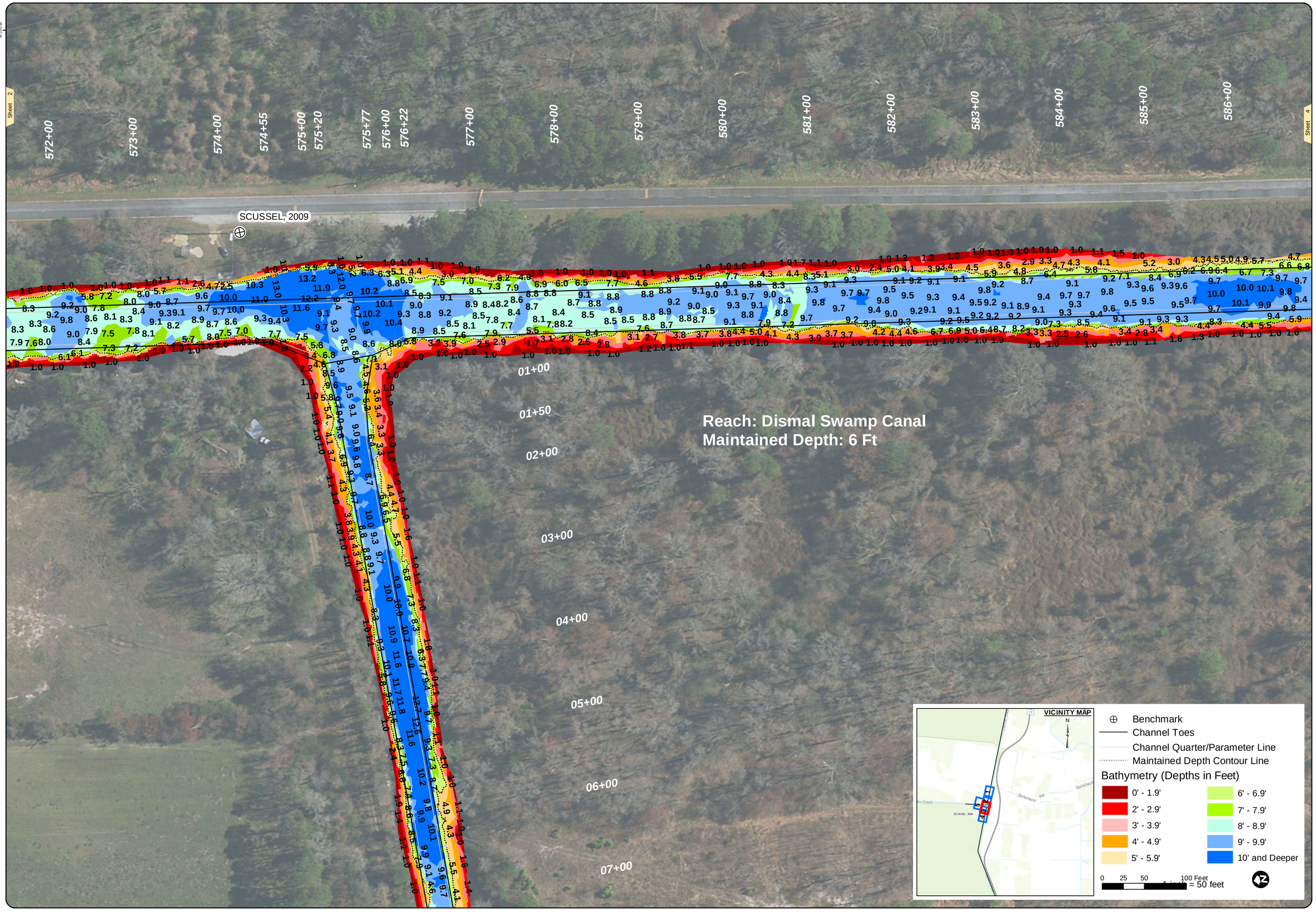
SURVEY DATE:
May 22, 2019

SURVEY BY: USACE Team Lead: Mike Williams
eHYDRO FILE: IW_06_DSC_20190522_AD

SHEET 2 of 5
Map Produced: 6/4/2019

APPROVED:
Chief, Navigation Analysis Section

APPROVED:
Chief, Navigation Support and Survey Section



US Army Corps of Engineers
Norfolk District

NOTES:

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PROJECTED COORDINATE SYSTEM: STATE PLANE
DATUM NAME: NAD 83
HORIZONTAL ZONE: VIRGINIA SOUTH ZONE
PROJECTED COORDINATE UNITS: US SURVEY FEET
IMPLIED HORIZONTAL ACCURACY: +/- 1 FOOT
HORIZONTAL CONTROL: LEICA RTK POS PAC

VERTICAL REFERENCE DATUM: DSC DATUM
TIDAL EPOCH: DSC DATUM
IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET
VERTICAL CONTROL: LEICA RTK POS PAC
TIDE APPLICATION: LEICA RTK POS PAC
SYSTEM/METHOD: MULTI-BEAM
BIN SIZE: 1X1'
BIN SELECTION METHOD: AVERAGE CELL CENTER

GEODETIC CONTROL MONUMENTS

MONUMENT	DSC DATUM CE LOW WATER	NAVD88	MEAN RANGE OF TIDE	AREA
CE "SCUSSEL, 2009"	13.20'	20.27'(GEOID12B)	NON TIDAL	555+00 to 595+00 & 0+00 to 11+00

ATLANTIC INTRACOASTAL WATERWAY (AIW) DISMAL SWAMP CANAL PROJECT CONDITION SURVEY (AFTER DREDGING)

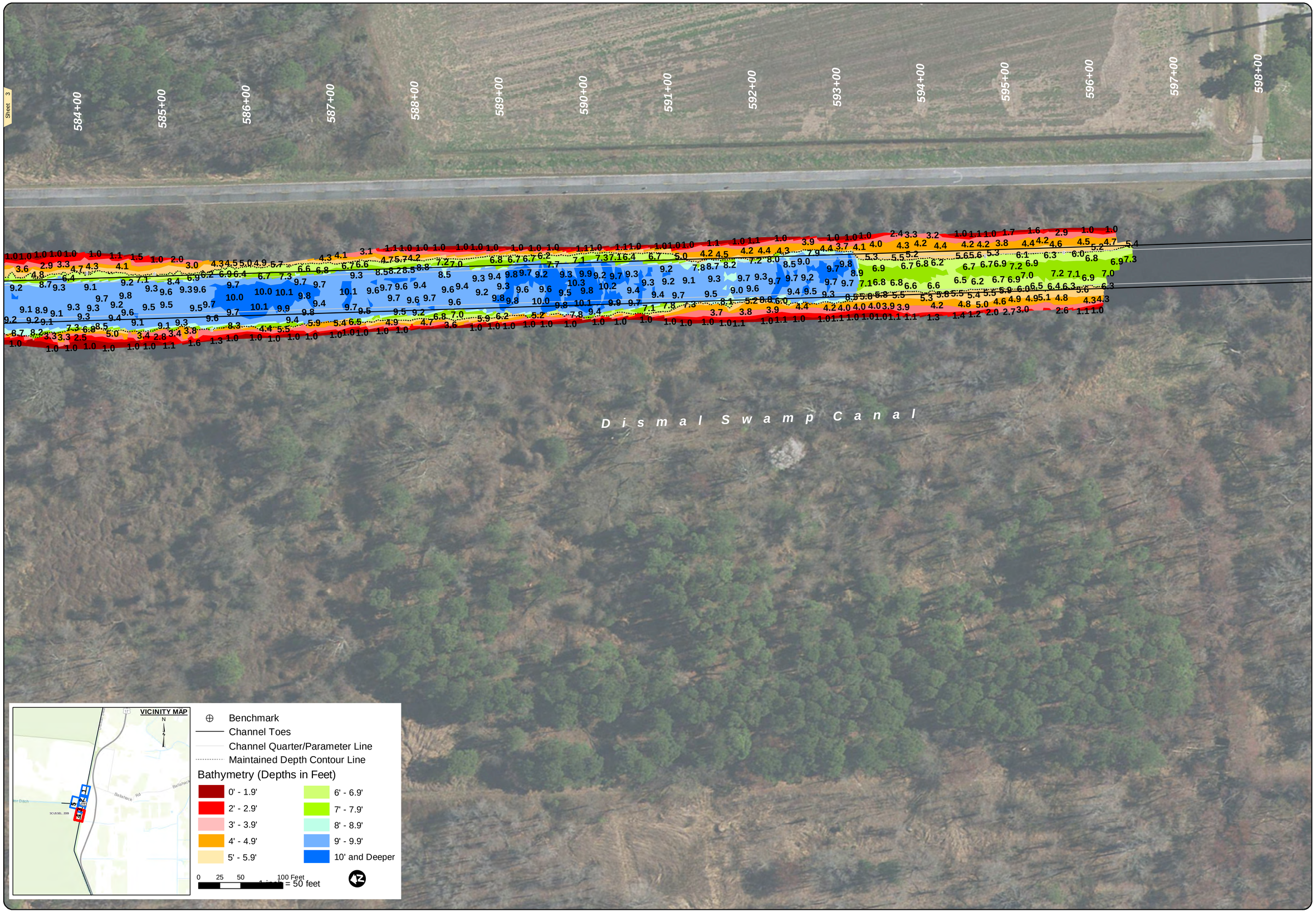
SURVEY DATE:
May 22, 2019

SURVEY BY: USACE Team Lead: Mike Williams
eHYDRO FILE: IW_06_DSC_20190522_AD

SHEET 3 of 5
Map Produced: 6/4/2019

APPROVED:
Chief, Navigation Analysis Section

APPROVED:
Chief, Navigation Support and Survey Section



US Army Corps of Engineers
Norfolk District

NOTES:

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4. BACKGROUND: ESRI IMAGERY GIS WEB SERVICE.
5. 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: +/- 1 FOOT
HORIZONTAL CONTROL: LEICA RTK POS PAC

VERTICAL REFERENCE DATUM: DSC DATUM
TIDAL EPOCH: DSC DATUM
IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET
VERTICAL CONTROL: LEICA RTK POS PAC
TIDE APPLICATION: LEICA RTK POS PAC
SYSTEM/METHOD: MULTI-BEAM
BIN SIZE: 1X1'
BIN SELECTION METHOD: AVERAGE CELL CENTER

GEODETIC CONTROL MONUMENTS

MONUMENT	DSC DATUM CE LOW WATER	NAVD88	MEAN RANGE OF TIDE	AREA
CE "SCUSSEL, 2009"	13.20'	20.27'(GEOID12B)	NON TIDAL	555+00 to 595+00 & 0+00 to 11+00

ATLANTIC INTRACOASTAL WATERWAY (AIW) DISMAL SWAMP CANAL PROJECT CONDITION SURVEY (AFTER DREDGING)

SURVEY DATE:
May 22, 2019

SURVEY BY: USACE Team Lead: Mike Williams
eHYDRO FILE: IW_06_DSC_20190522_AD

SHEET 4 of 5
Map Produced: 6/4/2019

APPROVED:
Chief, Navigation Analysis Section

APPROVED:
Chief, Navigation Support and Survey Section

US Army Corps of Engineers
Norfolk District

NOTES:

1. PROJECT: ATLANTIC INTRACOASTAL WATERWAY- DISMAL SWAMP CANAL ROUTE. A CHANNEL 9 FEET DEEP (MAINTAINED TO 6 FEET) AND 50 FEET WIDE. UNTIL TRAFFIC INDICATES THE NEED FOR A CHANGE A 6-FOOT DEEP CHANNEL WILL BE MAINTAINED.
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4. BACKGROUND: ESRI IMAGERY GIS WEB SERVICE.
5. SURVEY XYZ (*.XYZ) AND METADATA (*.MET) FILE NAME REFERENCED BY eHYDRO FILE NAME.

PROJECTED COORDINATE SYSTEM: STATE PLANE
DATUM/ELLIPSOID: NAD83
HORIZONTAL ZONE: VIRGINIA SOUTH ZONE
PROJECTED COORDINATE UNITS: US SURVEY FEET
INPUT COORDINATE ACCURACY: +/- 1.0 FEET
HORIZONTAL CONTROL: LEICA RTK POS PAC

VERTICAL REFERENCE DATUM: DSC DATUM
VERTICAL UNITS: US SURVEY FEET
IMPLIED VERTICAL ACCURACY: +/- 0.5 FEET
VERTICAL CONTROL: LEICA RTK POS PAC
INPUT SOUNDINGS: LEICA RTK POS PAC
SYSTEM/METHOD: MULTI-BEAM
BIN SIZE: 1x1
BIN SELECTION METHOD: AVERAGE CELL CENTER

GEODETIC CONTROL MONUMENTS

MONUMENT	DSC DATUM CE LOW WATER	NAVD88	MEAN RANGE OF TIDE	AREA
CE "SCUSSEL, 2009"	13.20	20.27 (GEOID12B)	NON TIDAL	SSS-0+00 to 16+00 & D-0+00 to 13+00

ATLANTIC INTRACOASTAL WATERWAY (AIW) DISMAL SWAMP CANAL PROJECT CONDITION SURVEY (AFTER DREDGING)

SURVEY DATE:
May 22, 2019

SURVEY BY: USACE Team Lead: Mike Williams
eHYDRO FILE: IW_06_DSC_20190522_AD

SHEET 5 of 5
Map Produced: 6/4/2019

APPROVED:

Chief, Navigation Analysis Section

APPROVED:

Chief, Navigation Support and Survey Section