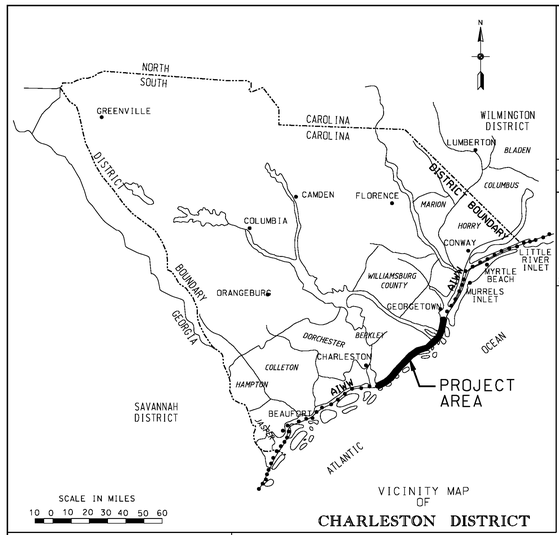
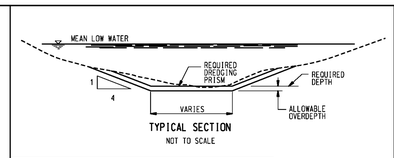
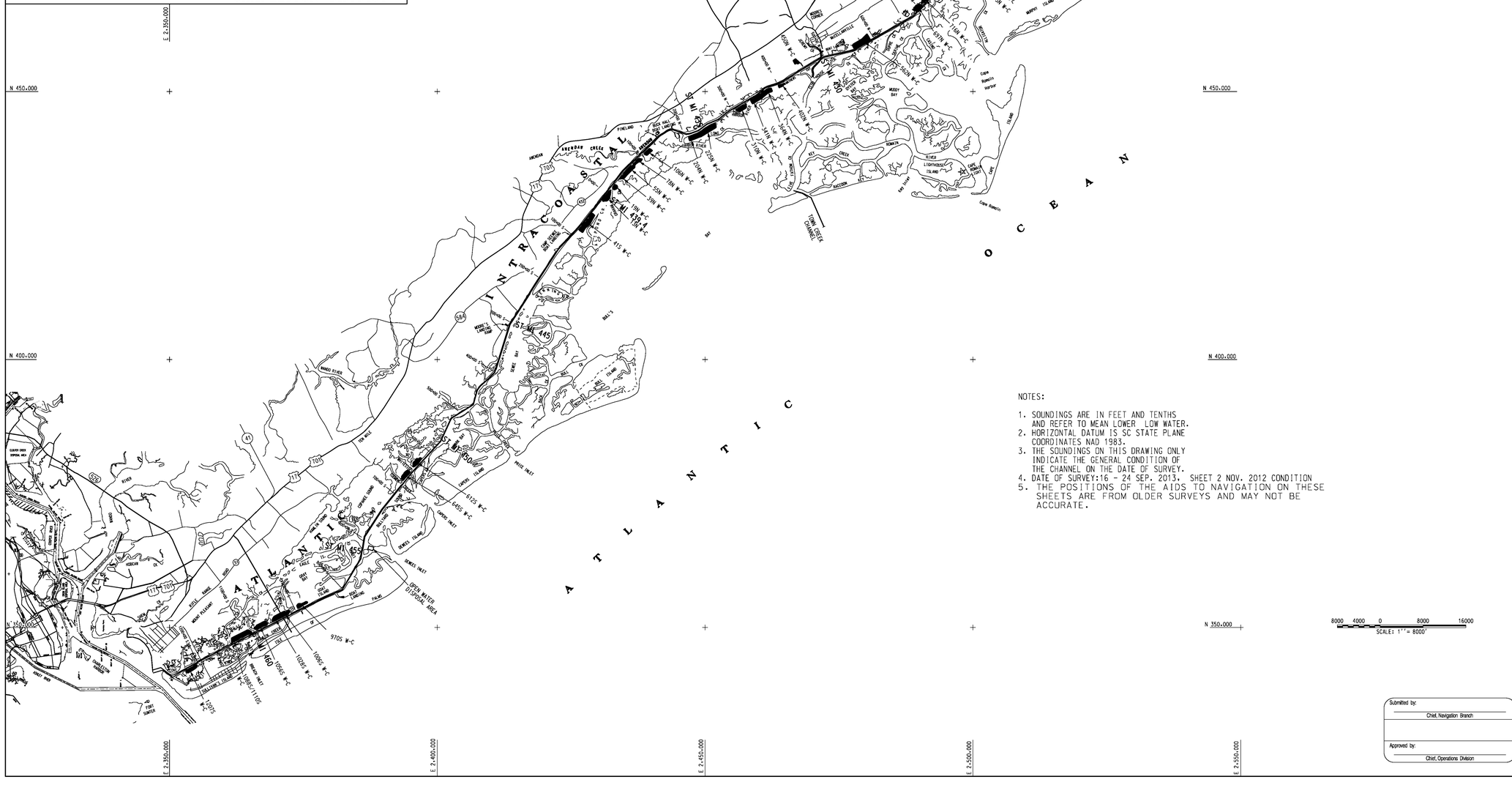




TYPICAL SECTION
NOT TO SCALE

	ALL SHOALS EXCEPT 17	SHOAL 17
REQUIRED DEPTH	11 FT MLW	10 FT MLW
ALLOWABLE OVERDEPTH	1 FEET	1 FEET

NOTES:
1. ADDITIVE FOR SHOAL 17 IS 1' ADDITIONAL ALLOWABLE OVERDEPTH



NOTES:

1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS SC STATE PLANE COORDINATES NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY:16 - 24 SEP. 2013. SHEET 2 NOV. 2012 CONDITION
5. THE POSITIONS OF THE AIDS TO NAVIGATION ON THESE SHEETS ARE FROM OLDER SURVEYS AND MAY NOT BE ACCURATE.

8000 4000 0 8000 16000
SCALE: 1" = 8000'

Submitted by:
Chief, Navigation Branch

Approved by:
Chief, Operations Division

US Army Corps of Engineers
Charleston District

No.	Issue Block Description	Date	Appvr.	No.	Issue Block Description	Date	Appvr.
No. 1	Issue Block Description 1	Date 1	Appvr. 1	No. 9	Issue Block Description 9	Date 9	Appvr. 9
No. 2	Issue Block Description 2	Date 2	Appvr. 2	No. 10	Issue Block Description 10	Date 10	Appvr. 10
No. 3	Issue Block Description 3	Date 3	Appvr. 3	No. 11	Issue Block Description 11	Date 11	Appvr. 11
No. 4	Issue Block Description 4	Date 4	Appvr. 4	No. 12	Issue Block Description 12	Date 12	Appvr. 12
No. 5	Issue Block Description 5	Date 5	Appvr. 5	No. 13	Issue Block Description 13	Date 13	Appvr. 13
No. 6	Issue Block Description 6	Date 6	Appvr. 6	No. 14	Issue Block Description 14	Date 14	Appvr. 14
No. 7	Issue Block Description 7	Date 7	Appvr. 7	No. 15	Issue Block Description 15	Date 15	Appvr. 15
No. 8	Issue Block Description 8	Date 8	Appvr. 8	No. 16	Issue Block Description 16	Date 16	Appvr. 16
MARK	DESCRIPTION	DATE	APPRV	MARK	DESCRIPTION	DATE	APPRV

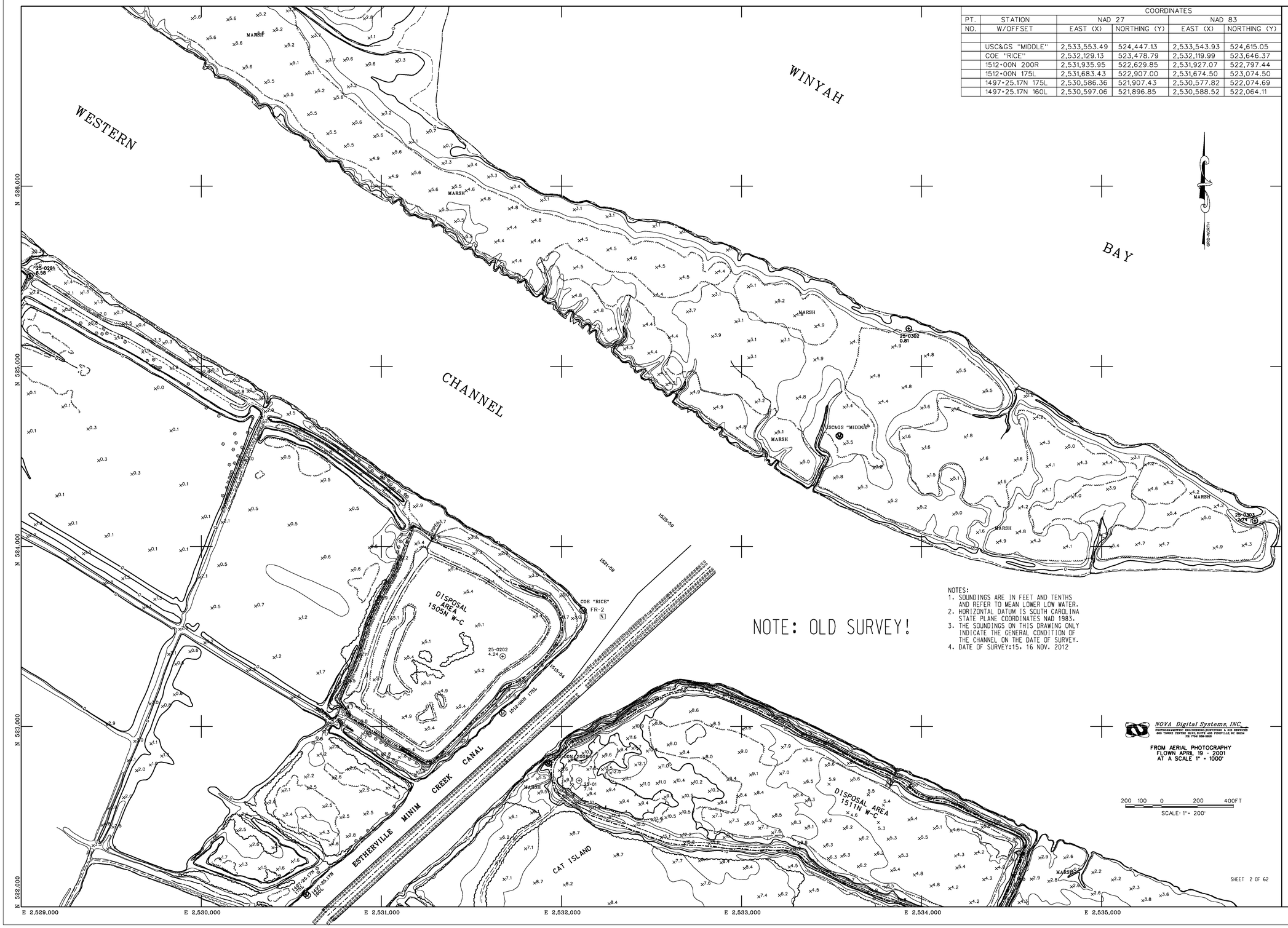
SURVEYED BY: MILLBROOK
Drawn by: MRV
Oct by:
Reviewed by:
Submitted by:

Date: OCT. 2013
Design file no.: 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 8000'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
CONDITION SURVEY
9508
GEORGETOWN,CHARLESTON COUNTIES,SOUTH CAROLINA

SHEET 1 OF 62



PT. NO.	STATION W/OFFSET	COORDINATES NAD 27 EAST (X)	NAD 27 NORTHING (Y)	NAD 83 EAST (X)	NAD 83 NORTHING (Y)
	USC&GS "MIDDLE"	2,533,553.49	524,447.13	2,533,543.93	524,615.05
	COE "RICE"	2,532,129.13	523,478.79	2,532,119.99	523,646.37
	1512+00N 200R	2,531,935.95	522,629.85	2,531,927.07	522,797.44
	1512+00N 175L	2,531,683.43	522,907.00	2,531,674.50	523,074.50
	1497+25.17N 175L	2,530,586.36	521,907.43	2,530,577.82	522,074.69
	1497+25.17N 160L	2,530,597.06	521,896.85	2,530,588.52	522,064.11

NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATES NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY:15, 16 NOV. 2012

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

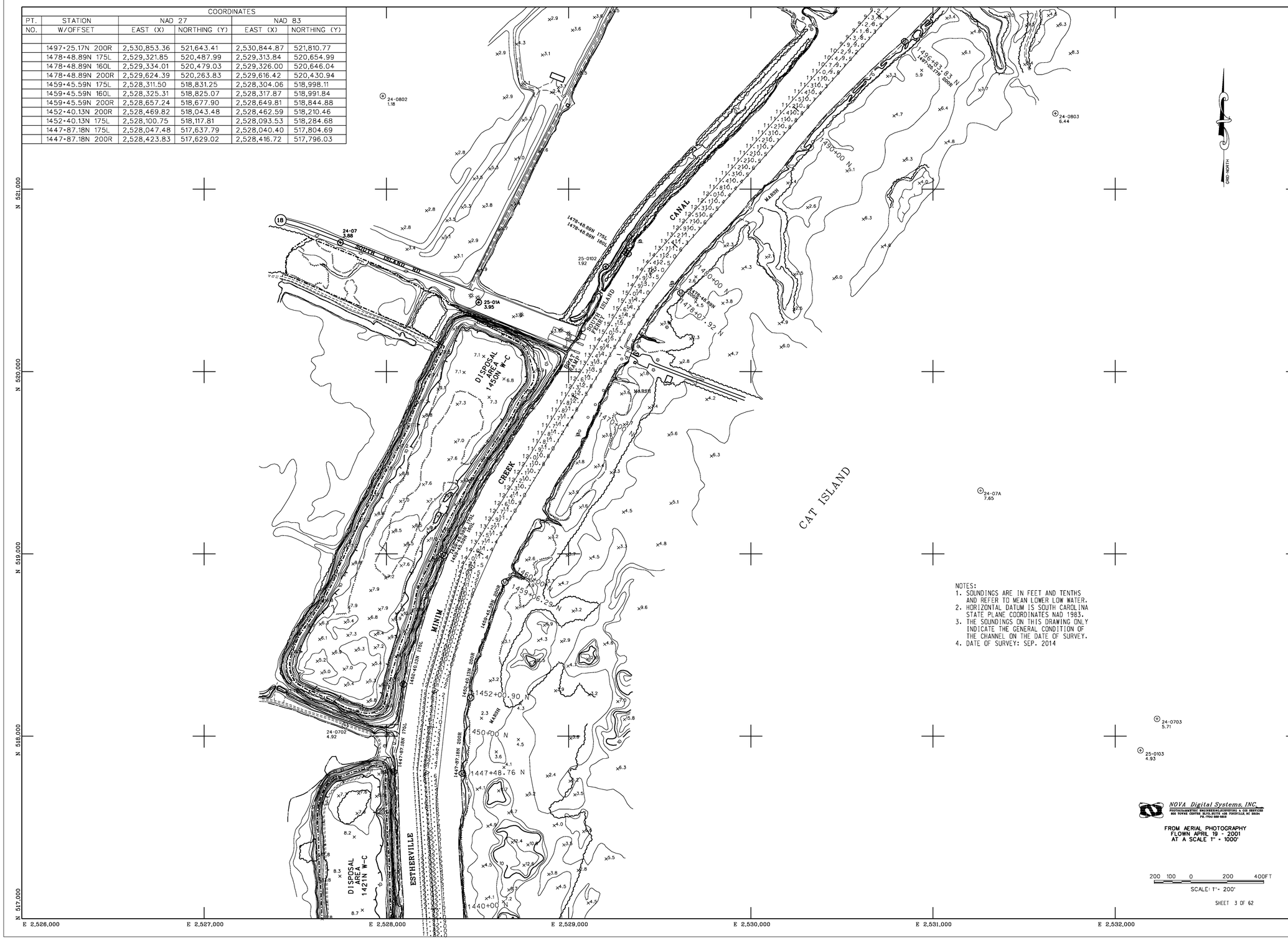
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA.1497+65N TO 1525+59N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 2 OF 62

WC-S2.DGN

PT. NO.	STATION W/OFFSET	COORDINATES NAD 27 EAST (X)	NAD 27 NORTHING (Y)	NAD 83 EAST (X)	NAD 83 NORTHING (Y)
	1497+25.17N 200R	2,530,853.36	521,643.41	2,530,844.87	521,810.77
	1478+48.89N 175L	2,529,321.85	520,487.99	2,529,313.84	520,654.99
	1478+48.89N 160L	2,529,334.01	520,479.03	2,529,326.00	520,646.04
	1478+48.89N 200R	2,529,624.39	520,263.83	2,529,616.42	520,430.94
	1459+45.59N 175L	2,528,311.50	518,831.25	2,528,304.06	518,998.11
	1459+45.59N 160L	2,528,325.31	518,825.07	2,528,317.87	518,991.84
	1459+45.59N 200R	2,528,657.24	518,677.90	2,528,649.81	518,844.88
	1452+40.13N 200R	2,528,469.82	518,043.48	2,528,462.59	518,210.46
	1452+40.13N 175L	2,528,100.75	518,117.81	2,528,093.53	518,284.68
	1447+87.18N 175L	2,528,047.48	517,637.79	2,528,040.40	517,804.69
	1447+87.18N 200R	2,528,423.83	517,629.02	2,528,416.72	517,796.03



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATES NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2014

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD,SUITE 400 PORTSVILLE, SC 29574
PH.(704) 559-5023

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

SHEET 3 OF 62

US Army Corps of Engineers
Charleston District

MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

Designed by:
Drawn by: MRV
Checked by: Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name: WC-S3.DGN
Dwg scale: 1" = 200'

AWIW, WINYAH BAY TO CHARLESTON

STA. 1439+46N TO STA.1497+65N

9508

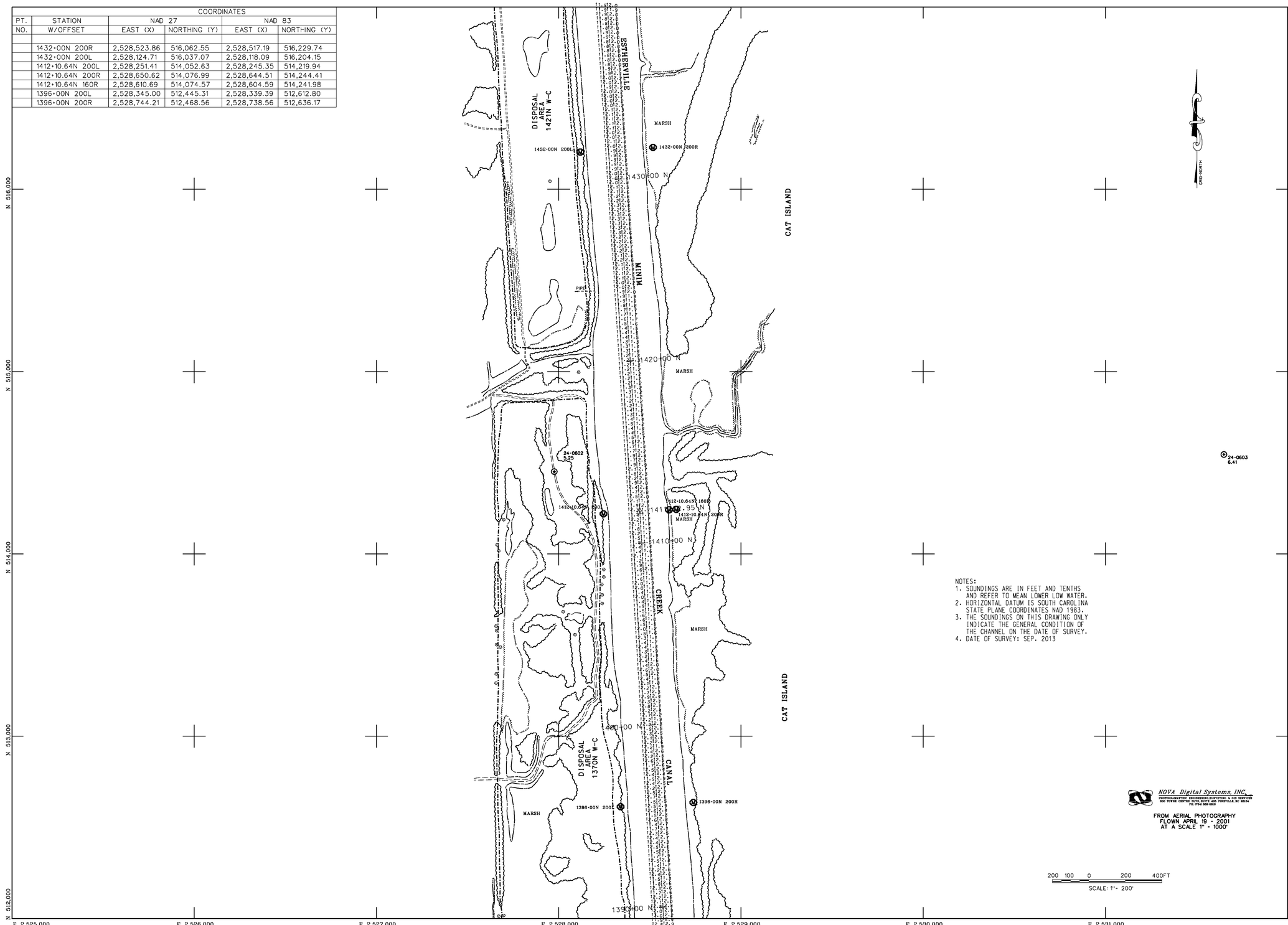
GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 3 OF 62

WC-S3.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1432+00N 200R	2,528,523.86	516,062.55	2,528,517.19	516,229.74
	1432+00N 200L	2,528,124.71	516,037.07	2,528,118.09	516,204.15
	1412+10.64N 200L	2,528,251.41	514,052.63	2,528,245.35	514,219.94
	1412+10.64N 200R	2,528,650.62	514,076.99	2,528,644.51	514,244.41
	1412+10.64N 160R	2,528,610.69	514,074.57	2,528,604.59	514,241.98
	1396+00N 200L	2,528,345.00	512,445.31	2,528,339.39	512,612.80
	1396+00N 200R	2,528,744.21	512,468.56	2,528,738.56	512,636.17



NOTES:
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2. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATES NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-6818

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPRV	MARK	DESCRIPTION	DATE	APPRV

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

AIWW, WINYAH BAY TO CHARLESTON
STA. 1389+37N TO STA. 1439+46N
9508
GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 4 OF 62

WC-S4.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1379+00N 200L	2,528,443.51	510,748.39	2,528,438.38	510,916.07
	1379+00N 200R	2,528,842.81	510,771.59	2,528,837.64	510,939.38
	1368+10.89N 160R	2,528,865.94	509,682.30	2,528,861.08	509,850.20
	1362+00N 200L	2,528,542.24	509,051.57	2,528,537.59	509,219.44
	1362+00N 200R	2,528,941.59	509,074.66	2,528,936.90	509,242.64
	1345+12.99N 200L	2,528,639.13	507,385.45	2,528,634.95	507,553.50
	1345+12.99N 200R	2,529,040.49	507,372.92	2,529,036.28	507,541.09
	1345+12.99N 160R	2,529,000.37	507,374.17	2,528,996.16	507,542.33

NOTES:
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3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
800 TOWER CENTER BOULEVARD, FORKVILLE, PA 18624
PH.(724) 996-4600

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

MARK	DATE	DESCRIPTION	MARK	MARK	DATE	DESCRIPTION

Designed by:
Date: OCT. 2013
Rev:
Drawn by: MRV
Ckd by:
Design file no: 9508
Reviewed by:
Drawing Code:
Submitted by:
File name:
Plot date:
Plot scale: 1" = 200'

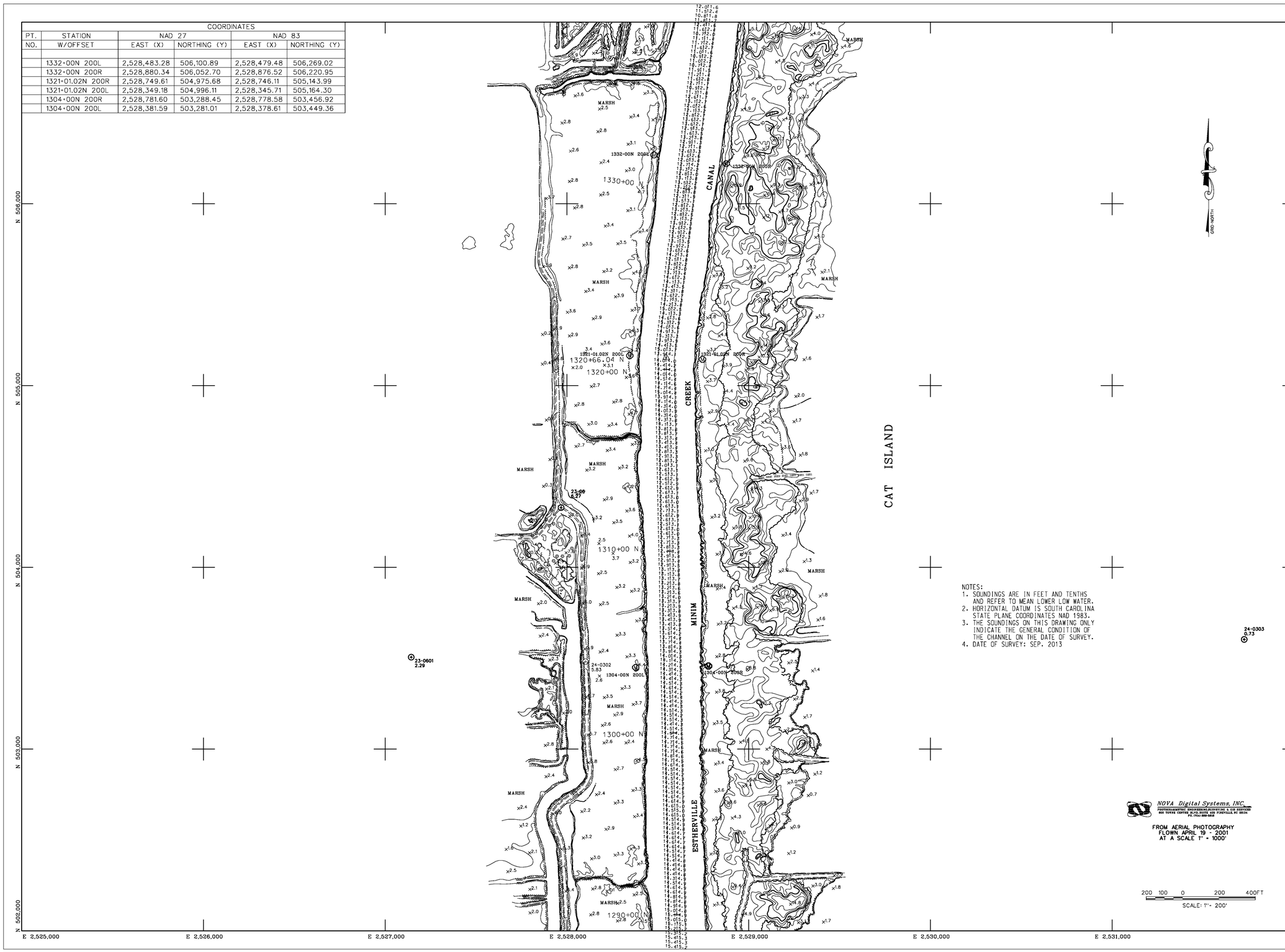
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 1339+25N TO STA. 1389+37N
9508
GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 5 OF 62

WC-55.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1332+00N 200L	2,528,483.28	506,100.89	2,528,479.48	506,269.02
	1332+00N 200R	2,528,880.34	506,052.70	2,528,876.52	506,220.95
	1321+01.02N 200R	2,528,749.61	504,975.68	2,528,746.11	505,143.99
	1321+01.02N 200L	2,528,349.18	504,996.11	2,528,345.71	505,164.30
	1304+00N 200R	2,528,781.60	503,288.45	2,528,778.58	503,456.92
	1304+00N 200L	2,528,381.59	503,281.01	2,528,378.61	503,449.36



NOTES:
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4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-9818

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

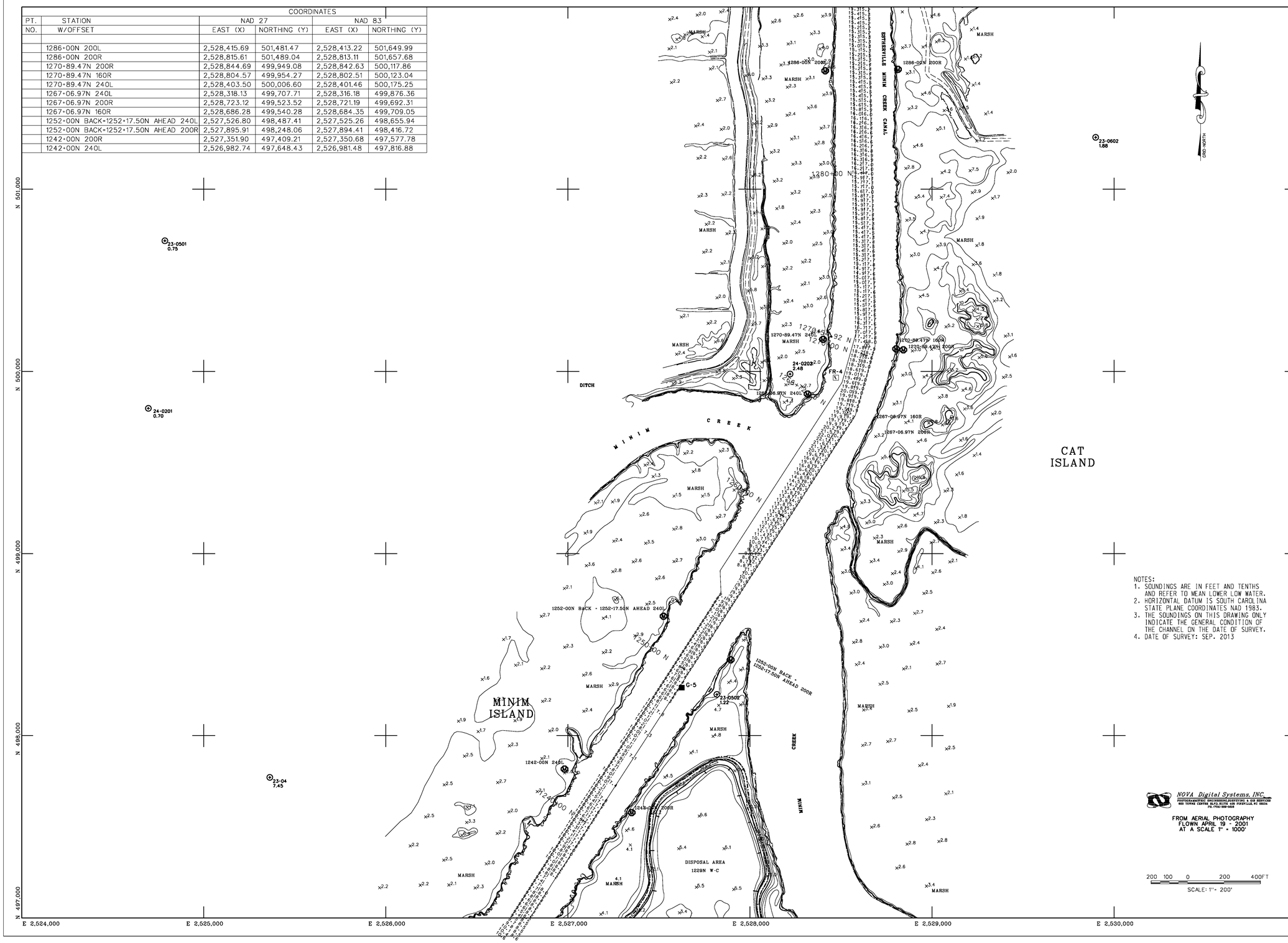
AIWW, WINYAH BAY TO CHARLESTON
STA. 1289+11N TO STA. 1339+25N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 6 OF 62

WC-S6.DGN

PT. NO.	STATION W/OFFSET	COORDINATES NAD 27 EAST (X)	NAD 27 NORTHING (Y)	NAD 83 EAST (X)	NAD 83 NORTHING (Y)
	1286+00N 200L	2,528,415.69	501,481.47	2,528,413.22	501,649.99
	1286+00N 200R	2,528,815.61	501,489.04	2,528,813.11	501,657.68
	1270+89.47N 200R	2,528,844.69	499,949.08	2,528,842.63	500,117.86
	1270+89.47N 160R	2,528,804.57	499,954.27	2,528,802.51	500,123.04
	1270+89.47N 240L	2,528,403.50	500,006.60	2,528,401.46	500,175.25
	1267+06.97N 240L	2,528,318.13	499,707.71	2,528,316.18	499,876.36
	1267+06.97N 200R	2,528,723.12	499,523.52	2,528,721.19	499,692.31
	1267+06.97N 160R	2,528,686.28	499,540.28	2,528,684.35	499,709.05
	1252+00N BACK=1252+17.50N AHEAD 240L	2,527,526.80	498,487.41	2,527,525.26	498,655.94
	1252+00N BACK=1252+17.50N AHEAD 200R	2,527,895.91	498,248.06	2,527,894.41	498,416.72
	1242+00N 200R	2,527,351.90	497,409.21	2,527,350.68	497,577.78
	1242+00N 240L	2,526,982.74	497,648.43	2,526,981.48	497,816.88



NOTES:
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2. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATES NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
600 TOWNE CENTRE BLVD, SUITE 400 WINSVILLE, NC 28234
PH. (704) 888-0658

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no: 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

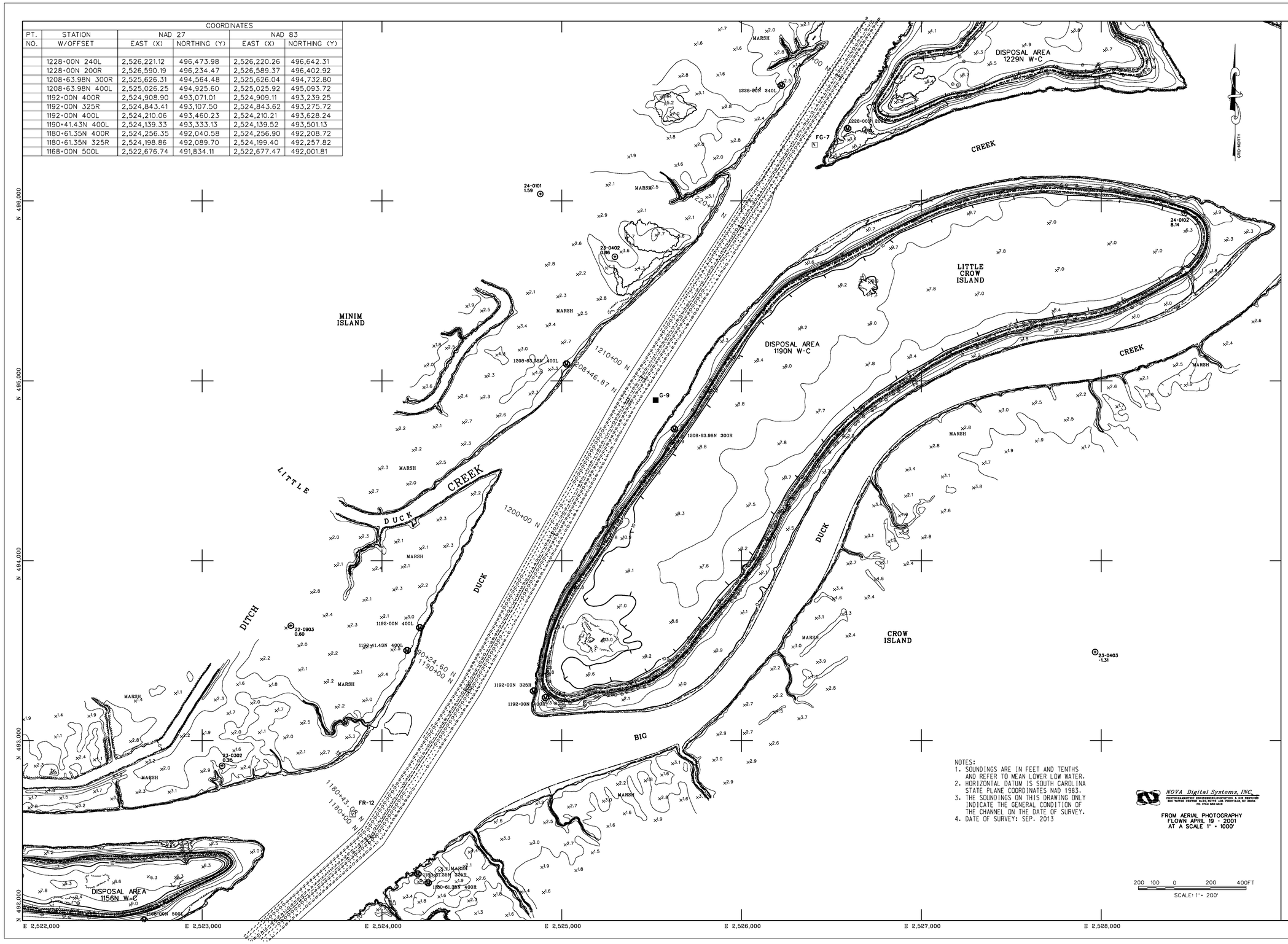
AIWW, WINYAH BAY TO CHARLESTON
STA. 1233+64N TO STA. 1289+11N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 7 OF 62

WC-S7.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1228+00N 240L	2,526,221.12	496,473.98	2,526,220.26	496,642.31
	1228+00N 200R	2,526,590.19	496,234.47	2,526,589.37	496,402.92
	1208+63.98N 300R	2,525,626.31	494,564.48	2,525,626.04	494,732.80
	1208+63.98N 400L	2,525,026.25	494,925.60	2,525,025.92	495,093.72
	1192+00N 400R	2,524,908.90	493,071.01	2,524,909.11	493,239.25
	1192+00N 325R	2,524,843.41	493,107.50	2,524,843.62	493,275.72
	1192+00N 400L	2,524,210.06	493,460.23	2,524,210.21	493,628.24
	1190+41.43N 400L	2,524,139.33	493,333.13	2,524,139.52	493,501.13
	1180+61.35N 400R	2,524,256.35	492,040.58	2,524,256.90	492,208.72
	1180+61.35N 325R	2,524,198.86	492,089.70	2,524,199.40	492,257.82
	1168+00N 500L	2,522,676.74	491,834.11	2,522,677.47	492,001.81



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATES NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
600 TOWNE CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-0618

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

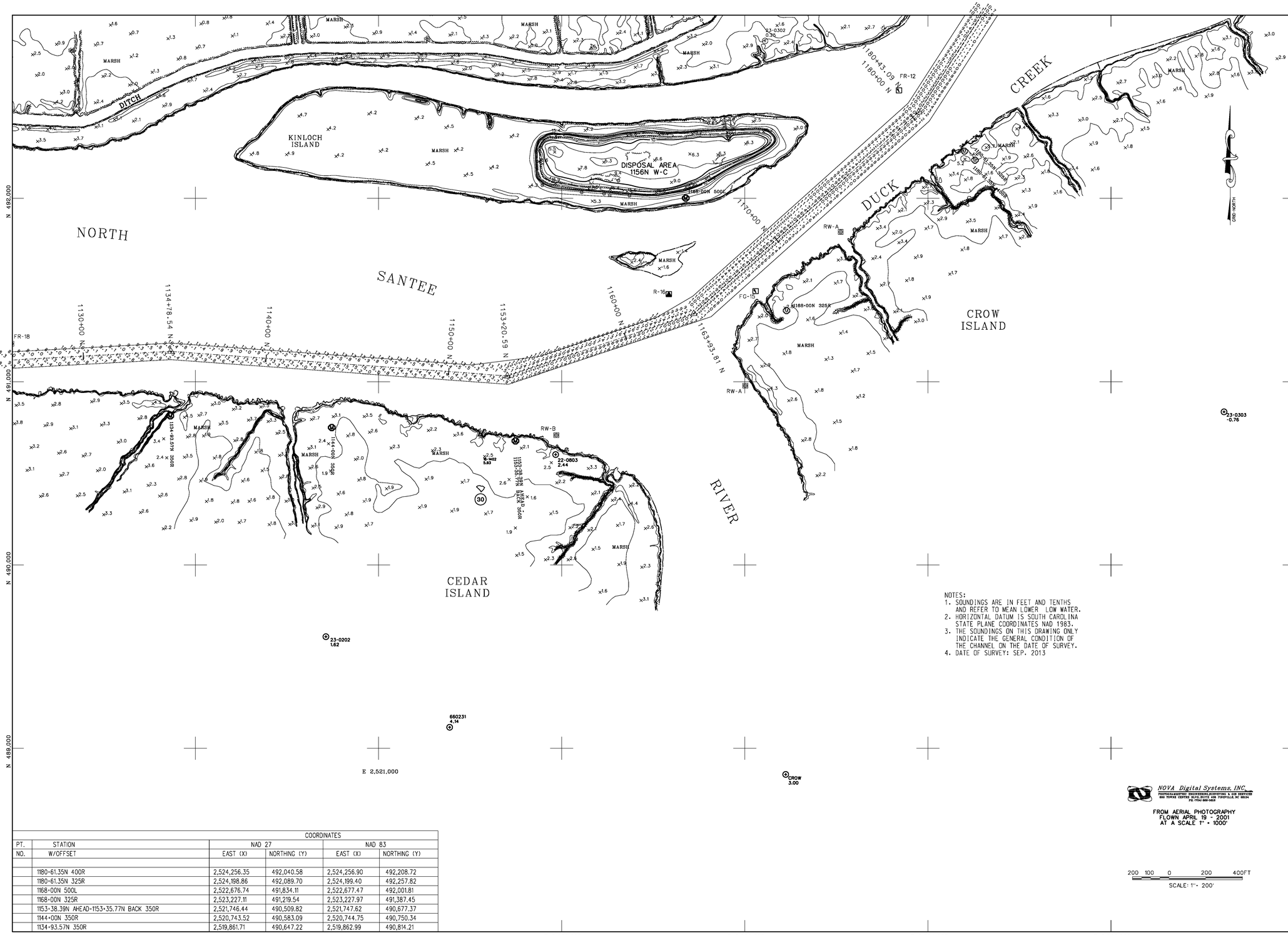
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 1173+38N TO STA. 1233+64N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 8 OF 62

WC-S8.DGN



NOTES:
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2. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATES NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1180+61.35N 400R	2,524,256.35	492,040.58	2,524,256.90	492,208.72
	1180+61.35N 325R	2,524,198.86	492,089.70	2,524,199.40	492,257.82
	1168+00N 500L	2,522,676.74	491,834.11	2,522,677.47	492,001.81
	1168+00N 325R	2,523,227.11	491,219.54	2,523,227.97	491,387.45
	1153+38.39N AHEAD+1153+35.77N BACK 350R	2,521,746.44	490,509.82	2,521,747.62	490,677.37
	1144+00N 350R	2,520,743.52	490,583.09	2,520,744.75	490,750.34
	1134+93.57N 350R	2,519,861.71	490,647.22	2,519,862.99	490,814.21

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD.SUITE 420 FORESTVILLE,SC 29204
PH:(704) 568-5828

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION

Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg. scale: 1" = 200'

Designed by:
Drawn by: MRV
Checked by:
Reviewed by:
Submitted by:

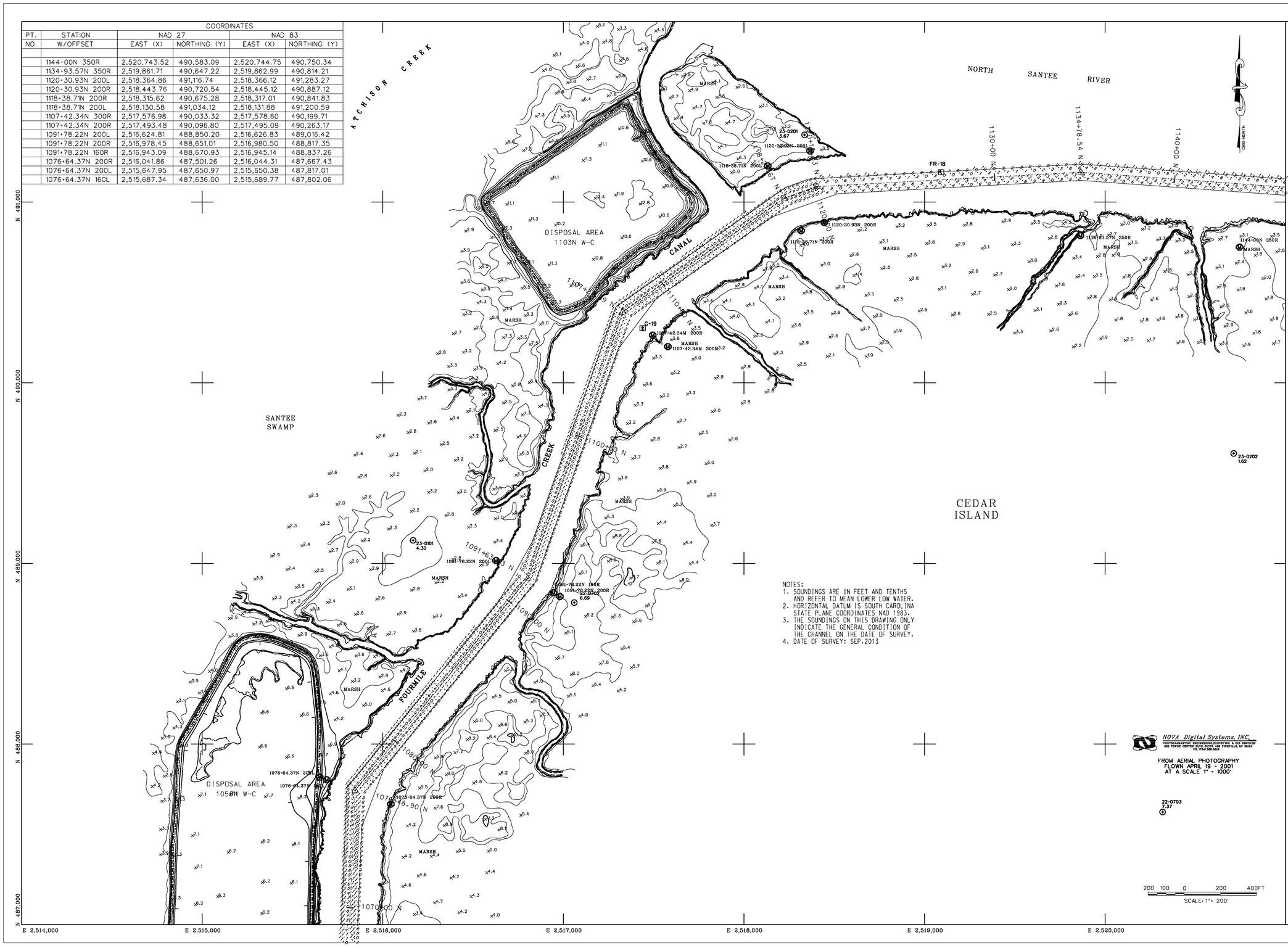
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 1126+11N TO STA. 1186+73N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 9 OF 62

WC-59.DGN

PT. NO.	STATION W/OFFSET	COORDINATES NAD 27 EAST (X)	NAD 27 NORTHING (Y)	NAD 83 EAST (X)	NAD 83 NORTHING (Y)
	1144+00N 350R	2,520,743.52	490,583.09	2,520,744.75	490,750.34
	1134+93.57N 350R	2,519,861.71	490,647.22	2,519,862.99	490,814.21
	1120+30.93N 200L	2,518,364.86	491,116.74	2,518,366.12	491,283.27
	1120+30.93N 200R	2,518,443.76	490,720.54	2,518,445.12	490,887.12
	1118+38.71N 200R	2,518,315.62	490,675.28	2,518,317.01	490,841.83
	1118+38.71N 200L	2,518,130.58	491,034.12	2,518,131.88	491,200.59
	1107+42.34N 300R	2,517,576.98	490,033.32	2,517,578.60	490,199.71
	1107+42.34N 200R	2,517,493.48	490,096.80	2,517,495.09	490,263.17
	1091+78.22N 200L	2,516,624.81	488,850.20	2,516,626.83	489,016.42
	1091+78.22N 200R	2,516,978.45	488,651.01	2,516,980.50	488,817.35
	1091+78.22N 160R	2,516,943.09	488,670.93	2,516,945.14	488,837.26
	1076+64.37N 200R	2,516,041.86	487,501.26	2,516,044.31	487,667.43
	1076+64.37N 200L	2,515,647.95	487,650.97	2,515,650.38	487,817.01
	1076+64.37N 160L	2,515,687.34	487,636.00	2,515,689.77	487,802.06



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATES NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP.2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
800 TOWER CENTRE BLVD. SUITE 1000 FAYETTEVILLE, NC 28304
(910) 323-0000 FAX: (910) 323-0010

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

MARK	DESCRIPTION	DATE	APPRV.	MARK	DESCRIPTION	DATE	APPRV.

Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Dwg scale: 1" = 200'

Designed by:
Drawn by: MRV
Checked by:
Reviewed by:
Submitted by:

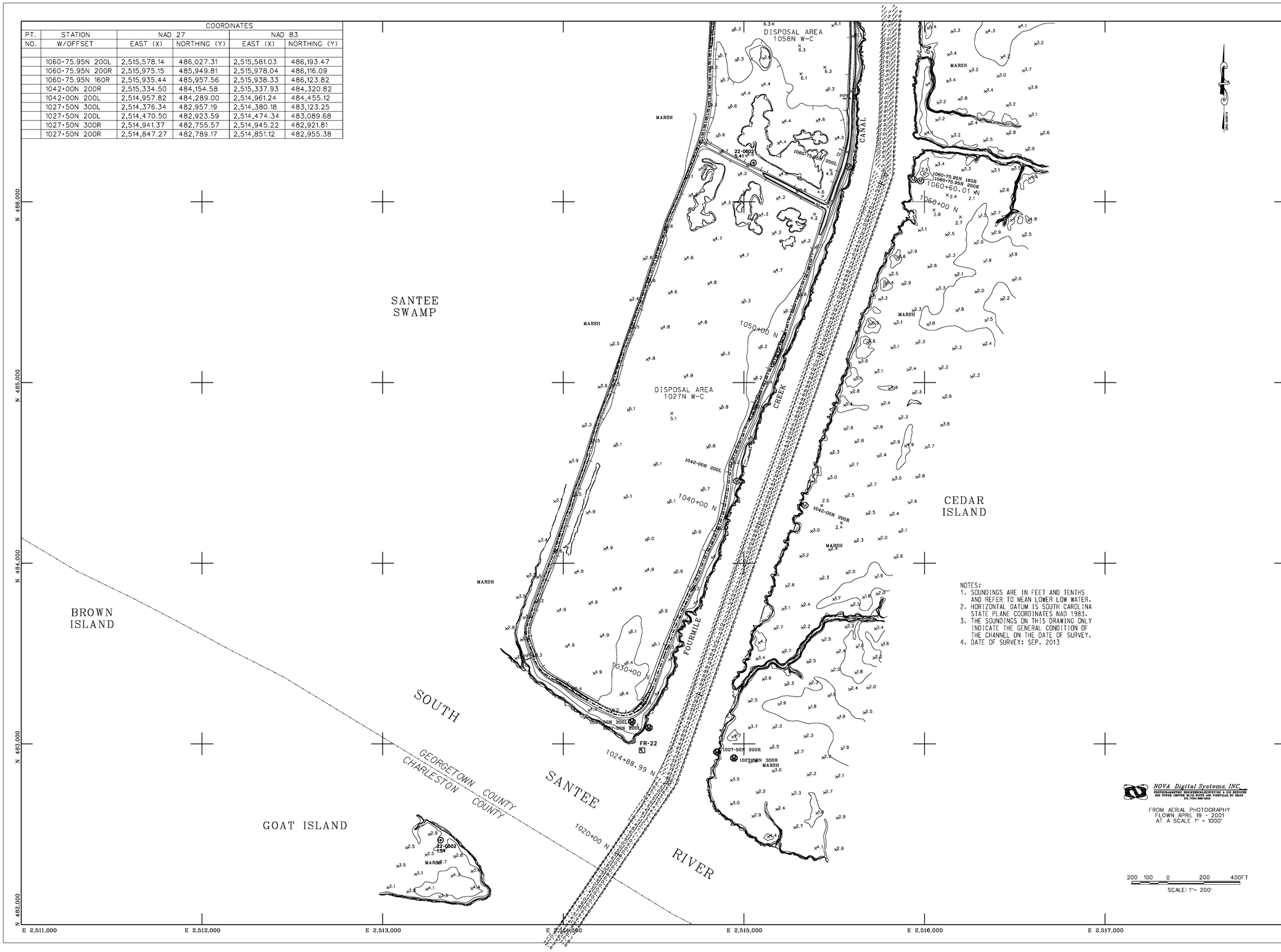
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 1069+06N TO STA. 1146+15N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 10 OF 62

WC-S10.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1060+75.95N 200L	2,515,578.14	486,027.31	2,515,581.03	486,193.47
	1060+75.95N 200R	2,515,975.15	485,949.81	2,515,978.04	486,116.09
	1060+75.95N 160R	2,515,935.44	485,957.56	2,515,938.33	486,123.82
	1042+00N 200R	2,515,334.50	484,154.58	2,515,337.93	484,320.82
	1042+00N 200L	2,514,957.82	484,289.00	2,514,961.24	484,455.12
	1027+50N 300L	2,514,376.34	482,957.19	2,514,380.18	483,123.25
	1027+50N 200L	2,514,470.50	482,923.59	2,514,474.34	483,089.68
	1027+50N 300R	2,514,941.37	482,755.57	2,514,945.22	482,921.81
	1027+50N 200R	2,514,847.27	482,789.17	2,514,851.12	482,955.38



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATES NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
600 TOWER CENTER BLVD, SUITE 400 FAIRVILLE, NC 28334
PH. (704) 889-0858

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

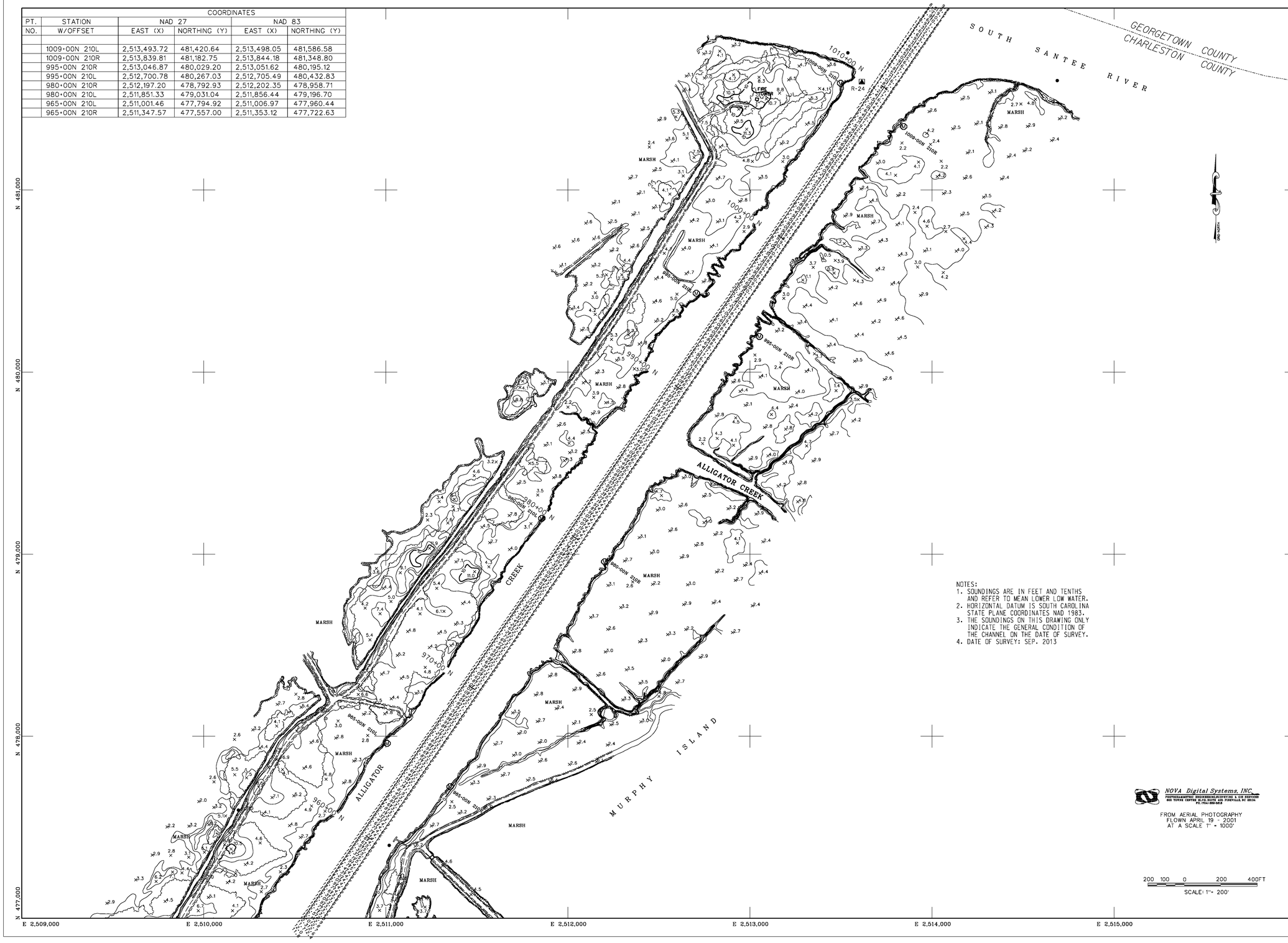
Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

AWW, WINYAH BAY TO CHARLESTON
STA. 1015+29N TO STA. 1069+06N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 11 OF 62

WC-S11.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1009+00N 210L	2,513,493.72	481,420.64	2,513,498.05	481,586.58
	1009+00N 210R	2,513,839.81	481,182.75	2,513,844.18	481,348.80
	995+00N 210R	2,513,046.87	480,029.20	2,513,051.62	480,195.12
	995+00N 210L	2,512,700.78	480,267.03	2,512,705.49	480,432.83
	980+00N 210R	2,512,197.20	478,792.93	2,512,202.35	478,958.71
	980+00N 210L	2,511,851.33	479,031.04	2,511,856.44	479,196.70
	965+00N 210L	2,511,001.46	477,794.92	2,511,006.97	477,960.44
	965+00N 210R	2,511,347.57	477,557.00	2,511,353.12	477,722.63



NOTES:
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4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-6818

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPRV	MARK	DESCRIPTION	DATE	APPRV

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

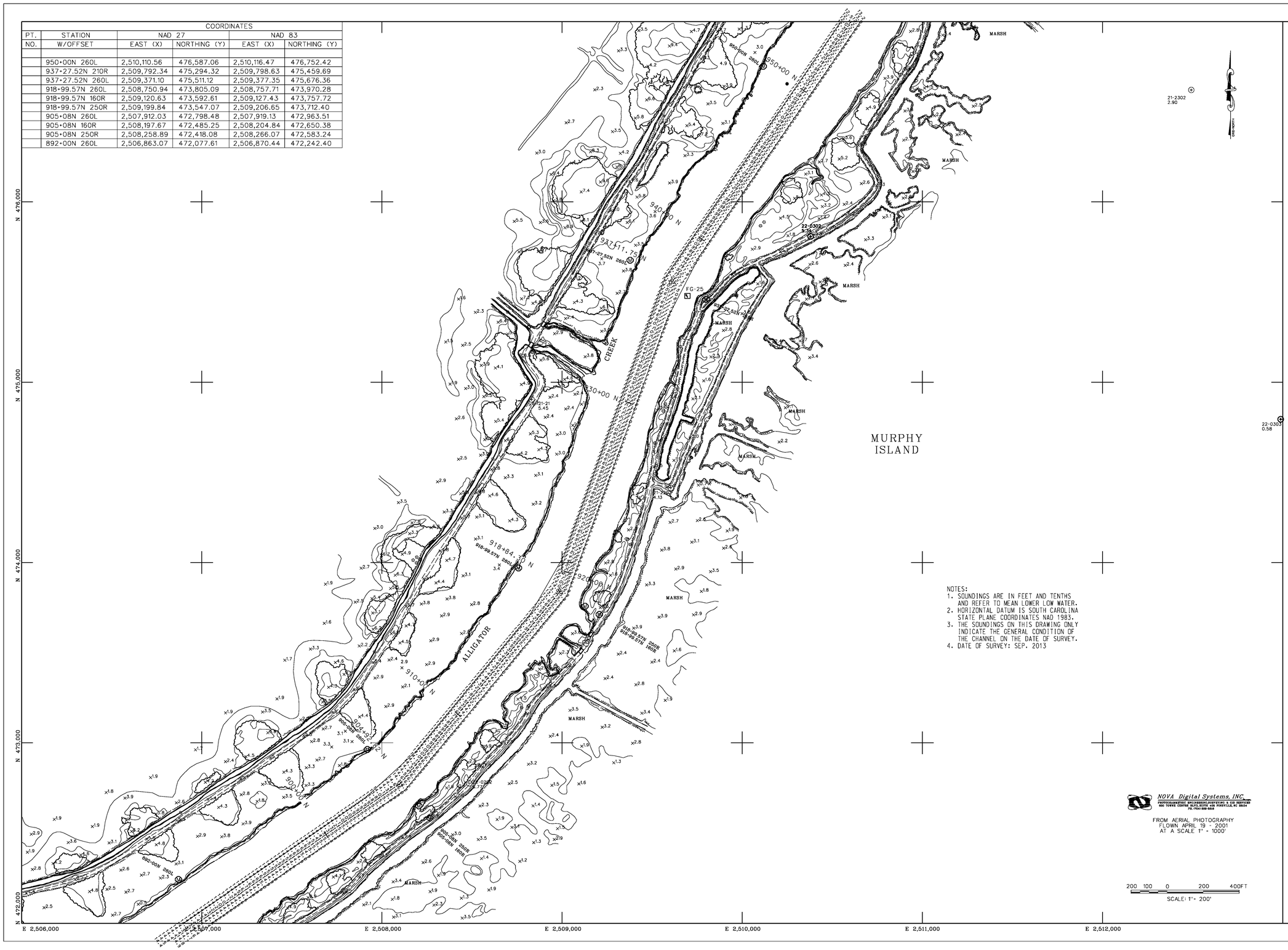
AIWW, WINYAH BAY TO CHARLESTON
STA. 954+63N TO STA. 1015+29N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 12 OF 62

WC-S12.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	950+00N 260L	2,510,110.56	476,587.06	2,510,116.47	476,752.42
	937+27.52N 210R	2,509,792.34	475,294.32	2,509,798.63	475,459.69
	937+27.52N 260L	2,509,371.10	475,511.12	2,509,377.35	475,676.36
	918+99.57N 260L	2,508,750.94	473,805.09	2,508,757.71	473,970.28
	918+99.57N 160R	2,509,120.63	473,592.61	2,509,127.43	473,757.72
	918+99.57N 250R	2,509,199.84	473,547.07	2,509,206.65	473,712.40
	905+08N 260L	2,507,912.03	472,798.48	2,507,919.13	472,963.51
	905+08N 160R	2,508,197.67	472,485.25	2,508,204.84	472,650.38
	905+08N 250R	2,508,258.89	472,418.08	2,508,266.07	472,583.24
	892+00N 260L	2,506,863.07	472,077.61	2,506,870.44	472,242.40



NOTES:
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2. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATES NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
600 TOWNE CENTRE BLVD, SUITE 400 PORTVILLE, NC 28134
PH. (704) 889-9859

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" - 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

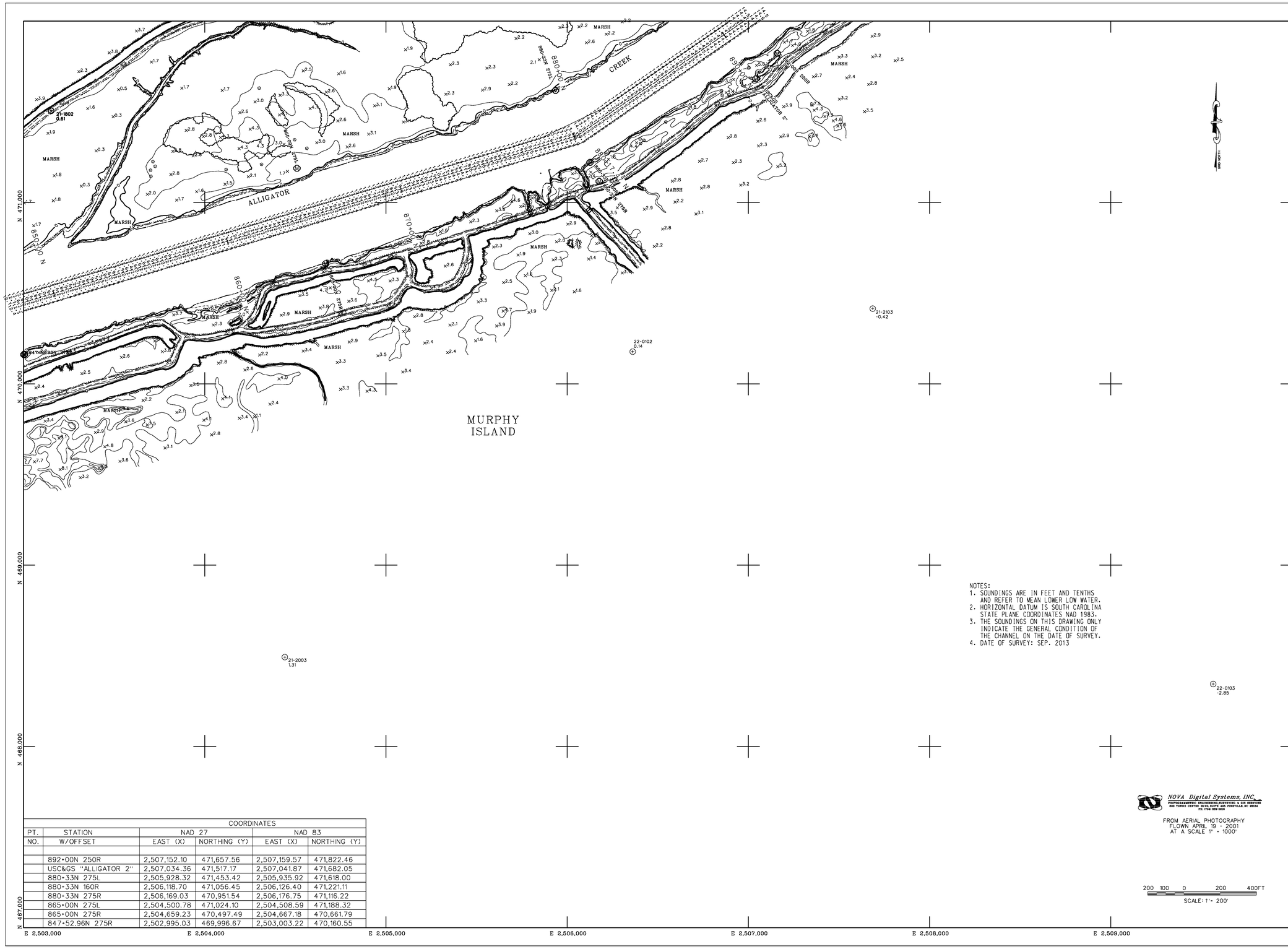
Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

AIWW,WINYAH BAY TO CHARLESTON
STA. 891+34N TO STA. 954+63N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 13 OF 62

WC-S13.DGN



NOTES:
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2. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATES NAD 1983.
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4. DATE OF SURVEY: SEP. 2013

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	892+00N 250R	2,507,152.10	471,657.56	2,507,159.57	471,822.46
	USC&GS "ALLIGATOR 2"	2,507,034.36	471,517.17	2,507,041.87	471,682.05
	880+33N 275L	2,505,928.32	471,453.42	2,505,935.92	471,618.00
	880+33N 160R	2,506,118.70	471,056.45	2,506,126.40	471,221.11
	880+33N 275R	2,506,169.03	470,951.54	2,506,176.75	471,116.22
	865+00N 275L	2,504,500.78	471,024.10	2,504,508.59	471,188.32
	865+00N 275R	2,504,659.23	470,497.49	2,504,667.18	470,661.79
	847+52.96N 275R	2,502,995.03	469,996.67	2,503,003.22	470,160.55

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
400 TYRES CENTER BLVD,SUITE 400 PORTVILLE,NC 28334
PH. (704) 889-5858

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg. scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

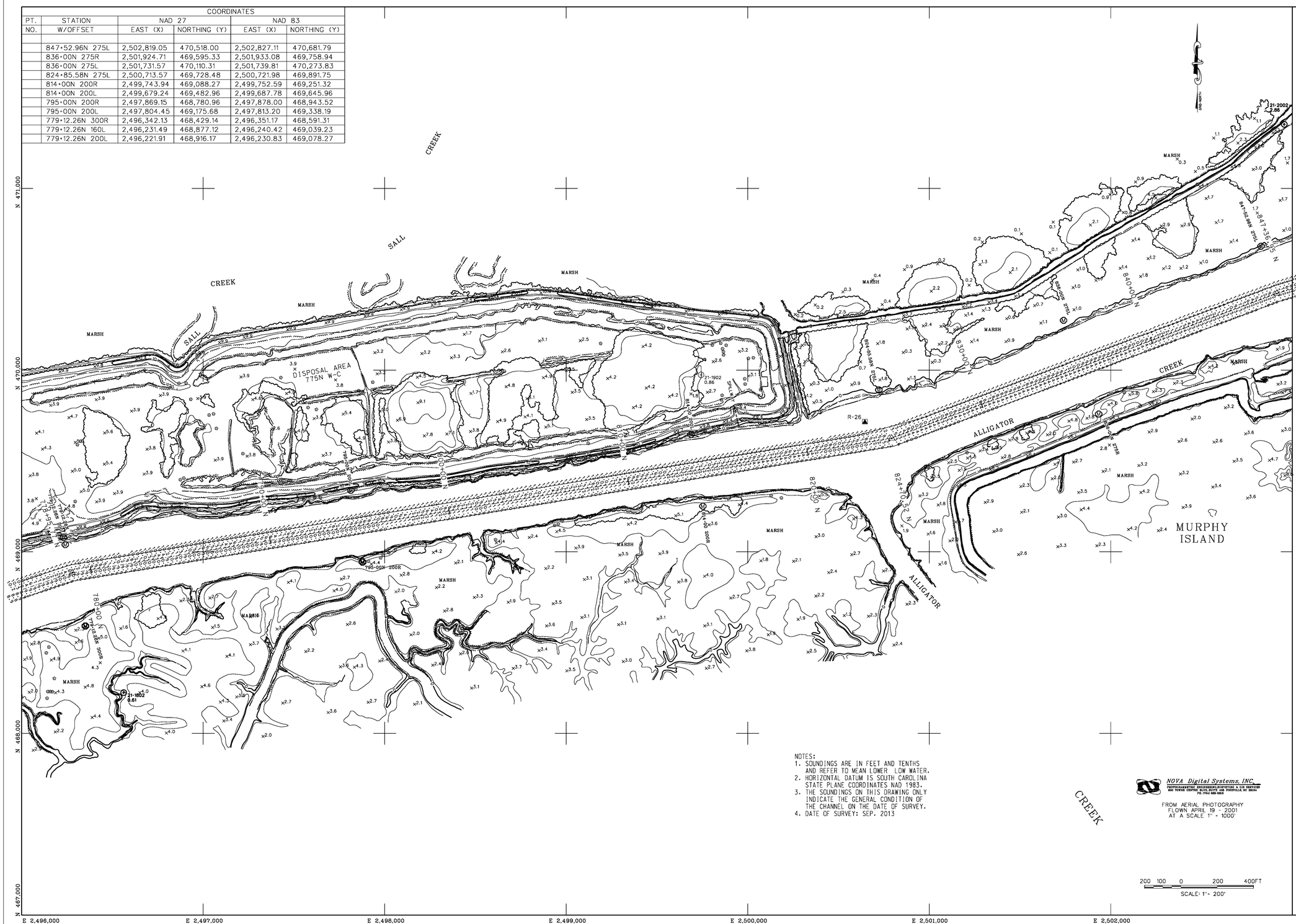
AIWW, WINYAH BAY TO CHARLESTON
STA. 848+26N TO STA. 891+34N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 14 OF 62

WC-514.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	847+52.96N 275L	2,502,819.05	470,518.00	2,502,827.11	470,681.79
	836+00N 275R	2,501,924.71	469,595.33	2,501,933.08	469,758.94
	836+00N 275L	2,501,731.57	470,110.31	2,501,739.81	470,273.83
	824+85.58N 275L	2,500,713.57	469,728.48	2,500,721.98	469,891.75
	814+00N 200R	2,499,743.94	469,088.27	2,499,752.59	469,251.32
	814+00N 200L	2,499,679.24	469,482.96	2,499,687.78	469,645.96
	795+00N 200R	2,497,869.15	468,780.96	2,497,878.00	468,943.52
	795+00N 200L	2,497,804.45	469,175.68	2,497,813.20	469,338.19
	779+12.26N 300R	2,496,342.13	468,429.14	2,496,351.17	468,591.31
	779+12.26N 160L	2,496,231.49	468,877.12	2,496,240.42	469,039.23
	779+12.26N 200L	2,496,221.91	468,916.17	2,496,230.83	469,078.27



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATES NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD, SUITE 400 FAYETTEVILLE, NC 28314
PH: (704) 889-5818

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" - 1000'

200 100 0 200 400FT
SCALE: 1"- 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

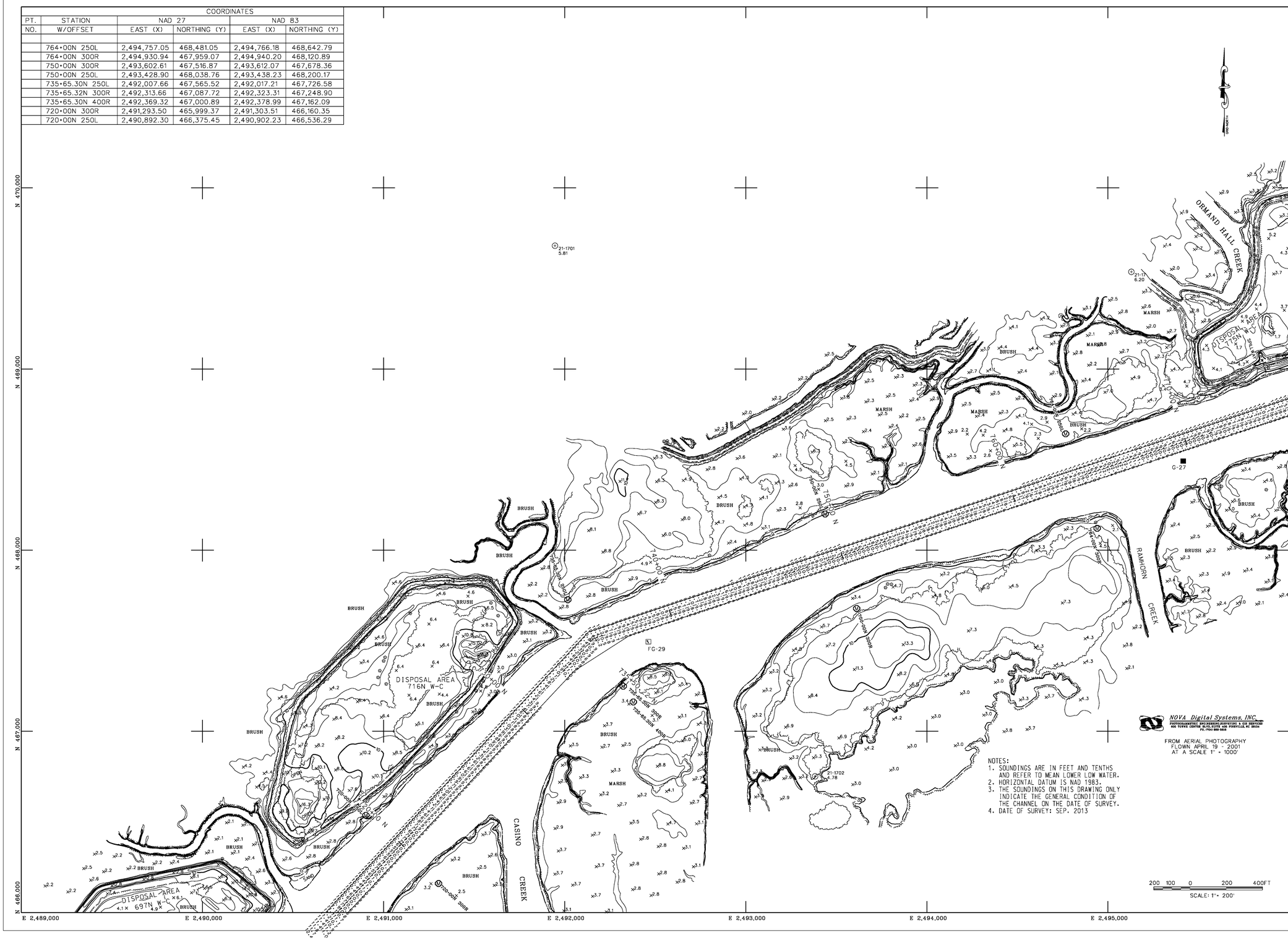
AIWW, WINYAH BAY TO CHARLESTON
STA. 776+02N TO STA. 848+26N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 15 OF 62

WC-S15.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	764+00N 250L	2,494,757.05	468,481.05	2,494,766.18	468,642.79
	764+00N 300R	2,494,930.94	467,959.07	2,494,940.20	468,120.89
	750+00N 300R	2,493,602.61	467,516.87	2,493,612.07	467,678.36
	750+00N 250L	2,493,428.90	468,038.76	2,493,438.23	468,200.17
	735+65.30N 250L	2,492,007.66	467,565.52	2,492,017.21	467,726.58
	735+65.32N 300R	2,492,313.66	467,087.72	2,492,323.31	467,248.90
	735+65.30N 400R	2,492,369.32	467,000.89	2,492,378.99	467,162.09
	720+00N 300R	2,491,293.50	465,999.37	2,491,303.51	466,160.35
	720+00N 250L	2,490,892.30	466,375.45	2,490,902.23	466,536.29



NOTES:
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4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
600 TOWER CENTRE BLVD, SUITE 400 FAYETTEVILLE, NC 28314
PH. (704) 889-8616

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

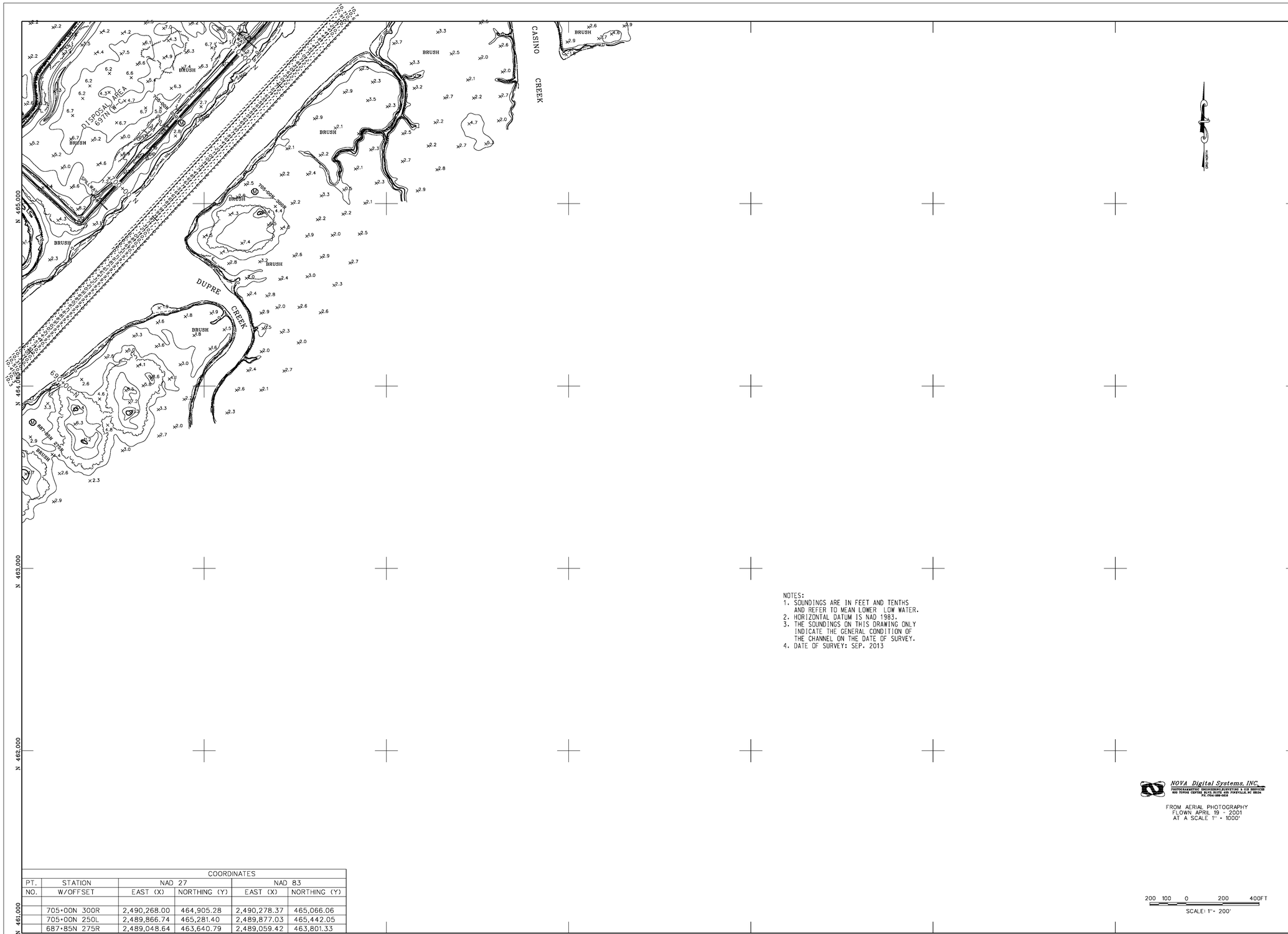
Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 714+82 TO STA. 776+02N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 16 OF 62

WC-S16.DGN



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COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	705+00N 300R	2,490,268.00	464,905.28	2,490,278.37	465,066.06
	705+00N 250L	2,489,866.74	465,281.40	2,489,877.03	465,442.05
	687+85N 275R	2,489,048.64	463,640.79	2,489,059.42	463,801.33

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
600 TOWNE CENTRE BLVD, SUITE 400 PORTVILLE, NC 28024
PH.:704/482-0616

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" - 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION

Designed by:
Drawn by: MRV
Checked by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Coords:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

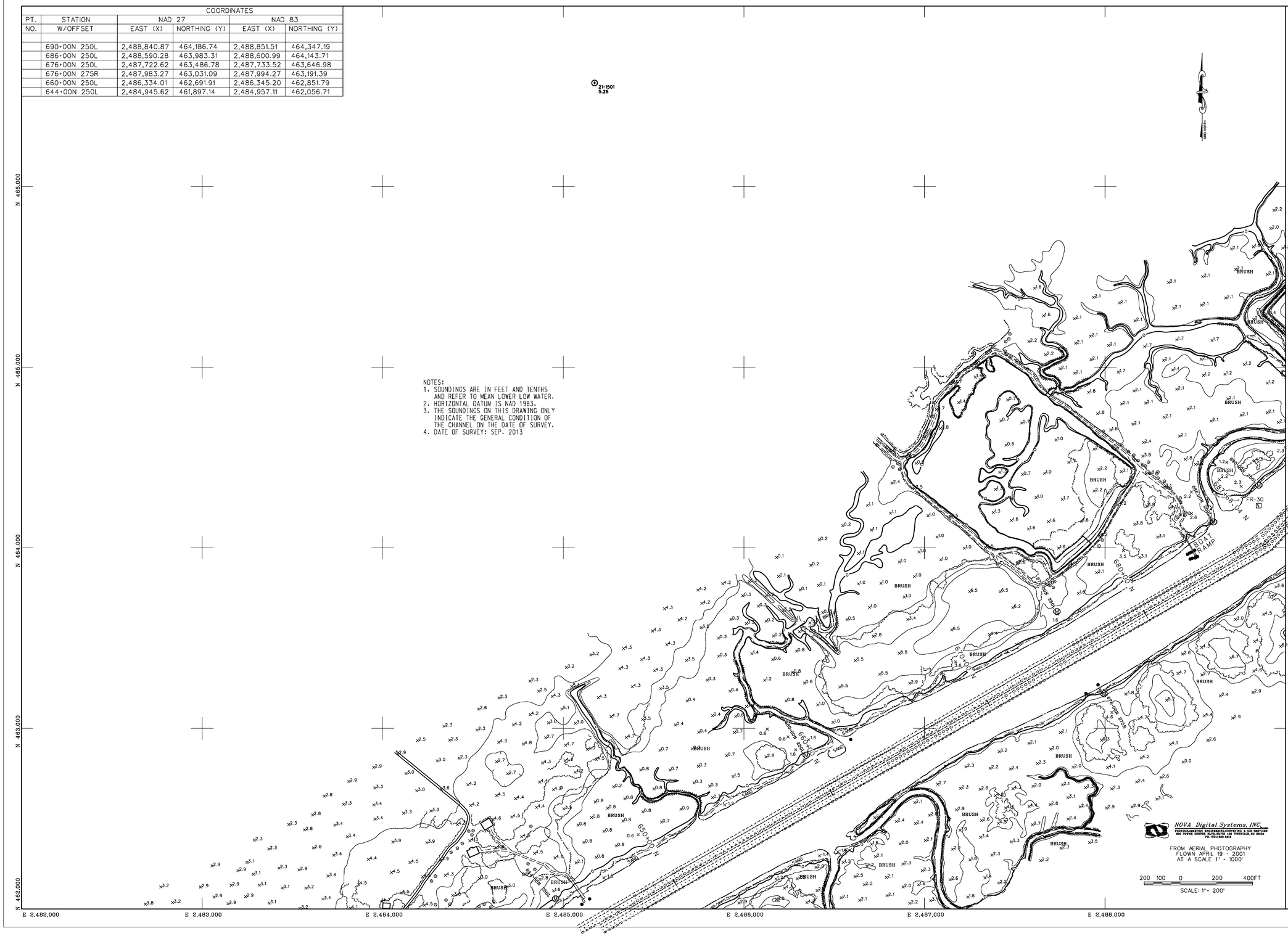
AIWW, WINYAH BAY TO CHARLESTON
STA. 689+33N TO STA. 714+82N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 17 OF 62

WC-S17.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	690+00N 250L	2,488,840.87	464,186.74	2,488,851.51	464,347.19
	686+00N 250L	2,488,590.28	463,983.31	2,488,600.99	464,143.71
	676+00N 250L	2,487,722.62	463,486.78	2,487,733.52	463,646.98
	676+00N 275R	2,487,983.27	463,031.09	2,487,994.27	463,191.39
	660+00N 250L	2,486,334.01	462,691.91	2,486,345.20	462,851.79
	644+00N 250L	2,484,945.62	461,897.14	2,484,957.11	462,056.71

NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013



US Army Corps of Engineers
Charleston District

MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION

Designed by:
Drawn by: MRV
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Dwgs file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

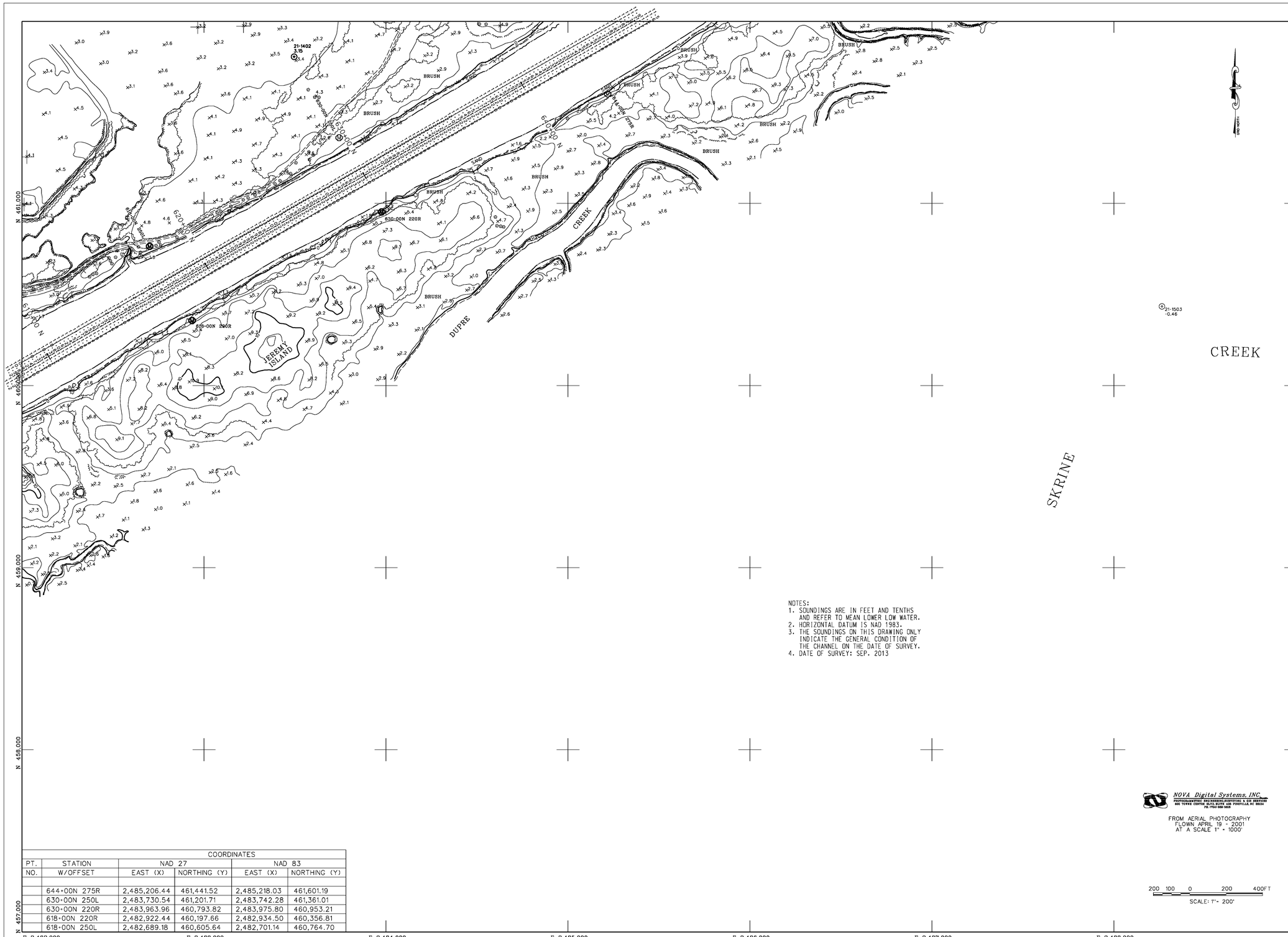
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 647+05N TO STA. 689+33N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 18 OF 62

WC-S18.DGN



NOTES:
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4. DATE OF SURVEY: SEP. 2013

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	644+00N 275R	2,485,206.44	461,441.52	2,485,218.03	461,601.19
	630+00N 250L	2,483,730.54	461,201.71	2,483,742.28	461,361.01
	630+00N 220R	2,483,963.96	460,793.82	2,483,975.80	460,953.21
	618+00N 220R	2,482,922.44	460,197.66	2,482,934.50	460,356.81
	618+00N 250L	2,482,689.18	460,605.64	2,482,701.14	460,764.70

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING, SURVEYING & GIS SERVICES
600 TOWER CENTRE BLVD, SUITE 400 FAYETTEVILLE, NC 28314
PH. (704) 889-9505

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
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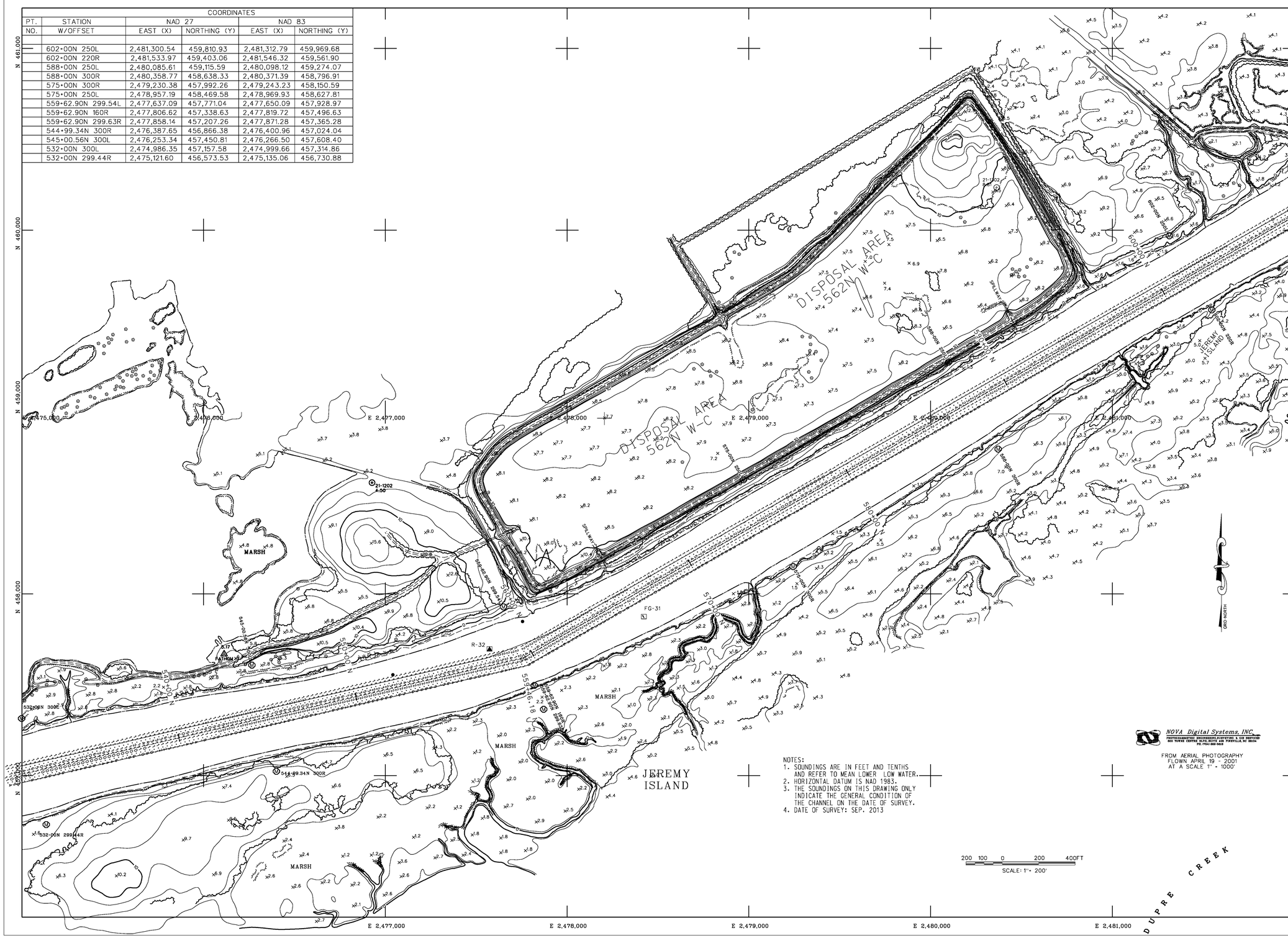
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 608+32N TO STA. 647+05N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 19 OF 23

WC-S19.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
—	602+00N 250L	2,481,300.54	459,810.93	2,481,312.79	459,969.68
	602+00N 220R	2,481,533.97	459,403.06	2,481,546.32	459,561.90
	588+00N 250L	2,480,085.61	459,115.59	2,480,098.12	459,274.07
	588+00N 300R	2,480,358.77	458,638.33	2,480,371.39	458,796.91
	575+00N 300R	2,479,230.38	457,992.26	2,479,243.23	458,150.59
	575+00N 250L	2,478,957.19	458,469.58	2,478,969.93	458,627.81
	559+62.90N 299.54L	2,477,637.09	457,771.04	2,477,650.09	457,928.97
	559+62.90N 160R	2,477,806.62	457,338.63	2,477,819.72	457,496.63
	559+62.90N 299.63R	2,477,858.14	457,207.26	2,477,871.28	457,365.28
	544+99.34N 300R	2,476,387.65	456,866.38	2,476,400.96	457,024.04
	545+00.56N 300L	2,476,253.34	457,450.81	2,476,266.50	457,608.40
	532+00N 300L	2,474,986.35	457,157.58	2,474,999.66	457,314.86
	532+00N 299.44R	2,475,121.60	456,573.53	2,475,135.06	456,730.88



NOTES:
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4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD,SUITE 400 PINEVILLE,NC 28134
PH.:704/889-5600

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

US Army Corps of Engineers
Charleston District

MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION

Date: OCT. 2013
Rev:
Design file no. 9508
Designed by:
Drawn by: MRV
Chkd by:
Drawing Code:
Reviewed by:
Submitted by:
File name:
Plot date:
Dwg scale: 1" = 200'

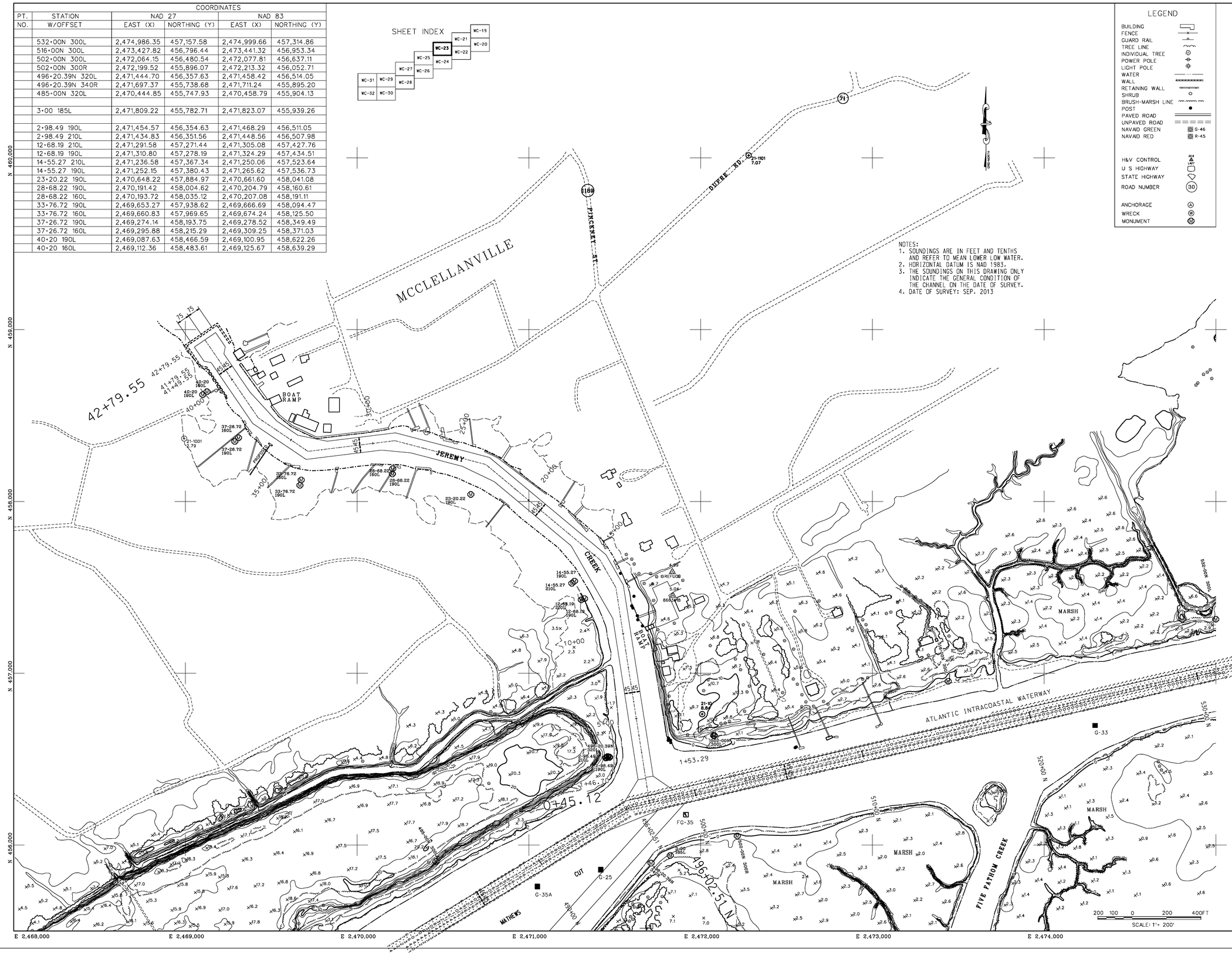
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 531+12N TO STA. 608+32N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 20 OF 62

WC-520.DGN

PT. NO.	STATION W/OFFSET	COORDINATES NAD 27 EAST (X)	NAD 27 NORTHING (Y)	NAD 83 EAST (X)	NAD 83 NORTHING (Y)
	532+00N 300L	2,474,986.35	457,157.58	2,474,999.66	457,314.86
	516+00N 300L	2,473,427.82	456,796.44	2,473,441.32	456,953.34
	502+00N 300L	2,472,064.15	456,480.54	2,472,077.81	456,637.11
	502+00N 300R	2,472,199.52	455,896.07	2,472,213.32	456,052.71
	496+20.39N 320L	2,471,444.70	456,357.63	2,471,458.42	456,514.05
	496+20.39N 340R	2,471,697.37	455,738.68	2,471,711.24	455,895.20
	485+00N 320L	2,470,444.85	455,747.93	2,470,458.79	455,904.13
	3+00 185L	2,471,809.22	455,782.71	2,471,823.07	455,939.26
	2+98.49 190L	2,471,454.57	456,354.63	2,471,468.29	456,511.05
	2+98.49 210L	2,471,434.83	456,351.56	2,471,448.56	456,507.98
	12+68.19 210L	2,471,291.58	457,271.44	2,471,305.08	457,427.76
	12+68.19 190L	2,471,310.80	457,278.19	2,471,324.29	457,434.51
	14+55.27 210L	2,471,236.58	457,367.34	2,471,250.06	457,523.64
	14+55.27 190L	2,471,252.15	457,380.43	2,471,265.62	457,536.73
	23+20.22 190L	2,470,648.22	457,884.97	2,470,661.60	458,041.08
	28+68.22 190L	2,470,191.42	458,004.62	2,470,204.79	458,160.61
	28+68.22 160L	2,470,193.72	458,035.12	2,470,207.08	458,191.11
	33+76.72 190L	2,469,653.27	457,938.62	2,469,666.69	458,094.47
	33+76.72 160L	2,469,660.83	457,969.65	2,469,674.24	458,125.50
	37+26.72 190L	2,469,274.14	458,193.75	2,469,278.52	458,349.49
	37+26.72 160L	2,469,295.88	458,215.29	2,469,309.25	458,371.03
	40+20 190L	2,469,087.63	458,466.59	2,469,100.95	458,622.26
	40+20 160L	2,469,112.36	458,483.61	2,469,125.67	458,639.29



NOTES:
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4. DATE OF SURVEY: SEP. 2013

LEGEND

BUILDING
FENCE
GUARD RAIL
TREE LINE
INDIVIDUAL TREE
POWER POLE
LIGHT POLE
WATER
WALL
RETAINING WALL
SHRUB
BRUSH-MARSH LINE
POST
PAVED ROAD
UNPAVED ROAD
NAVAID GREEN G-46
NAVAID RED R-45

H&V CONTROL 24
U S HIGHWAY 17
STATE HIGHWAY
ROAD NUMBER 30

ANCHORAGE
WRECK
MONUMENT

US Army Corps of Engineers
Charleston District

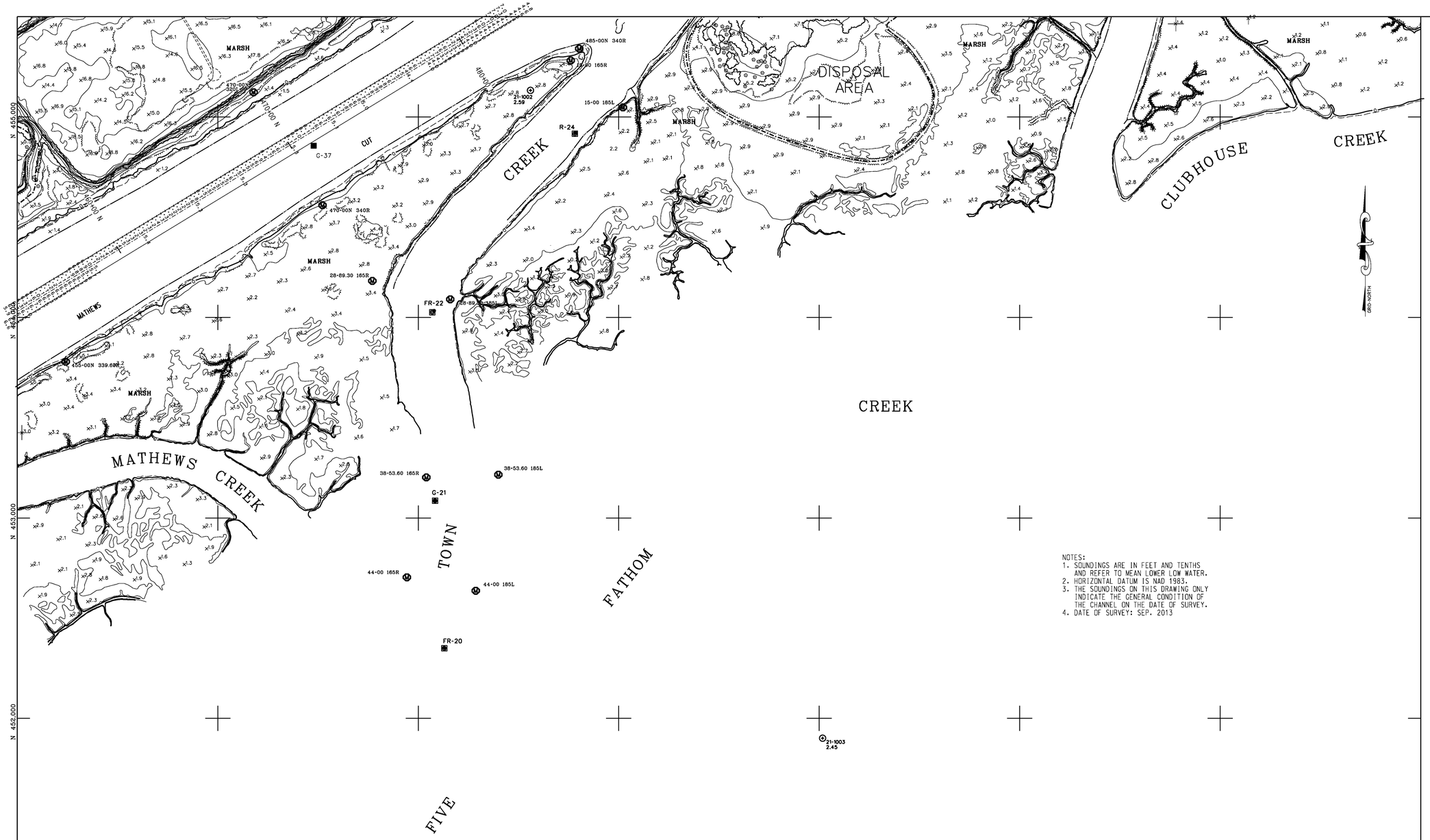
MARK	DESCRIPTION	DATE	APPRD.
No. 1	Issue Block Description 1	Date 1	Apprv. 1
No. 2	Issue Block Description 2	Date 2	Apprv. 2
No. 3	Issue Block Description 3	Date 3	Apprv. 3
No. 4	Issue Block Description 4	Date 4	Apprv. 4
No. 5	Issue Block Description 5	Date 5	Apprv. 5
No. 6	Issue Block Description 6	Date 6	Apprv. 6
No. 7	Issue Block Description 7	Date 7	Apprv. 7
No. 8	Issue Block Description 8	Date 8	Apprv. 8
No. 9	Issue Block Description 9	Date 9	Apprv. 9
No. 10	Issue Block Description 10	Date 10	Apprv. 10
No. 11	Issue Block Description 11	Date 11	Apprv. 11
No. 12	Issue Block Description 12	Date 12	Apprv. 12
No. 13	Issue Block Description 13	Date 13	Apprv. 13
No. 14	Issue Block Description 14	Date 14	Apprv. 14
No. 15	Issue Block Description 15	Date 15	Apprv. 15
No. 16	Issue Block Description 16	Date 16	Apprv. 16

SURVEYED BY:
Drawn by: MRV
Oct by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Design file no. 9508
Drawing Code:
Fly name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

ATLANTIC INTRACOASTAL WATERWAY
STA. 482+-32N TO STA. 531+-12N AIWW
STA. 0+-45 TO STA. 42+-80 JEREMY CREEK
9508
GEORGETOWN AND CHARLESTON COUNTIES

SHEET 21 OF 62



NOTES:
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4. DATE OF SURVEY: SEP. 2013

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	485+00N 340R	2,470,788.46	455,184.46	2,470,802.52	455,340.79
	470+00N 340R	2,469,507.96	454,403.56	2,469,522.30	454,559.61
	470+00N 320L	2,469,164.32	454,987.00	2,469,178.53	455,122.93
	455+00N 339.60R	2,468,226.96	453,622.96	2,468,241.57	453,778.73
	15+00 165R	2,470,746.40	455,125.29	2,470,760.48	455,281.61
	15+00 185L	2,471,006.48	454,891.06	2,471,020.61	455,047.46
	28+89.30 185L	2,470,145.05	453,933.86	2,470,159.47	454,090.10
	28+89.30 165R	2,469,756.30	454,025.76	2,469,770.72	454,181.90
	38+53.60 185L	2,470,384.74	453,059.70	2,470,399.37	453,216.06
	38+53.60 165R	2,470,025.56	453,046.22	2,470,040.21	453,202.49
	44+00 185L	2,470,271.72	452,480.81	2,470,286.51	452,637.18
	44+00 165R	2,469,928.35	452,547.90	2,469,943.14	452,704.18

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING SERVICES & GIS MAPPING
800 TOWER CENTER BOULEVARD, SUITE 200 FAYETTEVILLE, NC 28304
PH. (910) 868-0855

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

MARK	DESCRIPTION	DATE	APPRV.	MARK	DESCRIPTION	DATE	APPRV.

Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot Scale: 1" = 200'
Designed by:
Drawn by: MRV
Checked by:
Reviewed by:
Submitted by:

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 454+08N TO STA. 482+32N
9508
GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 22 OF 62

WC-522.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	455+00N 370L	2,467,857.58	454,228.73	2,467,872.05	454,384.37
	440+00N 340R	2,466,946.74	452,841.63	2,466,961.62	452,997.13
	440+00N 370L	2,466,577.17	453,447.82	2,466,591.91	453,603.18
	420+00N 320L	2,464,895.66	452,364.05	2,464,910.77	452,519.06

NOTES:
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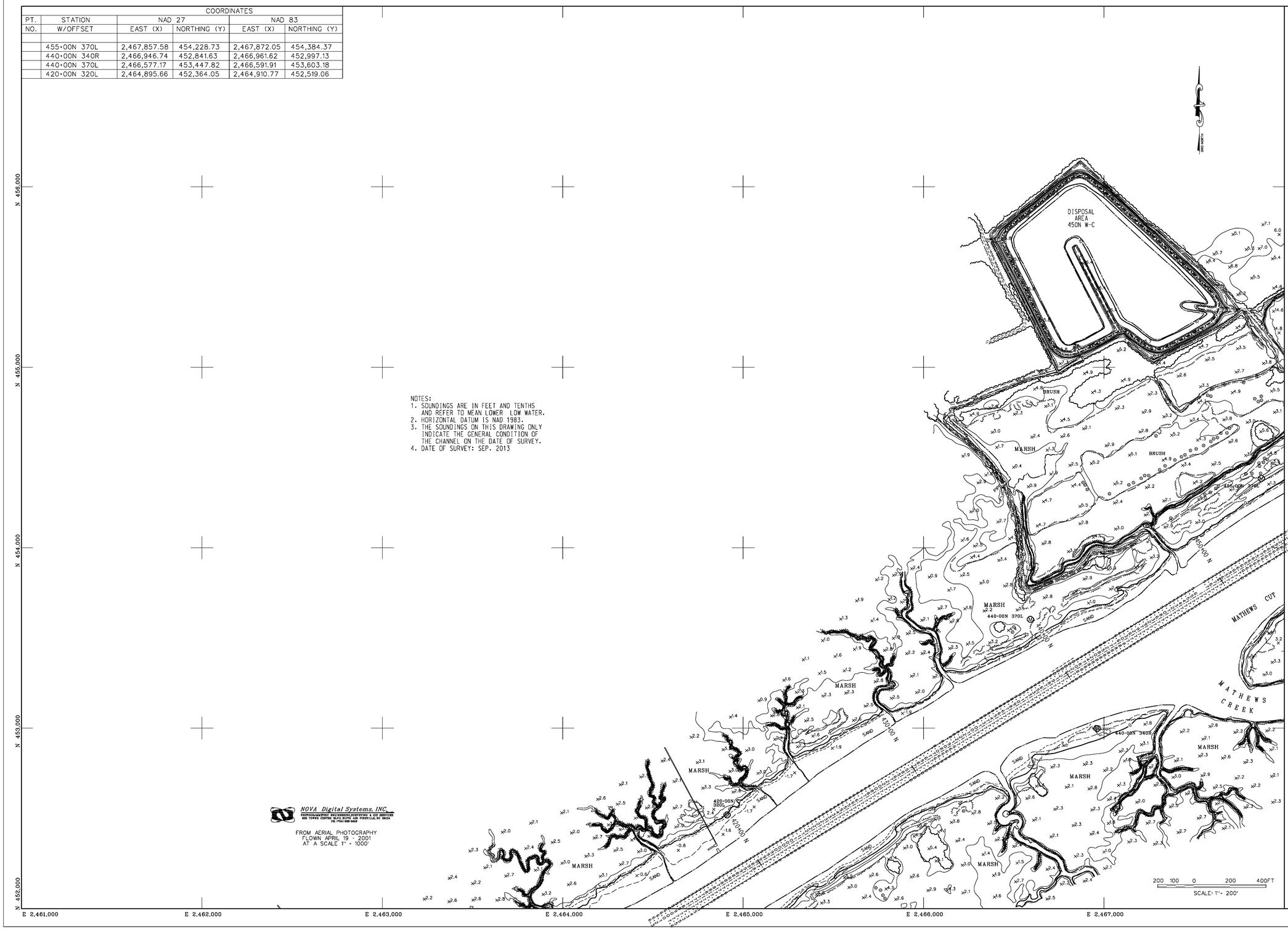


NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,MAPPING & GIS SERVICES
600 TOWER CENTRE BLVD.,SUITE 406 FAYETTEVILLE,NC 28304
PH: 910/867-0050

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

US Army Corps of Engineers
Charleston District

MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION

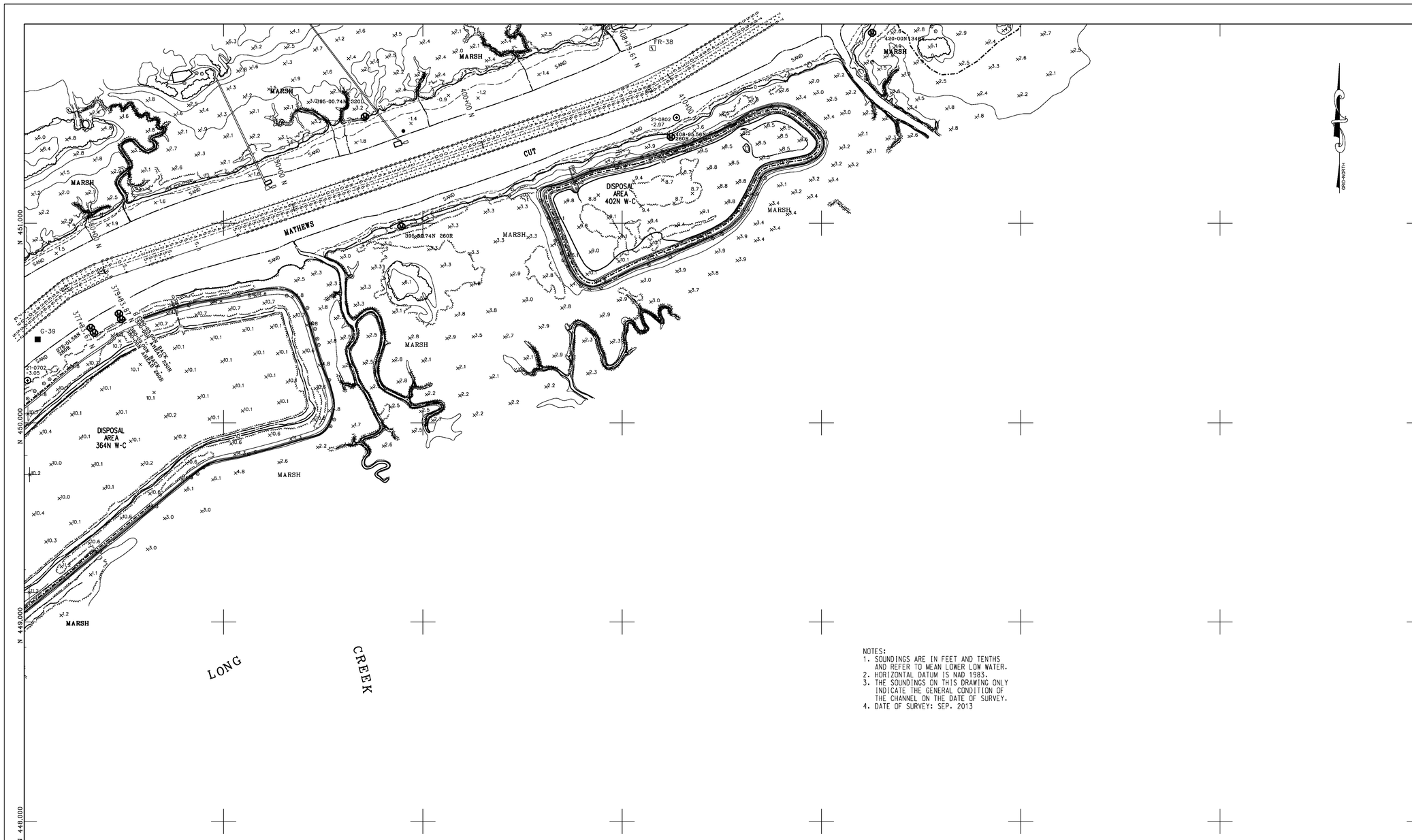
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

Designed by:
Drawn by: MRV
Checked by:
Released by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no: 9508
Drawing Code:
File name: WC-523.DGN
Dwg scale: 1" = 200'

AIWW: WINYAH BAY TO CHARLESTON
STA. 415+12N TO STA. 454+08N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 23 OF 62

WC-523.DGN



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PT. NO.	STATION W/OFFSET	COORDINATES NAD 27 EAST (X)	NAD 27 NORTHING (Y)	NAD 83 EAST (X)	NAD 83 NORTHING (Y)
	420+00N 340R	2,465,239.08	451,800.53	2,465,254.32	451,955.66
	408+95.56N 260R	2,464,229.24	451,278.48	2,464,244.66	451,433.39
	395+00.74N 260R	2,462,876.58	450,830.26	2,462,892.19	450,984.85
	395+00.74N 320L	2,462,694.22	451,380.79	2,462,709.70	451,535.30
	380+03.00N BACK = 380+00N AHEAD 230R	2,461,459.09	450,392.31	2,461,474.89	450,546.57
	380+03.00N BACK = 380+00N AHEAD 260R	2,461,470.65	450,364.58	2,461,486.46	450,518.85
	378+01.58N 230R	2,461,317.74	450,321.58	2,461,333.57	450,475.81
	378+01.58N 260R	2,461,334.26	450,296.24	2,461,350.09	450,450.48

NOVA Digital Systems, INC.
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US Army Corps of Engineers
Charleston District

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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

Designed by:
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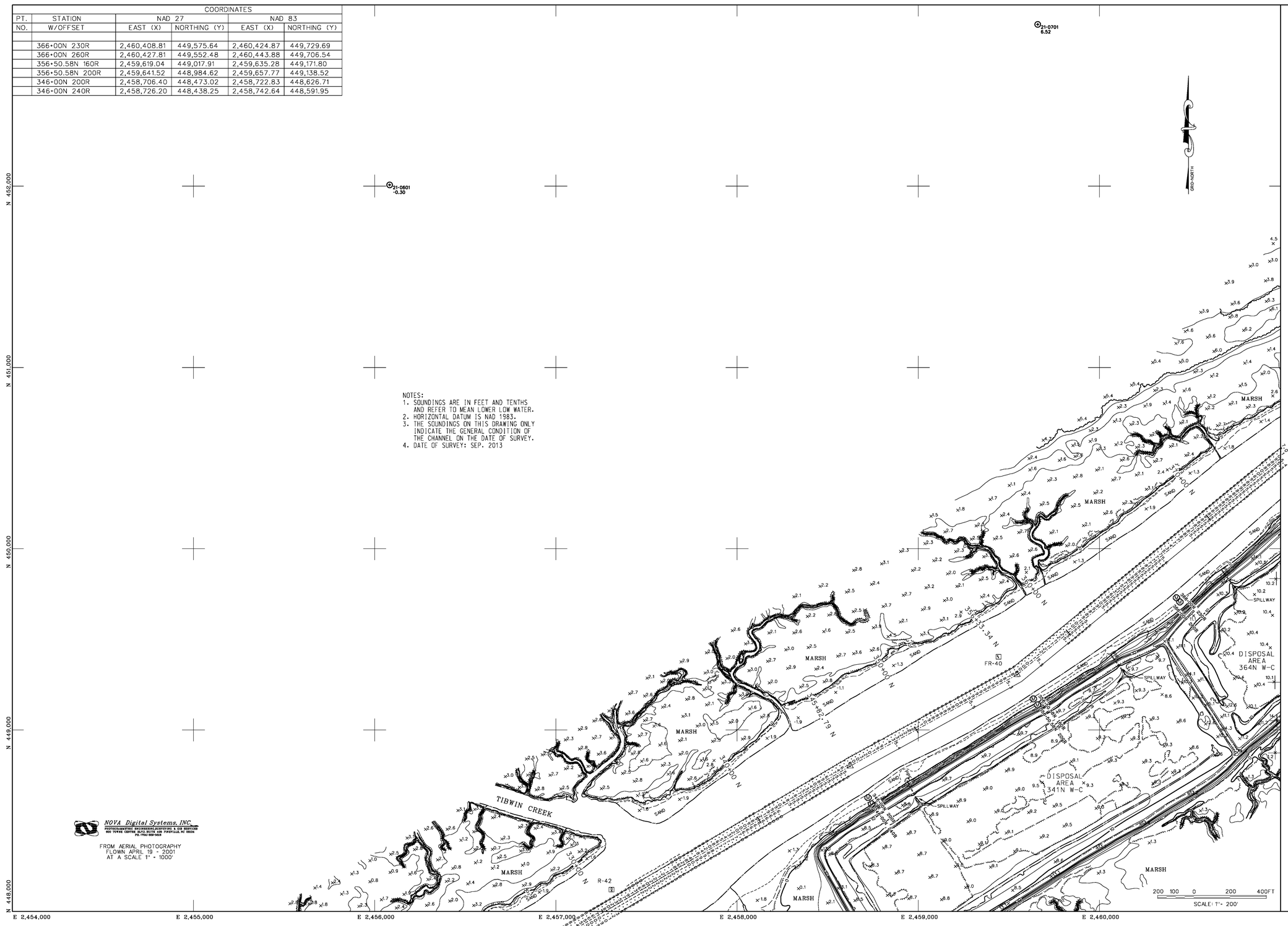
AIWW, WINYAH BAY TO CHARLESTON
STA.375+16N TO 415+12N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 24 OF 62

WC-S24.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	366+00N 230R	2,460,408.81	449,575.64	2,460,424.87	449,729.69
	366+00N 260R	2,460,427.81	449,552.48	2,460,443.88	449,706.54
	356+50.58N 160R	2,459,619.04	449,017.91	2,459,635.28	449,171.80
	356+50.58N 200R	2,459,641.52	448,984.62	2,459,657.77	449,138.52
	346+00N 200R	2,458,706.40	448,473.02	2,458,722.83	448,626.71
	346+00N 240R	2,458,726.20	448,438.25	2,458,742.64	448,591.95



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FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Reviewed by:
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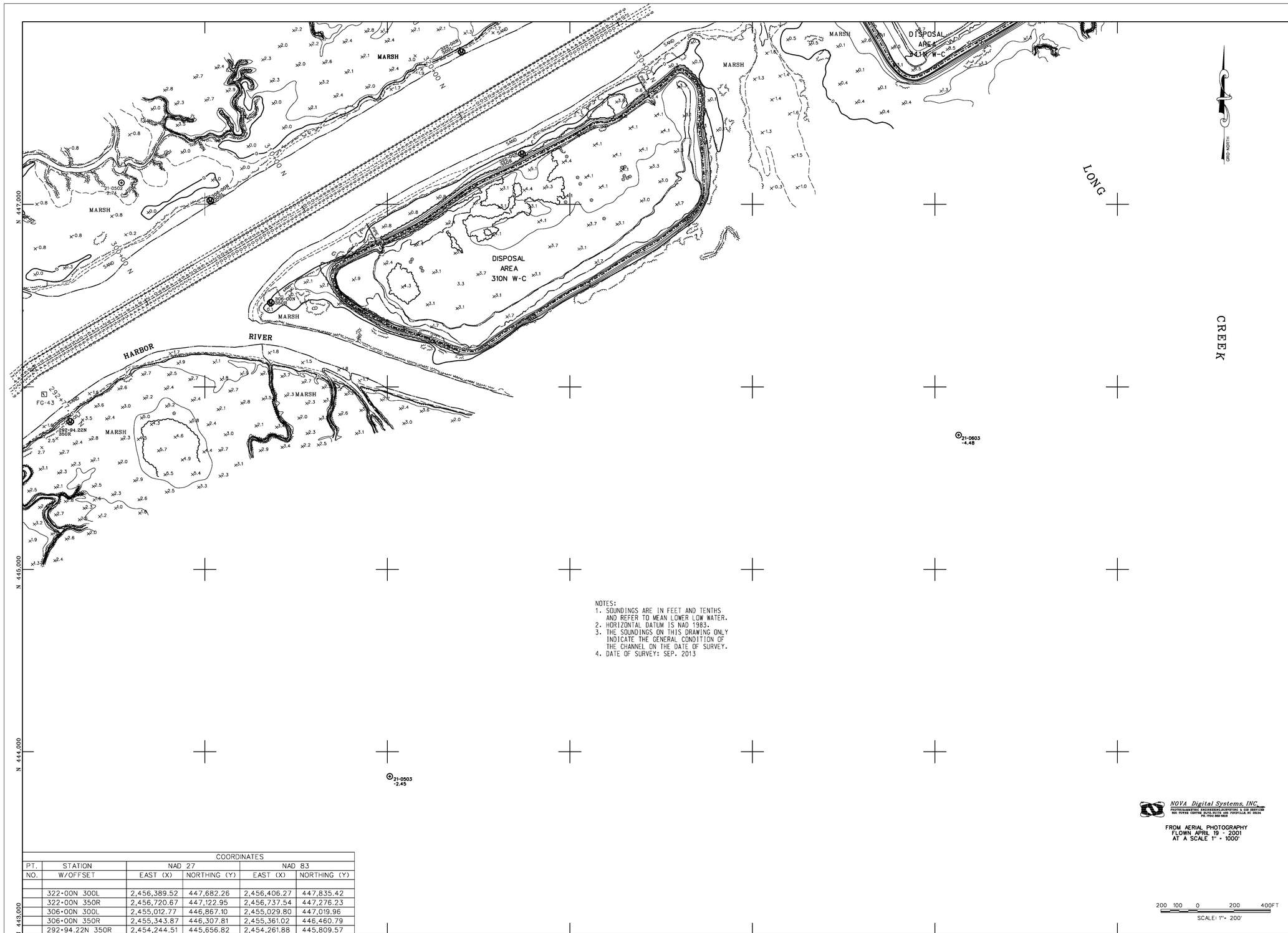
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AWW, WINYAH BAY TO CHARLESTON
STA. 330+12N TO STA. 375+16N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 25 OF 62

WC-S25.DGN



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	322+00N 300L	2,456,389.52	447,682.26	2,456,406.27	447,835.42
	322+00N 350R	2,456,720.67	447,122.95	2,456,737.54	447,276.23
	306+00N 300L	2,455,012.77	446,867.10	2,455,029.80	447,019.96
	306+00N 350R	2,455,343.87	446,307.81	2,455,361.02	446,460.79
	292+94.22N 350R	2,454,244.51	445,656.82	2,454,261.88	445,809.57

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD,SUITE 400 FAYETTEVILLE, NC 28334
PH: (704) 868-0818

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 292+00N TO STA. 330+12N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 26 OF 62

WC-S26.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	292+94.22N 400L	2,453,811.06	446,271.75	2,453,828.30	446,424.35
	292+94.22N 450L	2,453,782.16	446,312.75	2,453,799.39	446,465.34
	282+00N 350R	2,453,424.32	444,975.02	2,453,441.90	445,127.60
	282+00N 450L	2,452,912.96	445,590.19	2,452,930.41	445,742.61
	272+45.93N BACK = 272+65.28N AHEAD 400R	2,452,690.36	444,299.86	2,452,708.14	444,452.30
	272+45.93N BACK = 272+65.28N AHEAD 450L	2,452,247.34	445,036.87	2,452,264.96	445,189.16
	263+50N 450L	2,451,482.29	444,723.29	2,451,500.03	444,875.40
	263+50N 400R	2,451,804.56	443,936.80	2,451,822.48	444,089.04
	249+18.95N 450L	2,450,104.44	444,158.53	2,450,122.39	444,310.34

NOTES:
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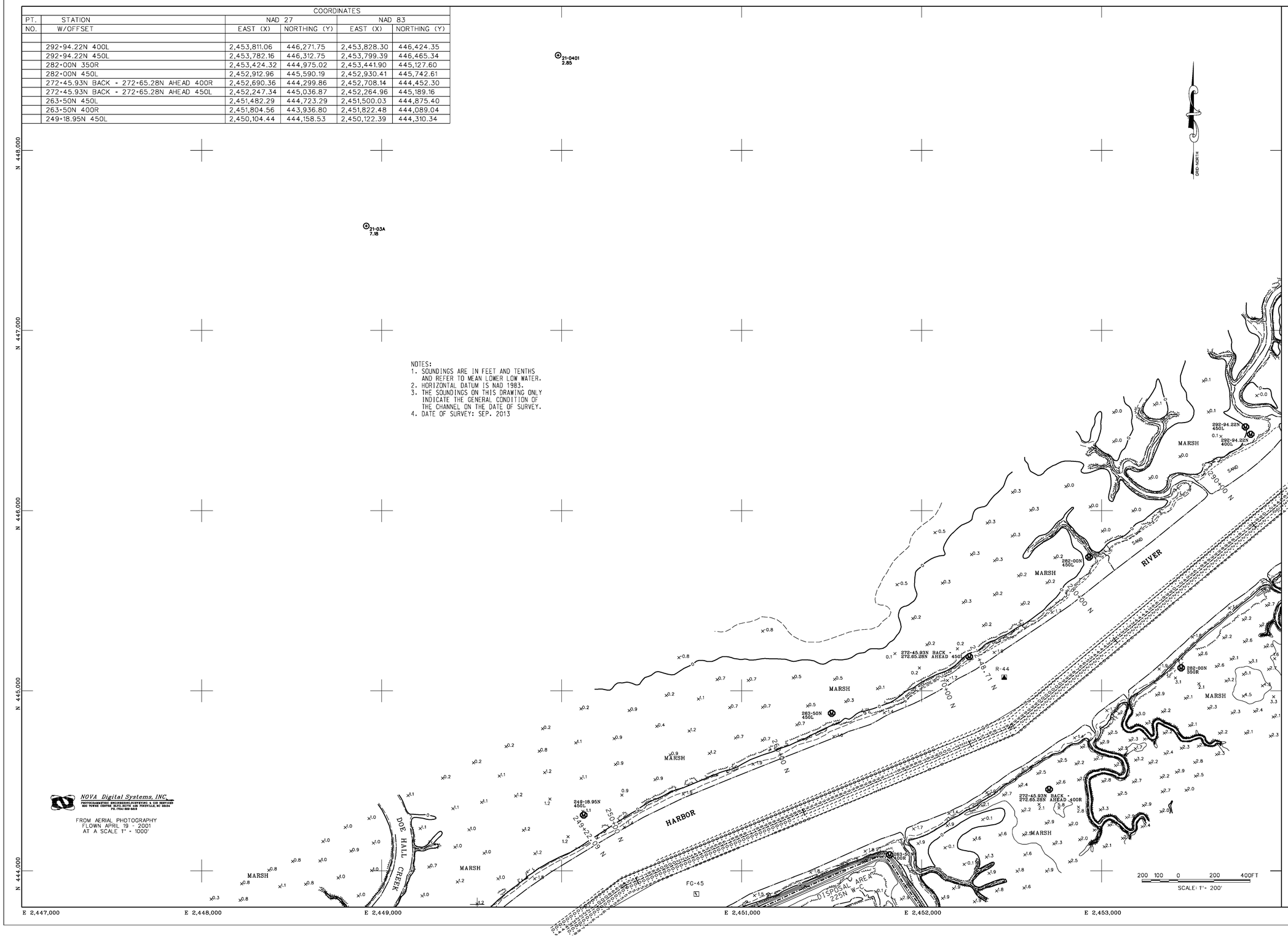
4. DATE OF SURVEY: SEP. 2013



NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD SUITE 400 FORESTVILLE, NC 28036
PH. (704) 889-9600

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

US Army Corps of Engineers
Charleston District

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

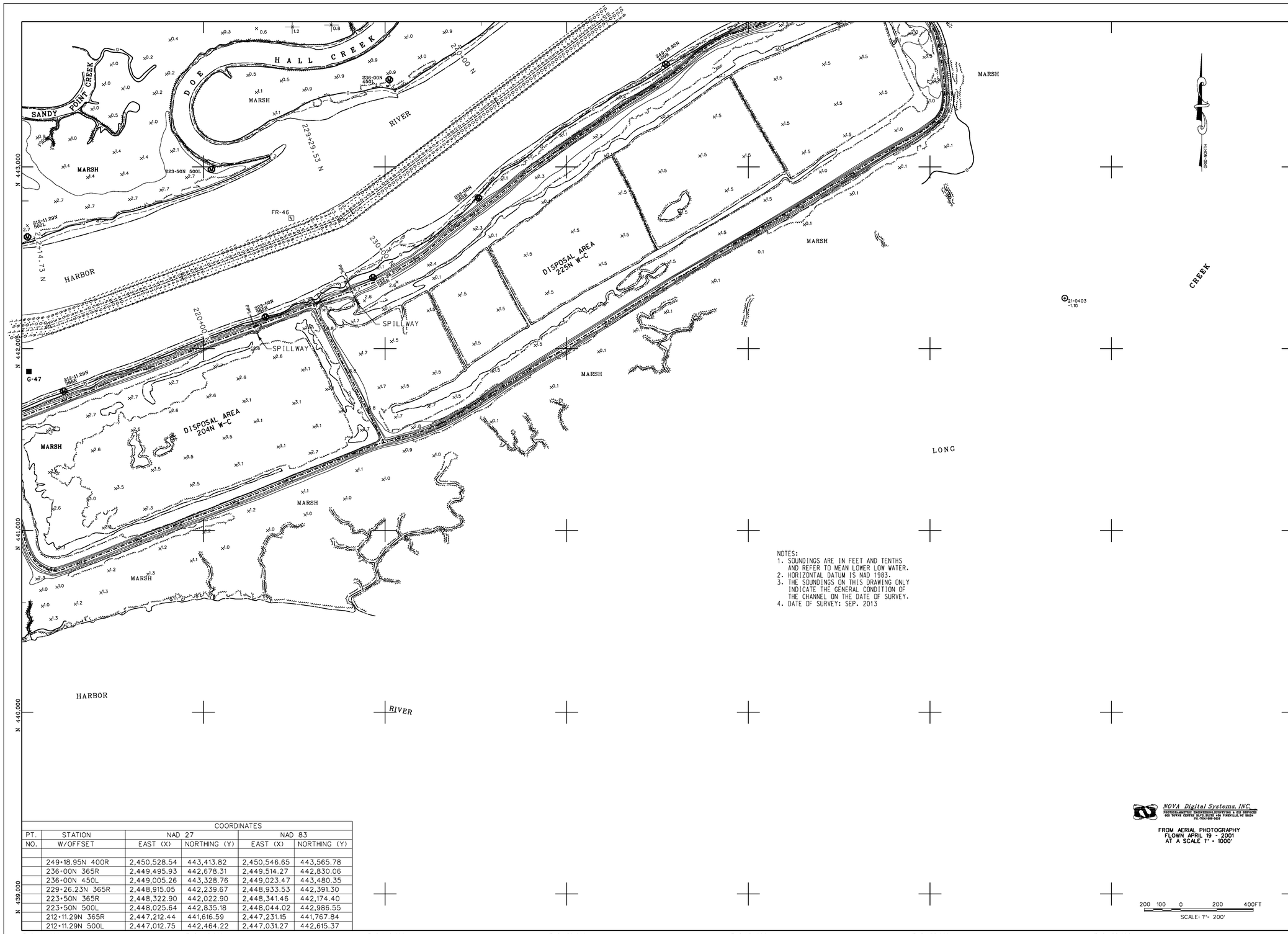
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

Designed by:
Date: OCT. 2013
Rev.
Drawn by: MRV
Det by:
Design file no. 9508
Reviewed by:
Drawing Code:
Submitted by:
File name:
Plot date:
Dwg. Scale: 1" = 200'

AIWW, WINYAH BAY TO CHARLESTON
STA. 247+29N TO STA. 292+00N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 27 OF 62

WC-527.DGN



NOTES:
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2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

		COORDINATES			
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	249+18.95N 400R	2,450,528.54	443,413.82	2,450,546.65	443,565.78
	236+00N 365R	2,449,495.93	442,678.31	2,449,514.27	442,830.06
	236+00N 450L	2,449,005.26	443,328.76	2,449,023.47	443,480.35
	229+26.23N 365R	2,448,915.05	442,239.67	2,448,933.53	442,391.30
	223+50N 365R	2,448,322.90	442,022.90	2,448,341.46	442,174.40
	223+50N 500L	2,448,025.64	442,835.18	2,448,044.02	442,986.55
	212+11.29N 365R	2,447,212.44	441,616.59	2,447,231.15	441,767.84
	212+11.29N 500L	2,447,012.75	442,464.22	2,447,031.27	442,615.37

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
600 TOWNE CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-5818

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

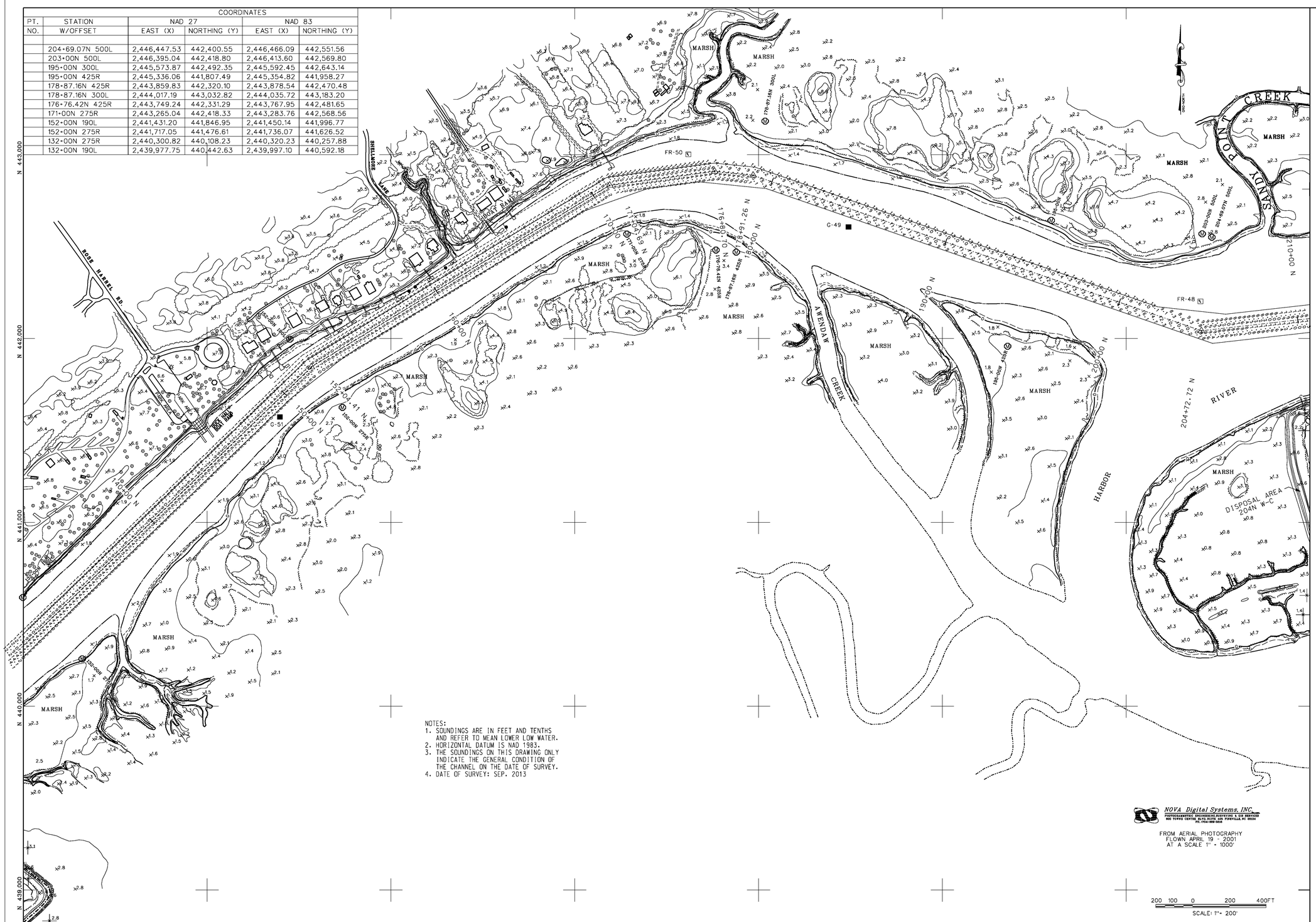
AIWW, WINYAH BAY TO CHARLESTON
STA. 210+67N TO STA. 247+29N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 28 OF 62

WC-S28.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	204+69.07N 500L	2,446,447.53	442,400.55	2,446,466.09	442,551.56
	203+00N 500L	2,446,395.04	442,418.80	2,446,413.60	442,569.80
	195+00N 300L	2,445,573.87	442,492.35	2,445,592.45	442,643.14
	195+00N 425R	2,445,336.06	441,807.49	2,445,354.82	441,958.27
	178+87.16N 425R	2,443,859.83	442,320.10	2,443,878.54	442,470.48
	178+87.16N 300L	2,444,017.19	443,032.82	2,444,035.72	443,183.20
	176+76.42N 425R	2,443,749.24	442,331.29	2,443,767.95	442,481.65
	171+00N 275R	2,443,265.04	442,418.33	2,443,283.76	442,568.56
	152+00N 190L	2,441,431.20	441,846.95	2,441,450.14	441,996.77
	152+00N 275R	2,441,717.05	441,476.61	2,441,736.07	441,626.52
	132+00N 275R	2,440,300.82	440,108.23	2,440,320.23	440,257.88
	132+00N 190L	2,439,977.75	440,442.63	2,439,997.10	440,592.18



NOTES:
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4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING SURVEYING & GIS SERVICES
600 TOWNE CENTRE BLVD, SUITE 400 FINEVILLE, NC 28134
PH. (704) 888-6818

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Checked by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 130+25N TO STA. 210+67N
9508
GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 29 OF 62

WC-S29.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	132+00N 190L	2,439,977.75	440,442.63	2,439,997.10	440,592.18
	115+00N 300L	2,438,678.81	439,340.54	2,438,698.48	439,489.85
	115+00N 275R	2,439,078.31	438,927.07	2,439,098.06	439,076.50
	100+00N 275R	2,437,999.73	437,884.77	2,438,019.78	438,034.00
	100+00N 300L	2,437,600.18	438,298.25	2,437,620.15	438,447.36
	85+00N 300L	2,436,521.57	437,256.04	2,436,541.84	437,404.95

NOTES:
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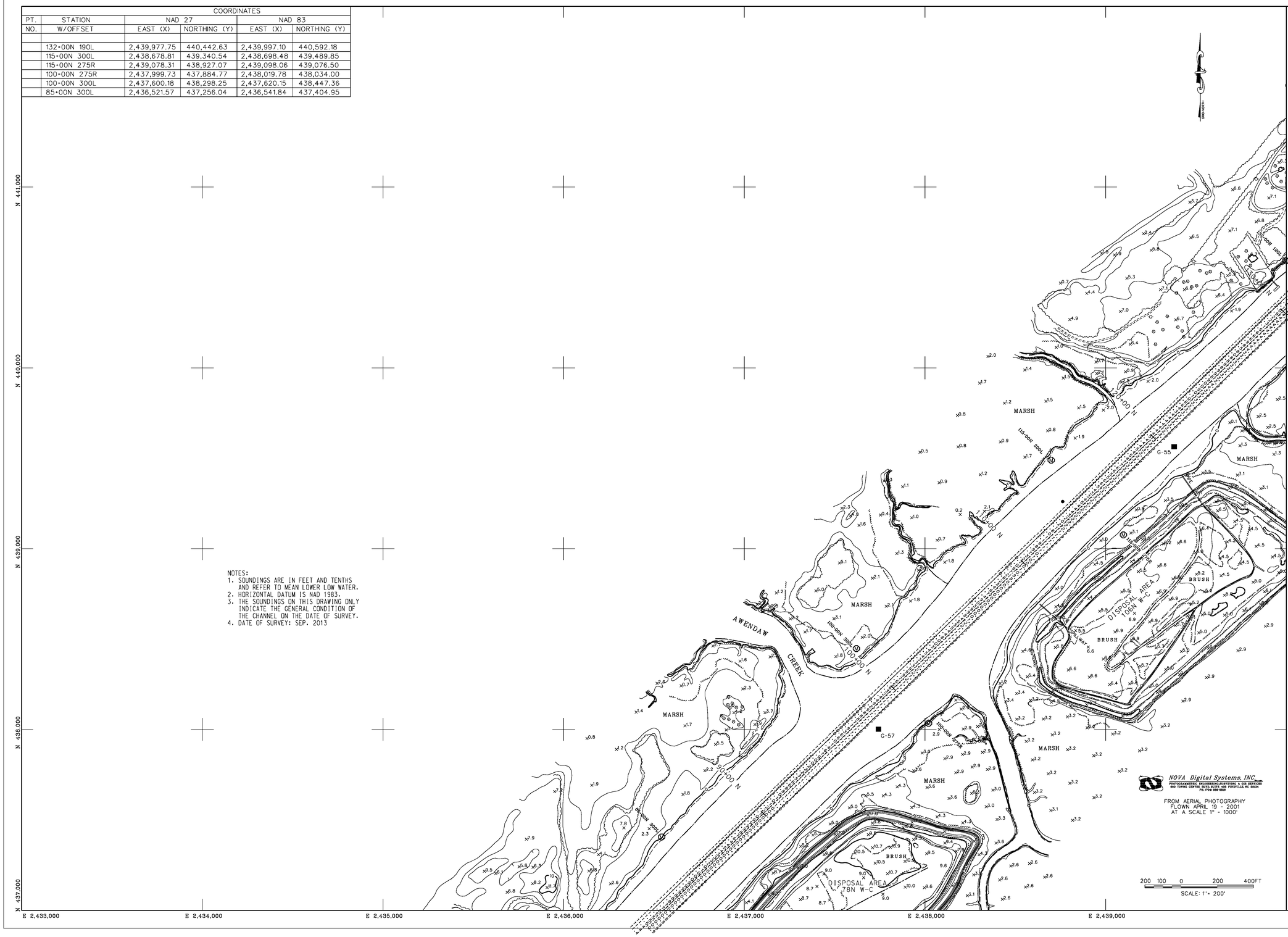
4. DATE OF SURVEY: SEP. 2013



US Army Corps of Engineers
Charleston District

MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION

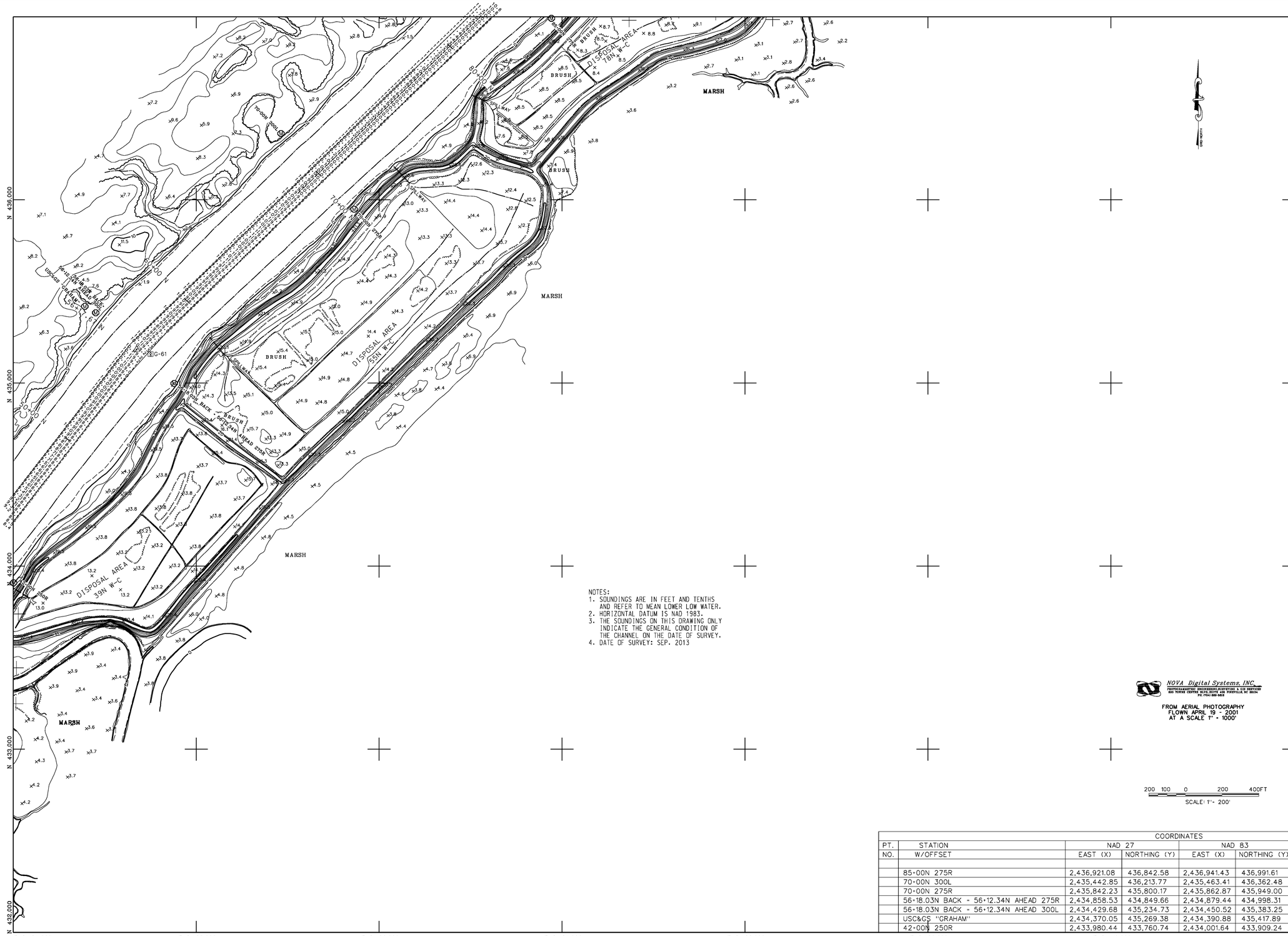
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

Designed by:
Drawn by: MRV
Det by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg Scale: 1" = 200'

AIWW, WINYAH BAY TO CHARLESTON
STA. 82+33N TO STA. 130+25N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 30 OF 62

WC-530.DGN



NOTES:
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3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
800 TOWER CENTRE BLVD, SUITE 400 FAYETTEVILLE, NC 28314
PH. (704) 886-5818

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	85+00N 275R	2,436,921.08	436,842.58	2,436,941.43	436,991.61
	70+00N 300L	2,435,442.85	436,213.77	2,435,463.41	436,362.48
	70+00N 275R	2,435,842.23	435,800.17	2,435,862.87	435,949.00
	56+18.03N BACK - 56+12.34N AHEAD 275R	2,434,858.53	434,849.66	2,434,879.44	434,998.31
	56+18.03N BACK - 56+12.34N AHEAD 300L	2,434,429.68	435,234.73	2,434,450.52	435,383.25
	USC&GS "GRAHAM"	2,434,370.05	435,269.38	2,434,390.88	435,417.89
	42+00N 250R	2,433,980.44	433,760.74	2,434,001.64	433,909.24

US Army Corps of Engineers
Charleston District

MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION

Designed by:
Drawn by: MRV
Det by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no: 9508
Drawing Code:
File name:
Plot date:
Plot scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

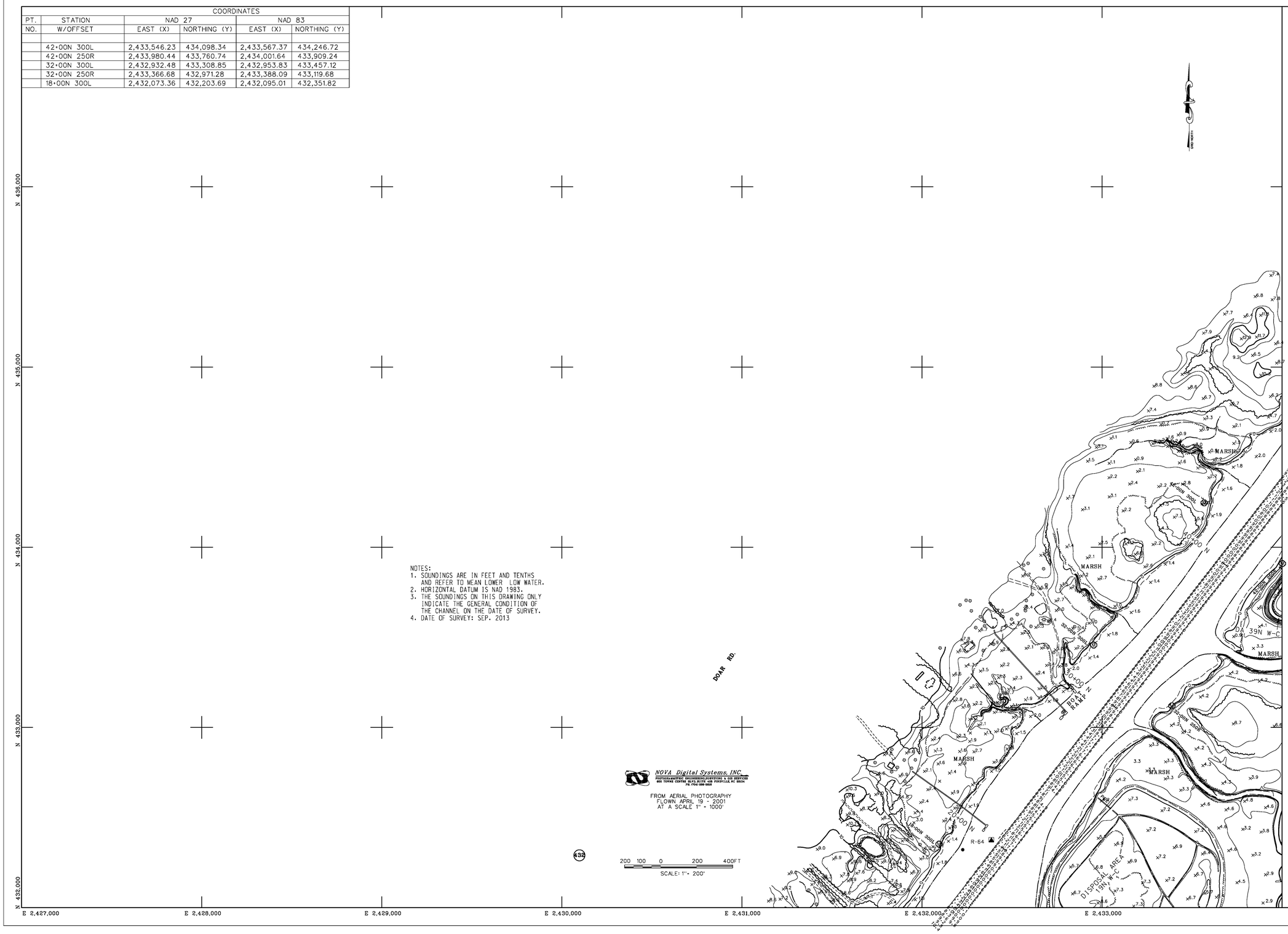
AIWW, WINYAH BAY TO CHARLESTON
STA. 45+19N TO STA. 82+33N
9508
GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFFRENCE NUMBER

SHEET 31 OF 62

WC-S31.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	42+00N 300L	2,433,546.23	434,098.34	2,433,567.37	434,246.72
	42+00N 250R	2,433,980.44	433,760.74	2,434,001.64	433,909.24
	32+00N 300L	2,432,932.48	433,308.85	2,432,953.83	433,457.12
	32+00N 250R	2,433,366.68	432,971.28	2,433,388.09	433,119.68
	18+00N 300L	2,432,073.36	432,203.69	2,432,095.01	432,351.82



NOTES:
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2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
600 TOWNE CENTRE BLVD.SUITE 400 PINEVILLE,NC 28134
PH (704) 889-9858

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPRV	MARK	DESCRIPTION	DATE	APPRV

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

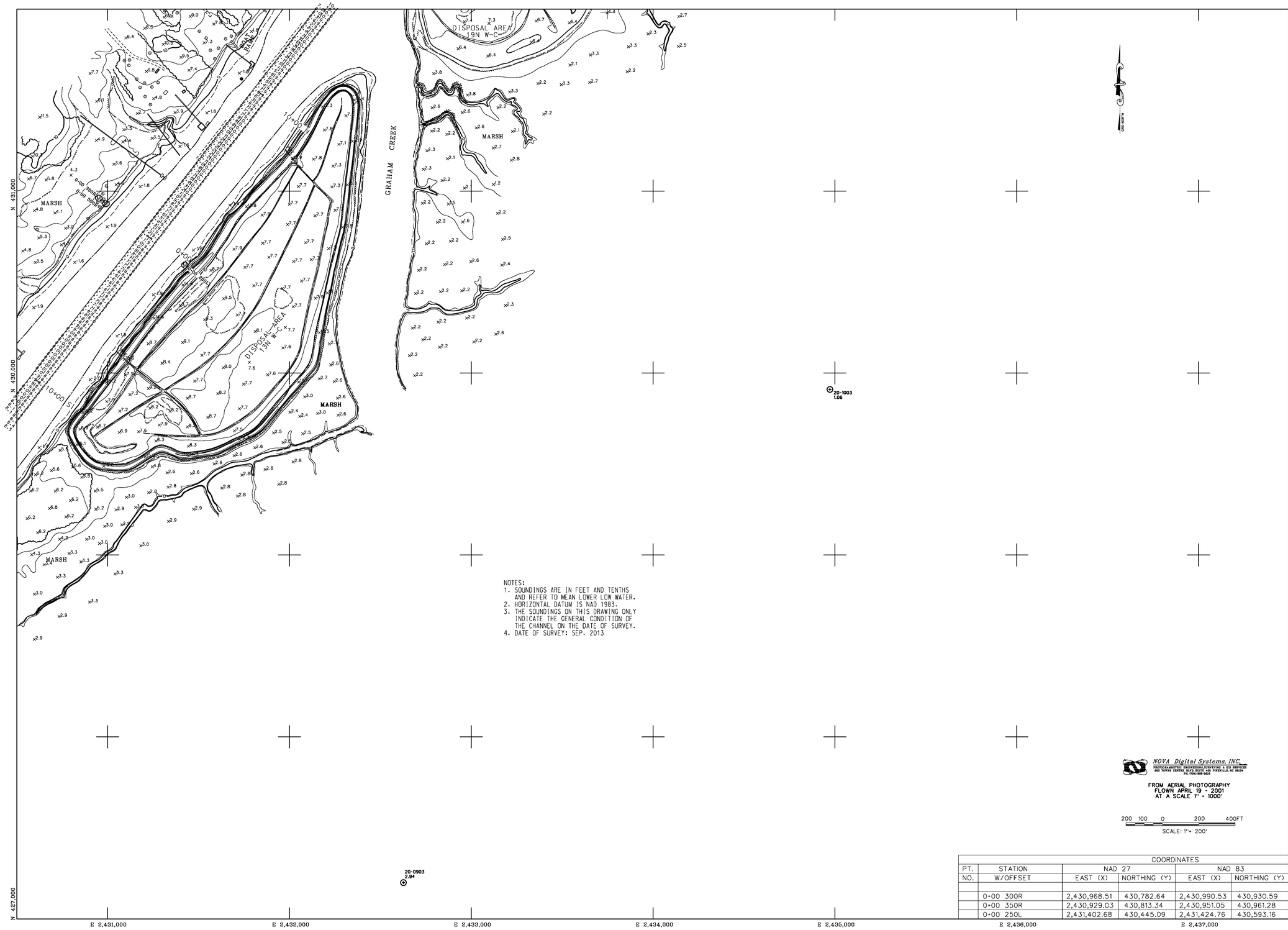
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 15+87N TO STA. 45+19N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 32 OF 62

WC-S32.DGN



NOTES:
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NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING, SURVEYING & GIS SERVICES
600 TOWER CENTER BLVD, SUITE 400 FAYETTE, NC 28134
PH. (704) 888-0618

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	0+00 300R	2,430,968.51	430,782.64	2,430,990.53	430,930.59
	0+00 350R	2,430,929.03	430,813.34	2,430,951.05	430,961.28
	0+00 250L	2,431,402.68	430,445.09	2,431,424.76	430,593.16

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPRV	MARK	DESCRIPTION	DATE	APPRV

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 11+86S TO STA. 15+87N
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 33 OF 62

WC-S33.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	15+00S 300R	2,430,047.99	429,598.51	2,430,070.33	429,746.30
	30+00S 300R	2,429,127.33	428,414.22	2,429,149.98	428,561.86
	30+00S 240L	2,429,553.63	428,082.81	2,429,576.34	428,230.57
	43+00S 240L	2,428,755.82	427,056.60	2,428,778.80	427,204.23
	43+00S 300R	2,428,329.48	427,387.99	2,428,352.40	427,535.50

NOTES:
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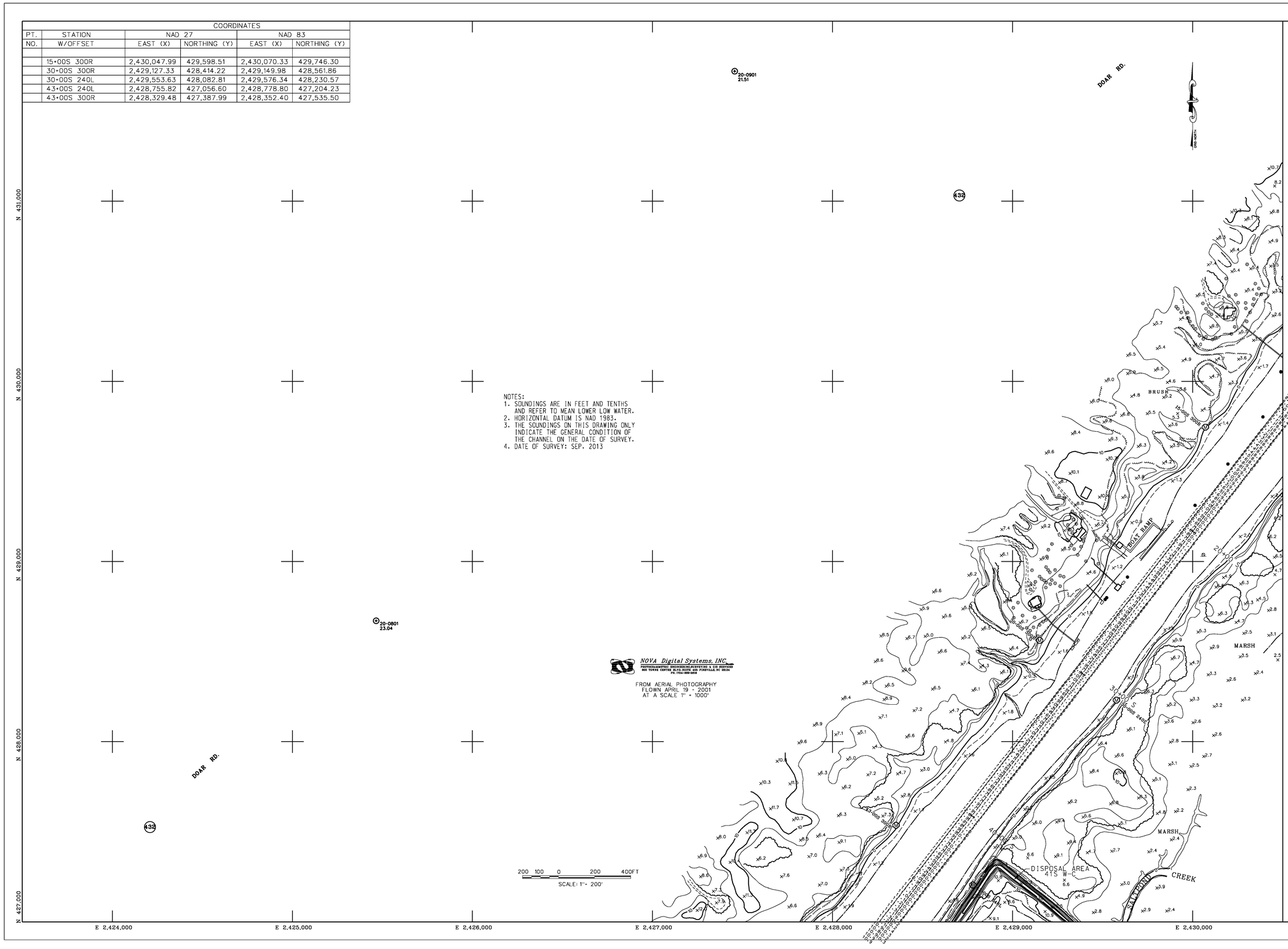
NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
900 TOWER CENTER B,170,SUITE 400 PINEVILLE NC 28134
PH: (704)889-8028

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

SCALE: 1"= 200'



US Army Corps of Engineers
Charleston District

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

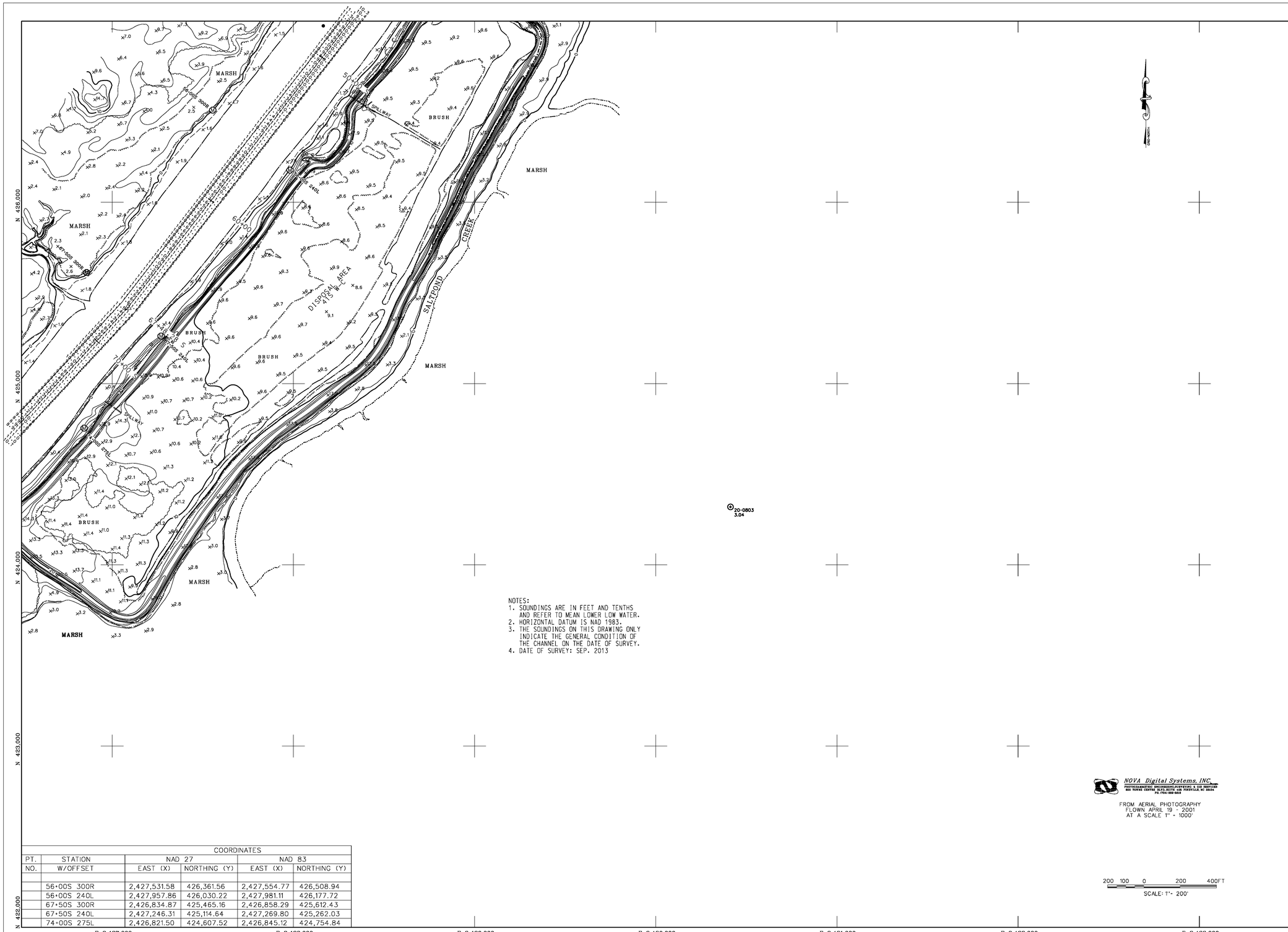
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

Designed by:
Drawn by: MRV
Checked by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
Fig. name:
Proj code:
Dwg. scale: 1" = 200'

AWW, WINYAH BAY TO CHARLESTON
STA. 11+86S TO STA. 47+45S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 34 OF 62

WC-S34.DGN



NOTES:
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4. DATE OF SURVEY: SEP. 2013

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	56+00S 300R	2,427,531.58	426,361.56	2,427,554.77	426,508.94
	56+00S 240L	2,427,957.86	426,030.22	2,427,981.11	426,177.72
	67+50S 300R	2,426,834.87	425,465.16	2,426,858.29	425,612.43
	67+50S 240L	2,427,246.31	425,114.64	2,427,269.80	425,262.03
	74+00S 275L	2,426,821.50	424,607.52	2,426,845.12	424,754.84

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD,SUITE 400 PORTSFILE, NC 28334
PH.(704) 888-6815

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" - 1000'

200 100 0 200 400FT
SCALE: 1"- 200'

US Army Corps of Engineers
Charleston District

MARK	DESCRIPTION	DATE	APPRV.	MARK	DESCRIPTION	DATE	APPRV.

Designed by
Drawn by MRV
Checked by
Reviewed by
Submitted by
Date OCT. 2013
Rev.
Design file no. 9508
Drawing Code
File name
Plot date
Plot scale 1" = 200'

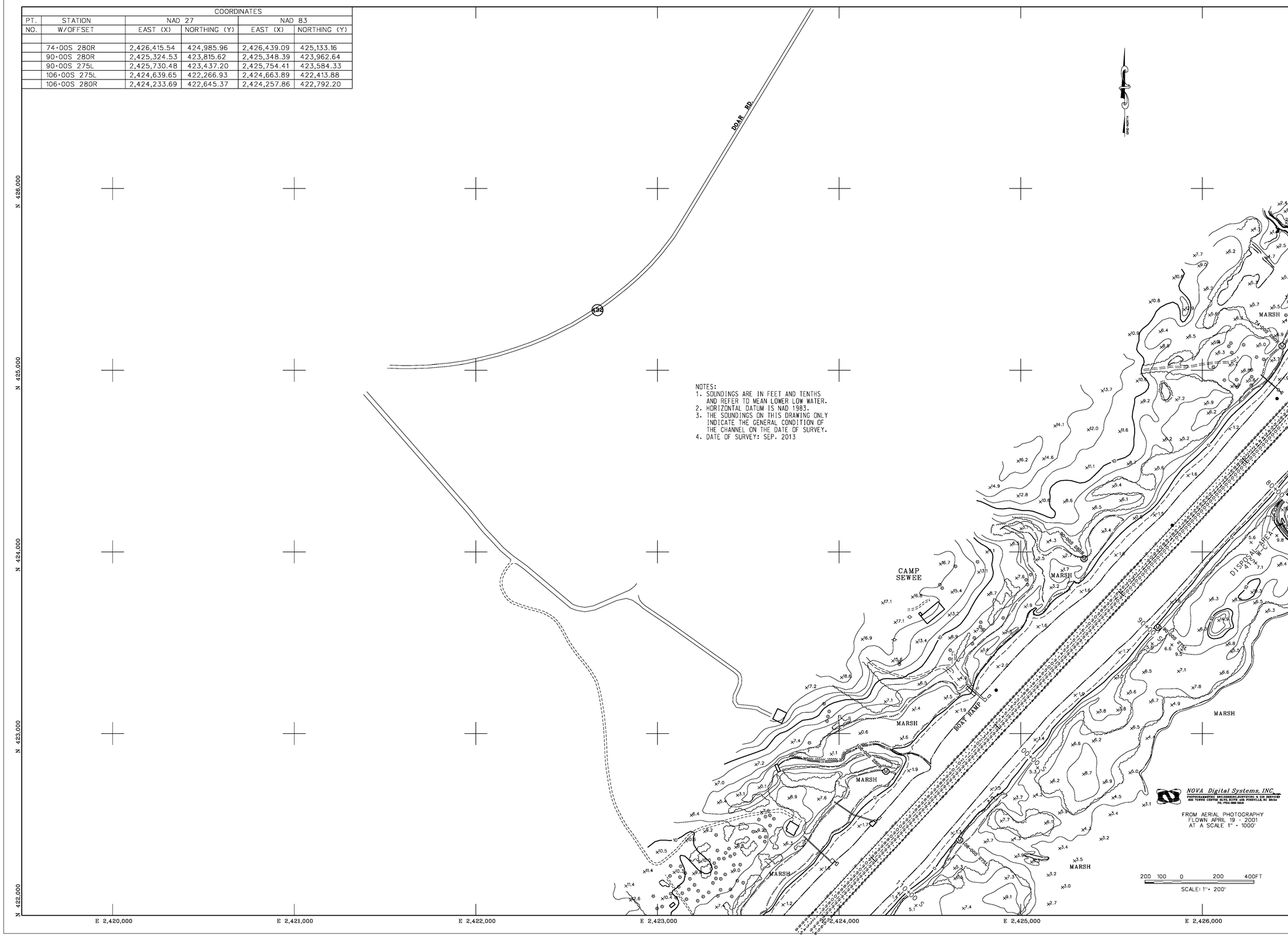
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 47+45S TO STA. 76+09S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 35 OF 62

WC-535.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	74+00S 280R	2,426,415.54	424,985.96	2,426,439.09	425,133.16
	90+00S 280R	2,425,324.53	423,815.62	2,425,348.39	423,962.64
	90+00S 275L	2,425,730.48	423,437.20	2,425,754.41	423,584.33
	106+00S 275L	2,424,639.65	422,266.93	2,424,663.89	422,413.88
	106+00S 280R	2,424,233.69	422,645.37	2,424,257.86	422,792.20



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
600 TOWER CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-0616

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 76+09S TO STA. 114+20S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

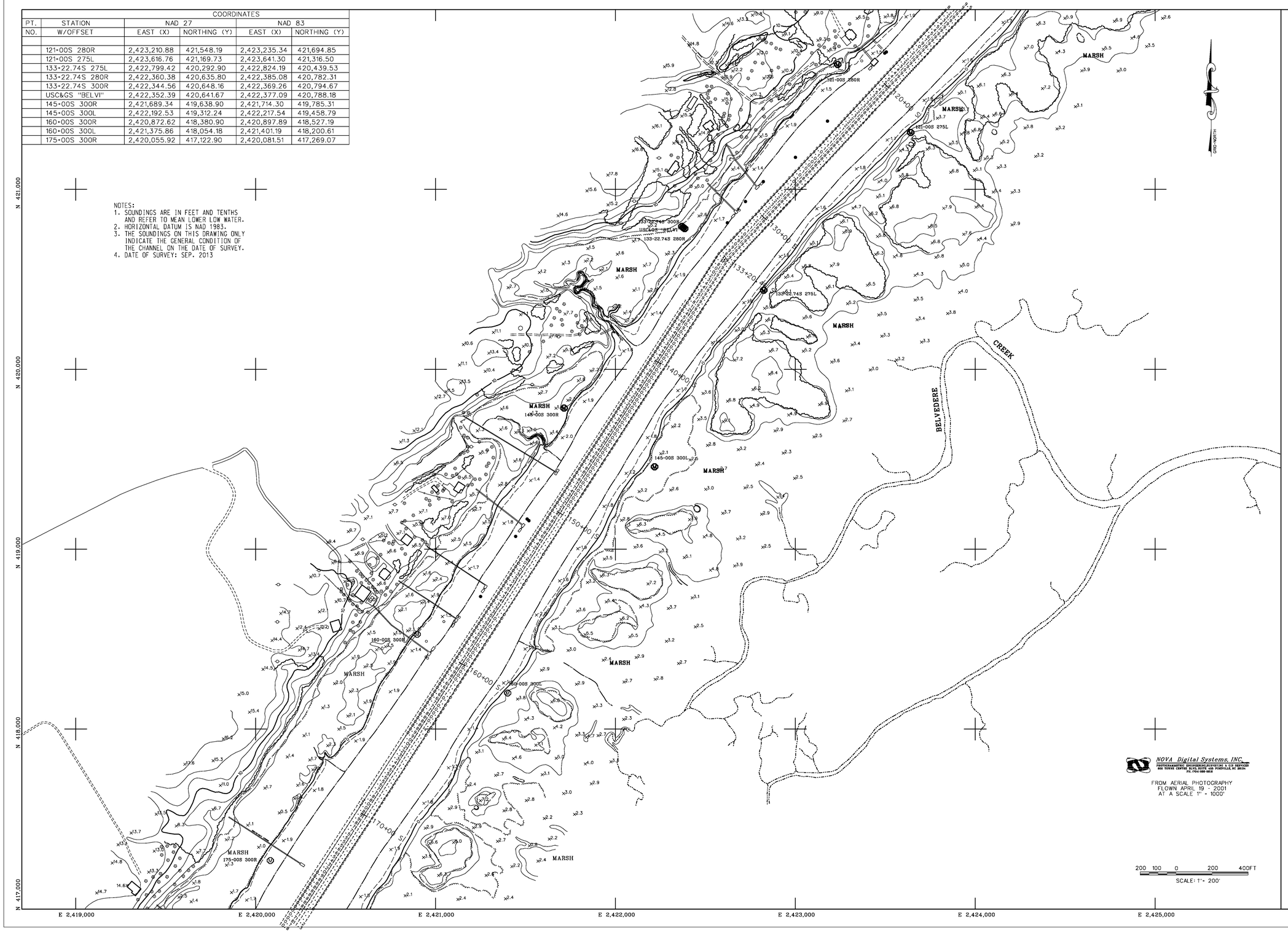
SHEET REFERENCE NUMBER

SHEET 36 OF 62

WC-S36.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	121+00S 280R	2,423,210.88	421,548.19	2,423,235.34	421,694.85
	121+00S 275L	2,423,616.76	421,169.73	2,423,641.30	421,316.50
	133+22.74S 275L	2,422,799.42	420,292.90	2,422,824.19	420,439.53
	133+22.74S 280R	2,422,360.38	420,635.80	2,422,385.08	420,782.31
	133+22.74S 300R	2,422,344.56	420,648.16	2,422,369.26	420,794.67
	USC&GS "BELVI"	2,422,352.39	420,641.67	2,422,377.09	420,788.18
	145+00S 300R	2,421,689.34	419,638.90	2,421,714.30	419,785.31
	145+00S 300L	2,422,192.53	419,312.24	2,422,217.54	419,458.79
	160+00S 300R	2,420,872.62	418,380.90	2,420,897.89	418,527.19
	160+00S 300L	2,421,375.86	418,054.18	2,421,401.19	418,200.61
	175+00S 300R	2,420,055.92	417,122.90	2,420,081.51	417,269.07

NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013



US Army Corps of Engineers
Charleston District

MARK	DATE	REVISION	MARK	DATE	REVISION

Designed by: | Date: OCT. 2013 | Rev:
Drawn by: MRV | Det by: | Design file no. 9508
Reviewed by: | Drawing Code:
Submitted by: | File name: | File Name: | Dwg Scale: 1" = 200'

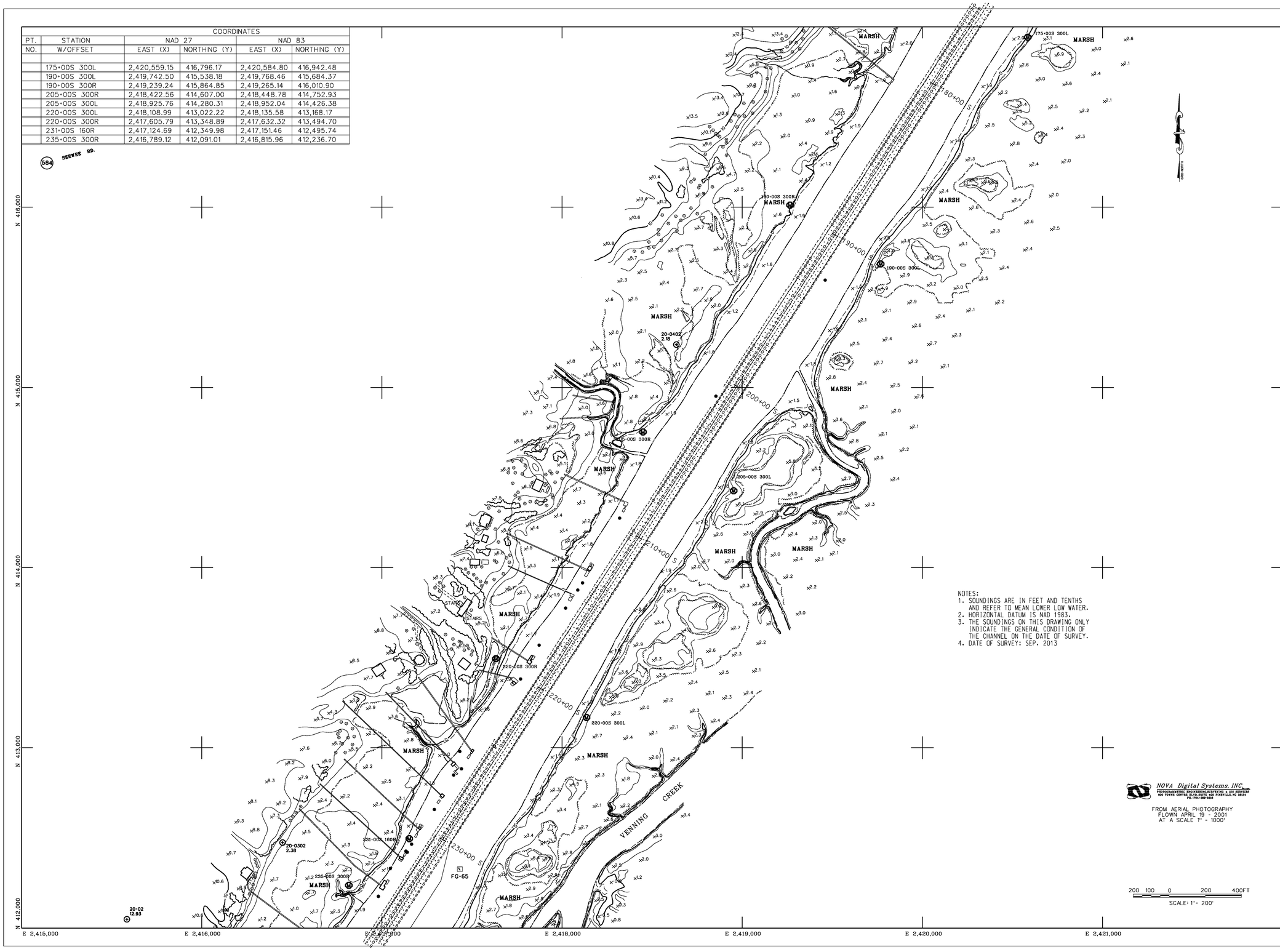
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 114+20S TO STA. 176+23S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 37 OF 62

WC-S37.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	175+00S 300L	2,420,559.15	416,796.17	2,420,584.80	416,942.48
	190+00S 300L	2,419,742.50	415,538.18	2,419,768.46	415,684.37
	190+00S 300R	2,419,239.24	415,864.85	2,419,265.14	416,010.90
	205+00S 300R	2,418,422.56	414,607.00	2,418,448.78	414,752.93
	205+00S 300L	2,418,925.76	414,280.31	2,418,952.04	414,426.38
	220+00S 300L	2,418,108.99	413,022.22	2,418,135.58	413,168.17
	220+00S 300R	2,417,605.79	413,348.89	2,417,632.32	413,494.70
	231+00S 160R	2,417,124.69	412,349.98	2,417,151.46	412,495.74
	235+00S 300R	2,416,789.12	412,091.01	2,416,815.96	412,236.70



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
600 TOWNE CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-9658

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

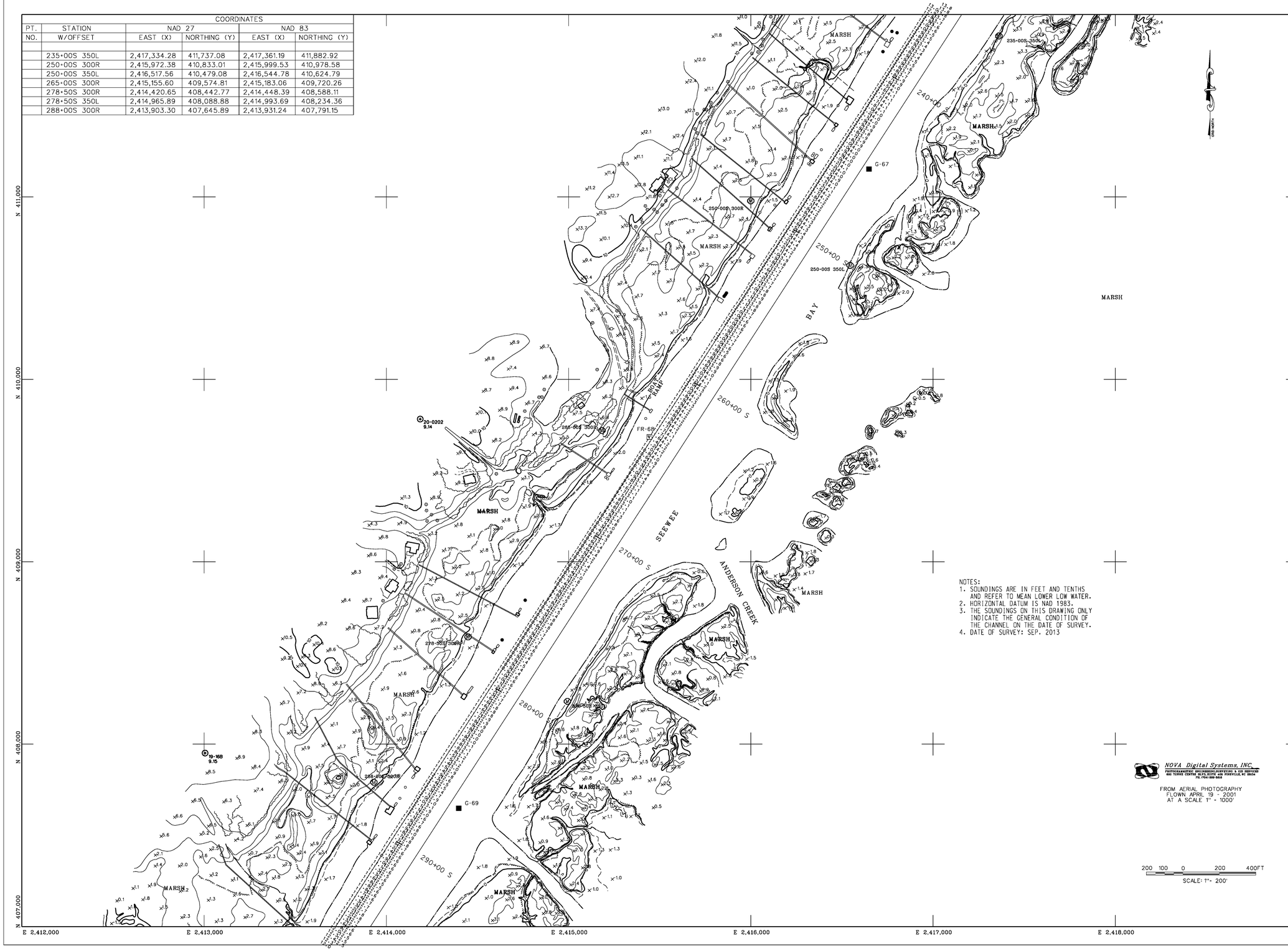
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 176+23S TO STA. 235+84S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 38 OF 62

WC-S38.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	235+00S 350L	2,417,334.28	411,737.08	2,417,361.19	411,882.92
	250+00S 300R	2,415,972.38	410,833.01	2,415,999.53	410,978.58
	250+00S 350L	2,416,517.56	410,479.08	2,416,544.78	410,624.79
	265+00S 300R	2,415,155.60	409,574.81	2,415,183.06	409,720.26
	278+50S 300R	2,414,420.65	408,442.77	2,414,448.39	408,588.11
	278+50S 350L	2,414,965.89	408,088.88	2,414,993.69	408,234.36
	288+00S 300R	2,413,903.30	407,645.89	2,413,931.24	407,791.15



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING SURVEYING & GIS SERVICES
800 TOWER CENTER BLVD.SUITE 400 FORTELLA,NC 28034
PH.704/864-8665

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" - 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg Scale: 1" = 200'

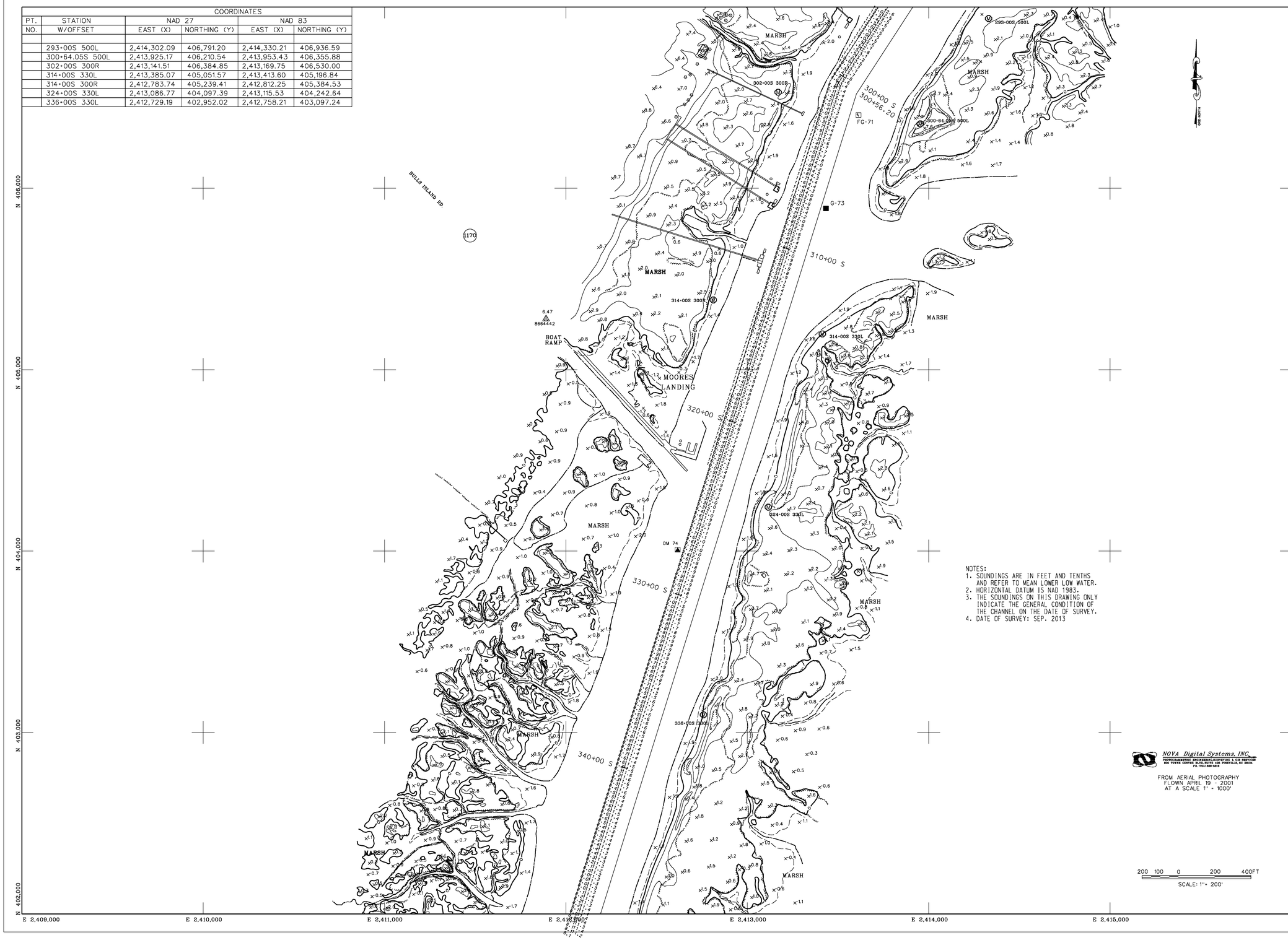
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 235+84S TO STA. 295+44S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 39 OF 62

WC-539.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	293+00S 500L	2,414,302.09	406,791.20	2,414,330.21	406,936.59
	300+64.05S 500L	2,413,925.17	406,210.54	2,413,953.43	406,355.88
	302+00S 300R	2,413,141.51	406,384.85	2,413,169.75	406,530.00
	314+00S 330L	2,413,385.07	405,051.57	2,413,413.60	405,196.84
	314+00S 300R	2,412,783.74	405,239.41	2,412,812.25	405,384.53
	324+00S 330L	2,413,086.77	404,097.39	2,413,115.53	404,242.64
	336+00S 330L	2,412,729.19	402,952.02	2,412,758.21	403,097.24



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-6618

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Checked by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

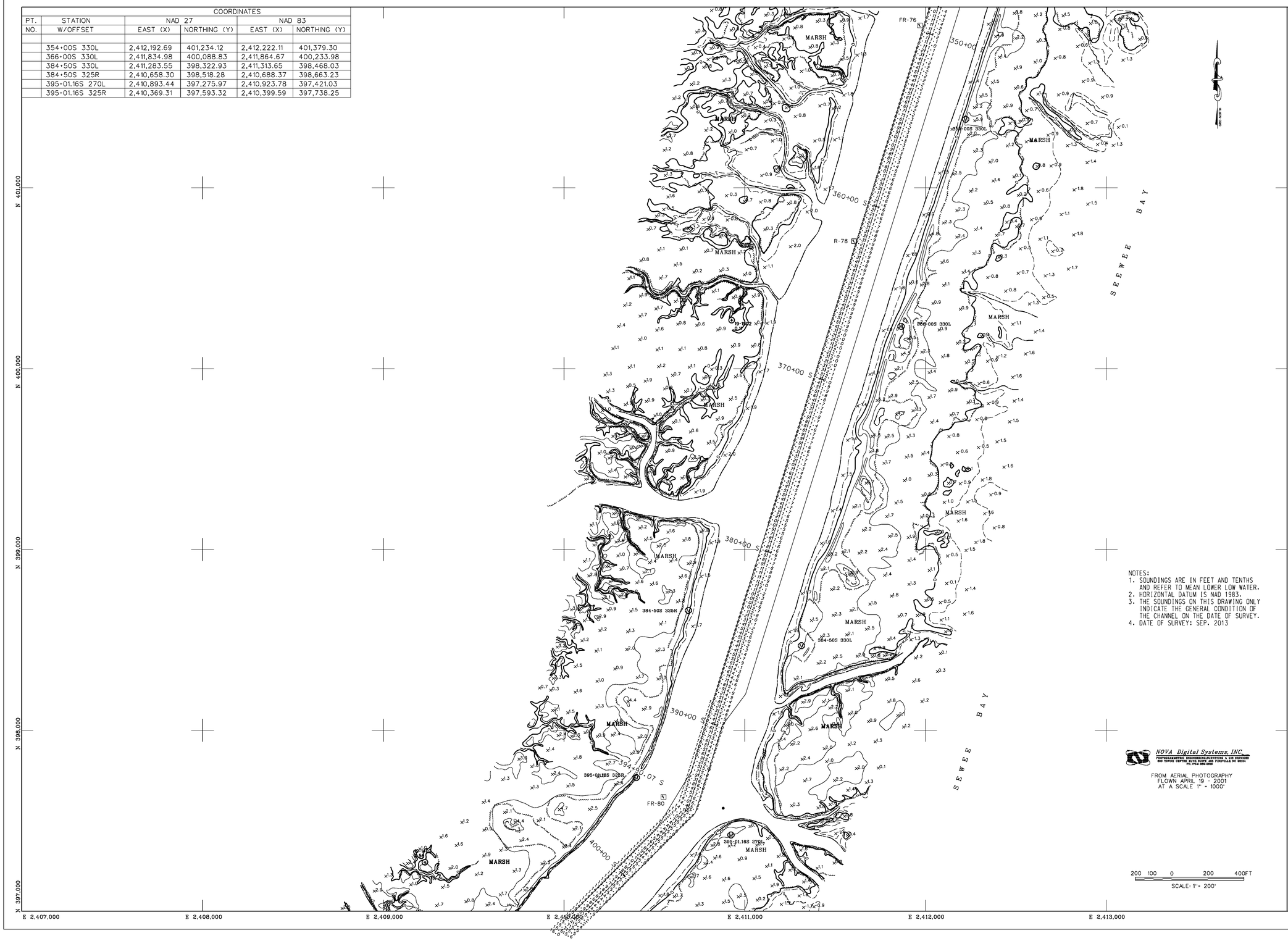
AIWW, WINYAH BAY TO CHARLESTON
STA. 295+44S TO STA. 348+44S
9508
GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 40 OF 62

WC-S40.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	354+00S 330L	2,412,192.69	401,234.12	2,412,222.11	401,379.30
	366+00S 330L	2,411,834.98	400,088.83	2,411,864.67	400,233.98
	384+50S 330L	2,411,283.55	398,322.93	2,411,313.65	398,468.03
	384+50S 325R	2,410,658.30	398,518.28	2,410,688.37	398,663.23
	395+01.16S 270L	2,410,893.44	397,275.97	2,410,923.78	397,421.03
	395+01.16S 325R	2,410,369.31	397,593.32	2,410,399.59	397,738.25



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
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3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
600 TOWNE CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-5818

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPRV	MARK	DESCRIPTION	DATE	APPRV

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

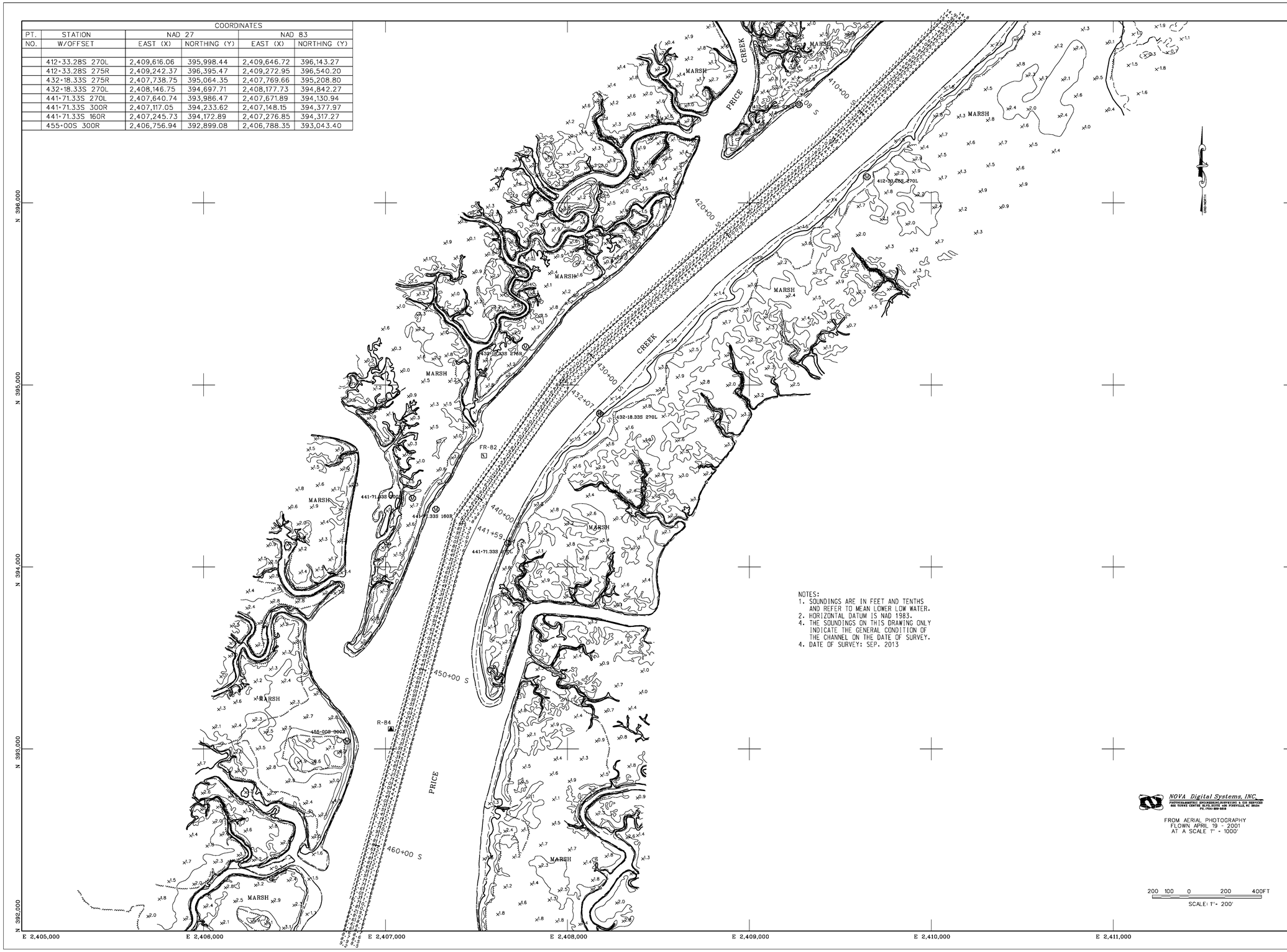
AIWW, WINYAH BAY TO CHARLESTON
STA. 348+44S TO STA. 402+89S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 41 OF 62

WC-S41.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	412+33.28S 270L	2,409,616.06	395,998.44	2,409,646.72	396,143.27
	412+33.28S 275R	2,409,242.37	396,395.47	2,409,272.95	396,540.20
	432+18.33S 275R	2,407,738.75	395,064.35	2,407,769.66	395,208.80
	432+18.33S 270L	2,408,146.75	394,697.71	2,408,177.73	394,842.27
	441+71.33S 270L	2,407,640.74	393,986.47	2,407,671.89	394,130.94
	441+71.33S 300R	2,407,117.05	394,233.62	2,407,148.15	394,377.97
	441+71.33S 160R	2,407,245.73	394,172.89	2,407,276.85	394,317.27
	455+00S 300R	2,406,756.94	392,899.08	2,406,788.35	393,043.40



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
4. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
800 TOWER CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-8828

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

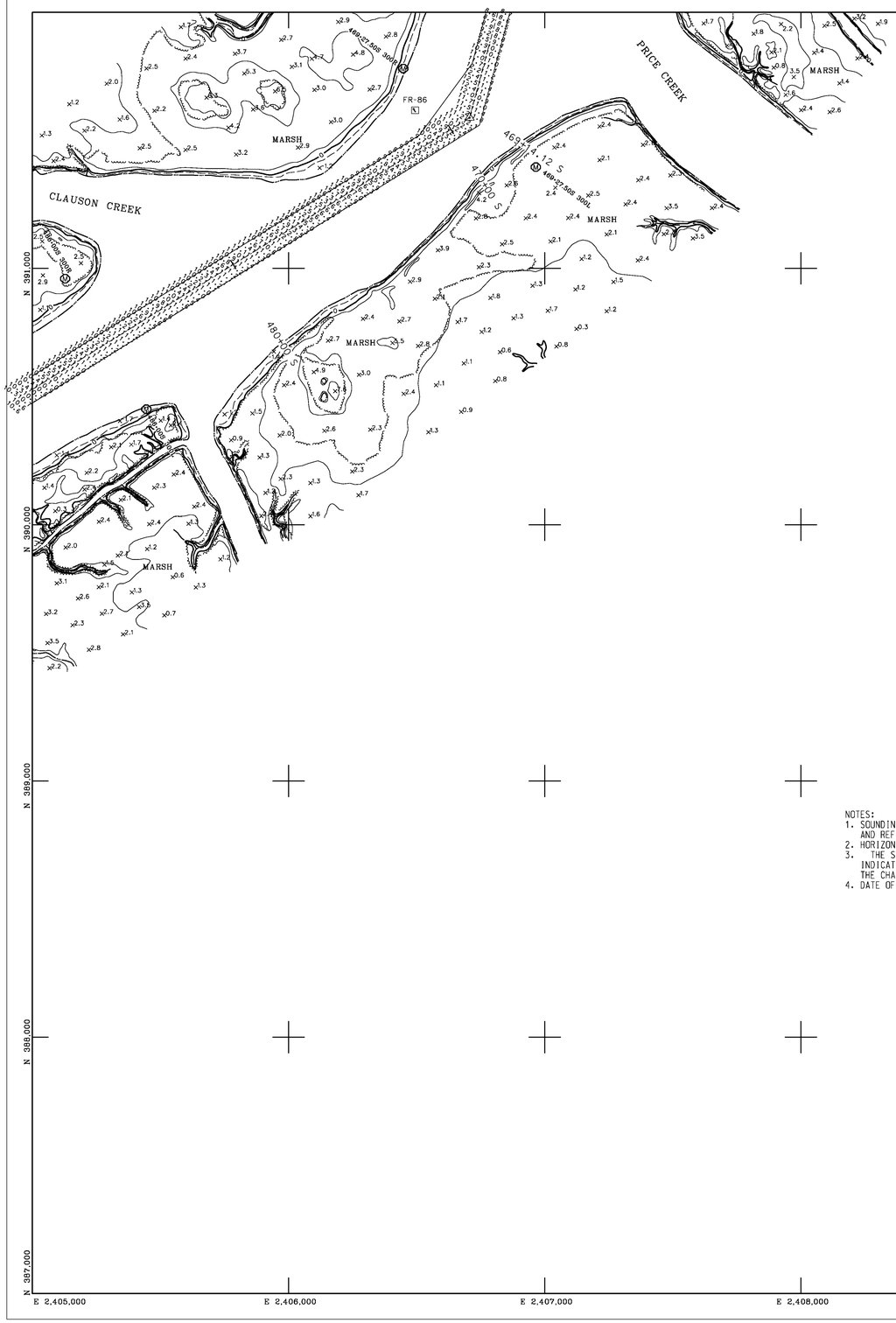
Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

AIWW, WINYAH BAY TO CHARLESTON
STA. 402+89S TO STA. 464+87S
9508
GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 42 OF 62

WC-S42.DGN



COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	469+27.50S 300R	2,406,416.08	391,636.02	2,406,447.77	391,780.32
	469+27.50S 300L	2,406,933.62	391,251.26	2,406,965.39	391,395.69
	486+00S 300R	2,405,095.99	390,815.95	2,405,127.89	390,959.99
	486+00S 300L	2,405,412.71	390,306.38	2,405,444.72	390,450.51

NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
800 TOWER CENTRE BLVD, SUITE 400, FAYETTEVILLE, NC 28304
P.O. (704) 889-9038

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Date: OCT. 2013
Rev:
Dwn by: MRV
Ckd by:
Design file no. 9508
Drawing Code:
Revised by:
Scanned by:
File name: WC-S43.DGN
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

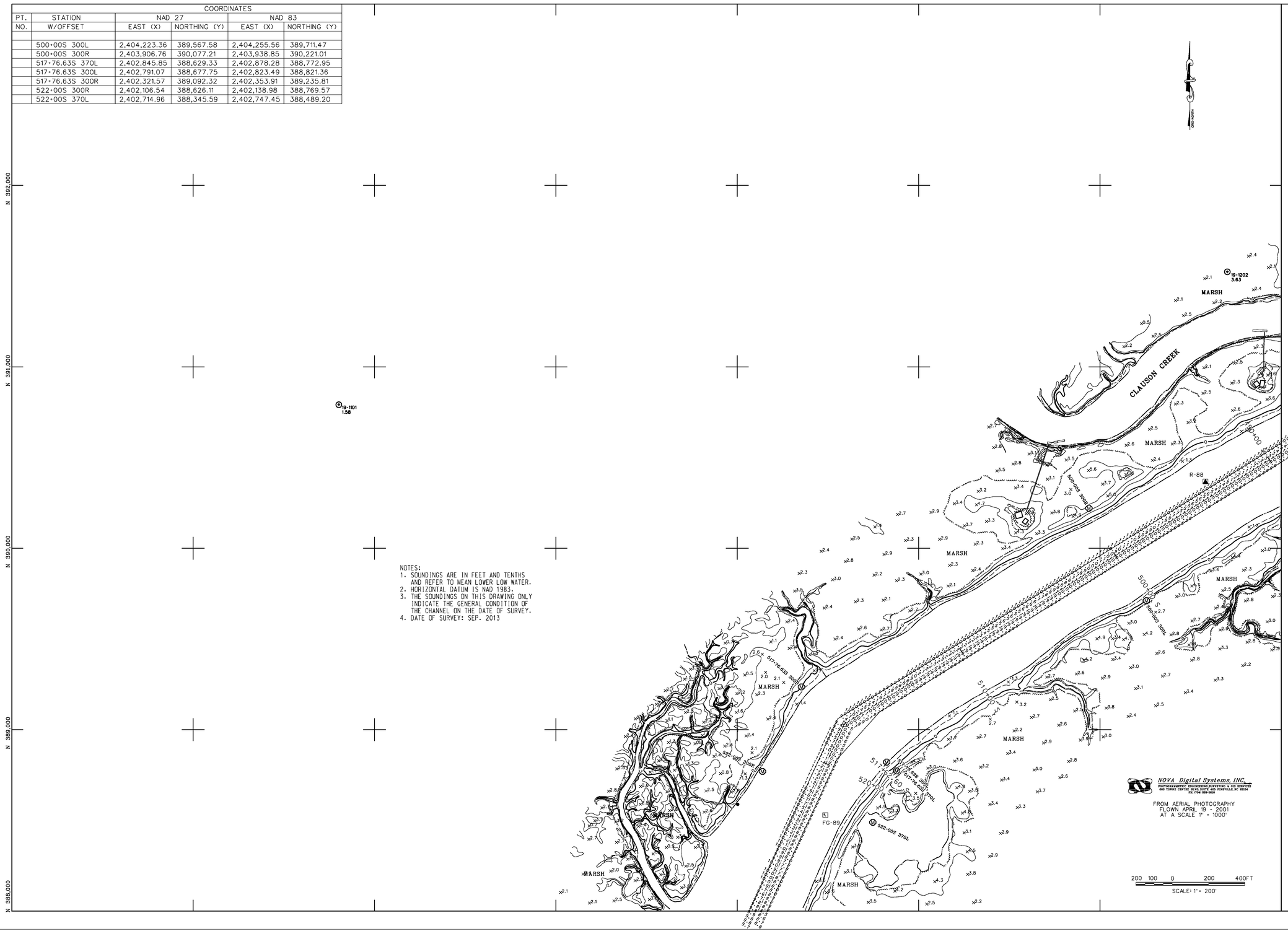
AIWW, WINYAH BAY TO CHARLESTON
STA. 464+87S TO STA. 489+23S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 43 OF 62

WC-S43.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	500+00S 300L	2,404,223.36	389,567.58	2,404,255.56	389,711.47
	500+00S 300R	2,403,906.76	390,077.21	2,403,938.85	390,221.01
	517+76.63S 370L	2,402,845.85	388,629.33	2,402,878.28	388,772.95
	517+76.63S 300L	2,402,791.07	388,677.75	2,402,823.49	388,821.36
	517+76.63S 300R	2,402,321.57	389,092.32	2,402,353.91	389,235.81
	522+00S 300R	2,402,106.54	388,626.11	2,402,138.98	388,769.57
	522+00S 370L	2,402,714.96	388,345.59	2,402,747.45	388,489.20

NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013



US Army Corps of Engineers
Charleston District

SYM.	DATE	DESCRIPTION	SYM.	DATE	DESCRIPTION

Designed by:
Drawn by: MRV
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Oct by:
Design file no: 9508
Drawing Code:
File name:
Plot scale:
Dwg scale: 1" = 200'

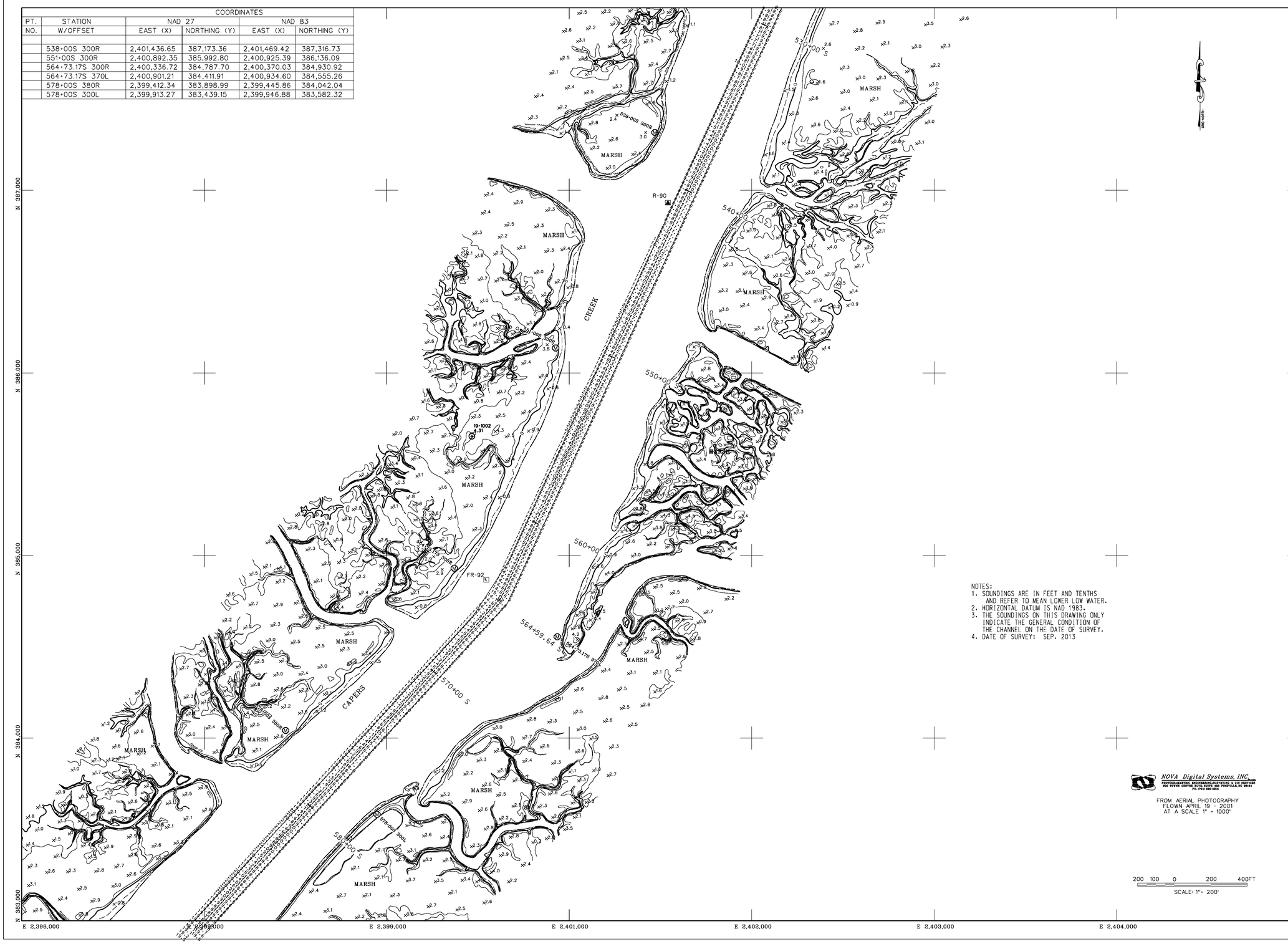
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 489+23S TO STA. 528+95S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 44 OF 62

WC-544.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	538+00S 300R	2,401,436.65	387,173.36	2,401,469.42	387,316.73
	551+00S 300R	2,400,892.35	385,992.80	2,400,925.39	386,136.09
	564+73.17S 300R	2,400,336.72	384,787.70	2,400,370.03	384,930.92
	564+73.17S 370L	2,400,901.21	384,411.91	2,400,934.60	384,555.26
	578+00S 380R	2,399,412.34	383,898.99	2,399,445.86	384,042.04
	578+00S 300L	2,399,913.27	383,439.15	2,399,946.88	383,582.32



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
600 TOWNE CENTRE BLVD,SUITE 400 PINEVILLE,NC 28134
PH.(704)588-9828

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPRV.	MARK	DESCRIPTION	DATE	APPRV.

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

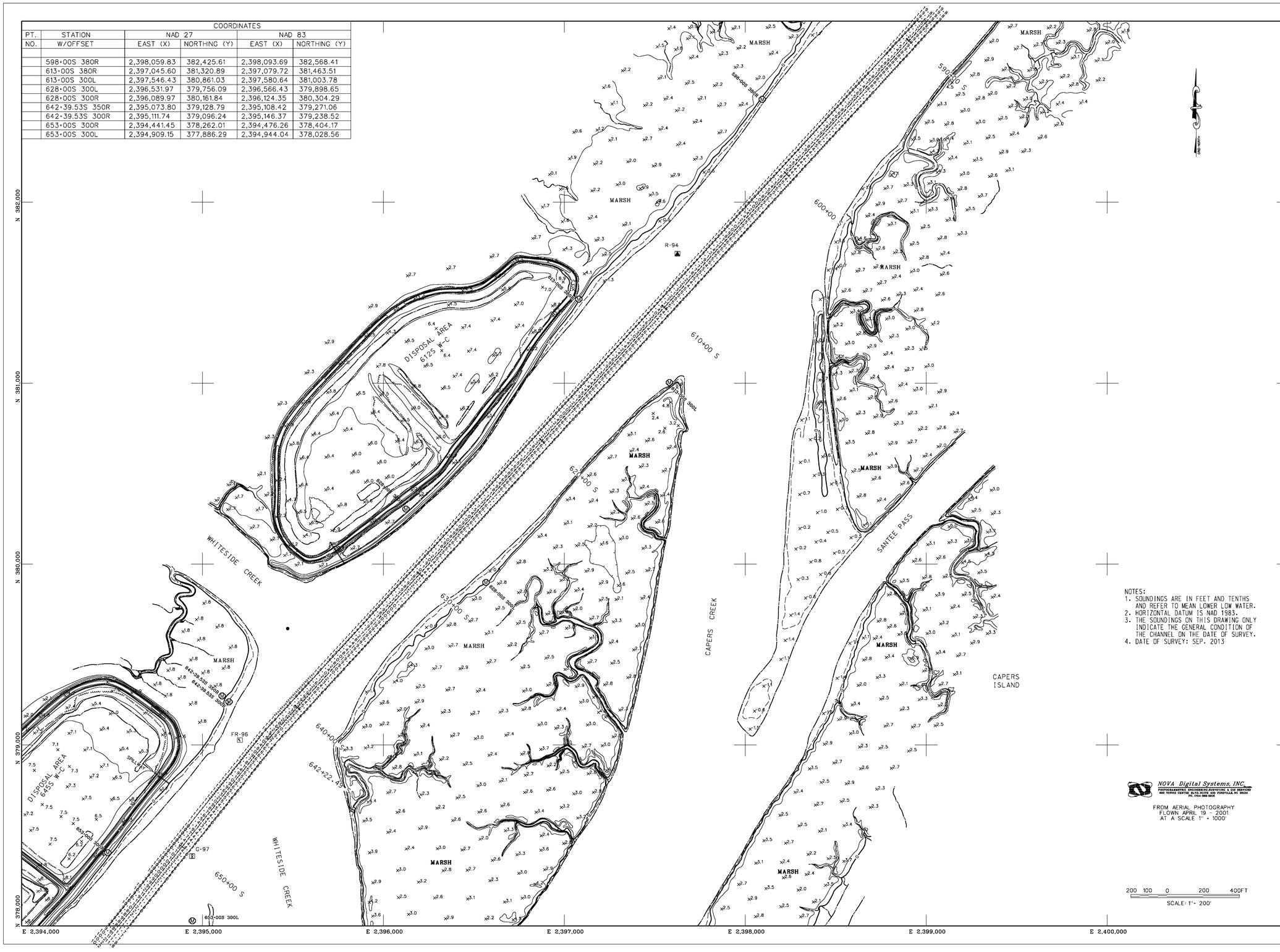
AIWW, WINYAH BAY TO CHARLESTON
STA. 528+95S TO STA. 588+52S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 45 OF 62

WC-S45.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	598+00S 380R	2,398,059.83	382,425.61	2,398,093.69	382,568.41
	613+00S 380R	2,397,045.60	381,320.89	2,397,079.72	381,463.51
	613+00S 300L	2,397,546.43	380,861.03	2,397,580.64	381,003.78
	628+00S 300L	2,396,531.97	379,756.09	2,396,566.43	379,898.65
	628+00S 300R	2,396,089.97	380,161.84	2,396,124.35	380,304.29
	642+39.53S 350R	2,395,073.80	379,128.79	2,395,108.42	379,271.06
	642+39.53S 300R	2,395,111.74	379,096.24	2,395,146.37	379,238.52
	653+00S 300R	2,394,441.45	378,262.01	2,394,476.26	378,404.17
	653+00S 300L	2,394,909.15	377,886.29	2,394,944.04	378,028.56



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
600 TOWNE CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-5616

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPRV	MARK	DESCRIPTION	DATE	APPRV

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 588+52S TO STA. 655+60S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 46 OF 62

WC-S46.DGN

NOTES:

1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-9858

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	664+00S 300L	2,394,220.23	377,028.77	2,394,255.31	377,170.92
	664+00S 300R	2,393,752.48	377,404.50	2,393,787.49	377,546.54
	677+00S 300L	2,393,406.01	376,015.37	2,393,441.32	376,157.38

US Army Corps of Engineers
Charleston District

MARK	DESCRIPTION	DATE	APPR.

DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

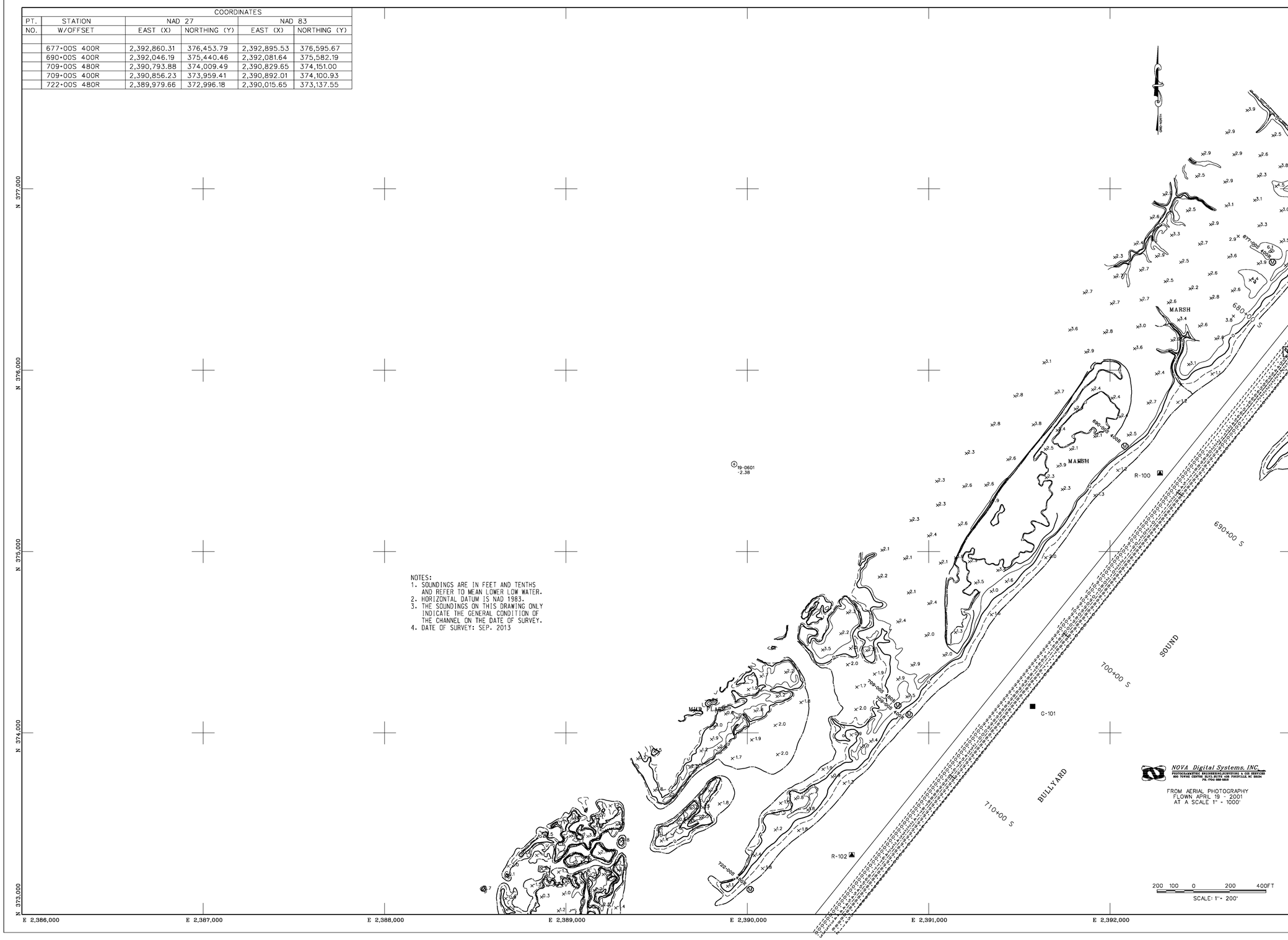
AIWW, WINYAH BAY TO CHARLESTON
STA. 655+60S TO STA. 680+14S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 47 OF 62

WC-S47.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	677+00S 400R	2,392,860.31	376,453.79	2,392,895.53	376,595.67
	690+00S 400R	2,392,046.19	375,440.46	2,392,081.64	375,582.19
	709+00S 480R	2,390,793.88	374,009.49	2,390,829.65	374,151.00
	709+00S 400R	2,390,856.23	373,959.41	2,390,892.01	374,100.93
	722+00S 480R	2,389,979.66	372,996.18	2,390,015.65	373,137.55



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

US Army Corps of Engineers
Charleston District

MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION

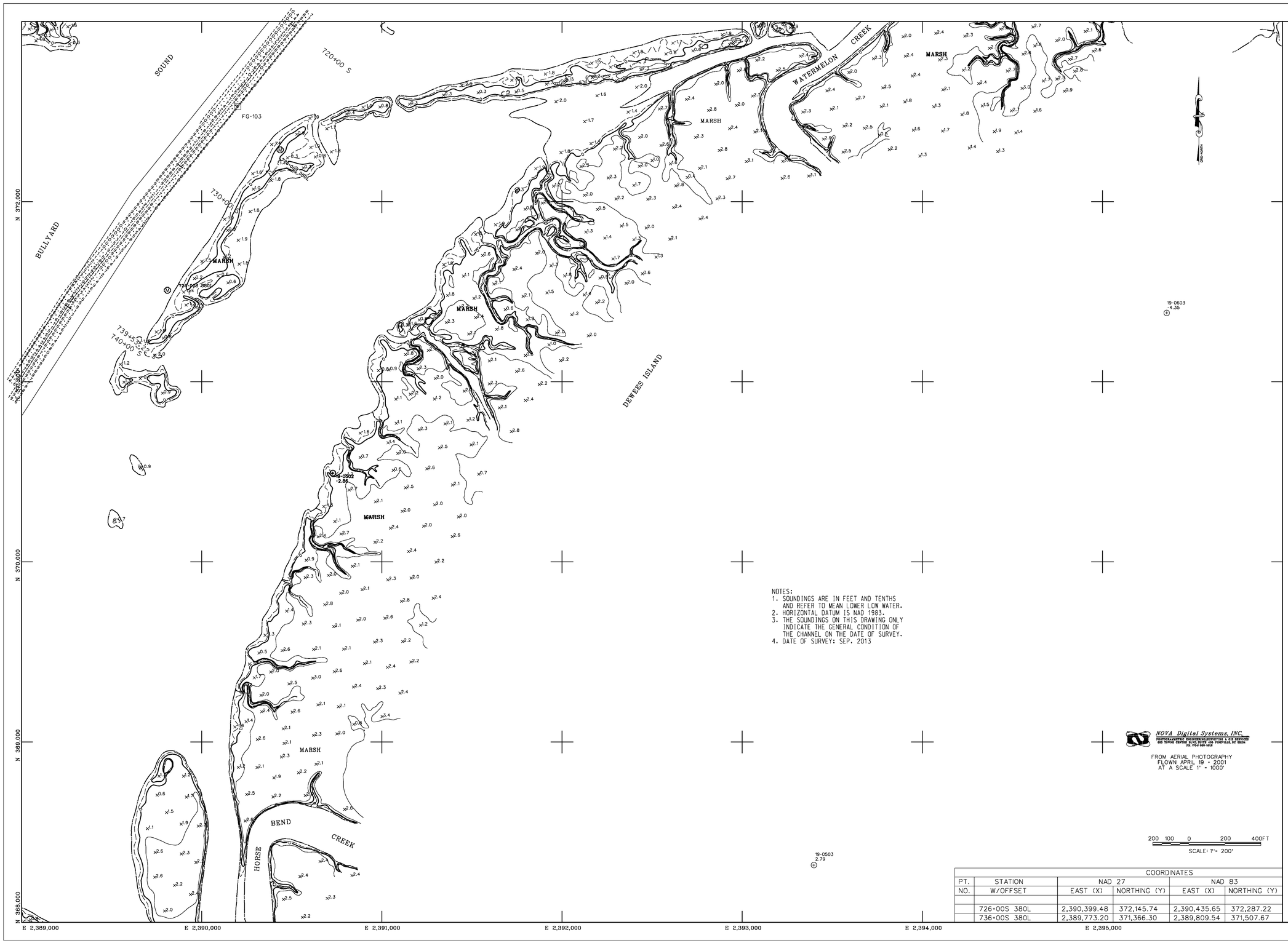
Designed by:
Drawn by: MRV
Cad by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, MINYAH BAY TO CHARLESTON
STA. 680+14S TO STA. 719+73S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 48 OF 62

MC-548.DGN



NOTES:
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2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,GEOSYSTEMS & GIS SERVICES
600 TOWNE CENTER BLVD, SUITE 400, FUKEVILLE, NC 68134
PH. (704) 588-4858

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	726+00S 380L	2,390,399.48	372,145.74	2,390,435.65	372,287.22
	736+00S 380L	2,389,773.20	371,366.30	2,389,809.54	371,507.67

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPRV.	DESCRIPTION	DATE	APPRV.

Designed by: | Date: OCT 2013 | Rev:
Drawn by: MRM | Chkd by: | Design file no. 9508
Reviewed by: | Drawing Code:
Submitted by: | File name: | Plot date: | Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 719+73S TO STA. 744+71S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 49 OF 62

WC-549.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	778+30S 563.75R	2,386,675.69	368,380.81	2,386,712.69	368,521.61

NOTES:
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2. HORIZONTAL DATUM IS NAD 1983.
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4. DATE OF SURVEY: SEP. 2013

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPRV.	MARK	DESCRIPTION	DATE	APPRV.

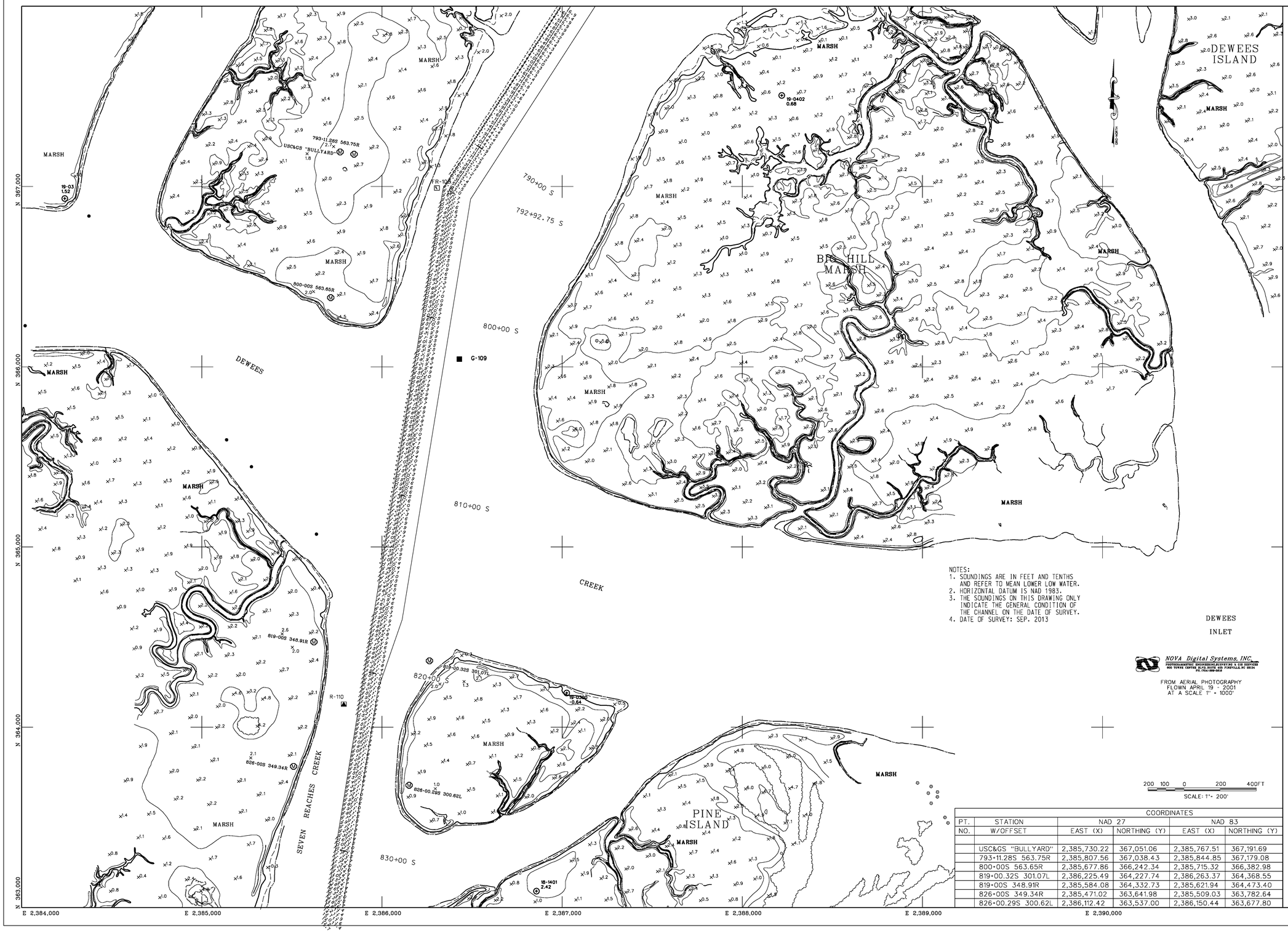
Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 744+71S TO STA. 780+69S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 50 OF 62

WC-S50.DGN



NOTES:
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2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH.(704)889-5858

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

PT. NO.	STATION W/OFFSET	COORDINATES NAD 27 EAST (X)	NAD 27 NORTHING (Y)	NAD 83 EAST (X)	NAD 83 NORTHING (Y)
	USC&GS "BULLYARD"	2,385,730.22	367,051.06	2,385,767.51	367,191.69
	793+11.28S 563.75R	2,385,807.56	367,038.43	2,385,844.85	367,179.08
	800+00S 563.65R	2,385,677.86	366,242.34	2,385,715.32	366,382.98
	819+00.32S 301.07L	2,386,225.49	364,227.74	2,386,263.37	364,368.55
	819+00S 348.91R	2,385,584.08	364,332.73	2,385,621.94	364,473.40
	826+00S 349.34R	2,385,471.02	363,641.98	2,385,509.03	363,782.64
	826+00.29S 300.62L	2,386,112.42	363,537.00	2,386,150.44	363,677.80

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by: | Date: OCT. 2013 | Rev:
Drawn by: MRV | Ckd by: | Design file no. 9508
Reviewed by: | Drawing Code:
Submitted by: | File name: | Plot date: | Dwg scale: 1" = 200'

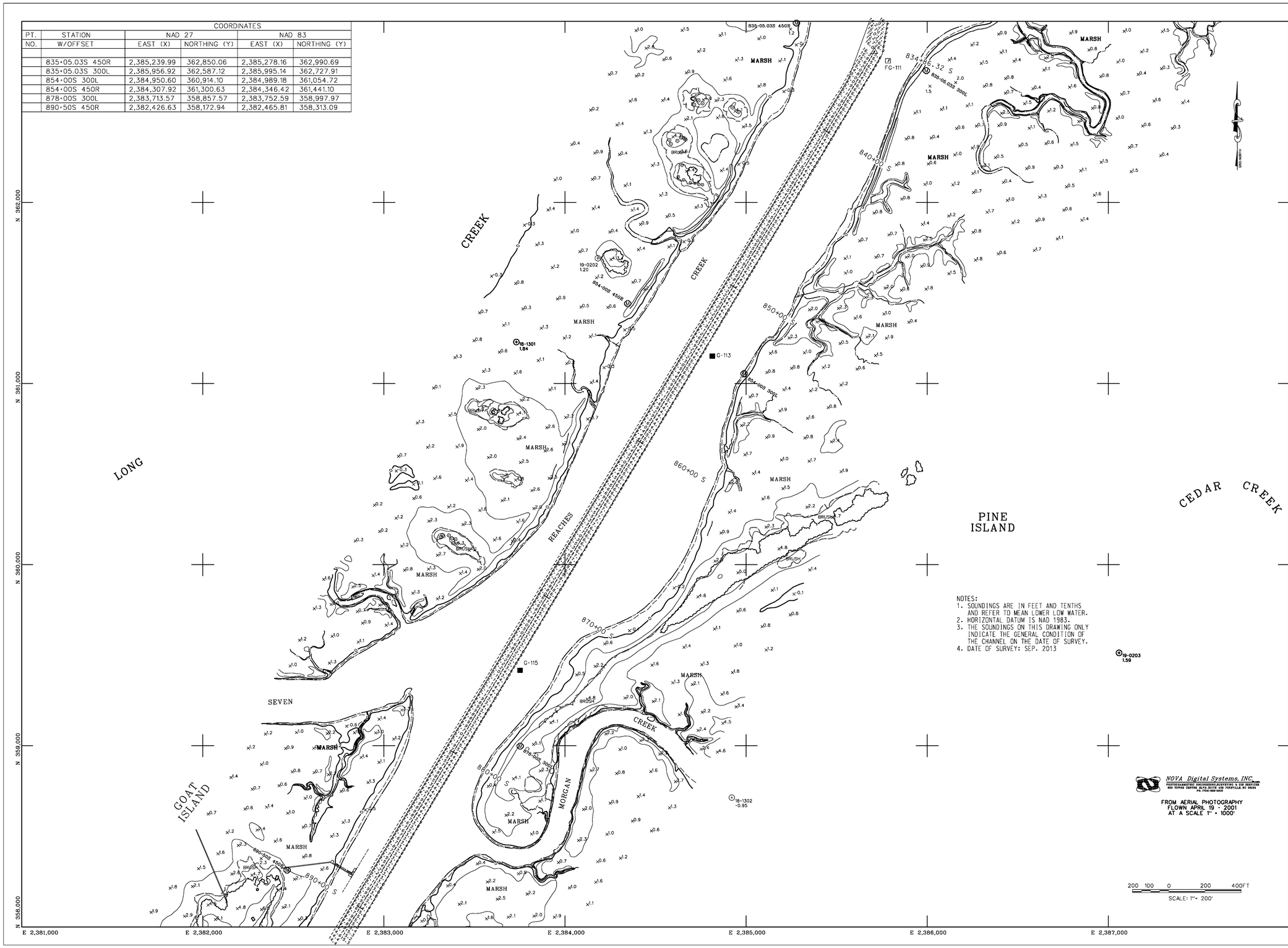
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 780+69S TO STA. 833+17S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 51 OF 62

WC-S51.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	835+05.03S 450R	2,385,239.99	362,850.06	2,385,278.16	362,990.69
	835+05.03S 300L	2,385,956.92	362,587.12	2,385,995.14	362,727.91
	854+00S 300L	2,384,950.60	360,914.10	2,384,989.18	361,054.72
	854+00S 450R	2,384,307.92	361,300.63	2,384,346.42	361,441.10
	878+00S 300L	2,383,713.57	358,857.57	2,383,752.59	358,997.97
	890+50S 450R	2,382,426.63	358,172.94	2,382,465.81	358,313.09



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
900 TOWER CENTRE BLVD.,MORRISVILLE NC 27560
PH. 919-380-8200

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

REVISIONS							
DESCRIPTION	DATE	APPR.	DESCRIPTION	DATE	APPR.		

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

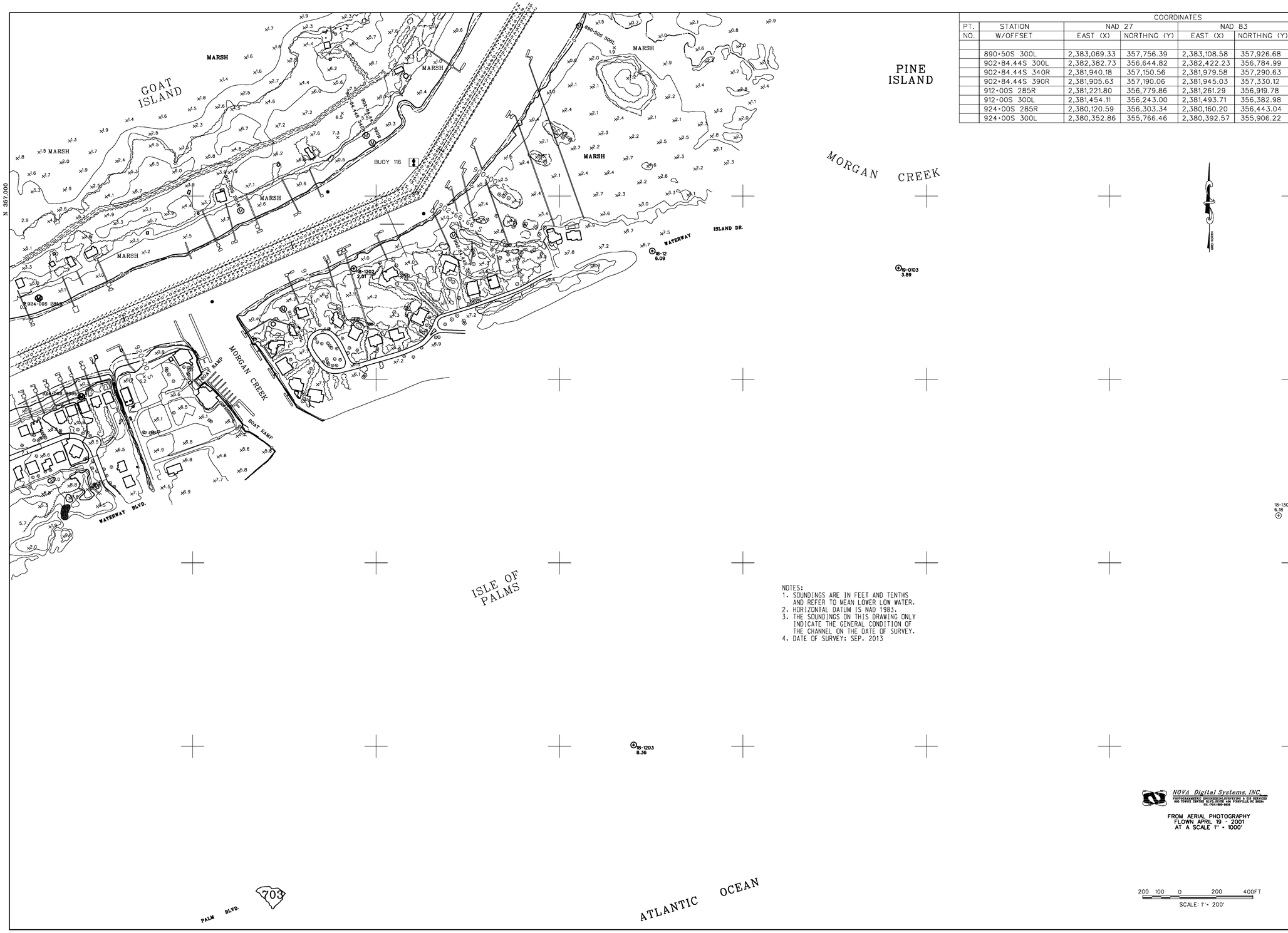
Designed by:
Drawn by: MRV
Checked by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

AWW, WINYAH BAY TO CHARLESTON
STA. 833+17S TO STA. 891+26S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 52 OF 62

WC-552.DGN



PT. NO.	STATION W/OFFSET	COORDINATES NAD 27 EAST (X)	NAD 27 NORTHING (Y)	NAD 83 EAST (X)	NAD 83 NORTHING (Y)
	890+50S 300L	2,383,069.33	357,756.39	2,383,108.58	357,926.68
	902+84.44S 300L	2,382,382.73	356,644.82	2,382,422.23	356,784.99
	902+84.44S 340R	2,381,940.18	357,150.56	2,381,979.58	357,290.63
	902+84.44S 390R	2,381,905.63	357,190.06	2,381,945.03	357,330.12
	912+00S 285R	2,381,221.80	356,779.86	2,381,261.29	356,919.78
	912+00S 300L	2,381,454.11	356,243.00	2,381,493.71	356,382.98
	924+00S 285R	2,380,120.59	356,303.34	2,380,160.20	356,443.04
	924+00S 300L	2,380,352.86	355,766.46	2,380,392.57	355,906.22

NOTES:
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2. HORIZONTAL DATUM IS NAD 1983.
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4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS MAPPING
400 TOWER CENTRE BLVD/PO BOX 2000 MOORESVILLE, NC 28054
PH. (704) 663 9600

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1" = 200'

US Army Corps of Engineers
Charleston District

MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION

Designed by:
Date: OCT. 2013
Rev:
Drawn by: MRV
Det by:
Design file no. 9508
Drawing Code:
Reviewed by:
Submitted by:
File name:
Plot date:
Dwg scale: 1" = 200'

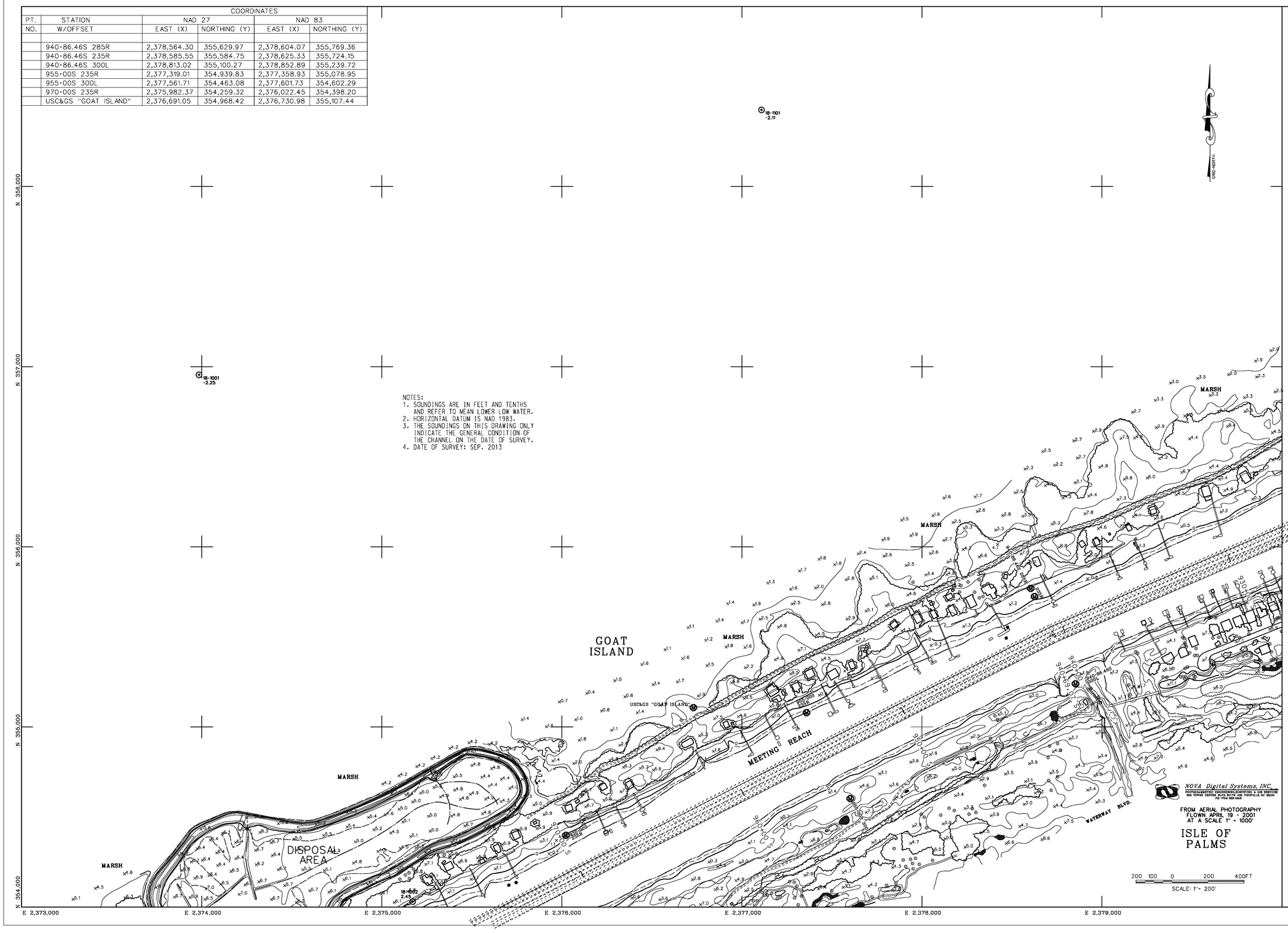
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 891+26S to STA. 926+80S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 53 OF 62

WC-553.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	940+86.46S 285R	2,378,564.30	355,629.97	2,378,604.07	355,769.36
	940+86.46S 235R	2,378,585.55	355,584.75	2,378,625.33	355,724.15
	940+86.46S 300L	2,378,813.02	355,100.27	2,378,852.89	355,239.72
	955+00S 235R	2,377,319.01	354,939.83	2,377,358.93	355,078.95
	955+00S 300L	2,377,561.71	354,463.08	2,377,601.73	354,602.29
	970+00S 235R	2,375,982.37	354,259.32	2,376,022.45	354,398.20
	USC&GS "GOAT ISLAND"	2,376,691.05	354,968.42	2,376,730.98	355,107.44



NOTES:
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4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
600 TOWNE CENTRE BLVD, SUITE 400 FINEVILLE, NC 28134
PH. (704) 889-0616

FROM AERIAL PHOTOGRAPHY FLOWN APRIL 19 - 2001 AT A SCALE 1" = 1000'

ISLE OF PALMS

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPRV.	MARK	DESCRIPTION	DATE	APPRV.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

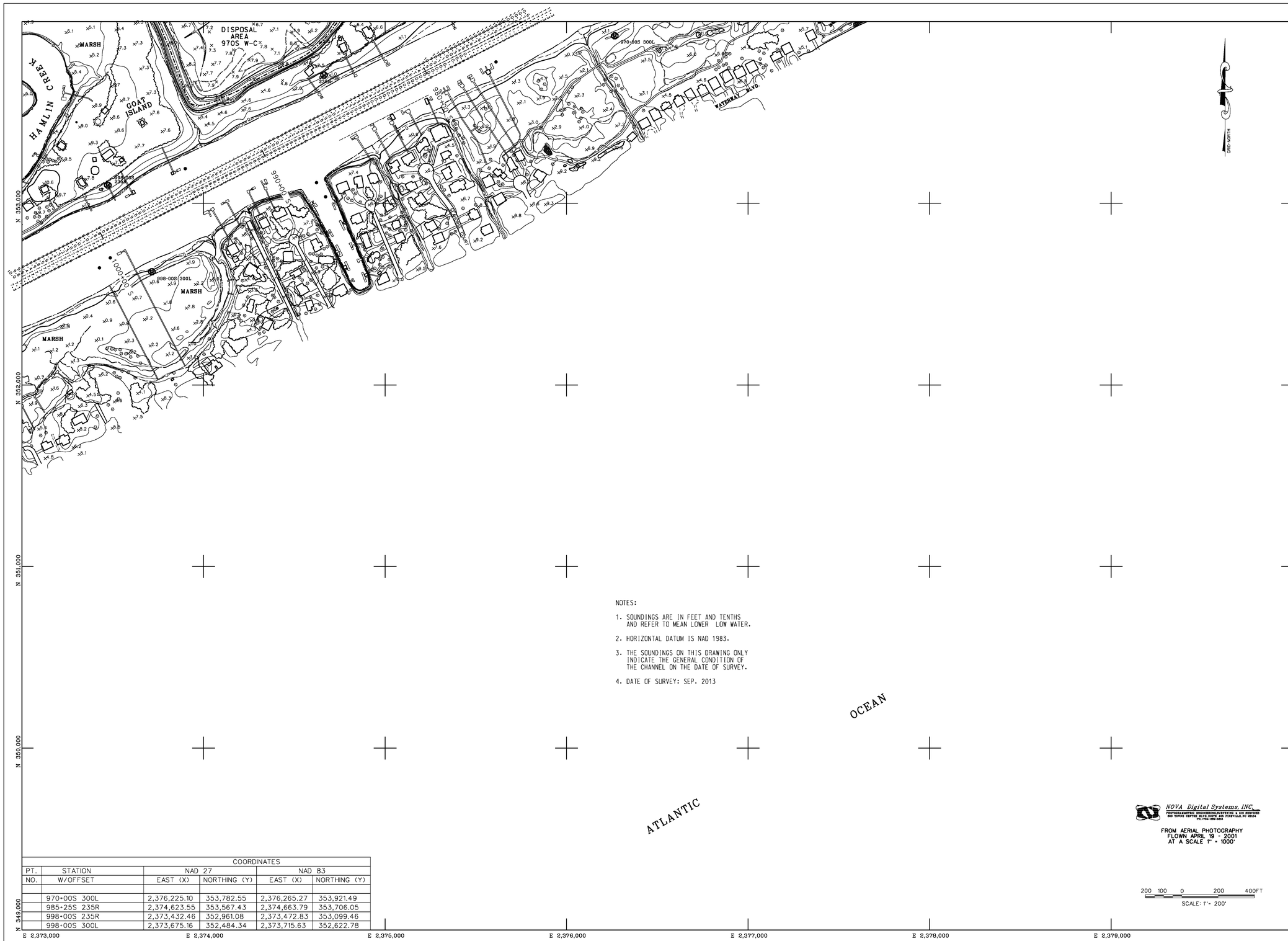
Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rec.
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

AIWW, WINYAH BAY TO CHARLESTON
STA. 926+80S TO STA. 973+99S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 54 OF 62

WC-S54.DGN



NOTES:

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2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	970+00S 300L	2,376,225.10	353,782.55	2,376,265.27	353,921.49
	985+25S 235R	2,374,623.55	353,567.43	2,374,663.79	353,706.05
	998+00S 235R	2,373,432.46	352,961.08	2,373,472.83	353,099.46
	998+00S 300L	2,373,675.16	352,484.34	2,373,715.63	352,622.78

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
800 THREE CENTRE PLAZA DR. FAYETTEVILLE, NC 28304
PH.(704)-889-8400

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

US Army Corps of Engineers
Charleston District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

Designed by:
Date: OCT 2013 Rev:
Drawn by: MRV Det by:
Drawing file no. 9508
Reviewed by:
Drawing Code:
Submitted by:
File name:
Plot date:
Dwg scale: 1" = 200'

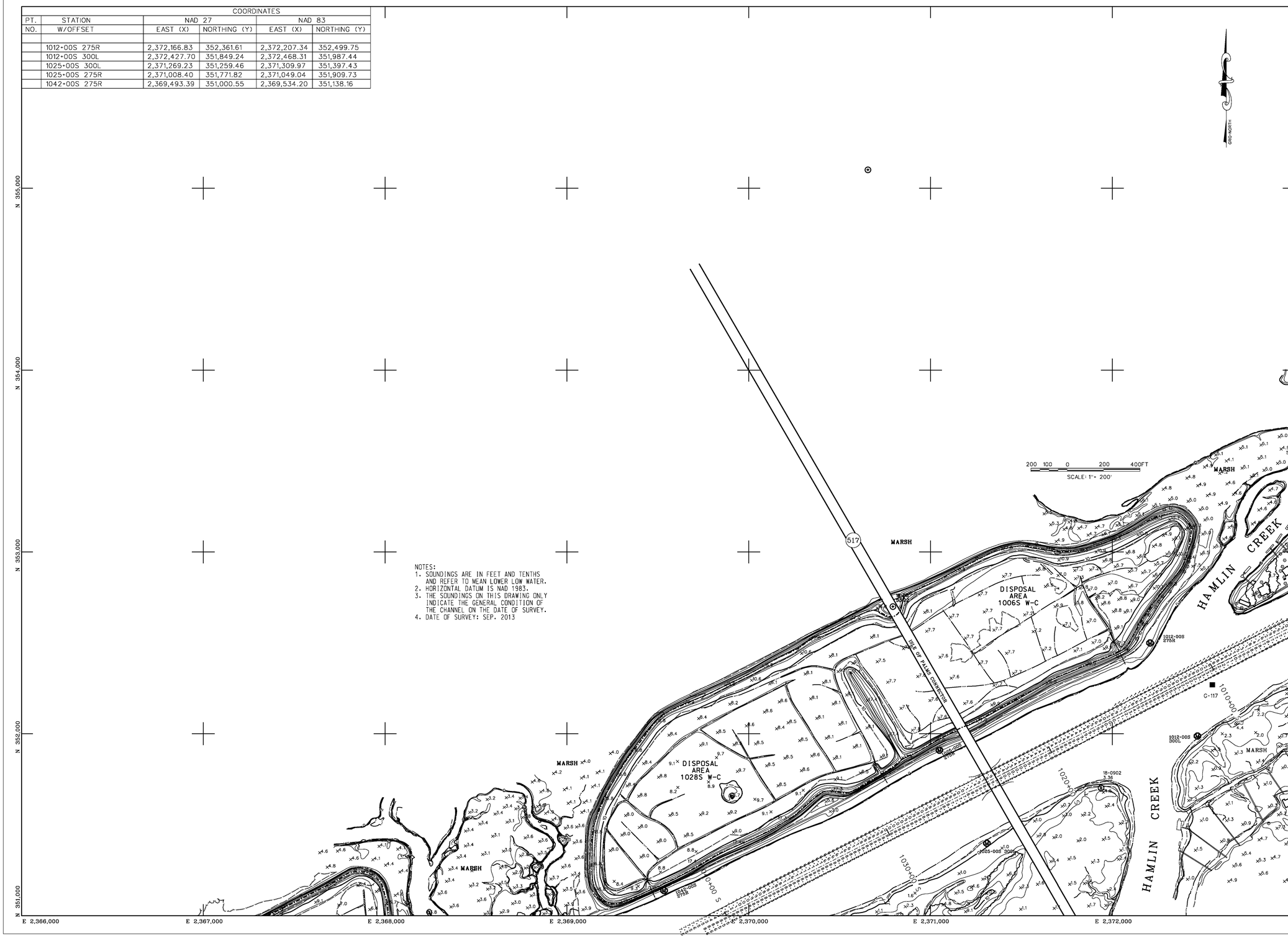
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA.973+99S TO STA 1004+94S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 55 OF 62

WC-555.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1012+00S 275R	2,372,166.83	352,361.61	2,372,207.34	352,499.75
	1012+00S 300L	2,372,427.70	351,849.24	2,372,468.31	351,987.44
	1025+00S 300L	2,371,269.23	351,259.46	2,371,309.97	351,397.43
	1025+00S 275R	2,371,008.40	351,771.82	2,371,049.04	351,909.73
	1042+00S 275R	2,369,493.39	351,000.55	2,369,534.20	351,138.16



NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
2. HORIZONTAL DATUM IS NAD 1983.
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

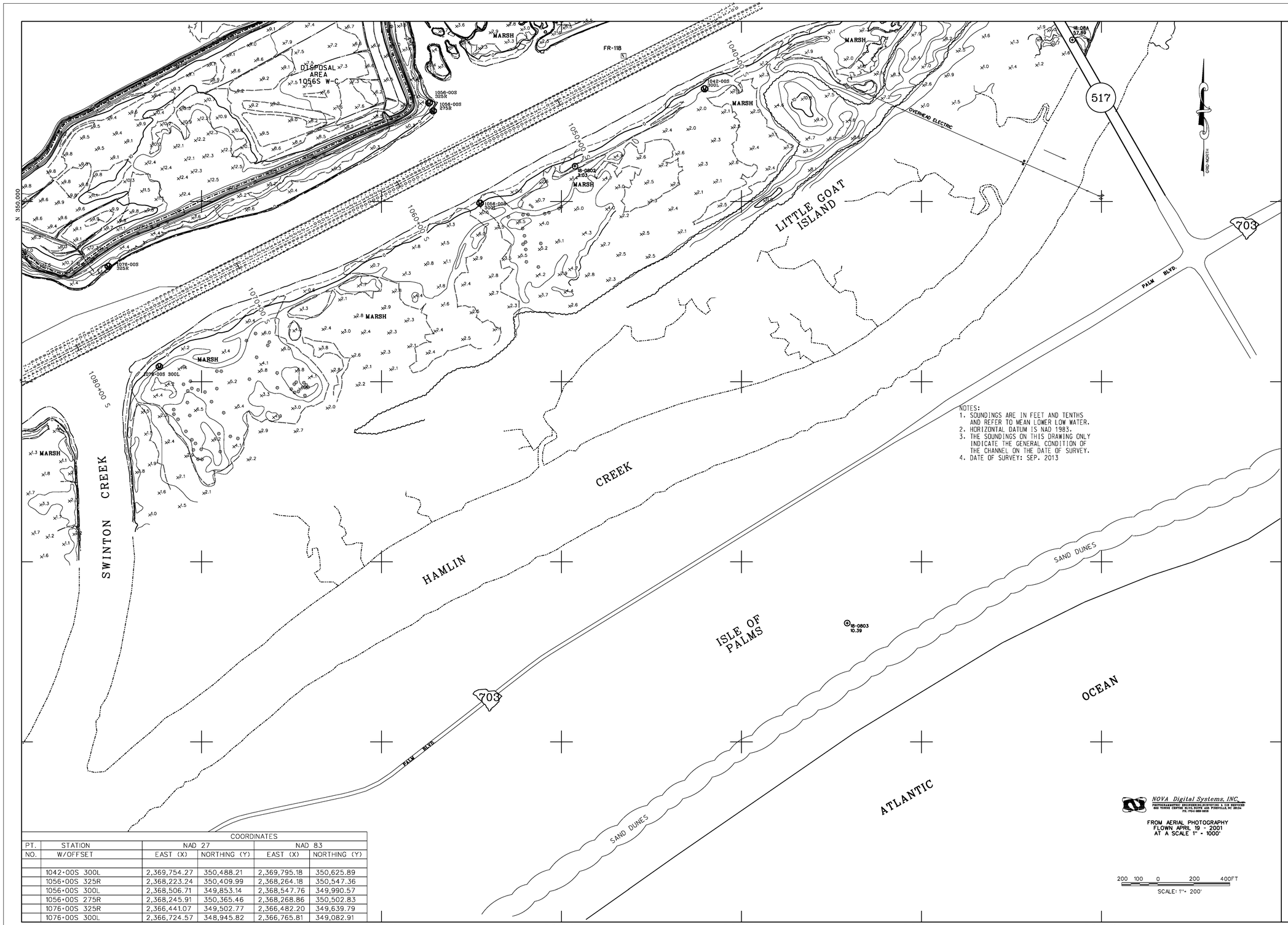
Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

AIWW, WINYAH BAY TO CHARLESTON
STA 1004+94S TO STA.1040+09S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 56 OF 62

WC-556.DGN



NOTES:
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3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING,SURVEYING & GIS SERVICES
600 TOWNE CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-8505

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

COORDINATES

PT. NO.	STATION W/OFFSET	NAD 27 EAST (X)	NAD 27 NORTHING (Y)	NAD 83 EAST (X)	NAD 83 NORTHING (Y)
	1042+00S 300L	2,369,754.27	350,488.21	2,369,795.18	350,625.89
	1056+00S 325R	2,368,223.24	350,409.99	2,368,264.18	350,547.36
	1056+00S 300L	2,368,506.71	349,853.14	2,368,547.76	349,990.57
	1056+00S 275R	2,368,245.91	350,365.46	2,368,268.86	350,502.83
	1076+00S 325R	2,366,441.07	349,502.77	2,366,482.20	349,639.79
	1076+00S 300L	2,366,724.57	348,945.82	2,366,765.81	349,082.91

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPRV.	MARK	DESCRIPTION	DATE	APPRV.

Designed by:
Drawn by: MRV
Ckd by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA.1040+09S TO 1083+50S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 57 OF 62

WC-S57.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1088+00S 300L	2,365,655.22	348,401.39	2,365,696.57	348,538.27
	1088+00S 280R	2,365,392.09	348,918.23	2,365,433.35	349,055.05
	1105+00S 280R	2,363,877.23	348,147.00	2,363,918.65	348,283.53
	1105+00S 300L	2,364,140.31	347,630.16	2,364,181.83	347,766.75
	1117+00S 300L	2,363,071.07	347,085.83	2,363,112.70	347,222.22
	1117+00S 280R	2,362,807.97	347,602.69	2,362,849.50	347,739.02
	1132+00S 280R	2,361,471.27	346,922.08	2,361,512.94	347,058.15
	1132+00S 350R	2,361,439.50	346,984.47	2,361,481.16	347,120.53

NOTES:
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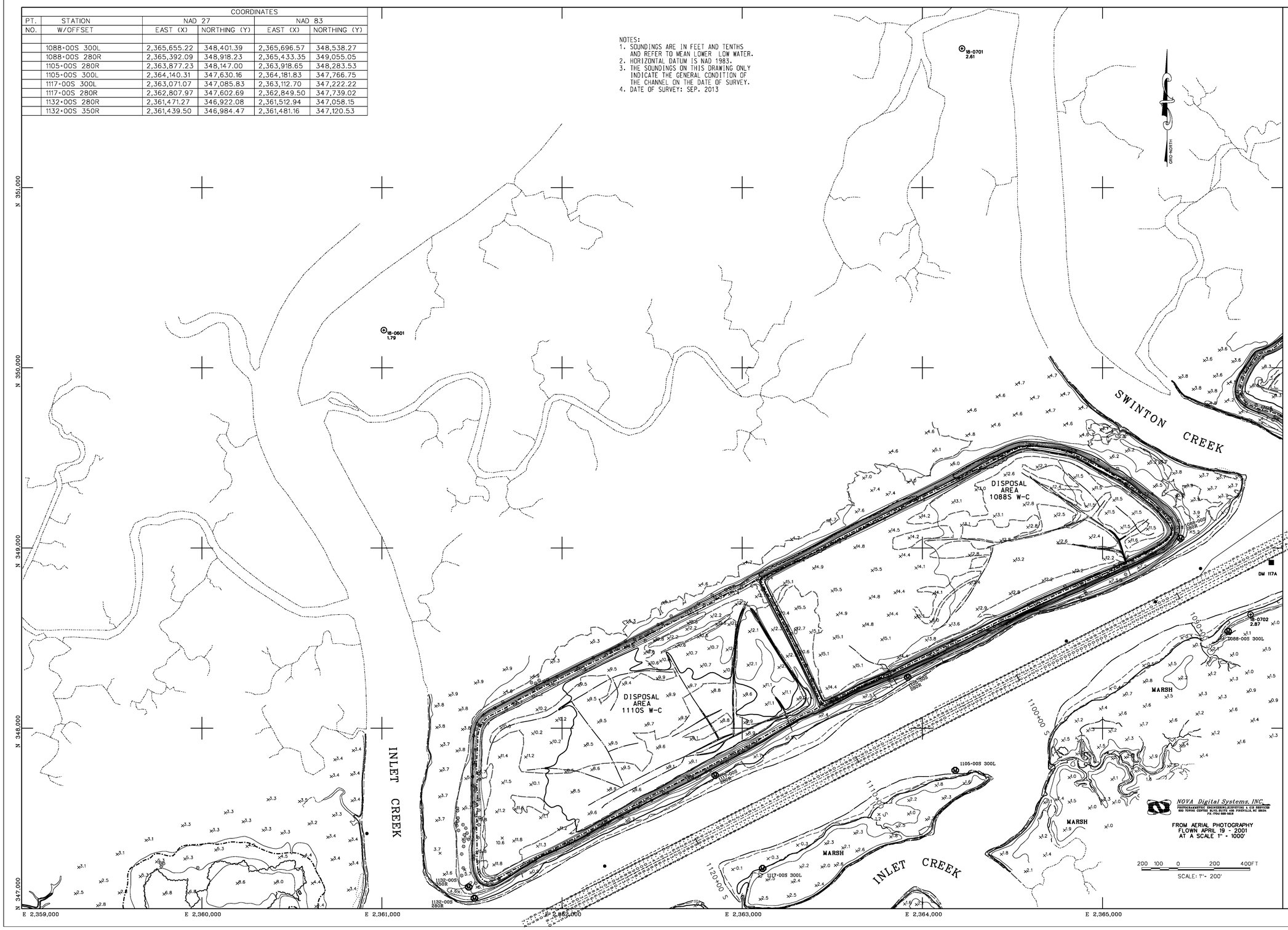
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013



US Army Corps of Engineers
Charleston District

MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION

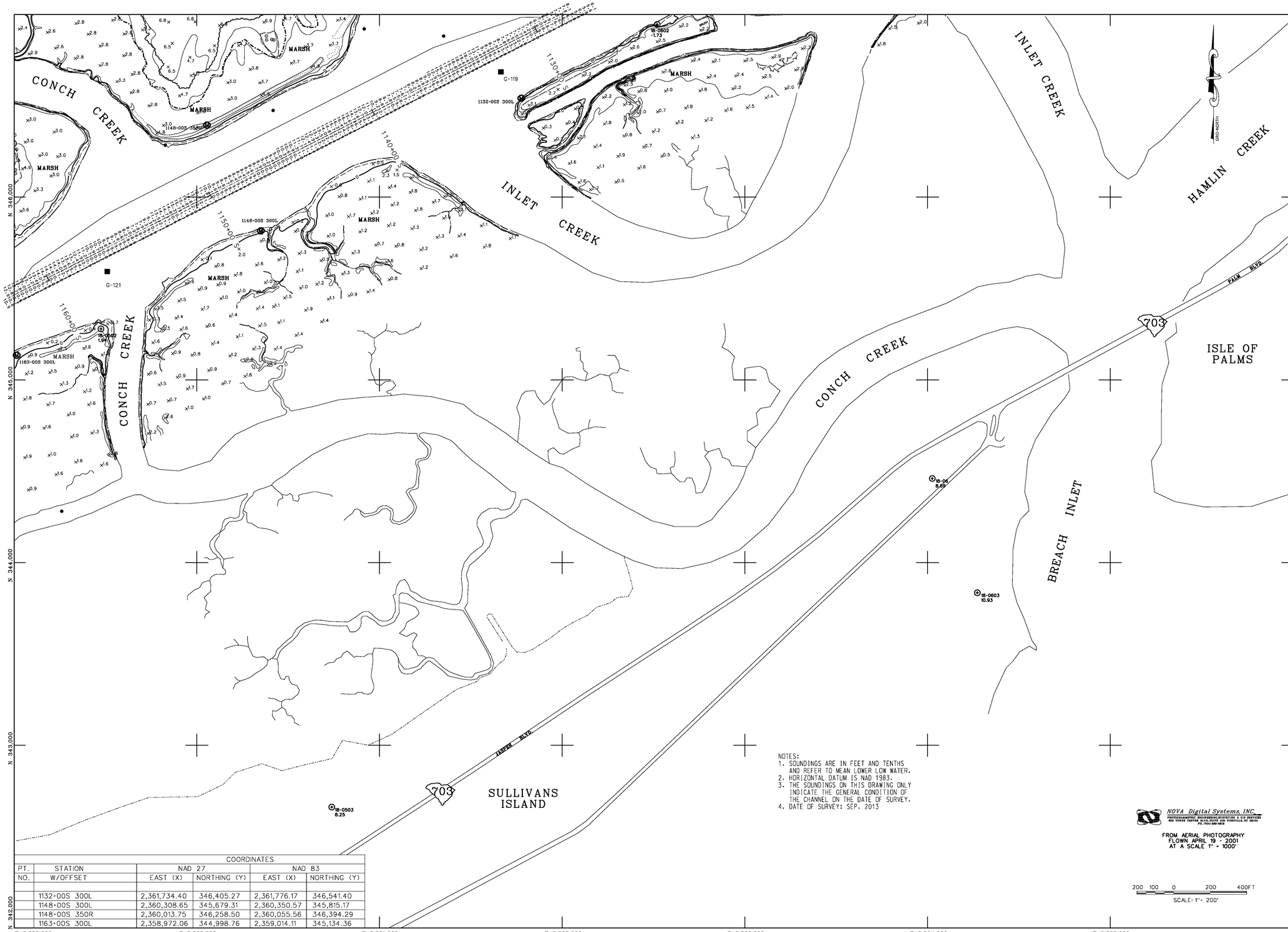
Designed by:
Date: OCT. 2013
Rev:
Drawn by: MRV
Cad by:
Design file #: 9508
Reviewed by:
Drawing Code:
Submitted by:
File name: WC-558.DGN
Dwg scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA.1083+50S TO 1128+22S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 58 OF 62

WC-558.DGN



NOTES:
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2. HORIZONTAL DATUM IS NAD 1983.
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4. DATE OF SURVEY: SEP. 2013

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1132+00S 300L	2,361,734.40	346,405.27	2,361,776.17	346,541.40
	1148+00S 300L	2,360,308.65	345,679.31	2,360,350.57	345,815.17
	1148+00S 350R	2,360,013.75	346,258.50	2,360,055.56	346,394.29
	1163+00S 300L	2,358,972.06	344,998.76	2,359,014.11	345,134.36

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
800 TRYON CENTER BLVD, SUITE 400 FORSYTH, NC 28104
PH: (704) 588-5610

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" - 1000'

200 100 0 200 400FT
SCALE: 1"- 200'

US Army Corps of Engineers
Charleston District

MARK	DATE	DESCRIPTION	MARK	DATE	DESCRIPTION

Designed by:
Drawn by: MRV
Det by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name
Dwg scale: 1" = 200'

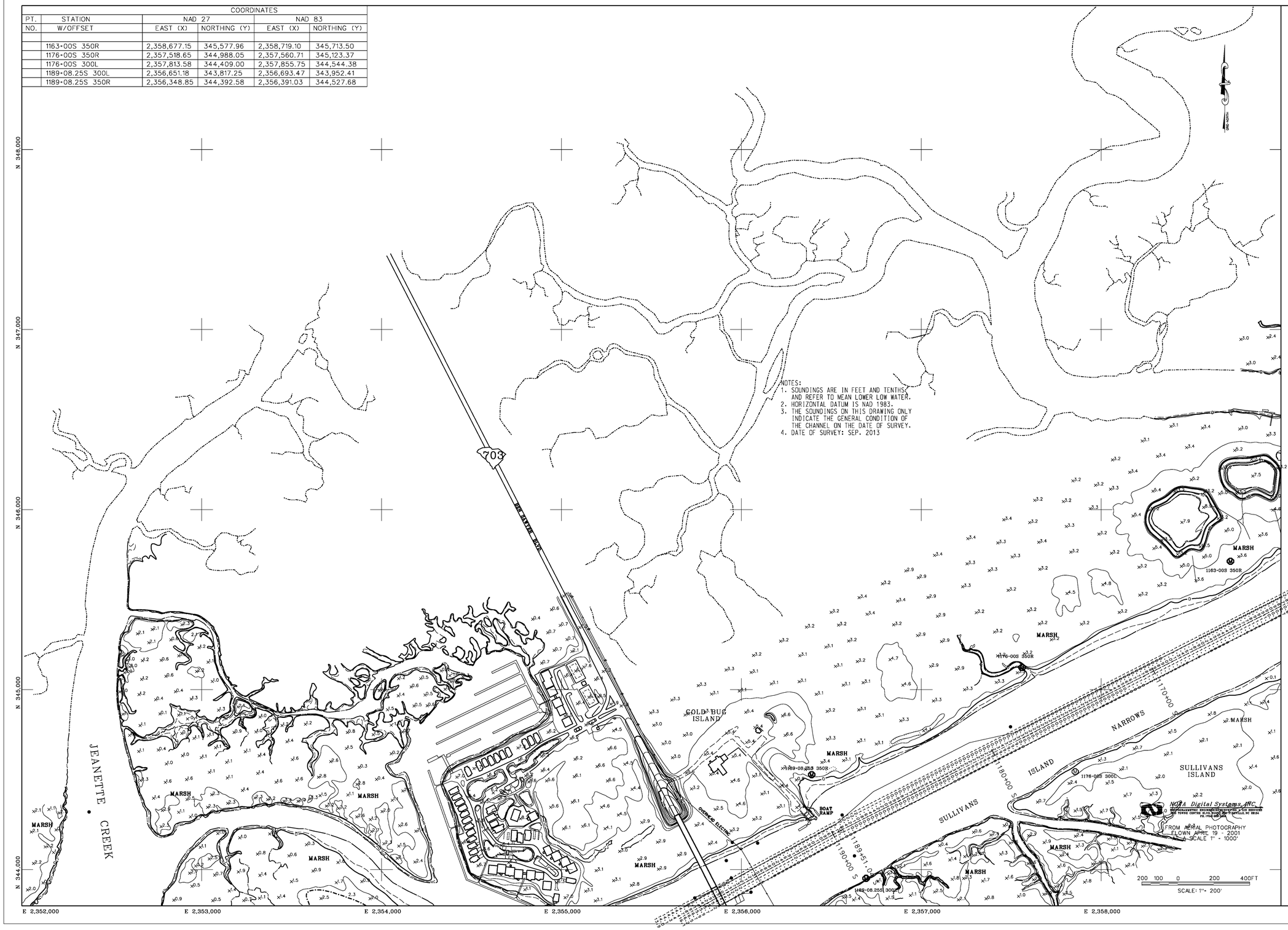
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA.1128+22S TO 1162+06S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 59 OF 62

WC-559.DGN

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1163+00S 350R	2,358,677.15	345,577.96	2,358,719.10	345,713.50
	1176+00S 350R	2,357,518.65	344,988.05	2,357,560.71	345,123.37
	1176+00S 300L	2,357,813.58	344,409.00	2,357,855.75	344,544.38
	1189+08.25S 300L	2,356,651.18	343,817.25	2,356,693.47	343,952.41
	1189+08.25S 350R	2,356,348.85	344,392.58	2,356,391.03	344,527.68



NOTES:
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4. DATE OF SURVEY: SEP. 2013

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPRV.	DESCRIPTION	DATE	APPRV.

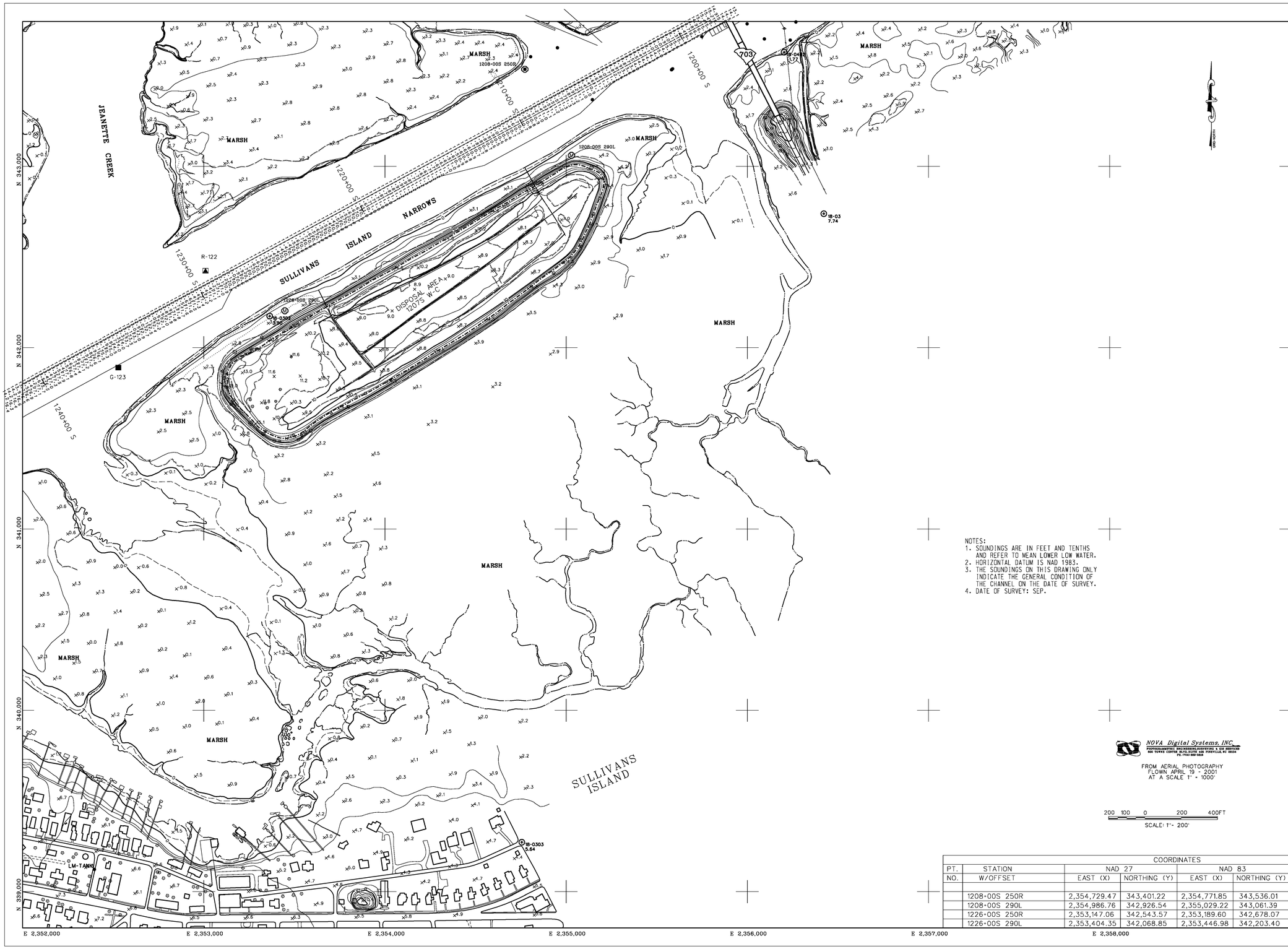
Designed by:
Drawn by: MRV
Checked by:
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Design file no. 9508
Drawing Code:
File name: 9508.dgn
Plot scale: 1" = 200'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 1162+06S TO STA. 1198+28S
9508
GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 60 OF 62

WC-S60.DGN



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4. DATE OF SURVEY: SEP.

NOVA Digital Systems, INC.
PHOTOGRAMMETRIC ENGINEERING/SURVEYING & GIS SERVICES
800 TOWNE CENTRE BLVD, SUITE 400 PINEVILLE, NC 28134
PH. (704) 889-9858

FROM AERIAL PHOTOGRAPHY
FLOWN APRIL 19 - 2001
AT A SCALE 1" = 1000'

200 100 0 200 400FT
SCALE: 1"= 200'

COORDINATES					
PT.	STATION	NAD 27		NAD 83	
NO.	W/OFFSET	EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1208+00S 250R	2,354,729.47	343,401.22	2,354,771.85	343,536.01
	1208+00S 290L	2,354,986.76	342,926.54	2,355,029.22	343,061.39
	1226+00S 250R	2,353,147.06	342,543.57	2,353,189.60	342,678.07
	1226+00S 290L	2,353,404.35	342,068.85	2,353,446.98	342,203.40

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

Designed by:
Drawn by: MRV
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Reviewed by:
Submitted by:
Date: OCT. 2013
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Design file no: 9508
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File name:
Plot date:
Dwg scale: 1" = 200'

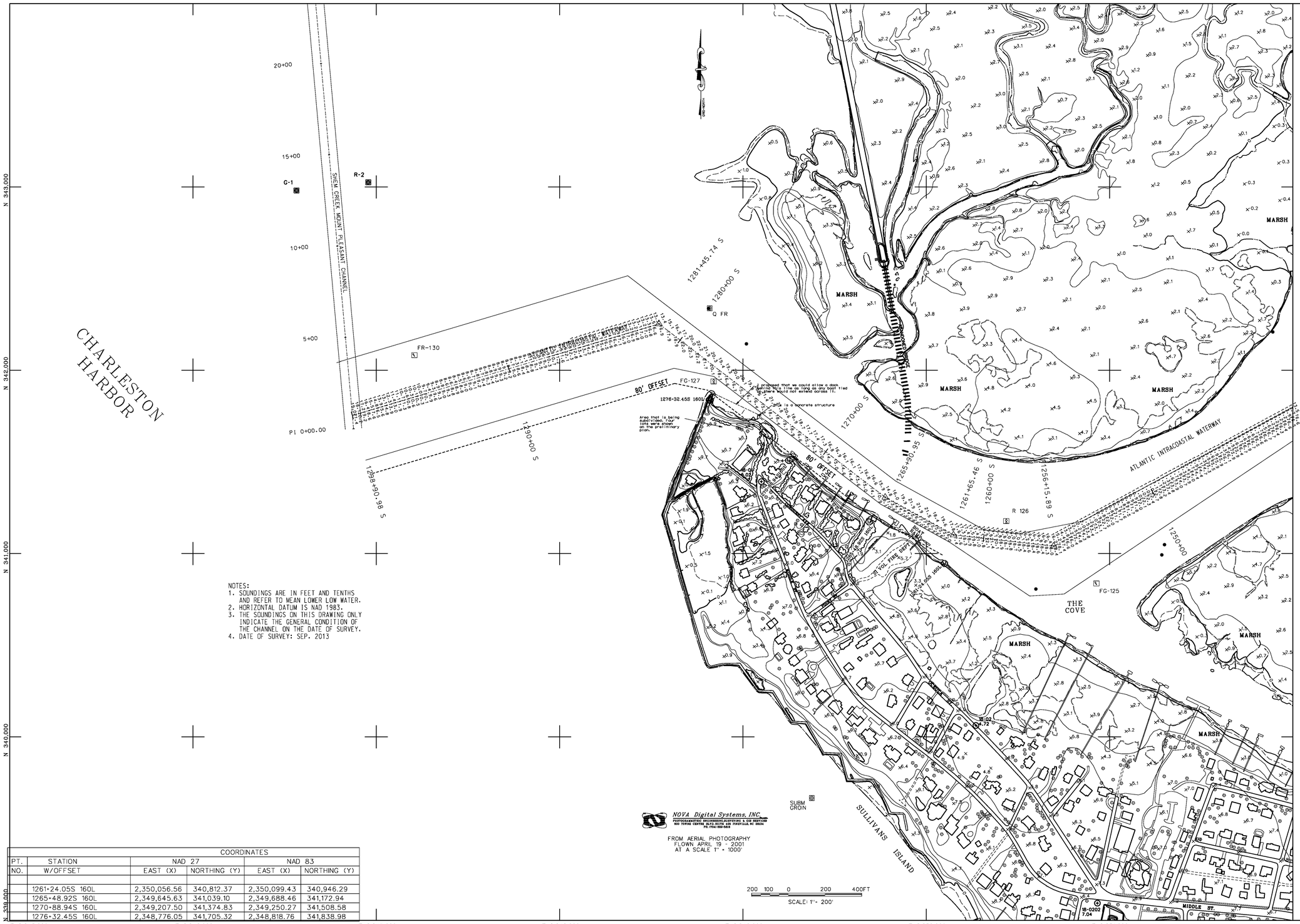
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

AIWW, WINYAH BAY TO CHARLESTON
STA. 1198+28S TO STA. 1241+31S
9508
GEORGETOWN,CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 61 OF 62

WC-S61.DGN



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3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
4. DATE OF SURVEY: SEP. 2013

PT. NO.	STATION W/OFFSET	COORDINATES NAD 27 EAST (X)	NAD 27 NORTHING (Y)	NAD 83 EAST (X)	NAD 83 NORTHING (Y)
	1261+24.05S 160L	2,350,056.56	340,812.37	2,350,099.43	340,946.29
	1265+48.92S 160L	2,349,645.63	341,039.10	2,349,688.46	341,172.94
	1270+88.94S 160L	2,349,207.50	341,374.83	2,349,250.27	341,508.58
	1276+32.45S 160L	2,348,776.05	341,705.32	2,348,818.76	341,838.98

US Army Corps of Engineers
Charleston District

DESCRIPTION	DATE	APPR.	DESCRIPTION	MARK	DATE	APPR.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHARLESTON, SOUTH CAROLINA

Designed by:
Drawn by: MRV
Reviewed by:
Submitted by:
Date: OCT. 2013
Rev:
Oct. by:
Design file no. 9508
Drawing Code:
File name:
Plot date:
Dwg scale: 1" = 200'

AWW WINYAH BAY TO CHARLESTON
STA. 1241+31S TO STA. 1298+91S
9508
GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER
SHEET 62 OF 62

WC-562.DGN