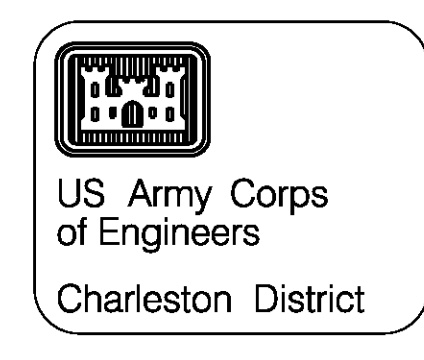


- NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
  2. HORIZONTAL DATUM IS SC STATE PLANE COORDINATES NAD 1983.
  3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
  4. DATE OF SURVEY: 10, 17 OCT, 1, 5, 6, 7, 15, 16 NOV. CONDITION
  5. THE POSITIONS OF THE AIDS TO NAVIGATION ON THESE SHEETS ARE FROM OLDER SURVEYS AND MAY NOT BE ACCURATE.



NO.	DATE	DESCRIPTION	BY	DATE	DESCRIPTION
No. 1	Apr 1	Issue Block Description 1	APR 1	APR 1	APR 1
No. 2	Apr 2	Issue Block Description 2	APR 2	APR 2	APR 2
No. 3	Apr 3	Issue Block Description 3	APR 3	APR 3	APR 3
No. 4	Apr 4	Issue Block Description 4	APR 4	APR 4	APR 4
No. 5	Apr 5	Issue Block Description 5	APR 5	APR 5	APR 5
No. 6	Apr 6	Issue Block Description 6	APR 6	APR 6	APR 6
No. 7	Apr 7	Issue Block Description 7	APR 7	APR 7	APR 7
No. 8	Apr 8	Issue Block Description 8	APR 8	APR 8	APR 8
No. 9	Apr 9	Issue Block Description 9	APR 9	APR 9	APR 9
No. 10	Apr 10	Issue Block Description 10	APR 10	APR 10	APR 10
No. 11	Apr 11	Issue Block Description 11	APR 11	APR 11	APR 11
No. 12	Apr 12	Issue Block Description 12	APR 12	APR 12	APR 12
No. 13	Apr 13	Issue Block Description 13	APR 13	APR 13	APR 13
No. 14	Apr 14	Issue Block Description 14	APR 14	APR 14	APR 14
No. 15	Apr 15	Issue Block Description 15	APR 15	APR 15	APR 15
No. 16	Apr 16	Issue Block Description 16	APR 16	APR 16	APR 16
No. 17	Apr 17	Issue Block Description 17	APR 17	APR 17	APR 17
No. 18	Apr 18	Issue Block Description 18	APR 18	APR 18	APR 18
No. 19	Apr 19	Issue Block Description 19	APR 19	APR 19	APR 19
No. 20	Apr 20	Issue Block Description 20	APR 20	APR 20	APR 20

DATE	NOV 2012
DESIGN NO.	9466
DRAWING CODE	
BY	
DATE	
SCALE	1" = 800'

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

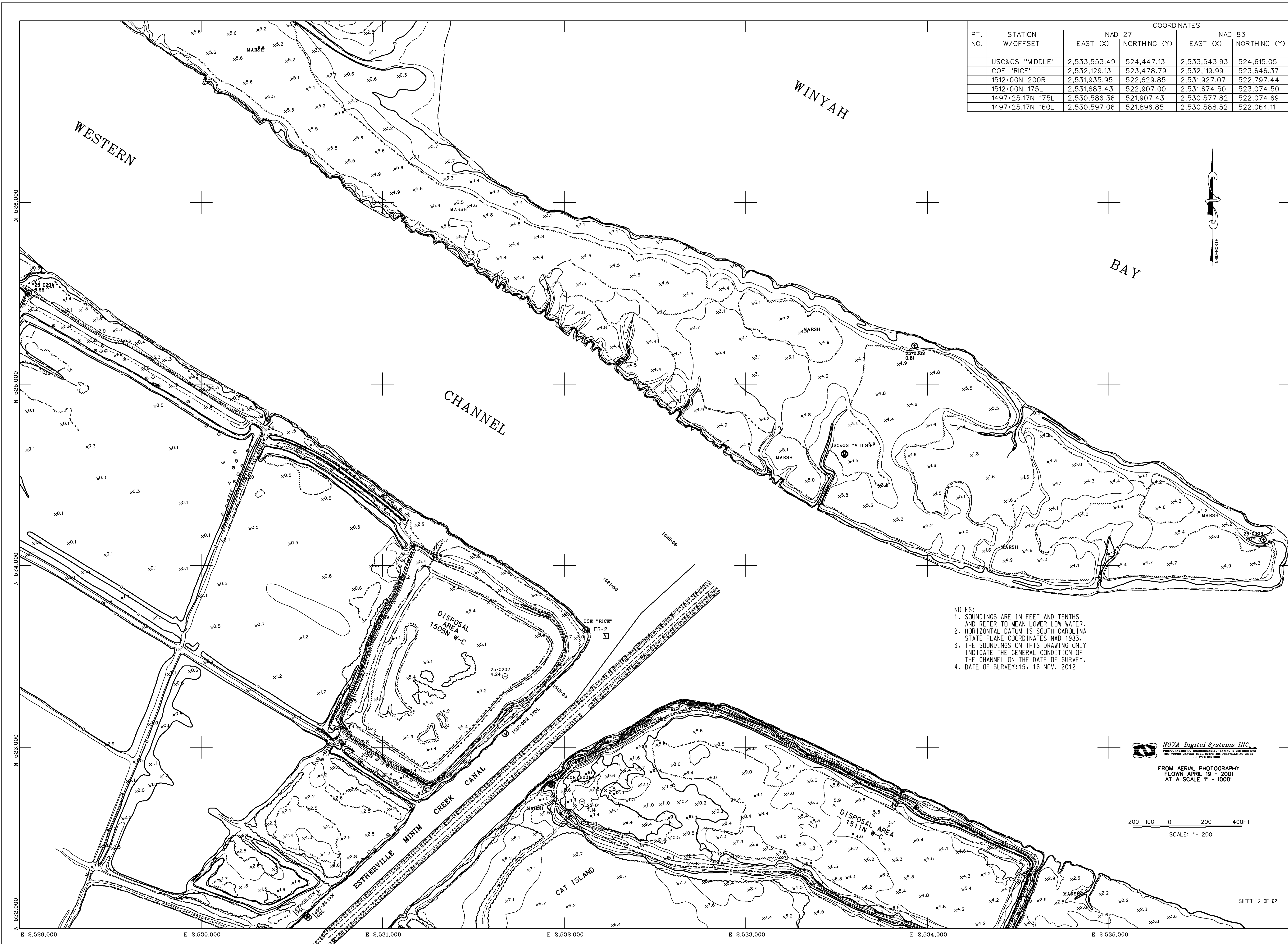
AWW, WINYAH BAY TO CHARLESTON  
PROFILE LINES  
9466  
GEORGETOWN, CHARLESTON, COUNTIES, SOUTH CAROLINA

Submitted by: \_\_\_\_\_  
Chief, Navigation Section

Approval Recommended: \_\_\_\_\_  
Chief, Construction-Operations Branch

Approved by: \_\_\_\_\_  
Chief, Technical Services Division

SHEET 1 OF 62



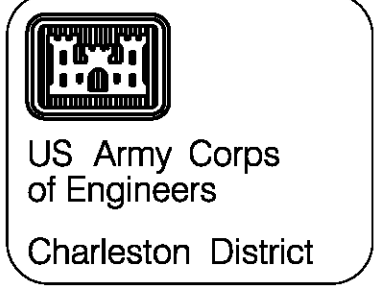
PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	USC&GS "MIDDLE"	2,533,553.49	524,447.13	2,533,543.93	524,615.05
	COE "RICE"	2,532,129.13	523,478.79	2,532,119.99	523,646.37
	1512-00N 200R	2,531,935.95	522,629.85	2,531,927.07	522,797.44
	1512-00N 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

**NOVA Digital Systems, INC.**  
 PHOTOGRAMMETRIC DIGITIZATION, SURVEYING, GIS SERVICES  
 460 BYRD CENTER DRIVE, FLORENCE, SOUTH CAROLINA 29506  
 (803) 688-3838  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

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

SHEET 2 OF 62



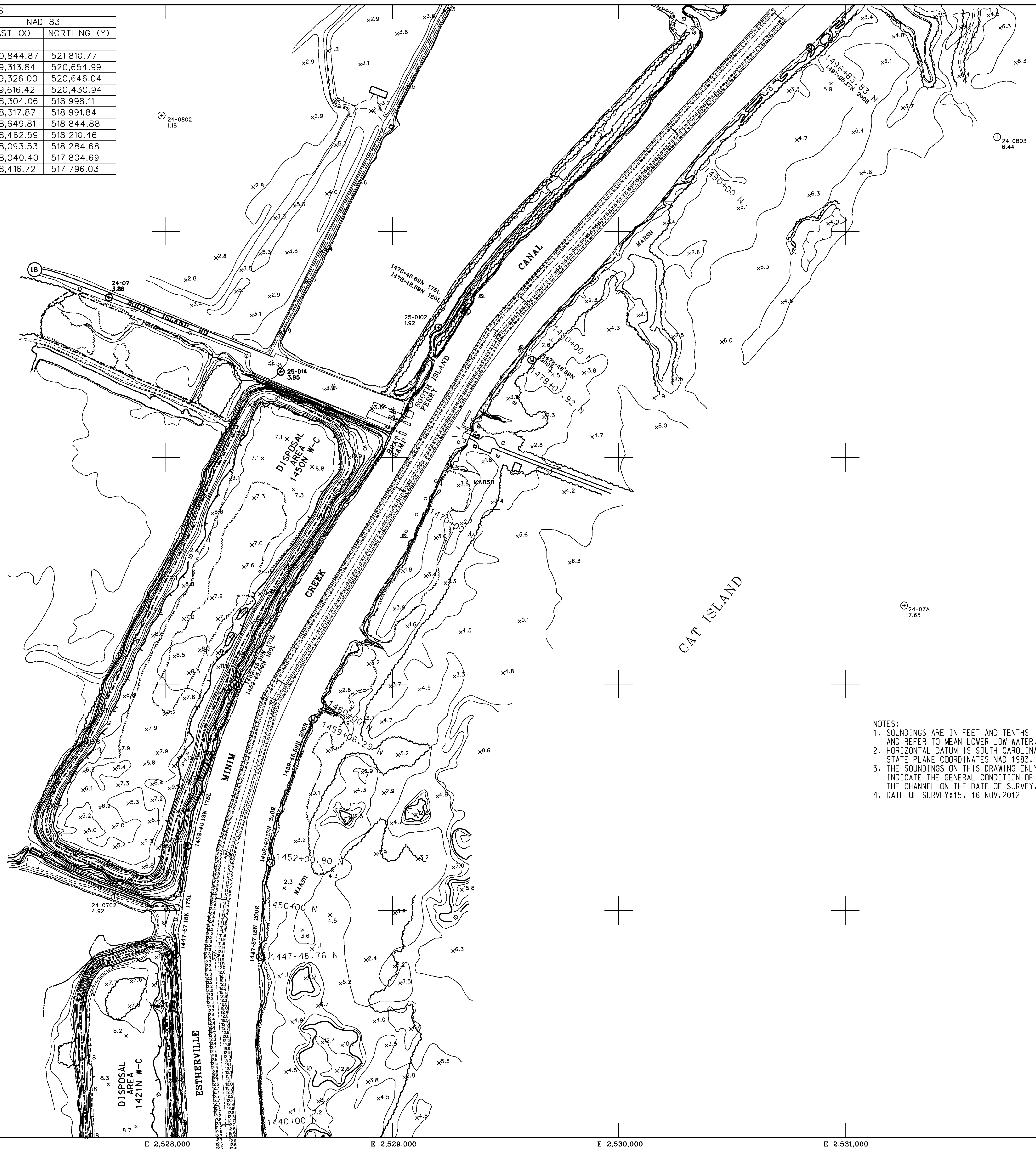
DATE	APP'D.	DESCRIPTION

Designed by: MRY	Drawn by: MRY	Checked by: MRY	Date: NOV 2012
U.S. ARMY ENGINEERS DISTRICT OF ENGINEERS CHARLESTON SOUTH CAROLINA			Design No: 9456
AWW, WINYAH BAY TO CHARLESTON STA. 1497+65N TO 1525+59N			Sheet No: 1 of 62

AWW, WINYAH BAY TO CHARLESTON  
 STA. 1497+65N TO 1525+59N  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 2 OF 62

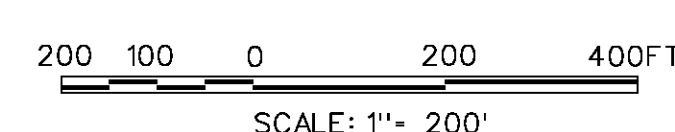
PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
1497+25.17N	200R	2,530,853.36	521,643.41	2,530,844.87	521,810.77
1478+48.89N	175L	2,529,321.85	520,487.99	2,529,313.84	520,654.99
1478+48.89N	160L	2,529,334.01	520,479.03	2,529,326.00	520,646.04
1478+48.89N	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



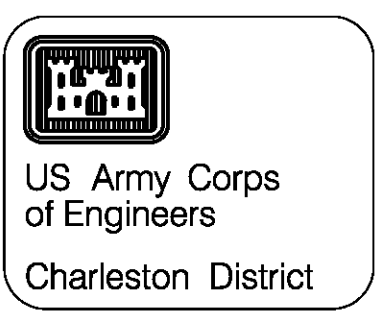
NOTES:  
 1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.  
 2. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATES NAD 1983.  
 3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.  
 4. DATE OF SURVEY: 15, 16 NOV. 2012

**NOVA Digital Systems, INC.**  
 HYDROGRAPHIC SURVEYS DIVISION - 4800 BRIDGE  
 AND TOWER CENTER, CHARLOTTE, NORTH CAROLINA 28208  
 704.366.8000

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



SHEET 3 OF 62



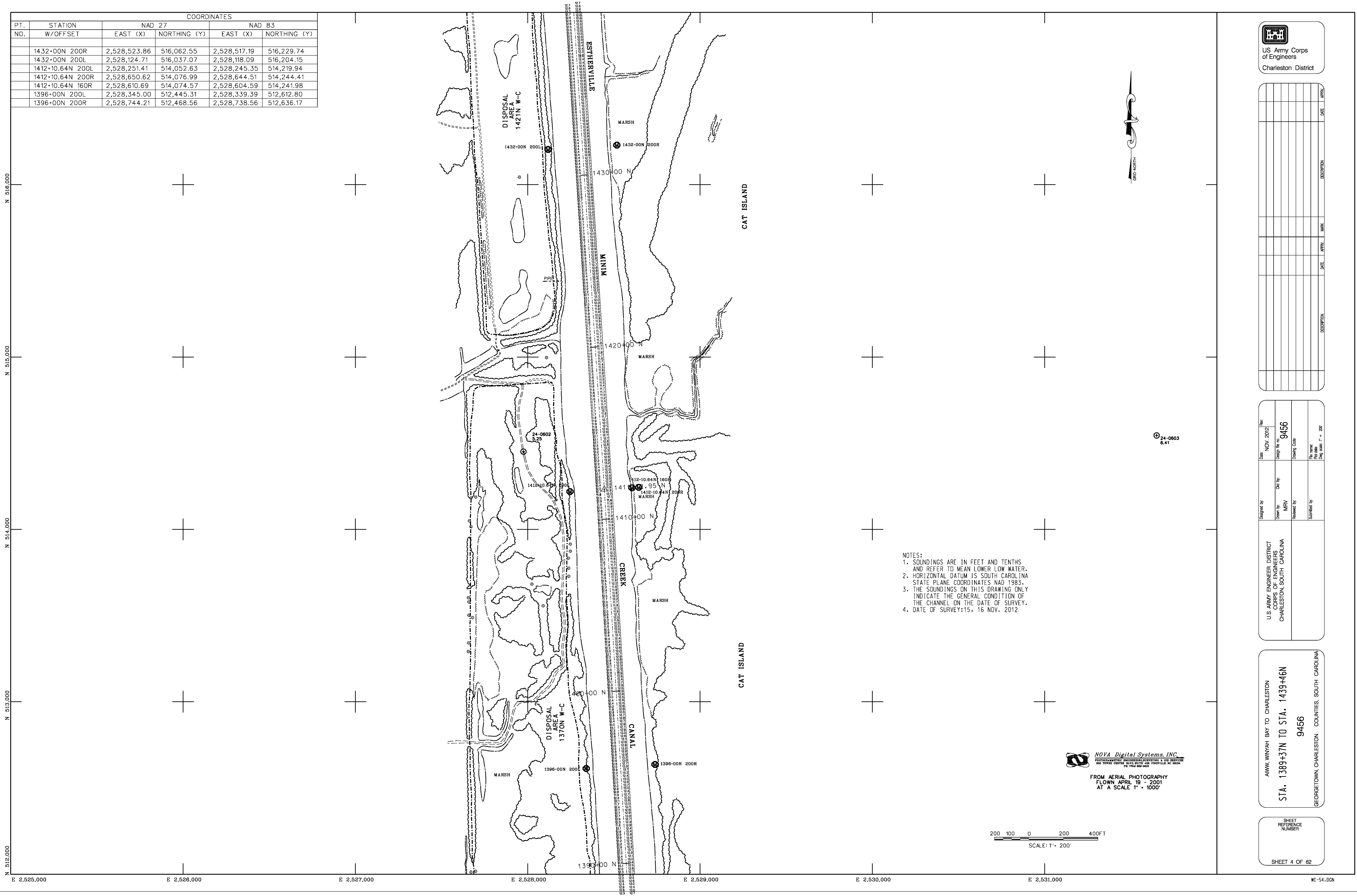
DATE	APPROV.	DESCRIPTION

Drawn by: MARY	Checked by: MARY	Date: NOV 2012	No: 9456
Designed by: MARY	Reviewed by: MARY	Project No: 9456	Drawn Code:
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON SOUTH CAROLINA		Date: NOV 2012	No: 9456
AWM WINNAH BAY TO CHARLESTON		Date: NOV 2012	No: 9456

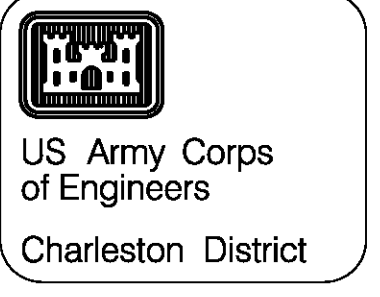
AWM WINNAH BAY TO CHARLESTON  
 STA. 1439+46N TO STA. 1497+65N  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 3 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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:  
 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



DATE	DESCRIPTION

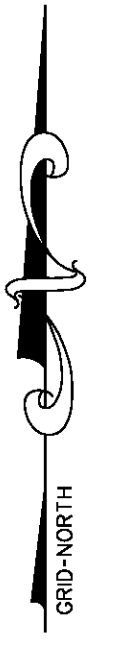
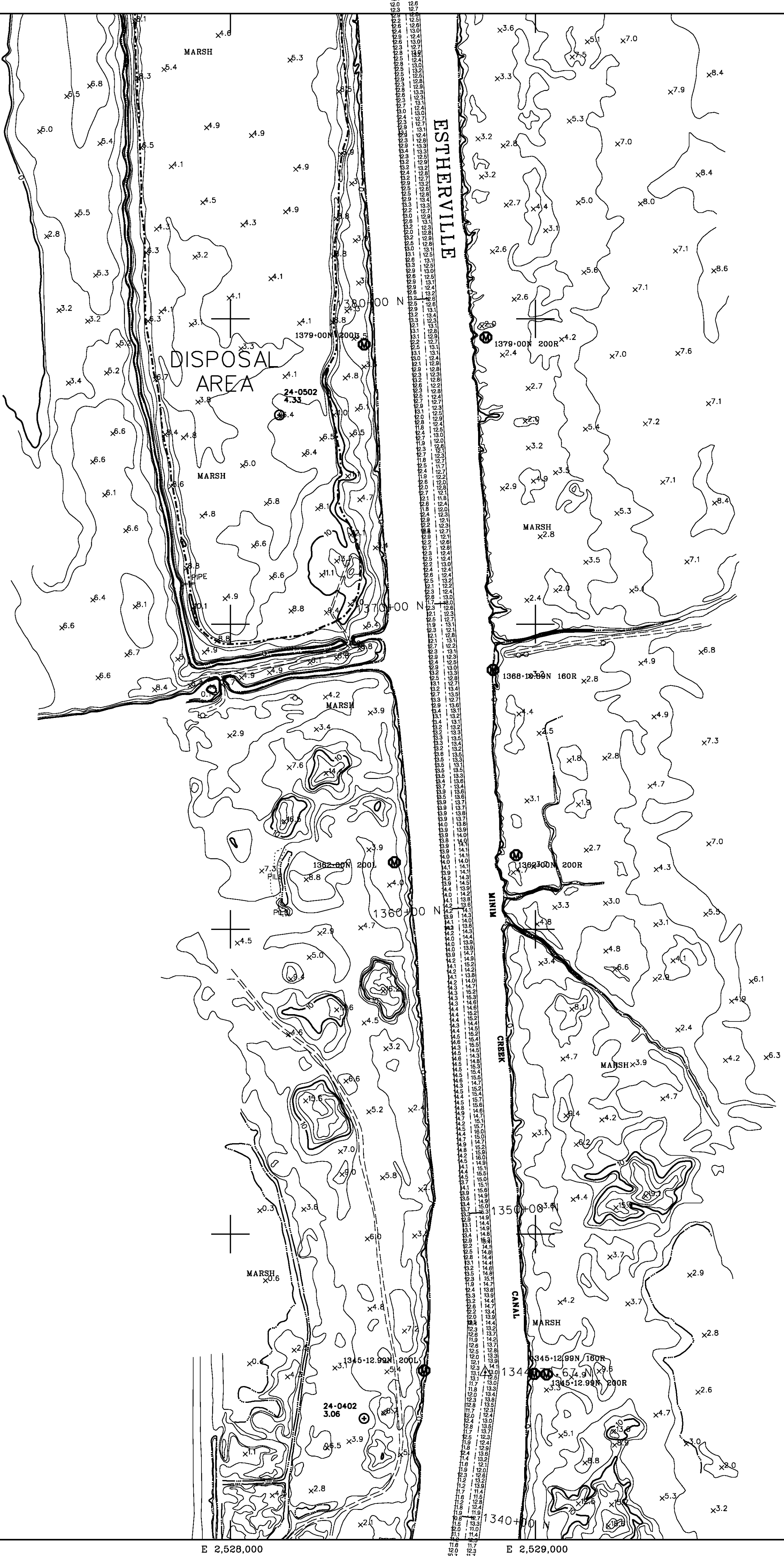
Designed by MRY	Checked by MRY	Date NOV. 2012	Drawn by 9456
Discussed by	Reviewed by	Discussed by	Reviewed by

AWM WYVAH BAY TO CHARLESTON  
 STA. 1389+37N TO STA. 1439+46N  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 4 OF 82

WC-54-DCN

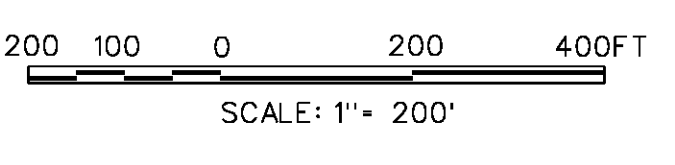
PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1379+00N 200L	2,528,443.51	510,748.39	2,528,438.38	510,916.07
	1379+00N 200R	2,528,842.81	510,771.59	2,528,837.64	510,939.38
	1368+10.89N 160R	2,528,865.94	509,682.30	2,528,861.08	509,850.20
	1362+00N 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



CAT ISLAND

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

**NOVA Digital Systems, INC.**  
 PHOTOGRAMMETRIC PROCESSING, POSITIVE & CO. SERVICES  
 600 WEST SOUTH ST., SUITE 200, CHARLESTON, SC 29401  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'



US Army Corps of Engineers  
 Charleston District

NOV 2012  
 Design No. 9456  
 Drawn By MEV  
 Reviewed By  
 Checked By  
 Date 15, 16 NOV. 2012  
 Scale 1" = 200'

AWW WINVAH BAY TO CHARLESTON  
 STA. 1339+25N TO STA. 1389+37N  
 9456  
 GEORGETOWN, CHARLESTON, COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 5 OF 62

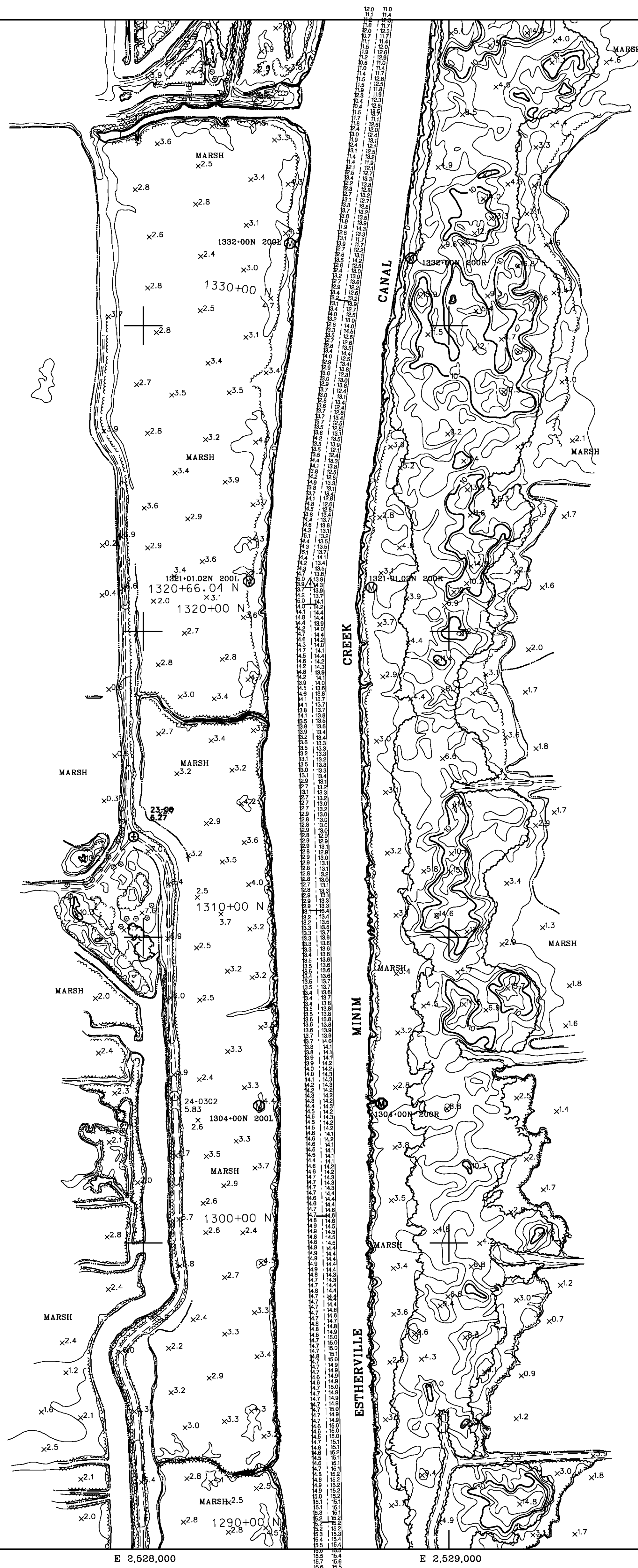
24-0403 6.09

N 507,000  
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E 2,525,000 E 2,526,000 E 2,527,000 E 2,528,000 E 2,529,000 E 2,530,000 E 2,531,000

WC-55, DCN

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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

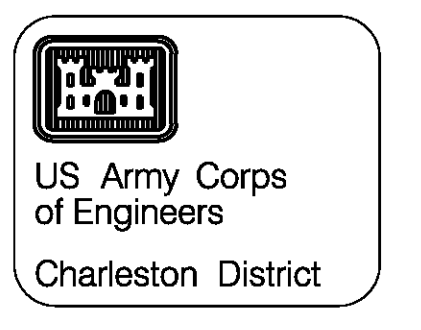


- NOTES:
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  - HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE COORDINATES NAD 1983.
  - THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
  - DATE OF SURVEY: 15, 16 NOV. 2012

NOVA Digital Systems, INC.  
PHOTOGRAPHIC REPRODUCTION OF ORIGINAL  
 AS SUPPLIED TO THE DISTRICT BY THE DISTRICT IN 2012  
 BY THE DISTRICT

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

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



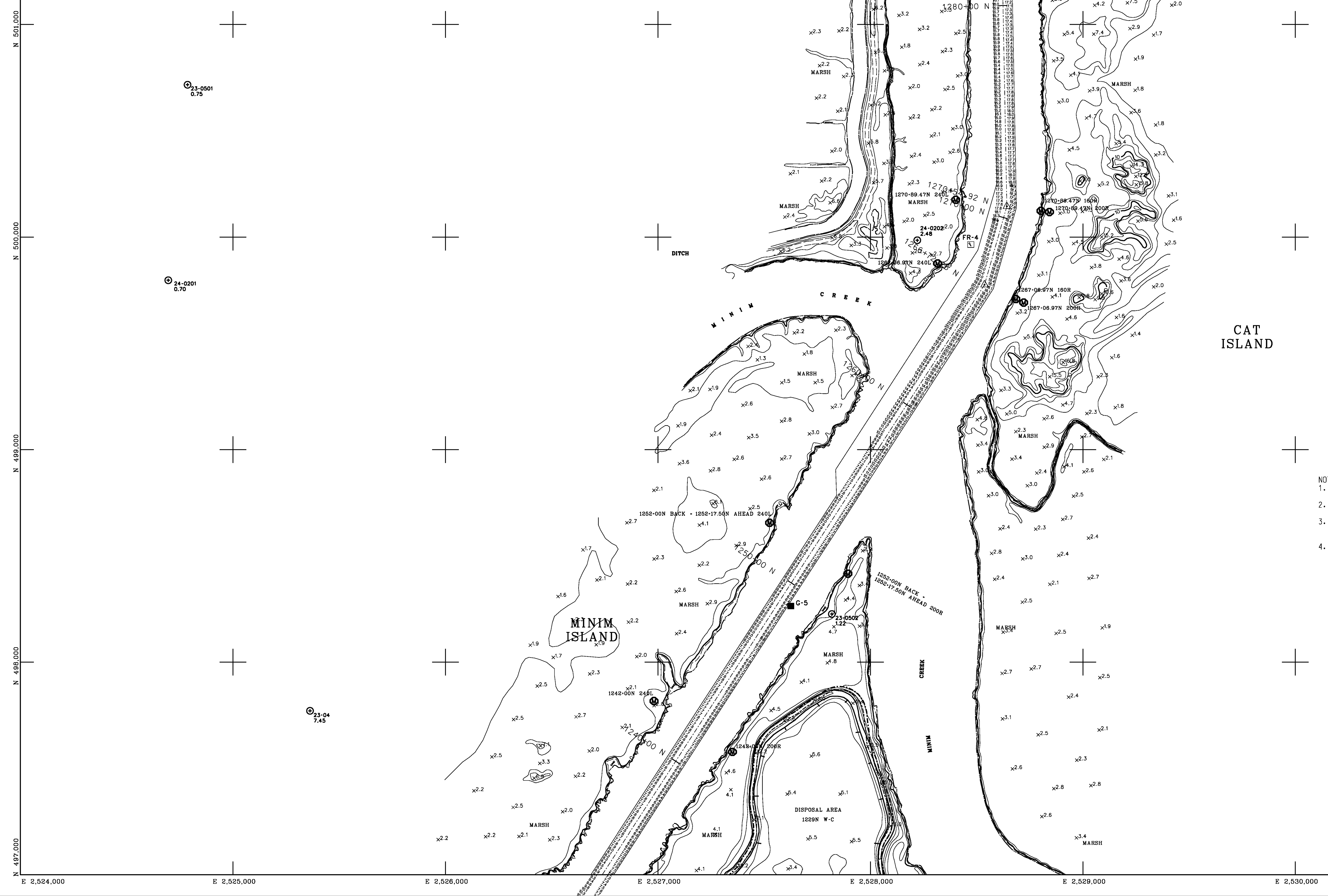
DATE	DESCRIPTION	BY

DESIGNED BY: MVEY  
 DRAWN BY: MVEY  
 CHECKED BY: MVEY  
 DATE: NOV 2012  
 DESIGN NO: 9456  
 SHEET NO: 6 OF 62  
 SCALE: 1" = 200'

AWM, WINYAH BAY TO CHARLESTON  
 STA. 1289+11N TO STA. 1339+25N  
 9456  
 GEORGETOWN-CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 6 OF 62

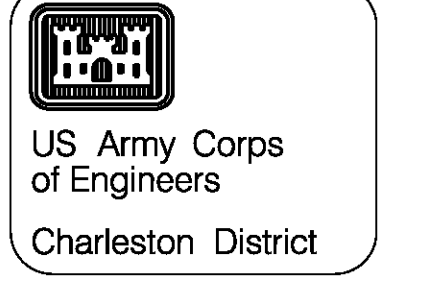
PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1286+00N 200L	2,528,415.69	501,481.47	2,528,413.22	501,649.99
	1286+00N 200R	2,528,815.61	501,489.04	2,528,813.11	501,657.68
	1270+89.47N 200R	2,528,844.69	499,949.08	2,528,842.63	500,117.86
	1270+89.47N 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:
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

NOVA Digital Systems, INC.  
 PHOTOGRAMMETRIC ENGINEERING SURVEYING & GIS SERVICES  
 AND RELATED CONSULTING SERVICES  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

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

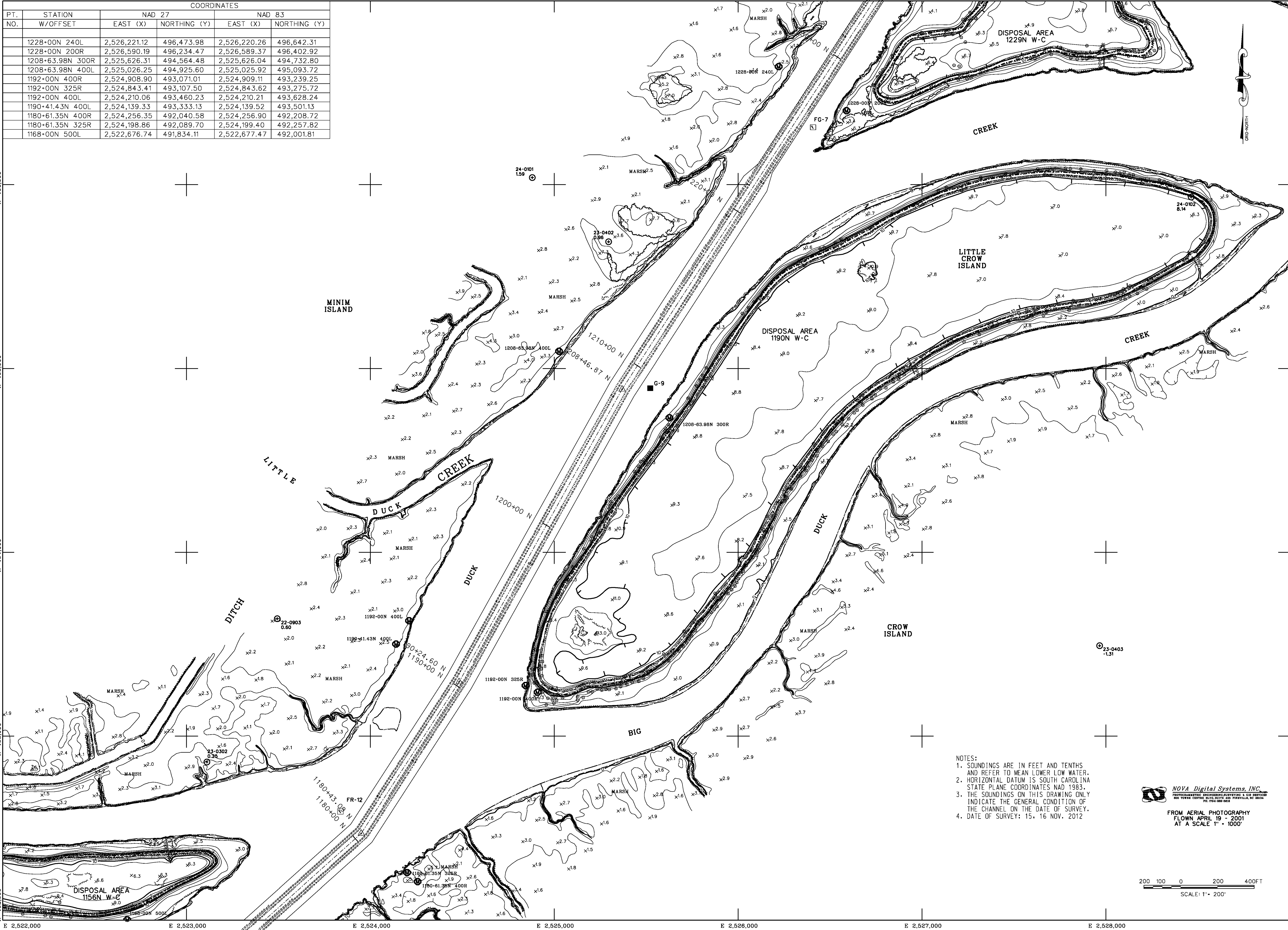


NO.	DATE	BY	DESCRIPTION

Date:	NOV 2012
Drawn by:	MARY
Checked by:	FR-4
Project No.:	9456
Scale:	1" = 200'

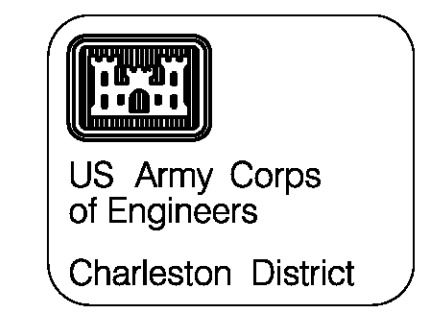
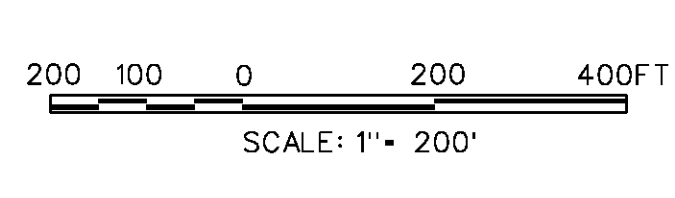
ANN. WINYAH BAY TO CHARLESTON  
 STA. 1233+64N TO STA. 1289+11N  
 9456  
 GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA  
 SHEET  
 REFERENCE  
 NUMBER  
 SHEET 7 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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.
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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: 15, 16 NOV. 2012

**NOVA Digital Systems, INC.**  
 PHOTOGRAMMETRIC ENGINEERING SYSTEMS & GIS SERVICES  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'



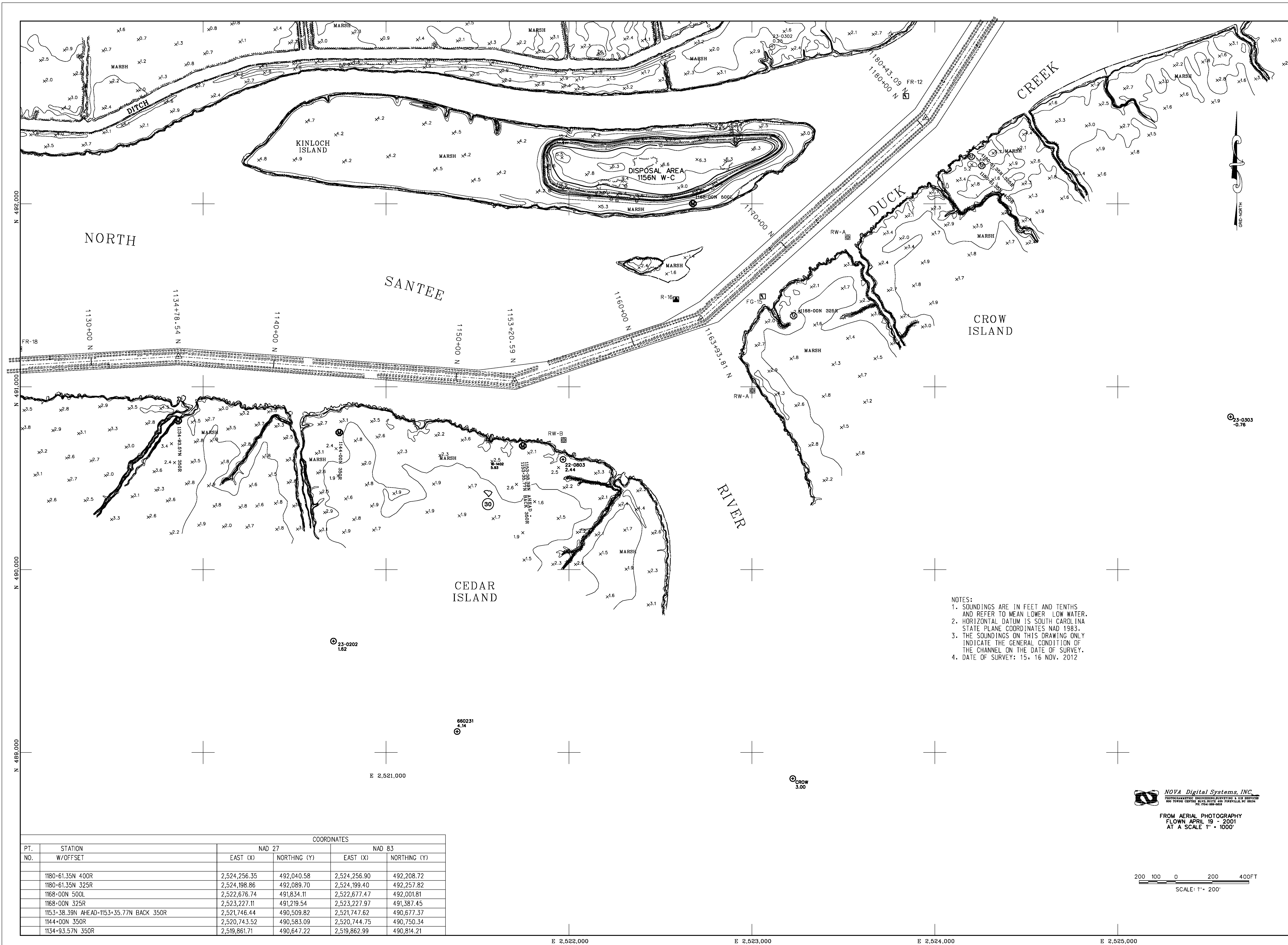
NO.	DATE	BY	DESCRIPTION

Design By:	NOV 2012
Drawn By:	9456
Checked By:	
Reviewed By:	
Examined By:	
Project No.:	
Sheet No.:	1 - 200

WWW.WINVAH BAY TO CHARLESTON  
 STA. 1173+38N TO STA. 1233+64N  
 9456  
 GEORGETOWN-CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 8 OF 82





US Army Corps of Engineers  
Charleston District

DATE	DESCRIPTION	BY

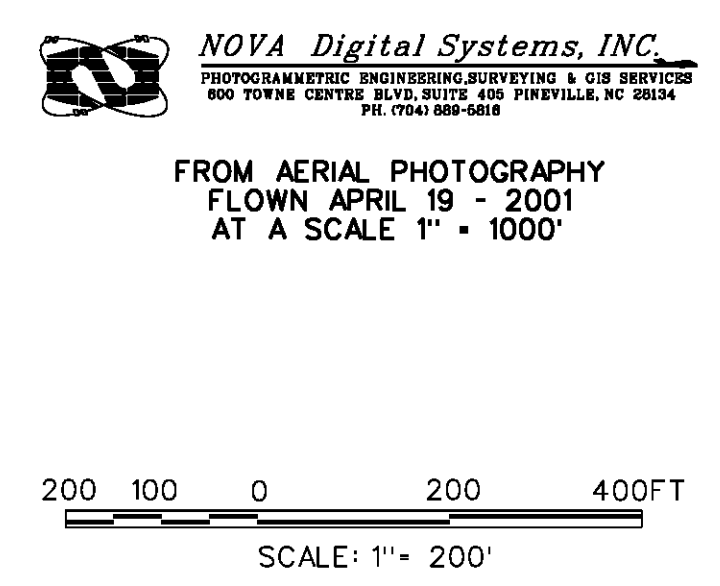
Designed by	NOV 2012
Drawn by	9456
Checked by	
Reviewed by	
Submitted by	

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

AWM: WINVAH BAY TO CHARLESTON  
STA. 1126+11N TO STA. 1186+73N  
9456  
GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

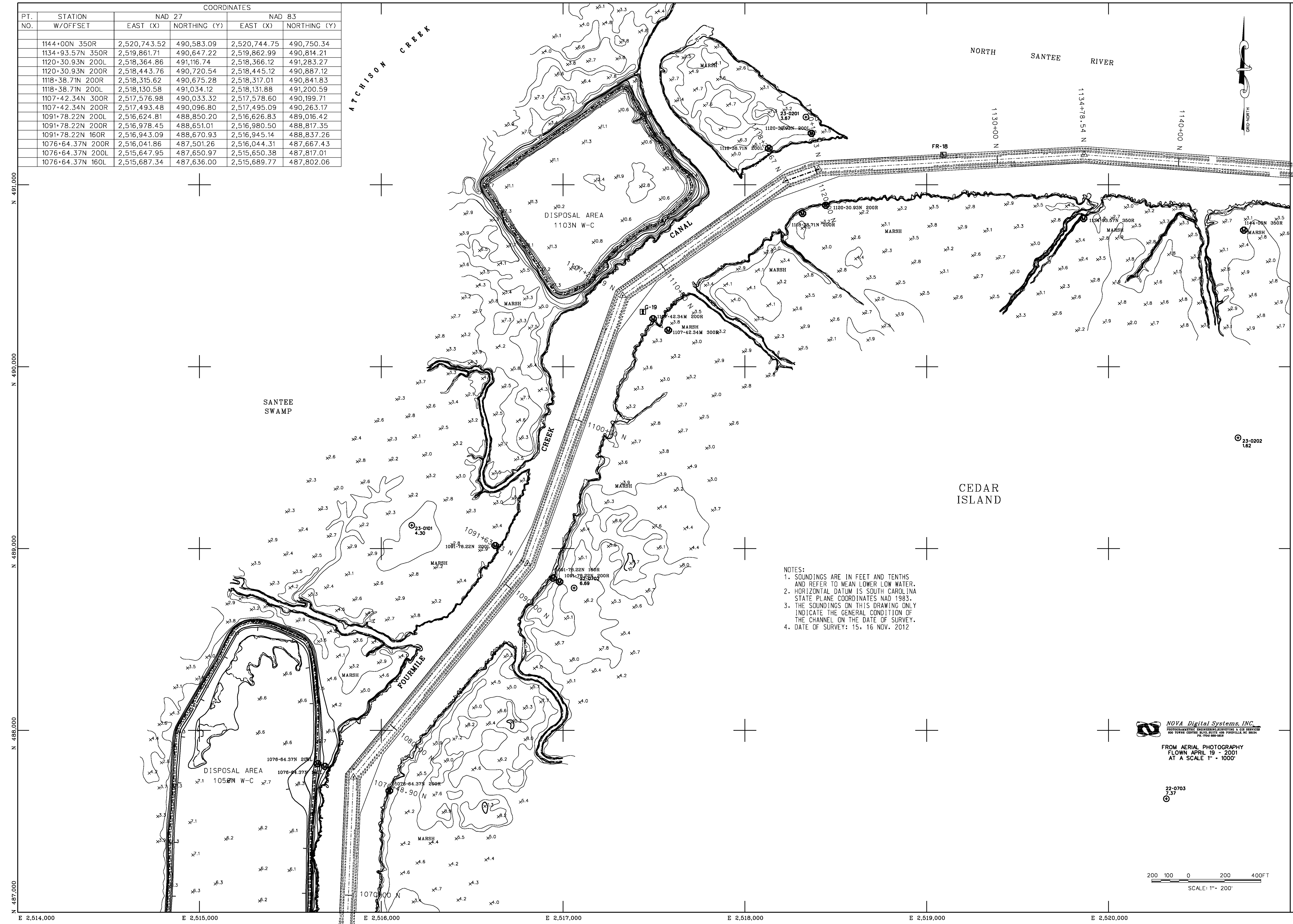
SHEET REFERENCE NUMBER  
SHEET 9 OF 62

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



PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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

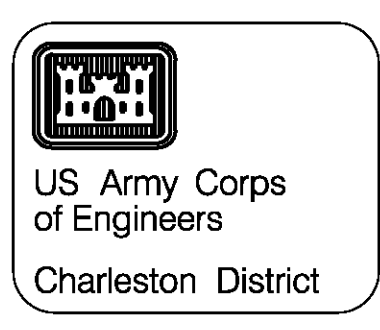
PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
1144+00N 350R		2,520,743.52	490,583.09	2,520,744.75	490,750.34
1134+93.57N 350R		2,519,861.71	490,647.22	2,519,862.99	490,814.21
1120+30.93N 200L		2,518,364.86	491,116.74	2,518,366.12	491,283.27
1120+30.93N 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: 15, 16 NOV. 2012

NOVA Digital Systems, INC.  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

22-0703  
 2.37  
 SCALE: 1" = 200'



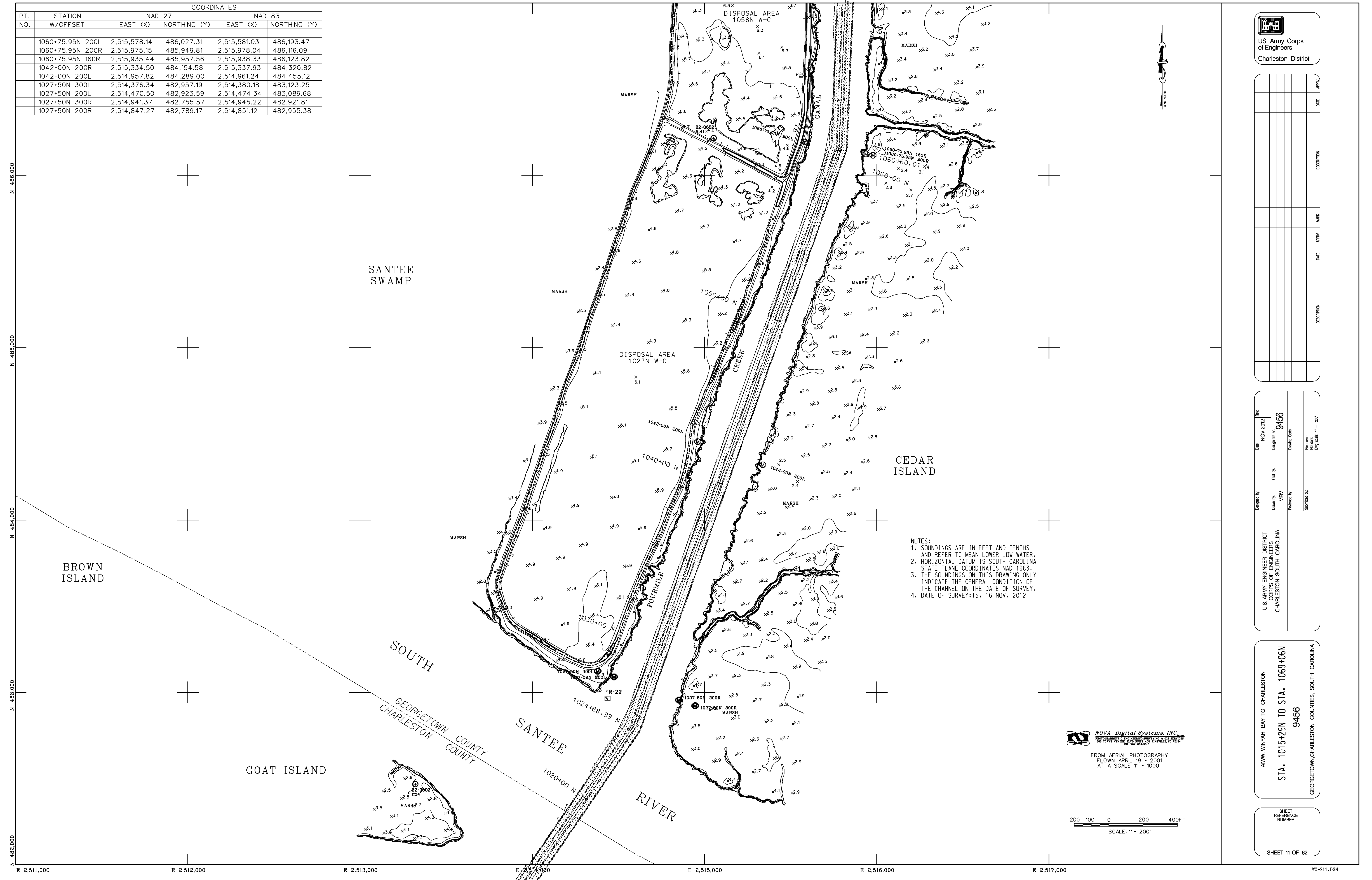
NO.	DATE	APPROV.	DESCRIPTION

Designed by	Date	NOV 2012
Drawn by	Drawn by	9456
Reviewed by	Reviewed by	
Checked by	Checked by	
Scale	Scale	1" = 200'

AWW WINKAH BAY TO CHARLESTON  
 STA. 1069+06N TO STA. 1146+15N  
 9456  
 GEORGETOWN-CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 10 OF 62

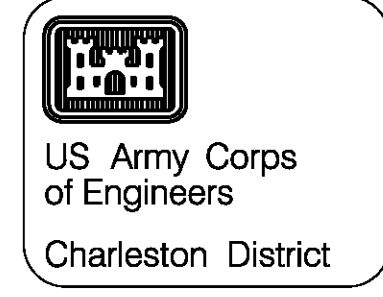
PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1060+75.95N 200L	2,515,578.14	486,027.31	2,515,581.03	486,193.47
	1060+75.95N 200R	2,515,975.15	485,949.81	2,515,978.04	486,116.09
	1060+75.95N 160R	2,515,935.44	485,957.56	2,515,938.33	486,123.82
	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: 15, 16 NOV. 2012

**NOVA Digital Systems, Inc.**  
 PHOTOGRAMMETRIC, SURVEYING, DESIGN, & GIS SERVICES  
 100 TERRY CENTER BLVD SUITE 400 FORT WORTH, TX 76104  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

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



DATE	APPROV.	MARK.	DESCRIPTION

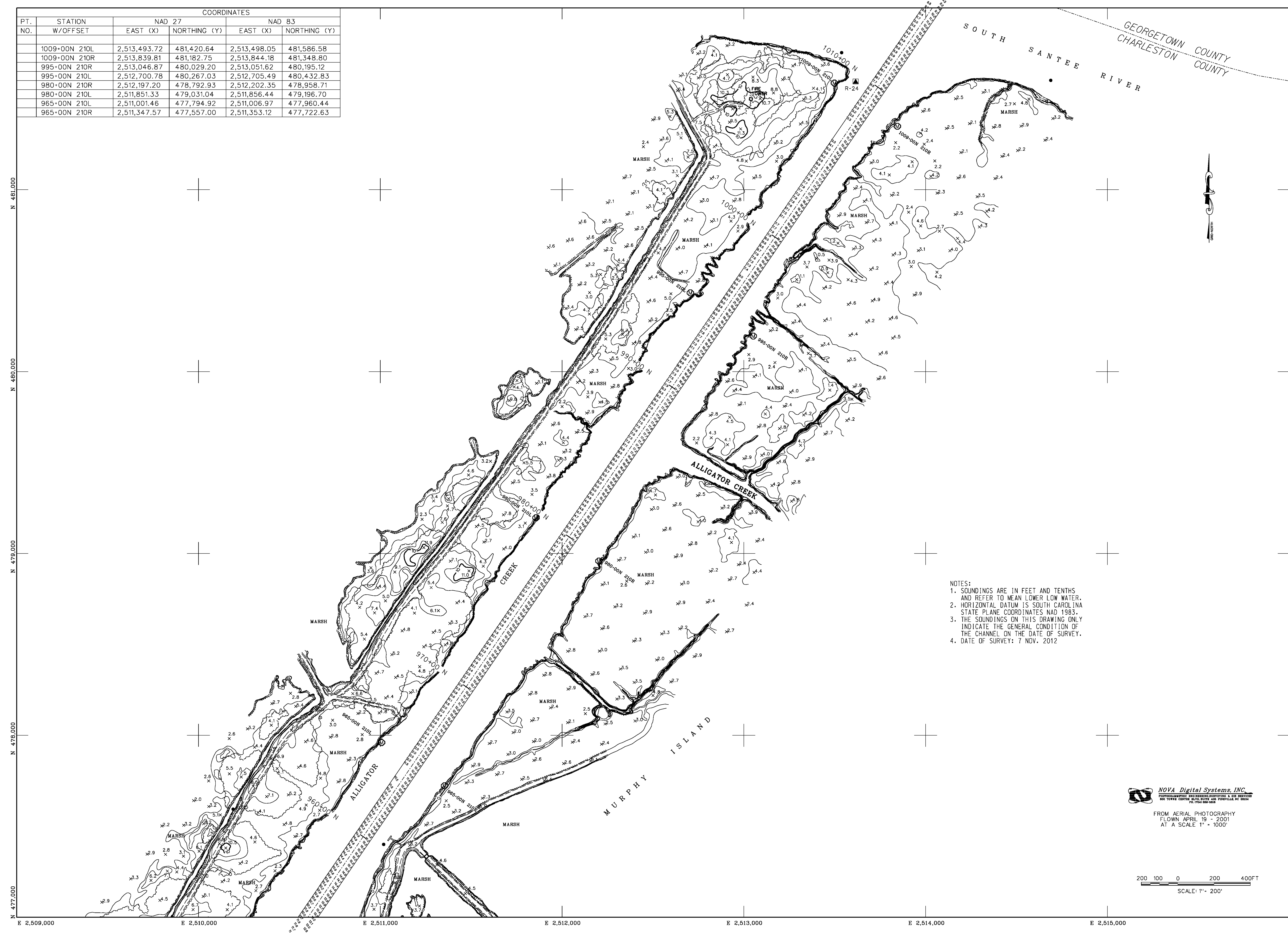
Designed by:	NOV/2012	Rev:	
Drawn by:		Drawing No.:	9456
Checked by:		Drawing Code:	
Submitted by:		File Name:	

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

AWW WYVAH BAY TO CHARLESTON  
 STA. 1015+29N TO STA. 1069+06N  
 9456  
 GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

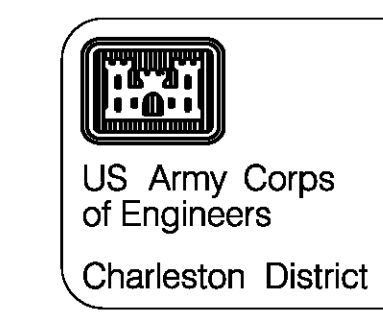
SHEET REFERENCE NUMBER  
 SHEET 11 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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:  
 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: 7 NOV. 2012

NOVA Digital Systems, INC.  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'  
 SCALE: 1" = 200'  
 200 100 0 200 400 FT



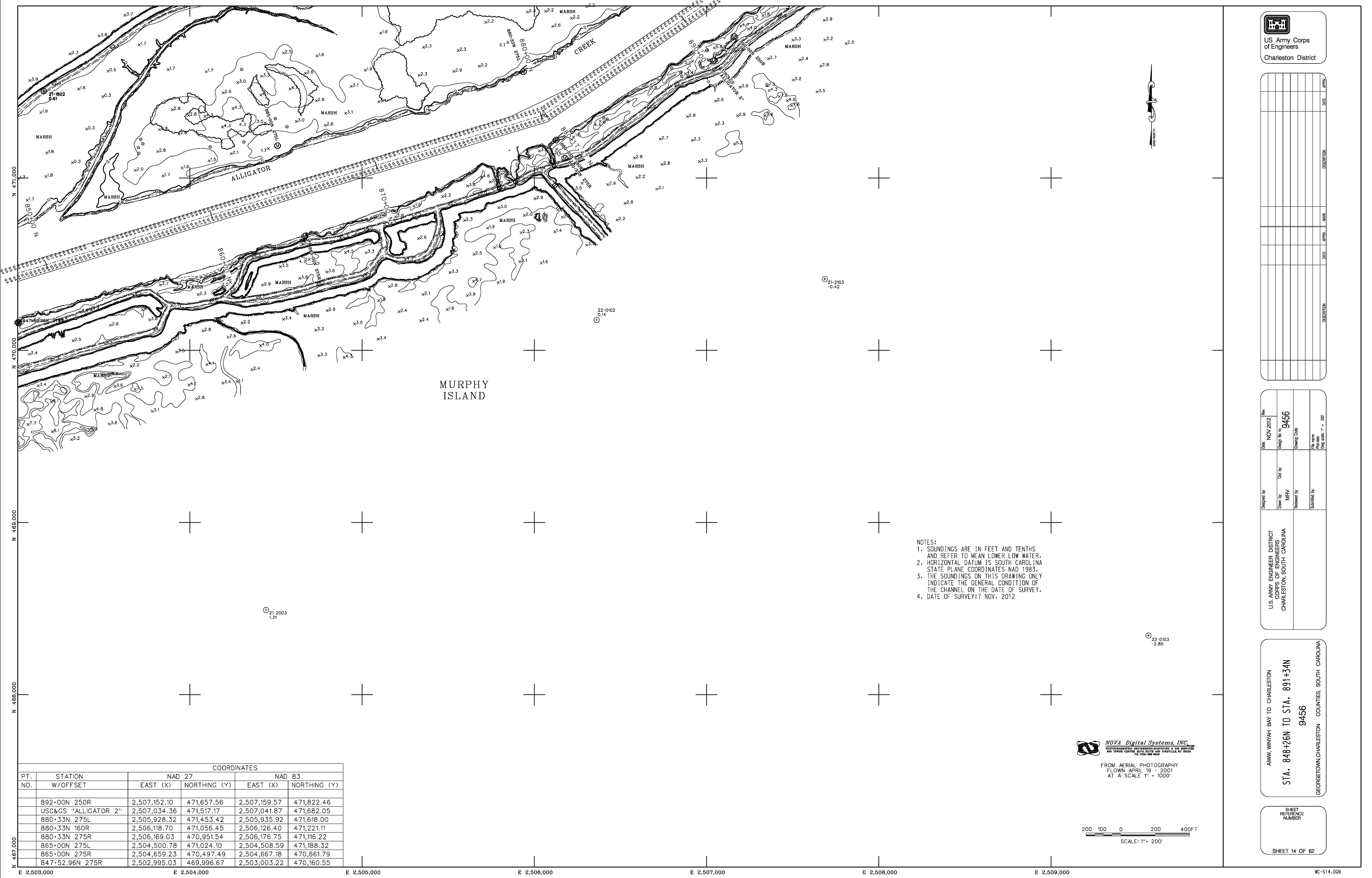
NO.	DATE	APPROV.	MARKS	DESCRIPTION

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AMW, WINNAH BAY TO CHARLESTON  
 STA. 954+63N TO STA. 1015+29N  
 9456  
 GEORGETOWN, CHARLESTON, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 12 OF 62



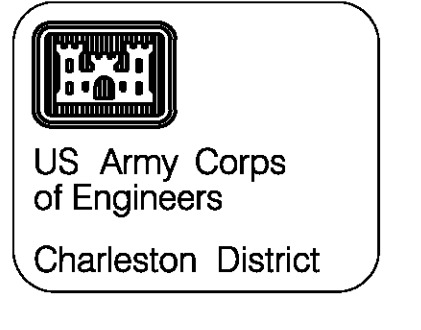
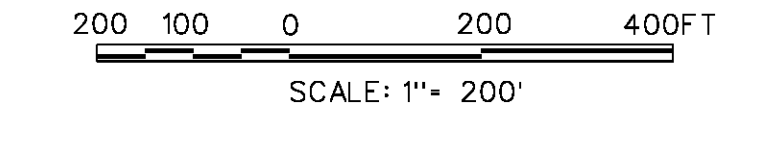


COORDINATES					
PT. NO.	STATION W/OFFSET	NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	892+00N 250R	2,507,152.10	471,657.56	2,507,159.57	471,822.46
	USC&GS "ALLIGATOR 2"	2,507,034.36	471,517.17	2,507,041.87	471,682.05
	880+33N 275L	2,505,928.32	471,453.42	2,505,935.92	471,618.00
	880+33N 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

- 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: 7 NOV. 2012



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



NO.	DATE	DESCRIPTION	BY	CHKD.

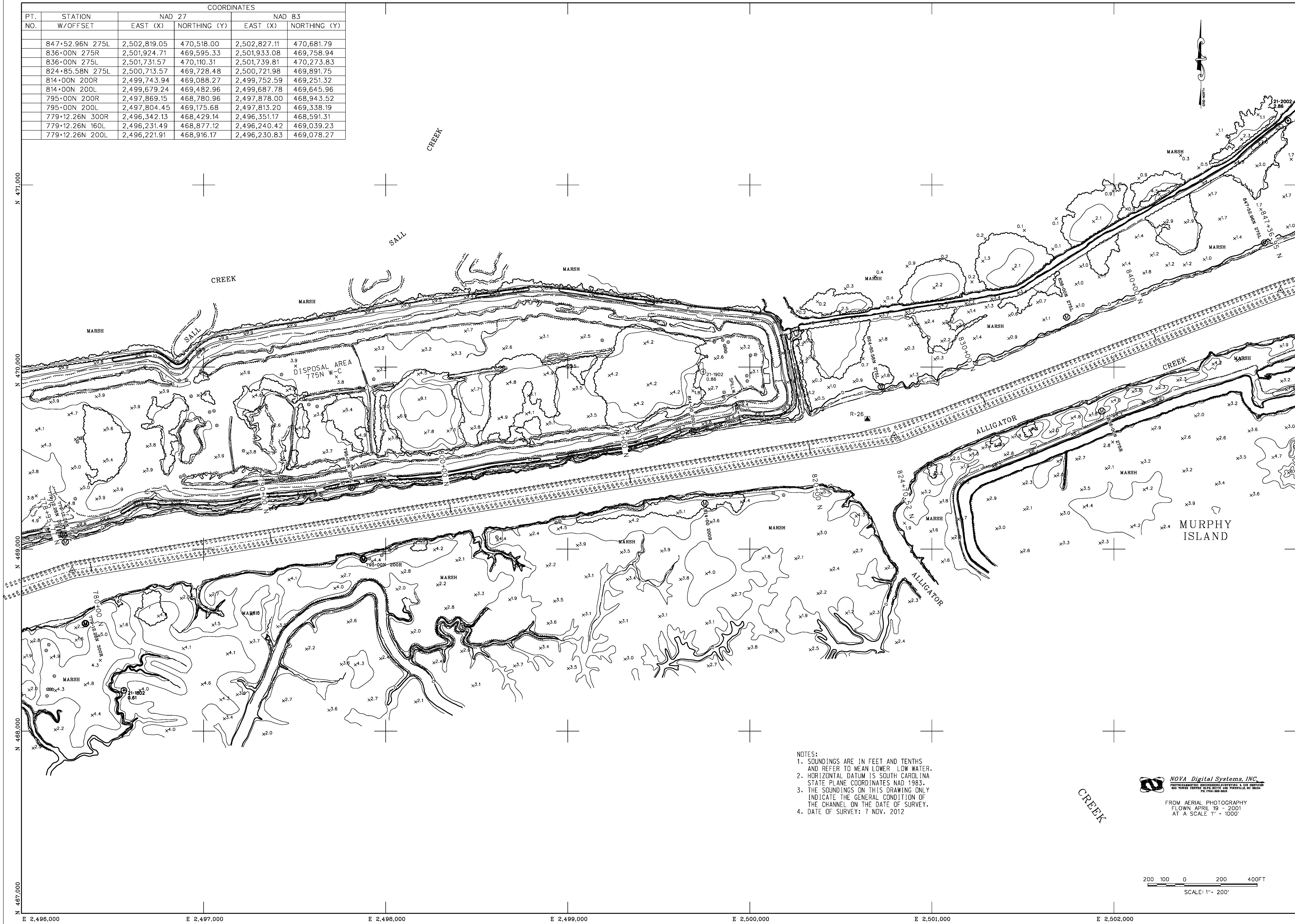
Drawn by	MJW
Checked by	
Designed by	
Date	NOV 2012
Drawing Code	9456
Plot Date	
Plot Scale	1" = 200'

U.S. ARMY ENGINEER DISTRICT  
 CHARLESTON, SOUTH CAROLINA

ANNY, WINYAH BAY TO CHARLESTON  
 STA. 848+26N TO STA. 891+34N  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET  
 REFERENCE  
 NUMBER

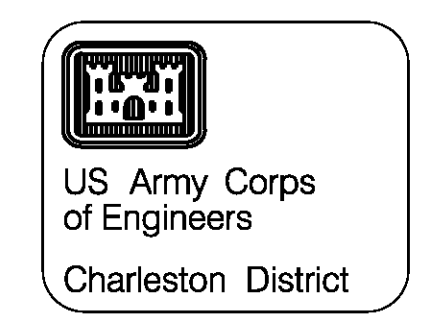
PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
847+52.96N	275L	2,502,819.05	470,518.00	2,502,827.11	470,681.79
836+00N	275R	2,501,924.71	469,595.33	2,501,933.08	469,758.94
836+00N	275L	2,501,731.57	470,110.31	2,501,739.81	470,273.83
824+85.58N	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: 7 NOV. 2012

**NOVA Digital Systems, INC.**  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

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



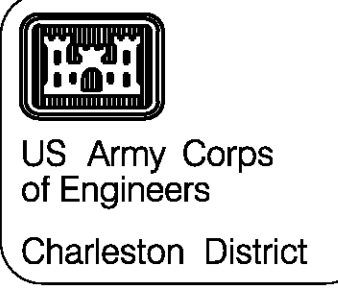
DATE	DESCRIPTION	DATE	DESCRIPTION

NOV 2012	NOV 2012	NOV 2012	NOV 2012
DESIGNED BY	DRAWN BY	CHECKED BY	DATE

AWW WINYAH BAY TO CHARLESTON  
 STA. 776+02N TO STA. 848+26N  
 9456  
 GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 15 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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



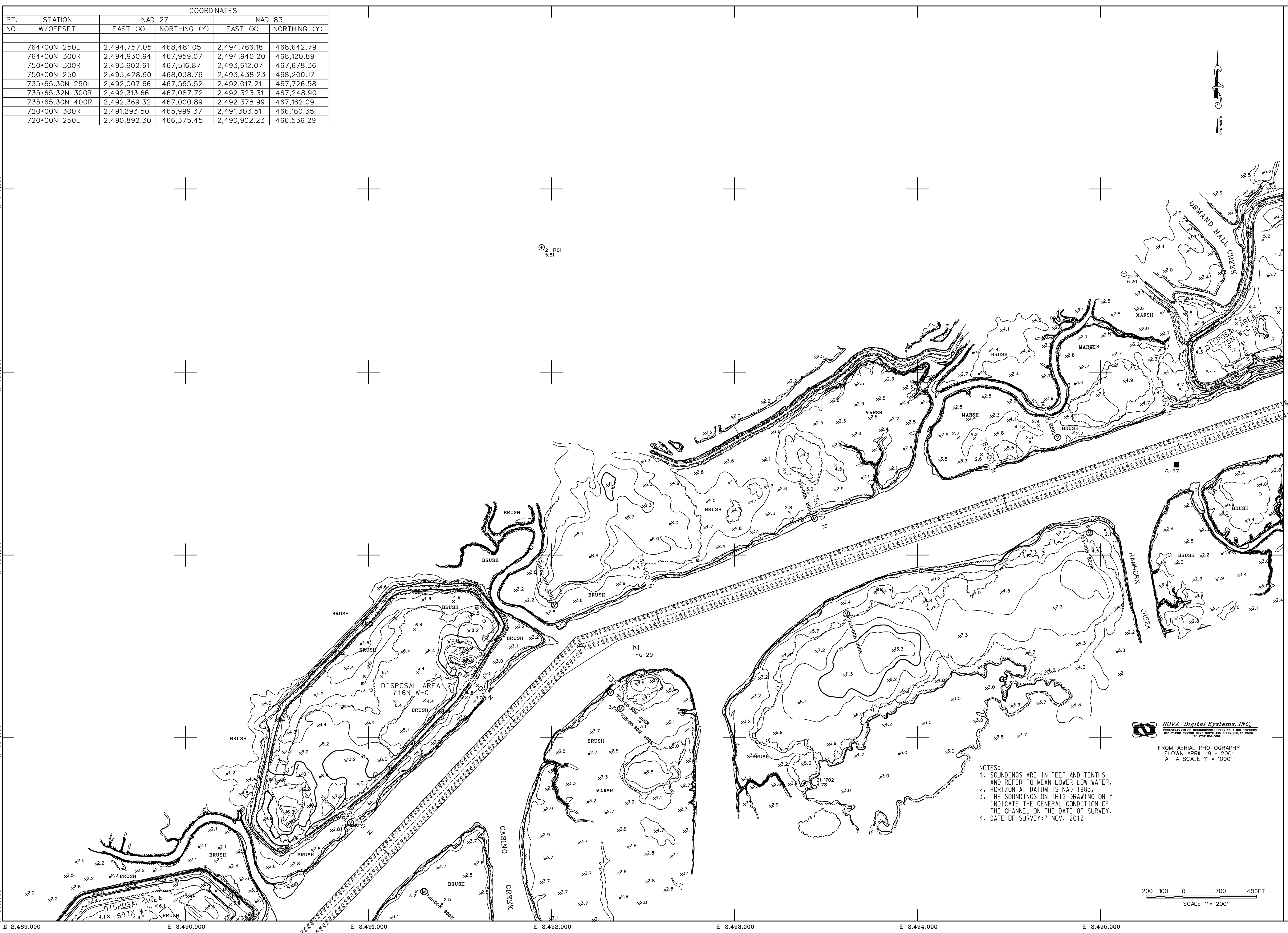
NO.	DATE	BY	DESCRIPTION

DATE	NO.	BY
NOV 2012	9456	

AWW WINYAH BAY TO CHARLESTON  
 STA. 714+82 TO STA. 776+02N  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 16 OF 62

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 N 469,000  
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 N 467,000  
 N 466,000

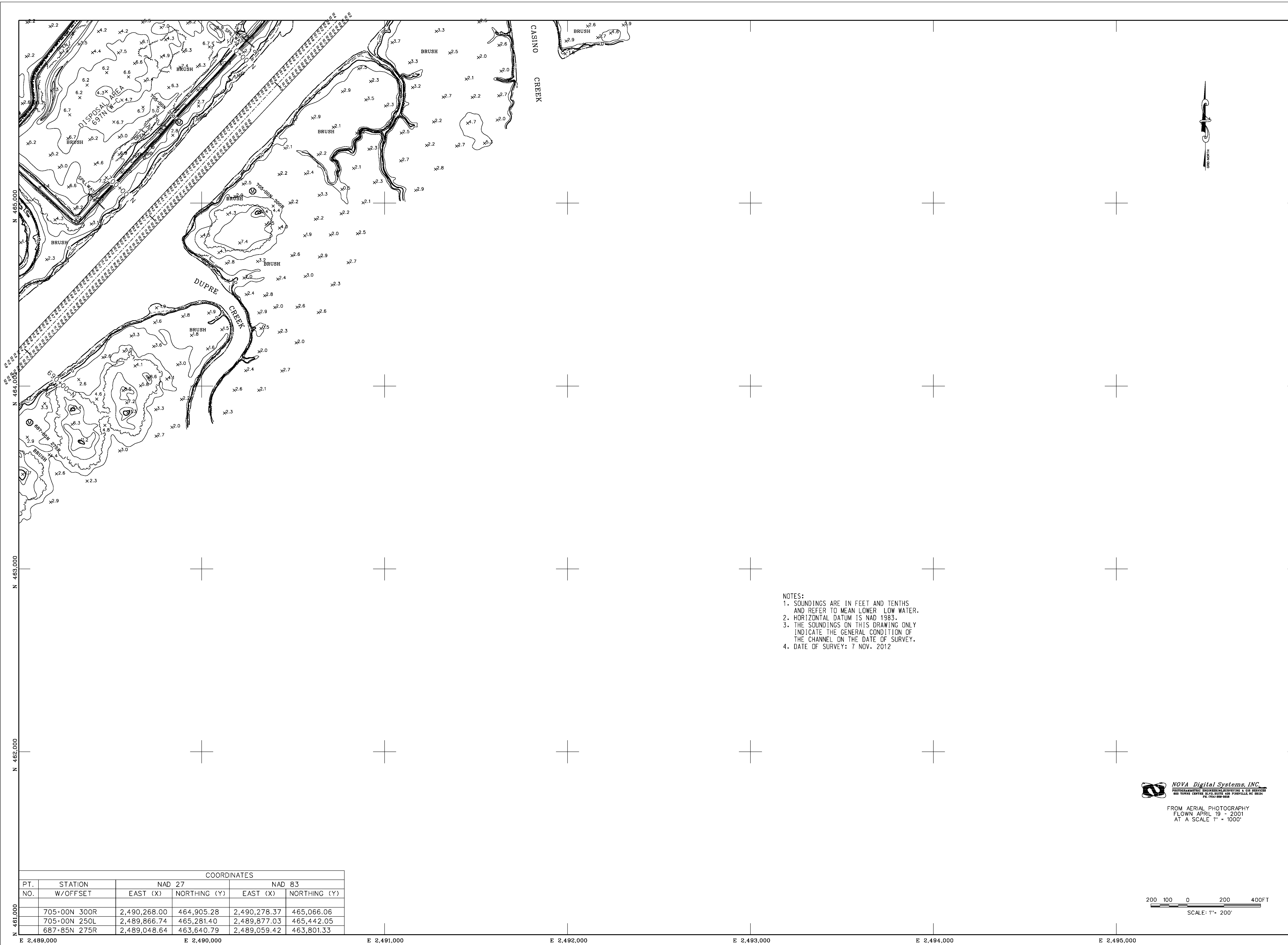


NOTES:  
 1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.  
 2. HORIZONTAL DATUM IS NAD 1983.  
 3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.  
 4. DATE OF SURVEY: 7 NOV. 2012

NOVA Digital Systems, INC.  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

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





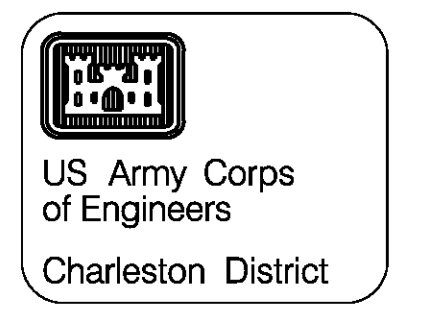
- NOTES:  
 1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.  
 2. HORIZONTAL DATUM IS NAD 1983.  
 3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.  
 4. DATE OF SURVEY: 7 NOV. 2012

**NOVA Digital Systems, INC.**  
PHOTOGRAMMETRIC SURVEILLANCE SYSTEMS & SERVICES  
 4851 TORRIS CENTER BLVD, SUITE 400, FORT WORTH, TEXAS 76106  
 Tel: 781.948.9293

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

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

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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



NO.	DATE	DESCRIPTION

Date: NOV 2012  
 Design No: 9456  
 Drawing Code:

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

U.S. ARMY ENGINEER DISTRICT  
 CHARLESTON DISTRICT  
 CHARLESTON, SOUTH CAROLINA

AWW WINVAH BAY TO CHARLESTON  
 STA. 689+33N TO STA. 714+82N  
 9456  
 GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

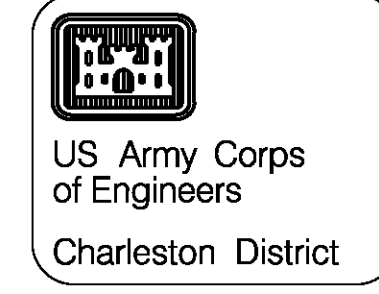
SHEET  
 REFERENCE  
 NUMBER

SHEET 17 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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

21-1501  
5.26

- 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: 7 NOV. 2012



DATE	DESCRIPTION	APPROVED	DATE	DESCRIPTION	APPROVED

DESIGNED BY	NOV 2012	REV	
DRAWN BY	9456	DRAWING NO.	
CHECKED BY		DATE	
APPROVED BY			
DATE			

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

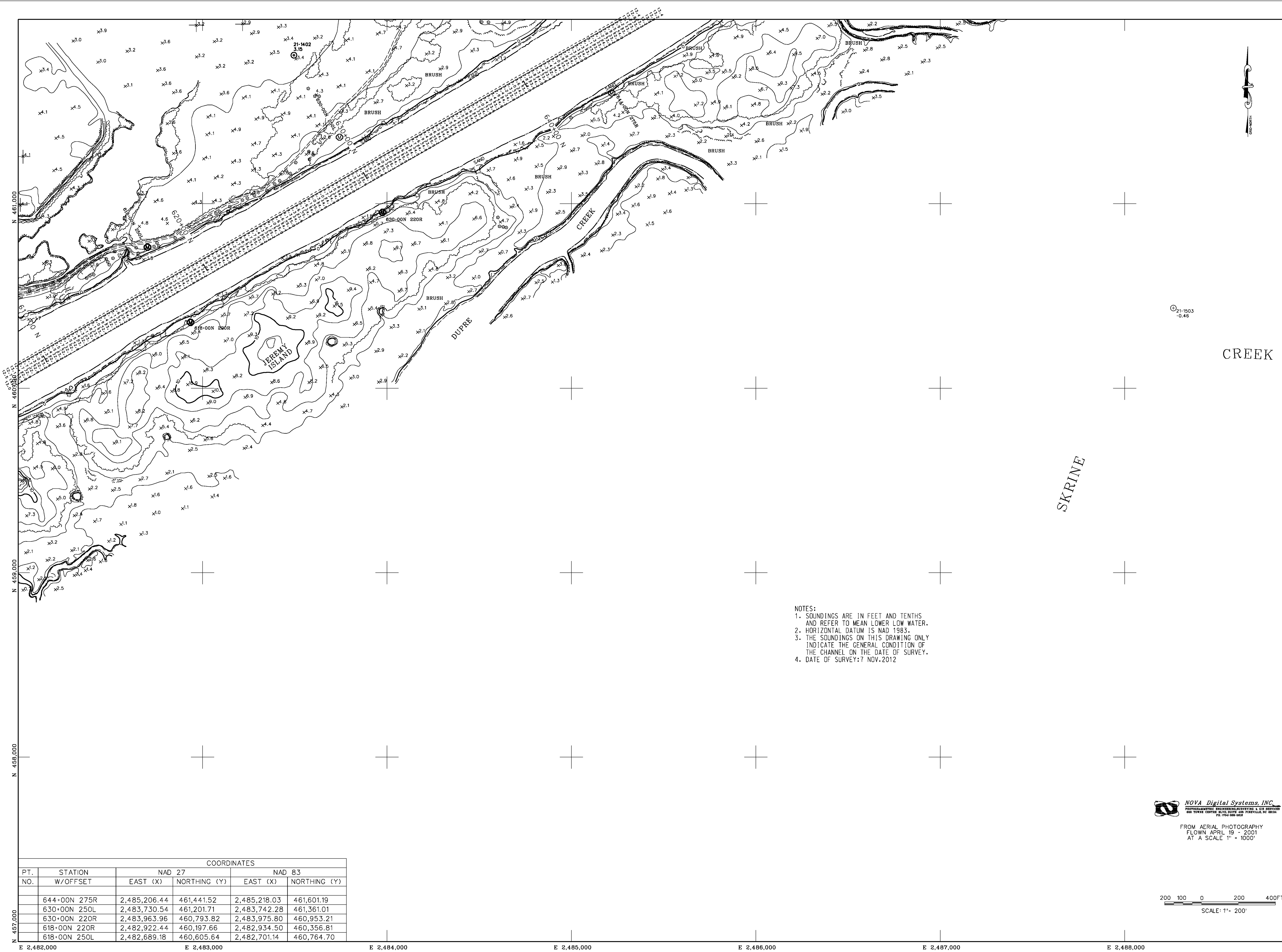
AWW, WINYAH BAY TO CHARLESTON  
STA. 647+05N TO STA. 689+33N  
9456  
GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
SHEET 16 OF 62

N 486,000  
N 485,000  
N 484,000  
N 483,000  
N 482,000

E 2,482,000 E 2,483,000 E 2,484,000 E 2,485,000 E 2,486,000 E 2,487,000 E 2,488,000

NOVA Digital Systems, INC.  
PHOTOGRAMMETRIC ENGINEERING DIVISION  
FROM AERIAL PHOTOGRAPHY  
FLYNN APRIL 19 - 2001  
AT A SCALE 1" = 1000'  
SCALE: 1" = 200'  
200 100 0 200 400 FT



NO.	DATE	DESCRIPTION	BY

Drawn by:	CD by:	DATE:	NOV. 2012
MRV		Sheet No.:	9456
		Drawing Code:	
		Sheet Size:	1" x 20"

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

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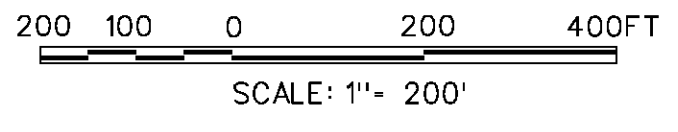
AWW WINNAH BAY TO CHARLESTON  
 STA. 608+32N TO STA. 647+05N  
 9456  
 GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 19 OF 62

- 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: 7 NOV. 2012

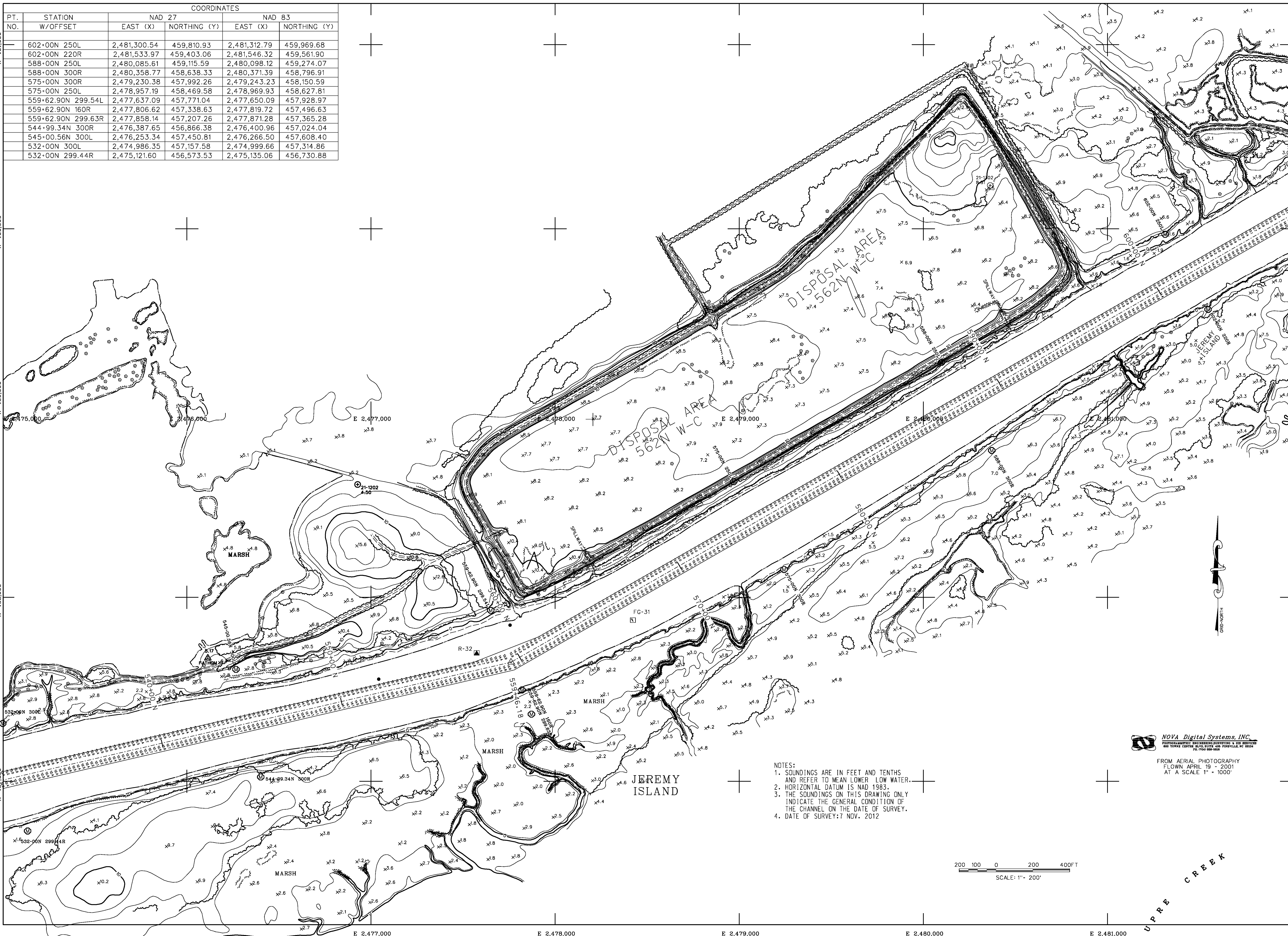
NOVA Digital Systems, INC.  
AN ADVANCED SURVEYING SYSTEMS & CONSULTING CORPORATION  
100 NORTH CHARLES STREET, SUITE 200, CHARLESTON, SC 29401  
PH: (774) 889-8833

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



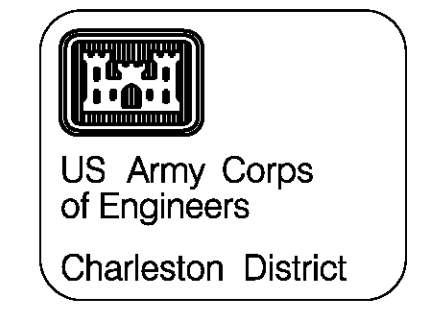
PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	644+00N 275R	2,485,206.44	461,441.52	2,485,218.03	461,601.19
	630+00N 250L	2,483,730.54	461,201.71	2,483,742.28	461,361.01
	630+00N 220R	2,483,963.96	460,793.82	2,483,975.80	460,953.21
	618+00N 220R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

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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:
- SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
  - HORIZONTAL DATUM IS NAD 1983.
  - THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
  - DATE OF SURVEY: 7 NOV. 2012

NOVA Digital Systems, INC.  
 PHOTOGRAMMETRIC TECHNIQUES UTILIZED IN THE  
 DERIVATION OF THIS DATA. ALL RIGHTS ARE RESERVED.  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'



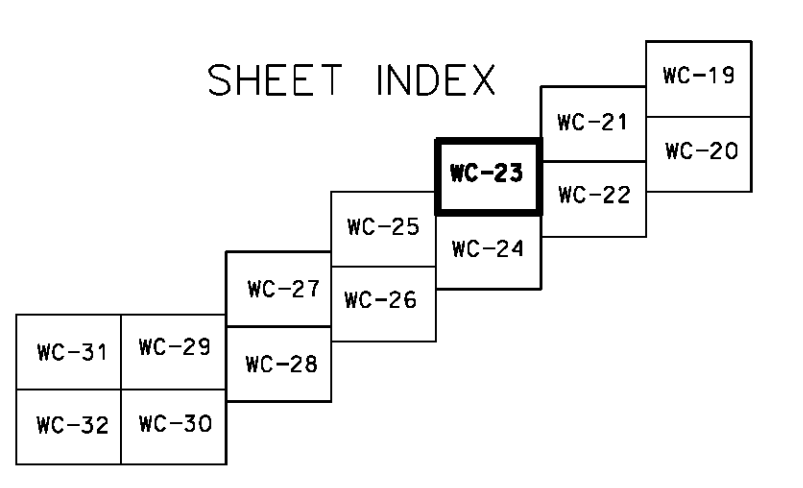
NO.	DESCRIPTION	DATE	BY

Designed by	Drawn by	Checked by	Reviewed by	Stationed by	Date	Scale
	MRV				NOV 2012	1" = 200'
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLOTTE, SOUTH CAROLINA			Drawn to scale	9456	NOV 2012	

AWW WINVAH BAY TO CHARLESTON  
 STA. 531+12N TO STA. 608+32N  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

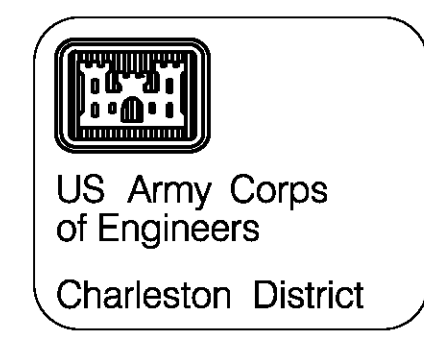
SHEET  
 REFERENCE  
 NUMBER  
 SHEET 20 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	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



**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	
NAVAID RED	
H&V CONTROL	
U S HIGHWAY	
STATE HIGHWAY	
ROAD NUMBER	
ANCHORAGE	
WRECK	
MONUMENT	

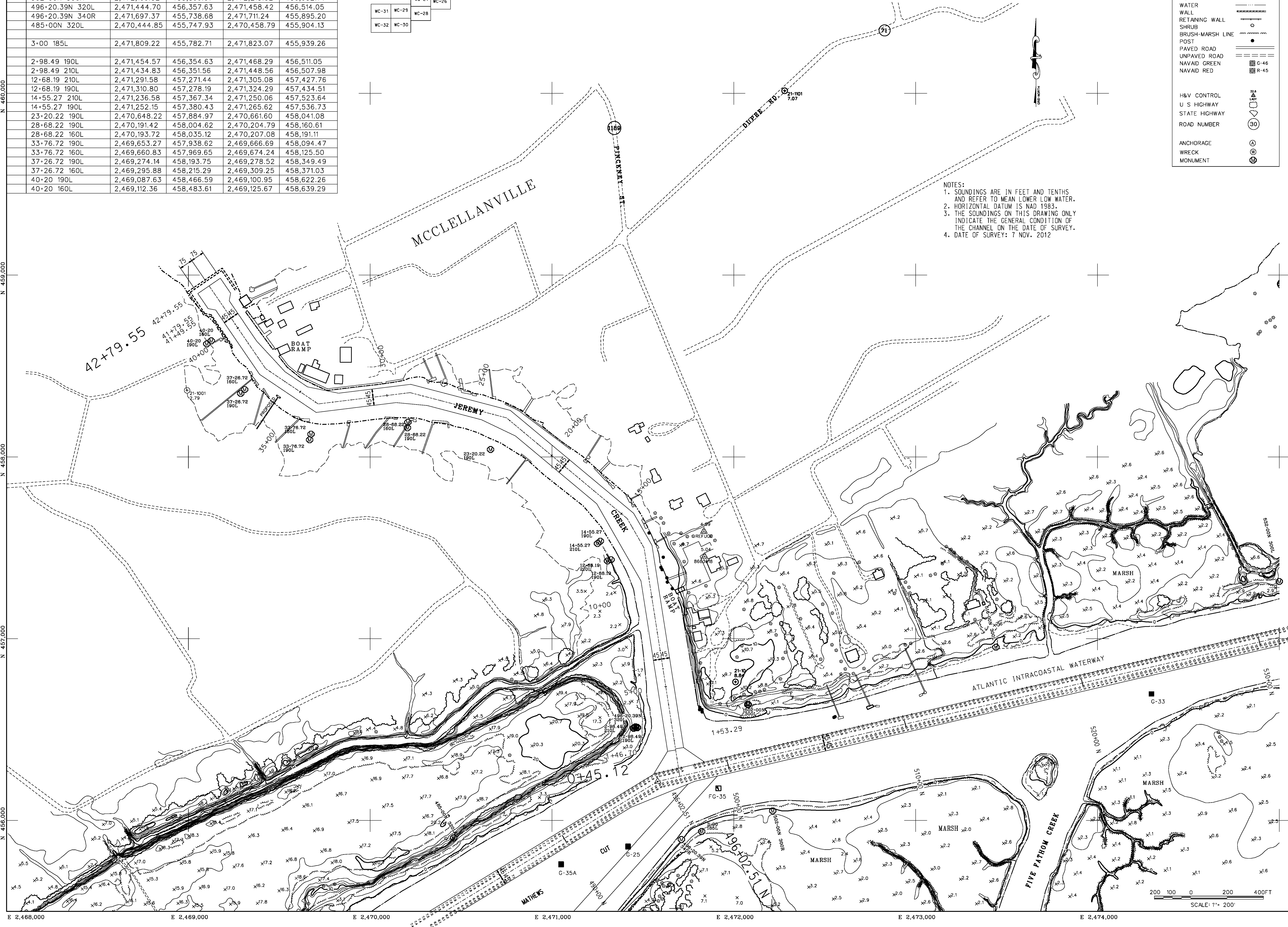


NO.	DATE	DESCRIPTION
NO. 1	NOV 02	Issue Block Description 1
NO. 2	NOV 02	Issue Block Description 2
NO. 3	NOV 02	Issue Block Description 3
NO. 4	NOV 02	Issue Block Description 4
NO. 5	NOV 02	Issue Block Description 5
NO. 6	NOV 02	Issue Block Description 6
NO. 7	NOV 02	Issue Block Description 7
NO. 8	NOV 02	Issue Block Description 8
NO. 9	NOV 02	Issue Block Description 9
NO. 10	NOV 02	Issue Block Description 10
NO. 11	NOV 02	Issue Block Description 11
NO. 12	NOV 02	Issue Block Description 12
NO. 13	NOV 02	Issue Block Description 13
NO. 14	NOV 02	Issue Block Description 14
NO. 15	NOV 02	Issue Block Description 15
NO. 16	NOV 02	Issue Block Description 16
NO. 17	NOV 02	Issue Block Description 17
NO. 18	NOV 02	Issue Block Description 18
NO. 19	NOV 02	Issue Block Description 19

DATE: NOV 02 2012	DESIGN NO: 9456
DRAWN BY: MRY	DRAWING CODE:
CHECKED BY:	IN CHARGE:
APPROVED BY:	DATE: NOV 02 2012

ATLANTIC INTRACOASTAL WATERWAY  
 STA 482+32N TO STA 531+12N AHW  
 STA 0+45 TO STA 42+80 JEREMY CREEK  
 9456  
 GEORGETOWN AND CHARLESTON COUNTIES

SHEET 21 OF 62



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: 7 NOV. 2012

N 460,000  
 N 459,000  
 N 458,000  
 N 457,000  
 N 456,000

E 2,468,000 E 2,469,000 E 2,470,000 E 2,471,000 E 2,472,000 E 2,473,000 E 2,474,000

SCALE: 1" = 200'

NO.	DESCRIPTION	DATE	BY

Project No:	NOV/2012
Drawing No:	9456
Drawn by:	
Checked by:	
Reviewed by:	
Scale:	1" = 200'
Date:	

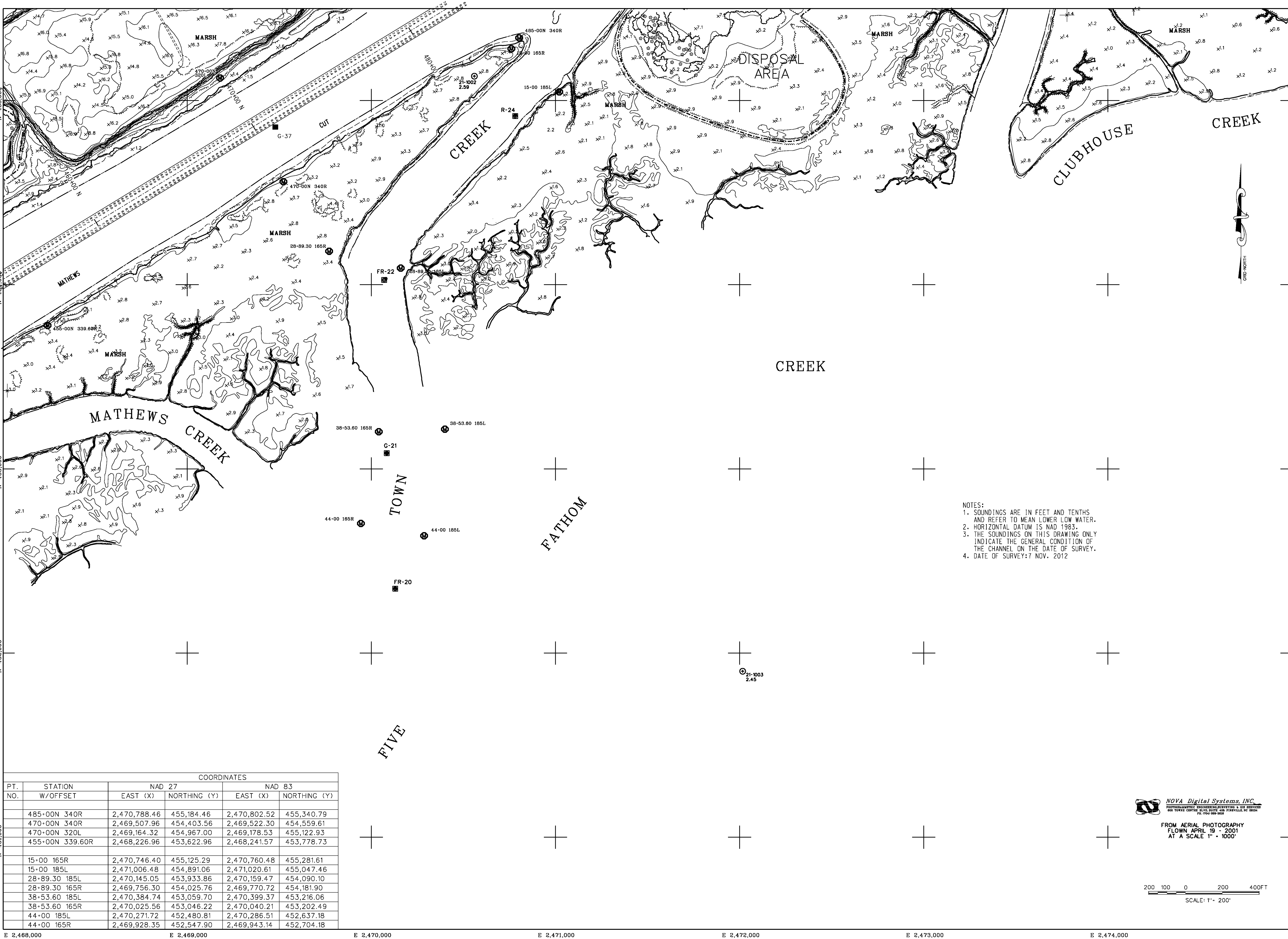
U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 CHARLESTON, SOUTH CAROLINA

AWW, WINNYAH BAY TO CHARLESTON  
 STA. 454+08N TO STA. 482+32N  
 9456

GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET  
 REFERENCE  
 NUMBER

SHEET 22 OF 62



- 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: 7 NOV. 2012

**NOVA Digital Systems, INC.**  
PROFESSIONAL ENGINEERING, SURVEYING & DESIGN  
 ONE VANCE CENTER BUILDING, 1015 VANCE STREET, SUITE 200  
 CHARLESTON, SOUTH CAROLINA 29403-1000  
 P.E. 17028-DON-808


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

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

PT. NO.	STATION W/OFFSET	NAD 27		NAD 83	
		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	454,967.00	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

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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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3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.  
4. DATE OF SURVEY: 7 NOV. 2012

 **NOVA Digital Systems, Inc.**  
DIGITAL PHOTOGRAMMETRY, REMOTE SENSING, GIS, AND AERIAL PHOTOGRAPHY  
4000 W. STATE ST. SUITE 200  
DENVER, CO 80202

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



NO.	DATE	DESCRIPTION

Drawn by: MARY  
Checked by: MARY  
Scale: 1" = 200'

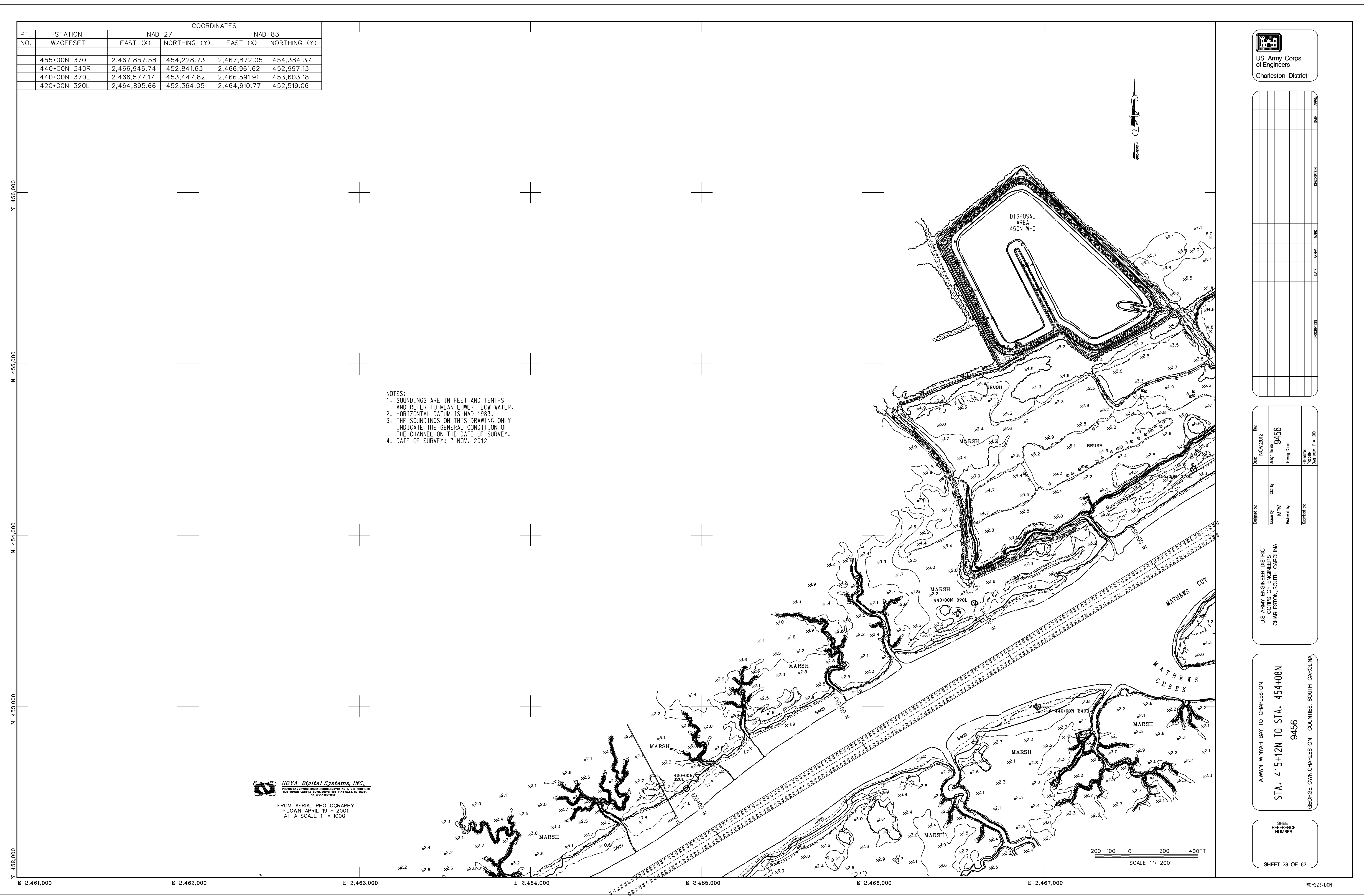
Date: NOV 2012  
Sheet No: 9456  
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Plot Date: 11/12/12

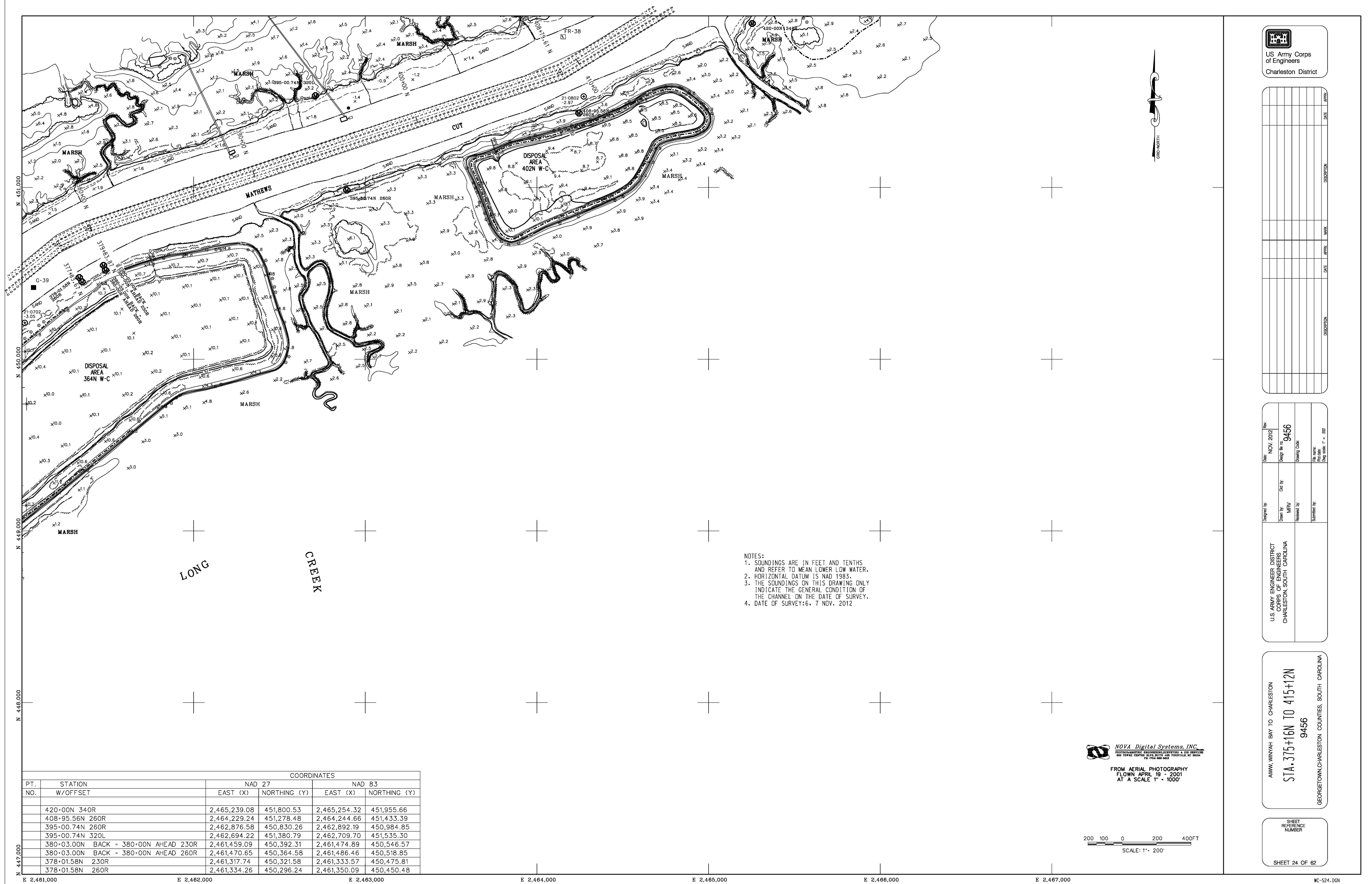
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
CHARLESTON, SOUTH CAROLINA

AWWA WINYAH BAY TO CHARLESTON  
STA. 415+12N TO STA. 454+08N  
9456  
GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET  
REFERENCE  
NUMBER

SHEET 28 OF 62

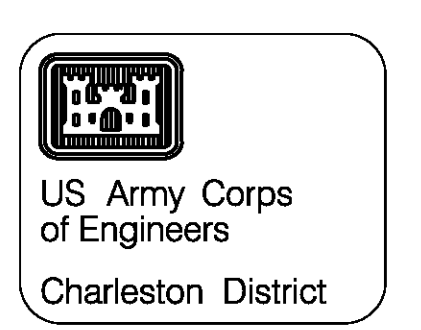




NOTES:  
 1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.  
 2. HORIZONTAL DATUM IS NAD 1983.  
 3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.  
 4. DATE OF SURVEY: 6, 7 NOV. 2012

NOVA Digital Systems, INC.  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

SCALE: 1" = 200'




DESIGNED BY	NOV. 2012
DRAWN BY	9456
CHECK BY	
REVIEWED BY	
DATE	NOV. 2012

U.S. ARMY ENGINEER DISTRICT  
 CHARLESTON, SOUTH CAROLINA

AWW WINDYHAY BAY TO CHARLESTON  
 STA. 375+16N TO 415+12N  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET  
 REFERENCE  
 NUMBER

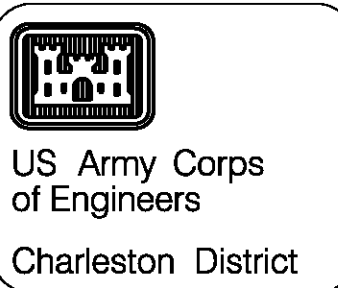
SHEET 24 OF 62



PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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

NOTES:  
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 2. HORIZONTAL DATUM IS NAD 1983.  
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 4. DATE OF SURVEY: 6 NOV. 2012

**NOVA Digital Systems, INC.**  
 PROFESSIONAL ENGINEERING DIVISION 1, 200 EAST  
 500 SOUTH CENTRAL AVENUE SUITE 101 FORTVILLE, NC 28054  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'



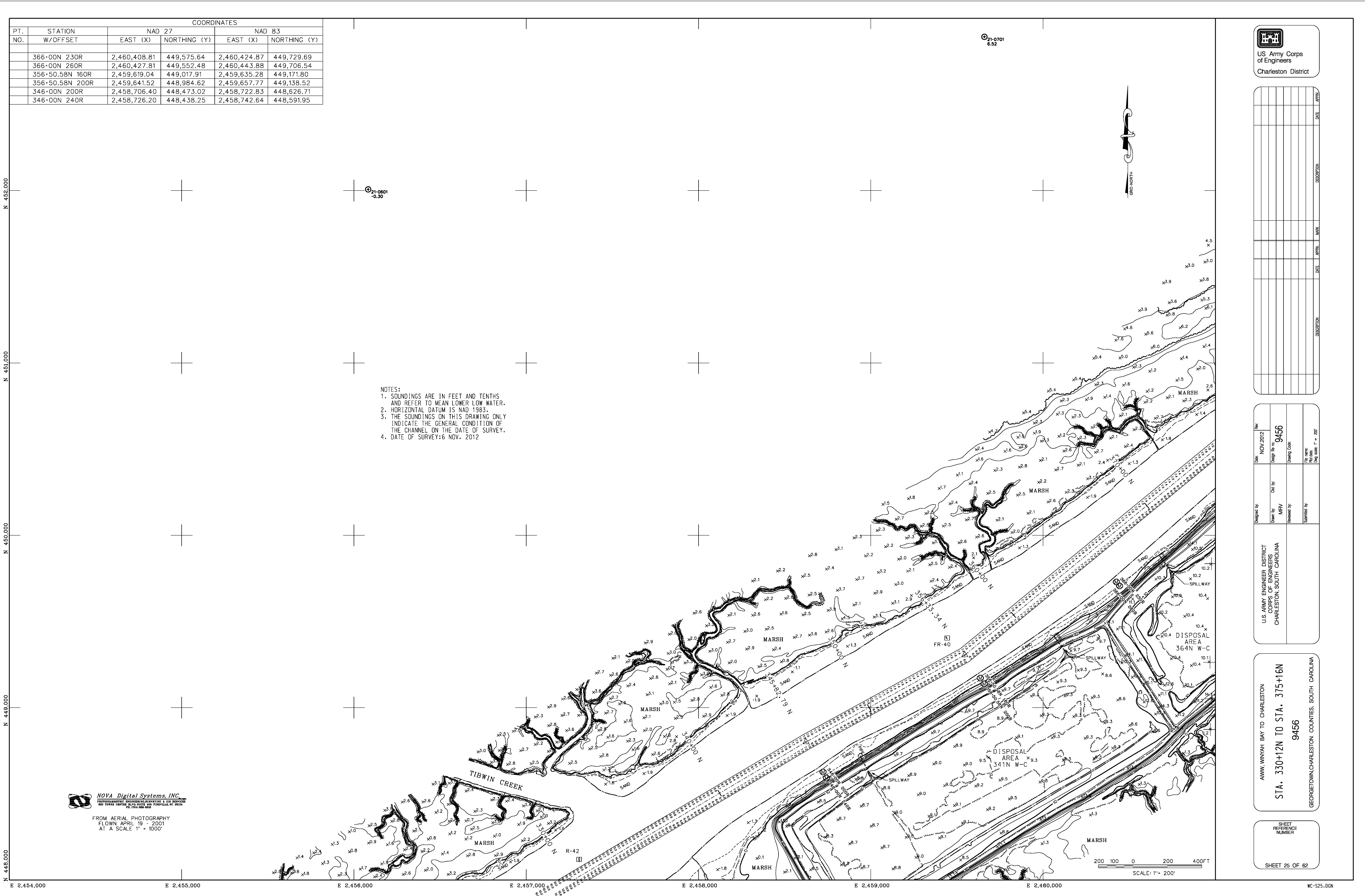
NO.	DATE	DESCRIPTION

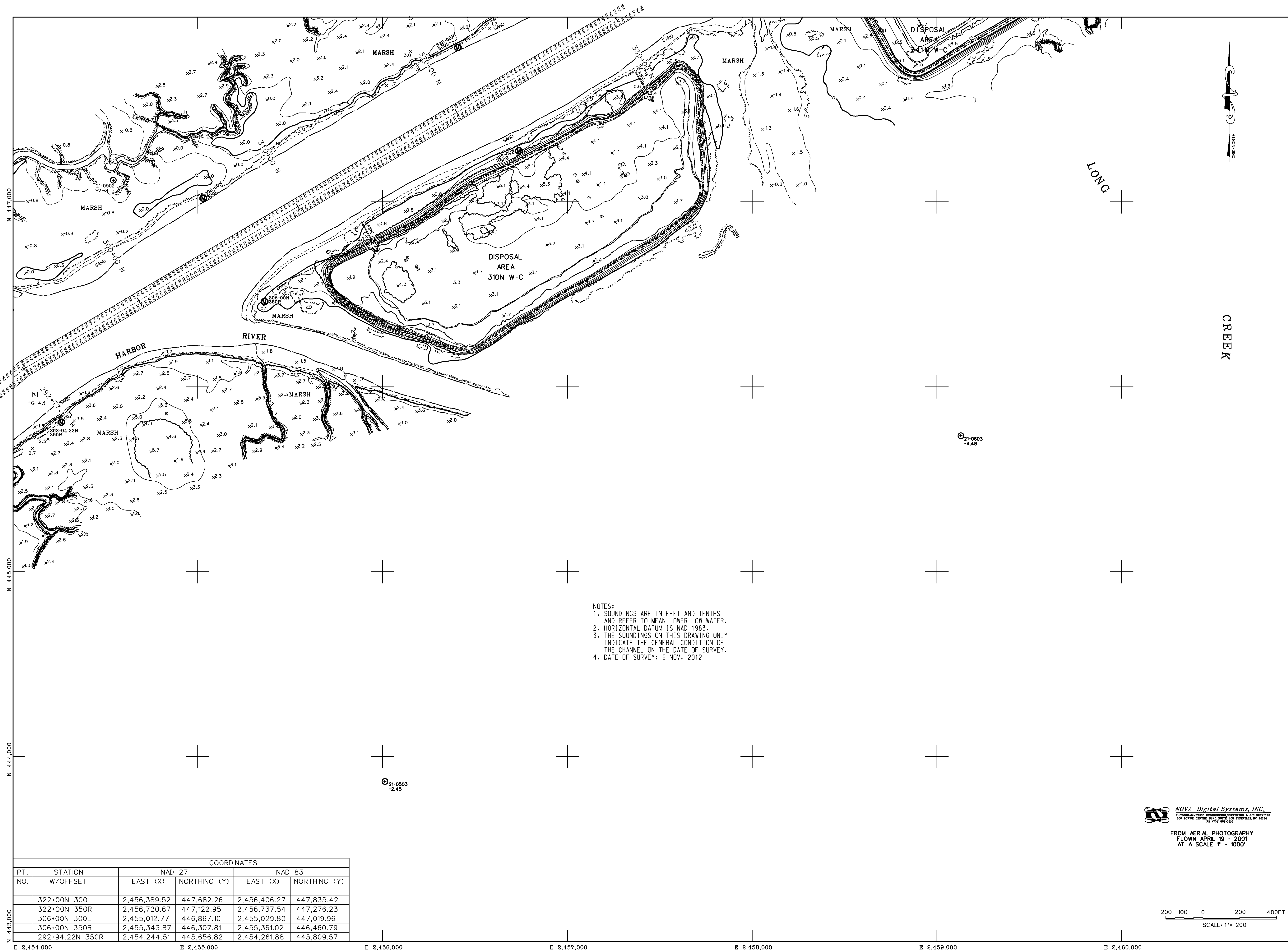
Designed by:	NOV 2012
Drawn by:	MEV
Checked by:	
Summary by:	
Date:	NOV 2012
Design No.:	9456
Drawing Code:	
Scale:	1" = 200'

WINYAH BAY TO CHARLESTON  
 STA. 330+12N TO STA. 375+16N  
 9456  
 GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET  
 REFERENCE  
 NUMBER  
 SHEET 26 OF 62

WC-525.DGN





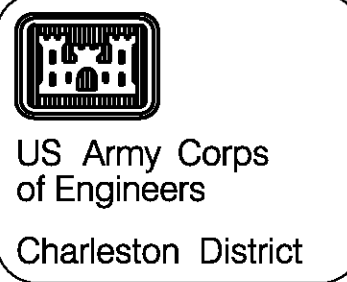
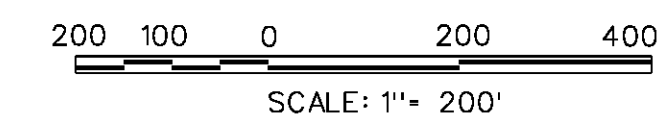
NOTES:  
 1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.  
 2. HORIZONTAL DATUM IS NAD 1983.  
 3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.  
 4. DATE OF SURVEY: 6 NOV. 2012

COORDINATES

PT. NO.	STATION W/OFFSET	NAD 27		NAD 83	
		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.**  
PROFESSIONAL ENGINEERING, SURVEYING, AND MAPPING  
 805 TORRAN CENTER BLVD. SUITE 400 FORT WORTH, TX 76104  
 817-734-8900

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



NO.	DATE	DESCRIPTION	BY	APP'D.

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA	NOV 2012
Drawn by: MEV	Checked by: 9456
Revised by:	Change Code:
Submitted by:	File Name:
	Plot Date:
	Plot Scale: 1" = 200'

AWW WINVAH BAY TO CHARLESTON  
 STA. 292+00N TO STA. 330+12N  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET  
 REFERENCE  
 NUMBER

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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	350L	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

21-0401  
2.85

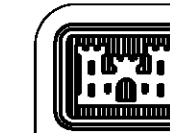
21-03A  
7.18

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: 6 NOV. 2012

NOVA Digital Systems, INC.  
 PHOTOGRAMMETRIC ENGINEERING, SURVEYING & GIS SERVICES  
 401 THREE COTTAGE AVENUE, SUITE 400, CHARLESTON, SC 29405  
 TEL: (704) 688-0000

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

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



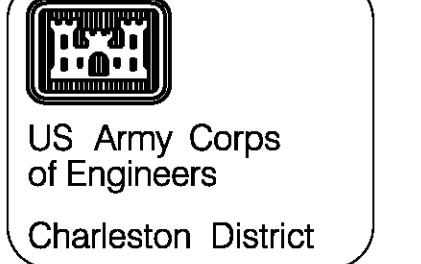
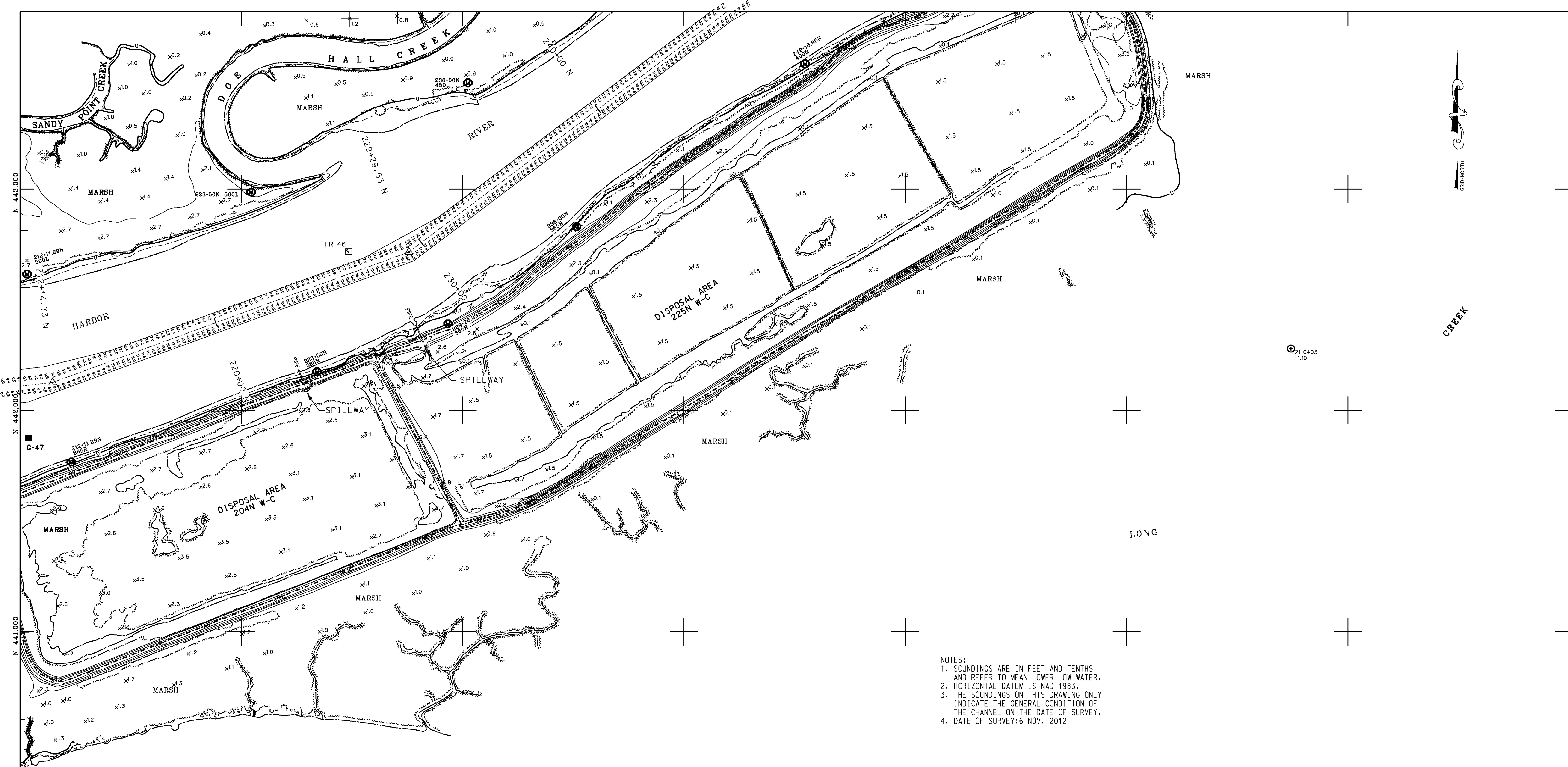
US Army Corps of Engineers  
 Charleston District

DATE	APPROVAL	DESCRIPTION

DESIGNED BY	NOV 2012
DRAWN BY	9456
CHECKED BY	
APPROVED BY	
DATE	NOV 2012
PROJECT NO.	9456
DRAWING CODE	
SCALE	1" = 200'

AWW, WINYAH BAY TO CHARLESTON  
 STA. 247+29N TO STA. 292+00N  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 27 OF 62



DATE	DESCRIPTION

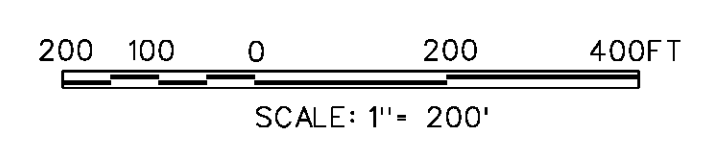
Prepared by:	Checked by:	Date:	NOV 2012
Drawn by:	Reviewed by:	Sheet No.:	9456
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA			

ANNA WINYAH BAY TO CHARLESTON  
**STA. 210+67N TO STA. 247+29N**  
 9456  
 GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET  
 REFERENCE  
 NUMBER  
 SHEET 28 OF 62

- NOTES:
- SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
  - HORIZONTAL DATUM IS NAD 1983.
  - THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
  - DATE OF SURVEY: 6 NOV. 2012

**NOVA Digital Systems, INC.**  
PHOTOGRAMMETRIC PROCESSING DIVISION, A DIVISION OF  
 NOVA CORP. 1500 W. 15TH ST. SUITE 1000, RICHMOND, VA 23261  
 TEL: 703-368-3800  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

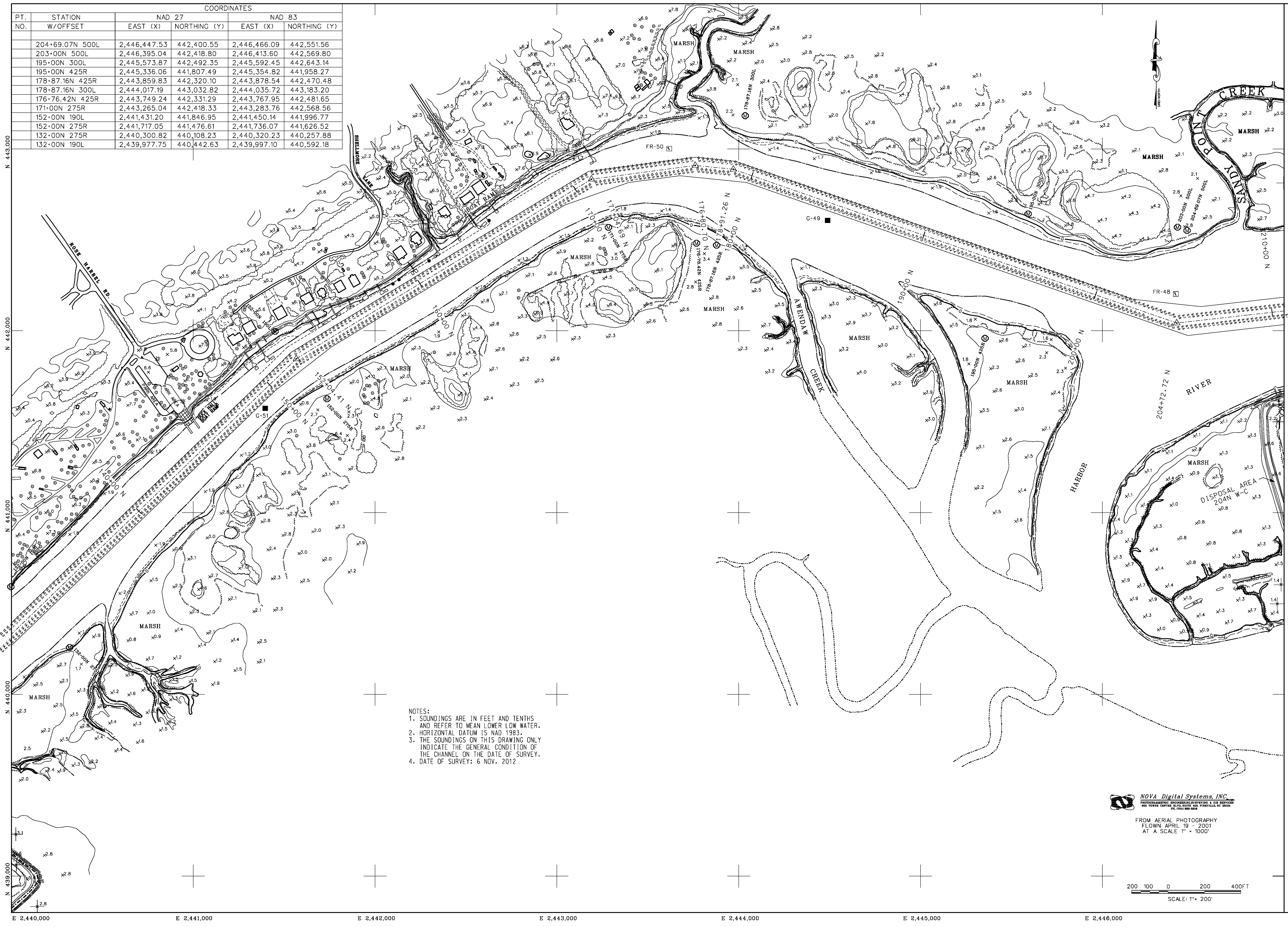


PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	249+18.95N 400R	2,450,528.54	443,413.82	2,450,546.65	443,565.78
	236+00N 365R	2,449,495.93	442,678.31	2,449,514.27	442,830.06
	236+00N 450L	2,449,005.26	443,328.76	2,449,023.47	443,480.35
	229+26.23N 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

E 2,447,000      E 2,448,000      E 2,449,000      E 2,450,000      E 2,451,000      E 2,452,000      E 2,453,000

WC-528-DGN

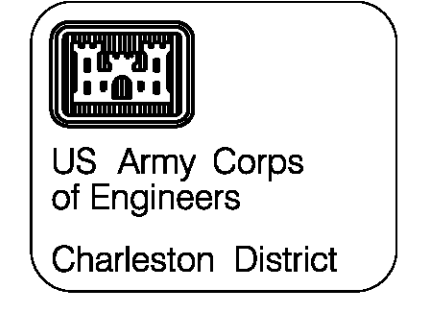
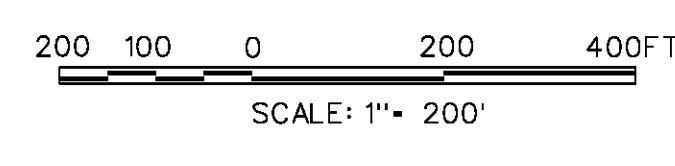
COORDINATES					
PT. NO.	STATION W/OFFSET	NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
204+69.07N	500L	2,446,447.53	442,400.55	2,446,466.09	442,551.56
203+00N	500L	2,446,395.04	442,418.80	2,446,413.60	442,569.80
195+00N	300L	2,445,573.87	442,492.35	2,445,592.45	442,643.14
195+00N	425R	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:  
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: 6 NOV. 2012

**NOVA Digital Systems, INC.**  
PROFESSIONAL ENGINEERING SERVICE & SUPPLY  
100 THREE CENTRAL BUSINESS CENTER DRIVE, SUITE 200  
FISHERS, VIRGINIA 22033

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



NO.	DATE	DESCRIPTION

DESIGNED BY	CHECKED BY	DATE
DRAWN BY	DATE	NOV. 2012
REVIEWED BY		PROJECT NO. 9456
DATE		DRAWING CODE
		BY NAME
		DATE
		NO. SHEETS
		NO. 29 OF 62

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

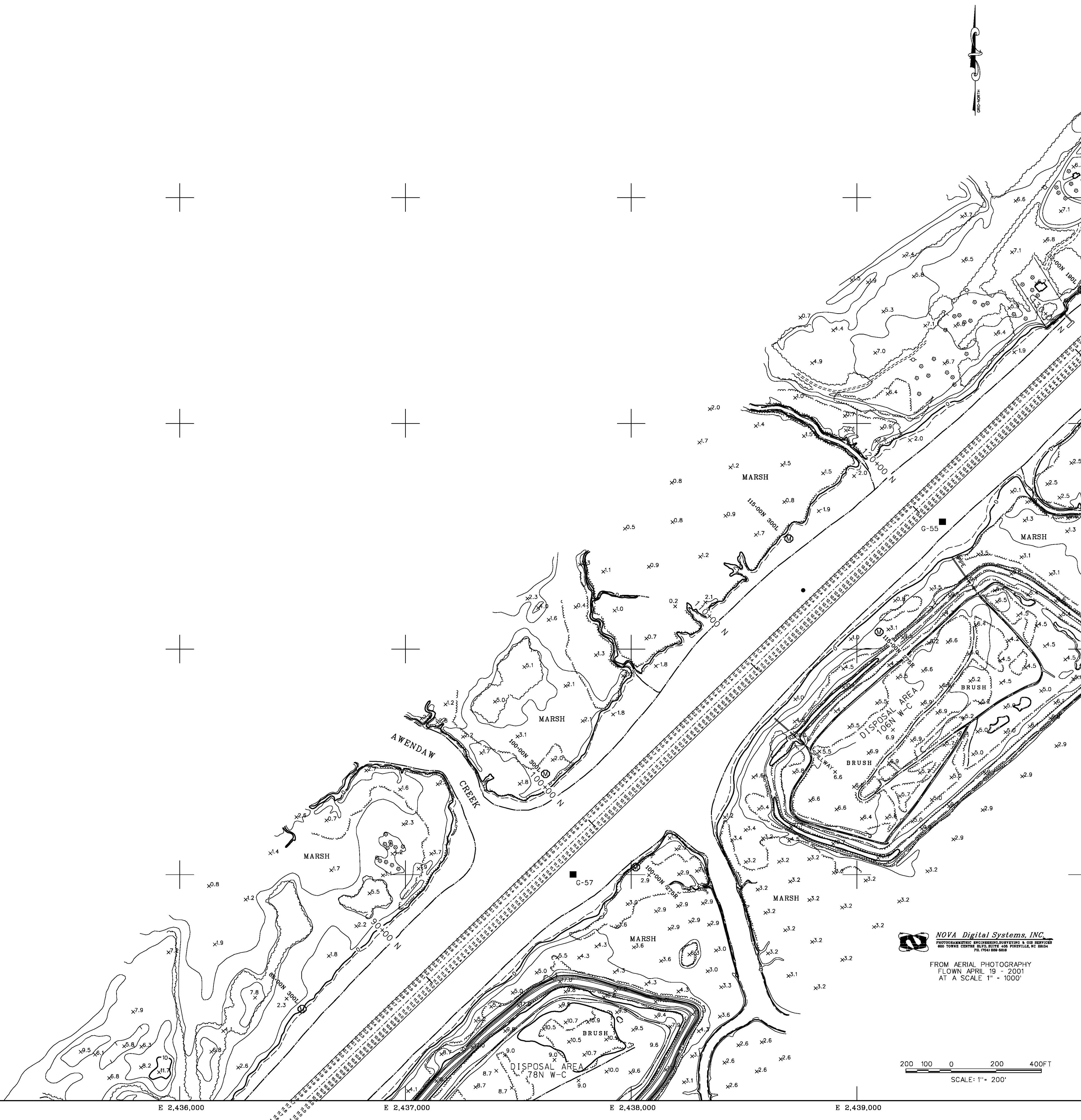
AMW WYNAH BAY TO CHARLESTON  
STA. 130+25N TO STA. 210+67N  
9456  
GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET  
REFERENCE  
NUMBER

SHEET 29 OF 62

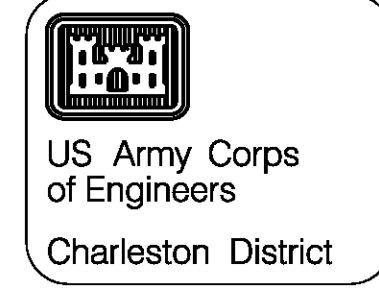
PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	132+00N 190L	2,439,977.75	440,442.63	2,439,997.10	440,592.18
	115+00N 300L	2,438,678.81	439,340.54	2,438,698.48	439,489.85
	115+00N 275R	2,439,078.31	438,927.07	2,439,098.06	439,076.50
	100+00N 275R	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:  
 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: 6 NOV. 2012



NOVA Digital Systems, INC.  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

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



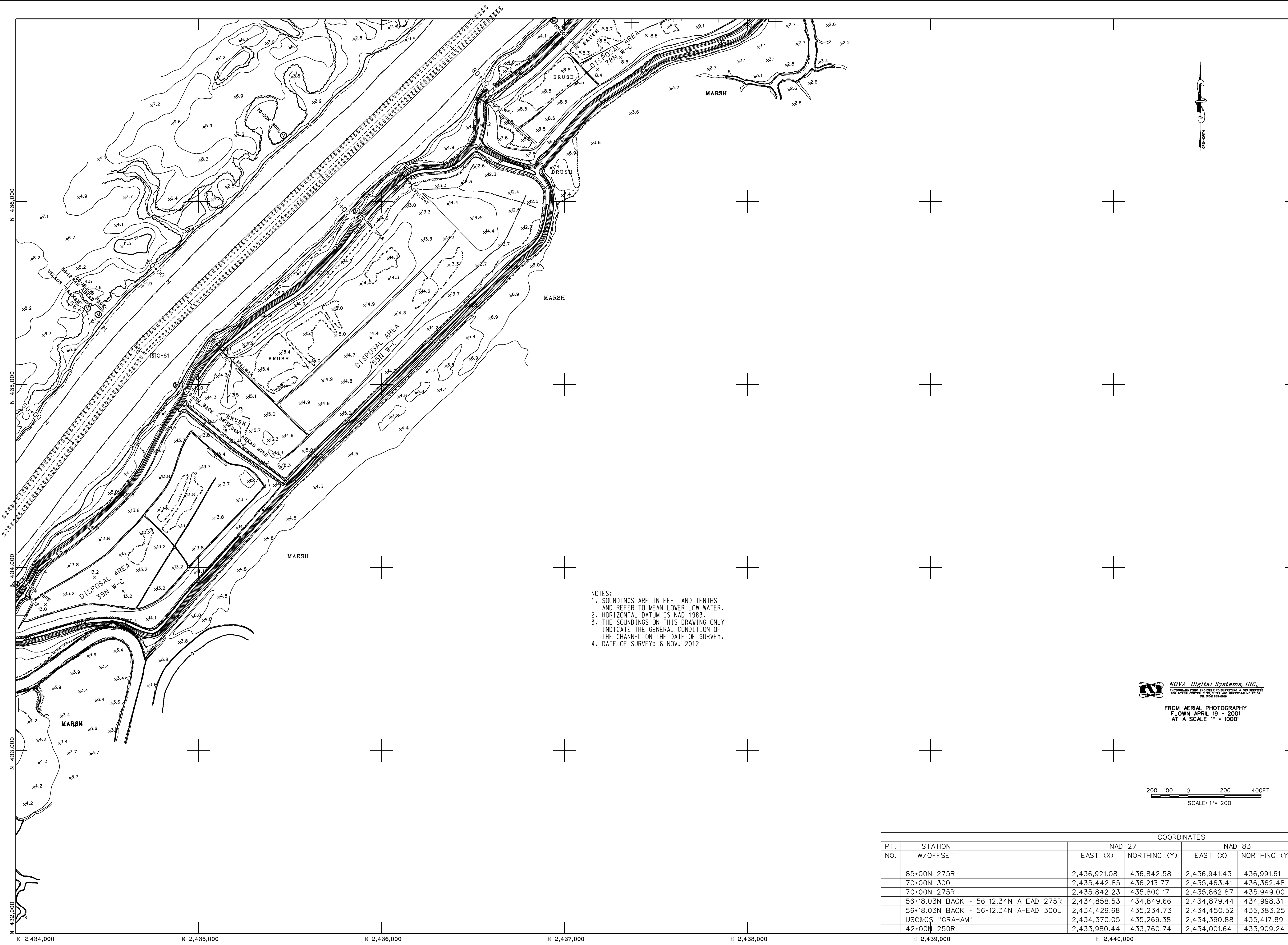
NO.	DATE	BY	DESCRIPTION

DESIGNED BY	NOV/2012
DRAWN BY	MRV
CHECKED BY	MRV
DATE	NOV 2012
PROJECT NO.	9456
DRAWING CODE	
SCALE	1" = 200'
DATE	NOV 2012
BY	MRV
DATE	NOV 2012

AWM WINNAH BAY TO CHARLESTON  
 STA. 82+33N TO STA. 130+25N  
 9456  
 GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET  
 REFERENCE  
 NUMBER  
 SHEET 30 OF 82

N 441,000  
 N 440,000  
 N 439,000  
 N 438,000  
 N 437,000  
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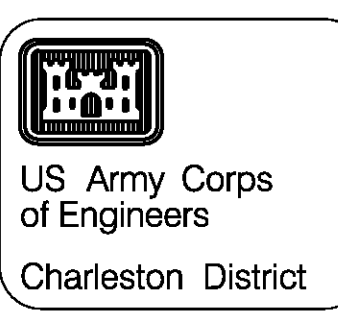
NOTES:  
 1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.  
 2. HORIZONTAL DATUM IS NAD 83.  
 3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.  
 4. DATE OF SURVEY: 6 NOV. 2012

**NOVA Digital Systems, INC.**  
 PHOTOGRAMMETRIC DIGITIZATION SYSTEMS & SERVICES  
 800 TOMAS CENTER DRIVE SUITE 400 CHARLOTTE, NC 28203  
 (704) 584-8800

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

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

PT. NO.	STATION W/OFFSET	NAD 27		NAD 83	
		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&CS "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



DATE	APPN	DESCRIPTION

Designed by	NOV 2012	NOV 2012
Drawn by	NOV 2012	NOV 2012
Checked by	NOV 2012	NOV 2012
Reviewed by	NOV 2012	NOV 2012
Approved by	NOV 2012	NOV 2012
Scale	1" = 200'	1" = 200'

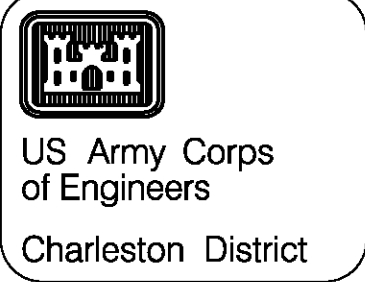
U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 CHARLESTON, SOUTH CAROLINA

Design No. **9456**  
 Drawing Code

AWW WINYAH BAY TO CHARLESTON  
 STA. 45+19N TO STA. 82+33N  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 31 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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	2,433,960.44	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



NO.	DATE	DESCRIPTION

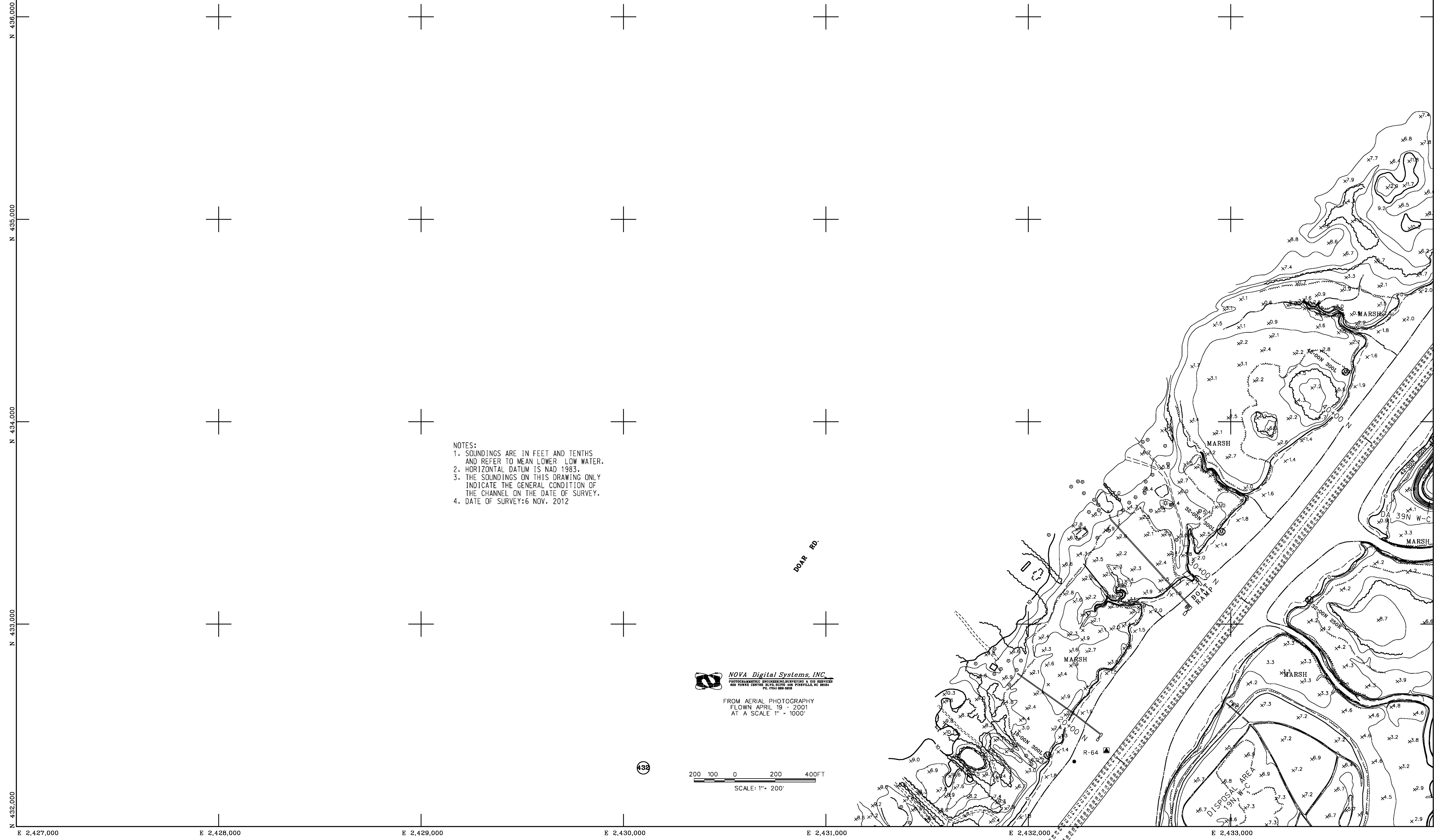
Designed By: _____	Date: NOV 2012
Drawn By: MRY	Design No: 9456
Reviewed By: _____	Drawing Code: _____
Submitted By: _____	File Name: _____
	Map Scale: 1" = 200'

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

AWW, WINVAH BAY TO CHARLESTON  
STA. 15+87N TO STA. 45+19N  
9456  
GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER

SHEET 32 OF 62



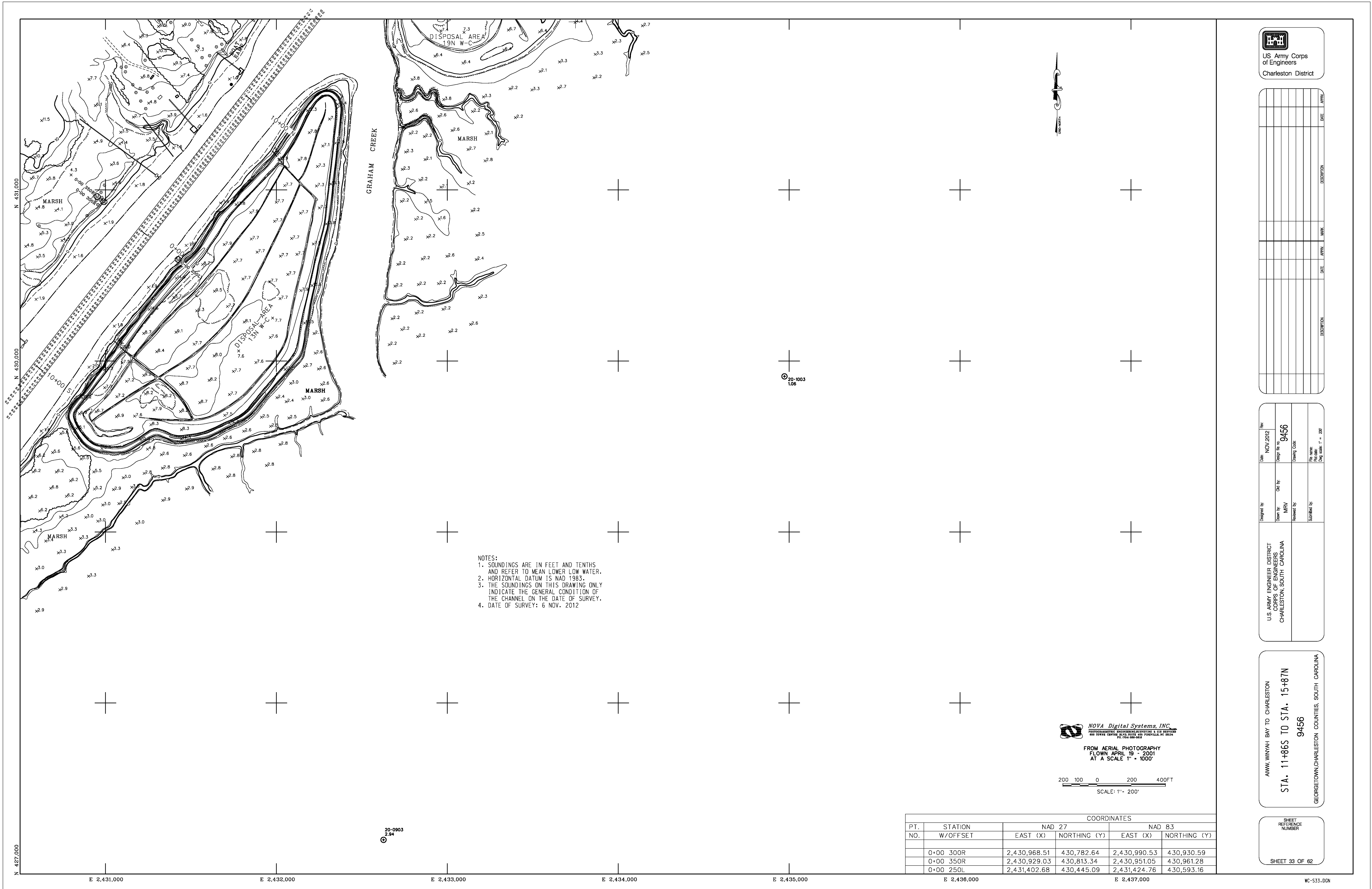
NOTES:  
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.  
2. HORIZONTAL DATUM IS NAD 1983.  
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.  
4. DATE OF SURVEY: 6 NOV. 2012

**NOVA Digital Systems, INC.**  
HYDROGRAPHIC SURVEYING SERVICES, A DIVISION OF  
NOVA SYSTEMS, INC. 1100 W. WILSON AVENUE, SUITE 100  
PHOENIX, AZ 85015  
TEL: 602-998-8888

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

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

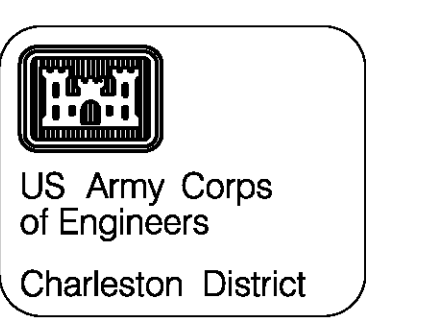




NOTES:  
 1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.  
 2. HORIZONTAL DATUM IS NAD 1983.  
 3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.  
 4. DATE OF SURVEY: 6 NOV. 2012

**NOVA Digital Systems, INC.**  
 PHOTOGRAMMETRIC MEASUREMENTS DIVISION, U.S. ARMY CORPS OF ENGINEERS  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'  
 SCALE: 1" = 200'

PT. NO.	STATION	COORDINATES			
		NAD 27	NAD 83		
	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



DATE	BY	DESCRIPTION

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

Checked by: MFB  
 Approved by: MFB  
 Date: NOV 2012  
 Drawing No: 9456  
 Drawing Date: 11/06/12

AWM WINYAH BAY TO CHARLESTON  
 STA. 11+86S TO STA. 15+87N  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

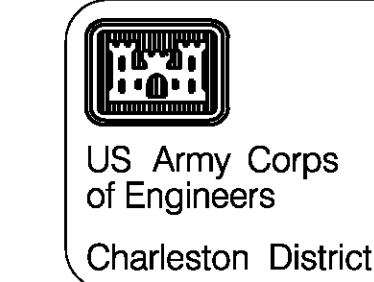
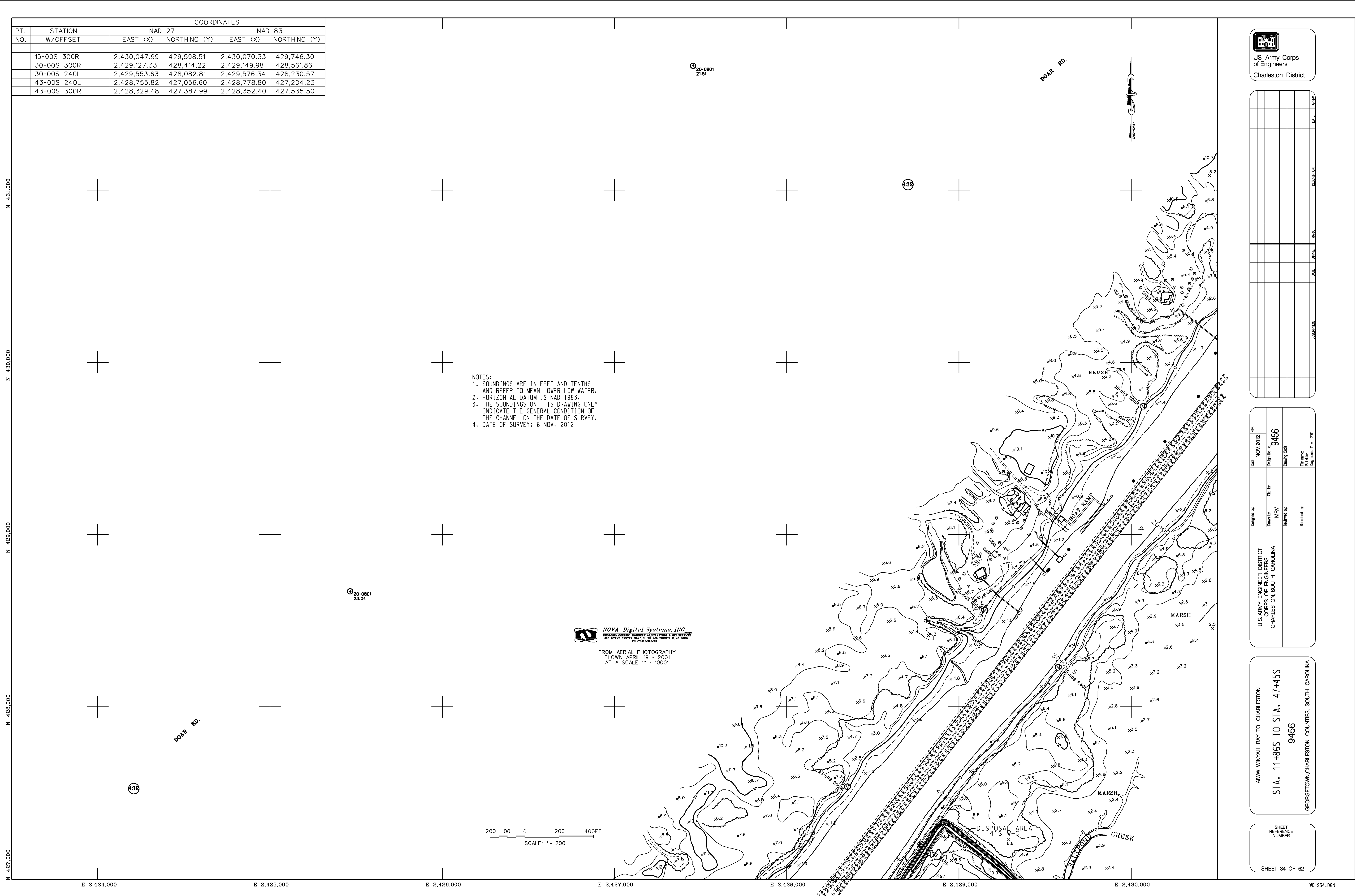
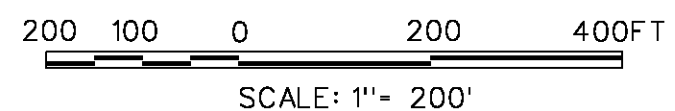
SHEET REFERENCE NUMBER  
 SHEET 33 OF 62

		COORDINATES			
PT. NO.	STATION W/OFFSET	NAD 27		NAD 83	
		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:  
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: 6 NOV. 2012

NOVA Digital Systems, INC.  
PROFESSIONAL ENGINEERING AND SURVEYING  
AND OTHER ENGINEERING AND SURVEYING SERVICES  
PA 17048-0410

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



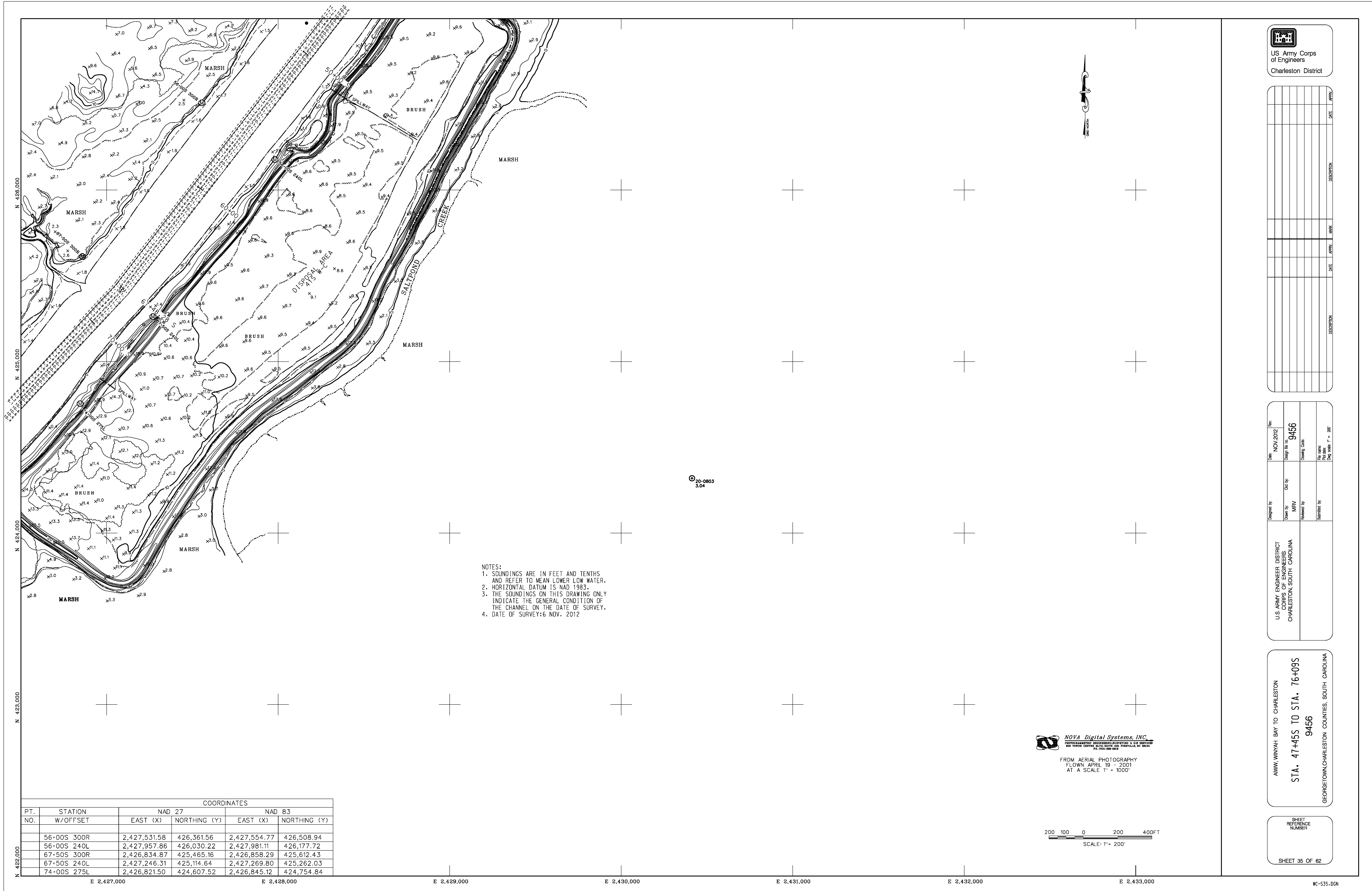
NO.	DATE	DESCRIPTION

DESIGNED BY: [Blank] DATE: NOV. 2012  
DRAFTSMAN: MFTV DRAWING NO.: 9456  
REVIEWER: [Blank] DATE: [Blank]  
SCALE: 1" = 200'

U.S. ARMY ENGINEER DISTRICT  
CHARLESTON, SOUTH CAROLINA

ANNA WINTAH BAY TO CHARLESTON  
STA. 11+863 TO STA. 47+453  
9456  
GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
SHEET 34 OF 62



© 20-0803  
5.04

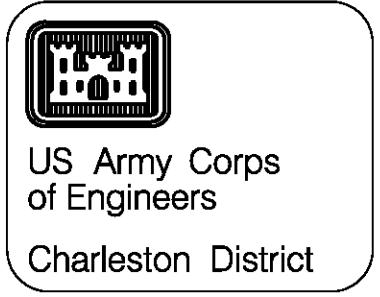
- NOTES:
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
  2. HORIZONTAL DATUM IS NAD 1983.
  3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
  4. DATE OF SURVEY: 6 NOV. 2012

COORDINATES					
PT. NO.	STATION W/OFFSET	NAD 27		NAD 83	
		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.**  
HYDROGRAPHIC SURVEYING DIVISION • 4100 WOODBRIDGE BOULEVARD • SUITE 200 • CHARLOTTE, NC 28217 • TEL: 704.366.0000

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

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



DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY

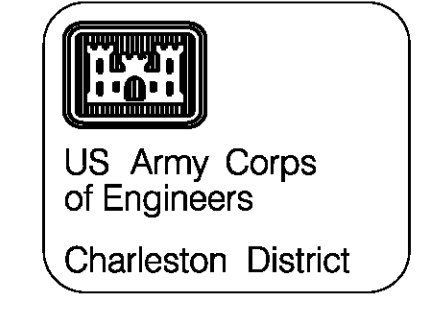
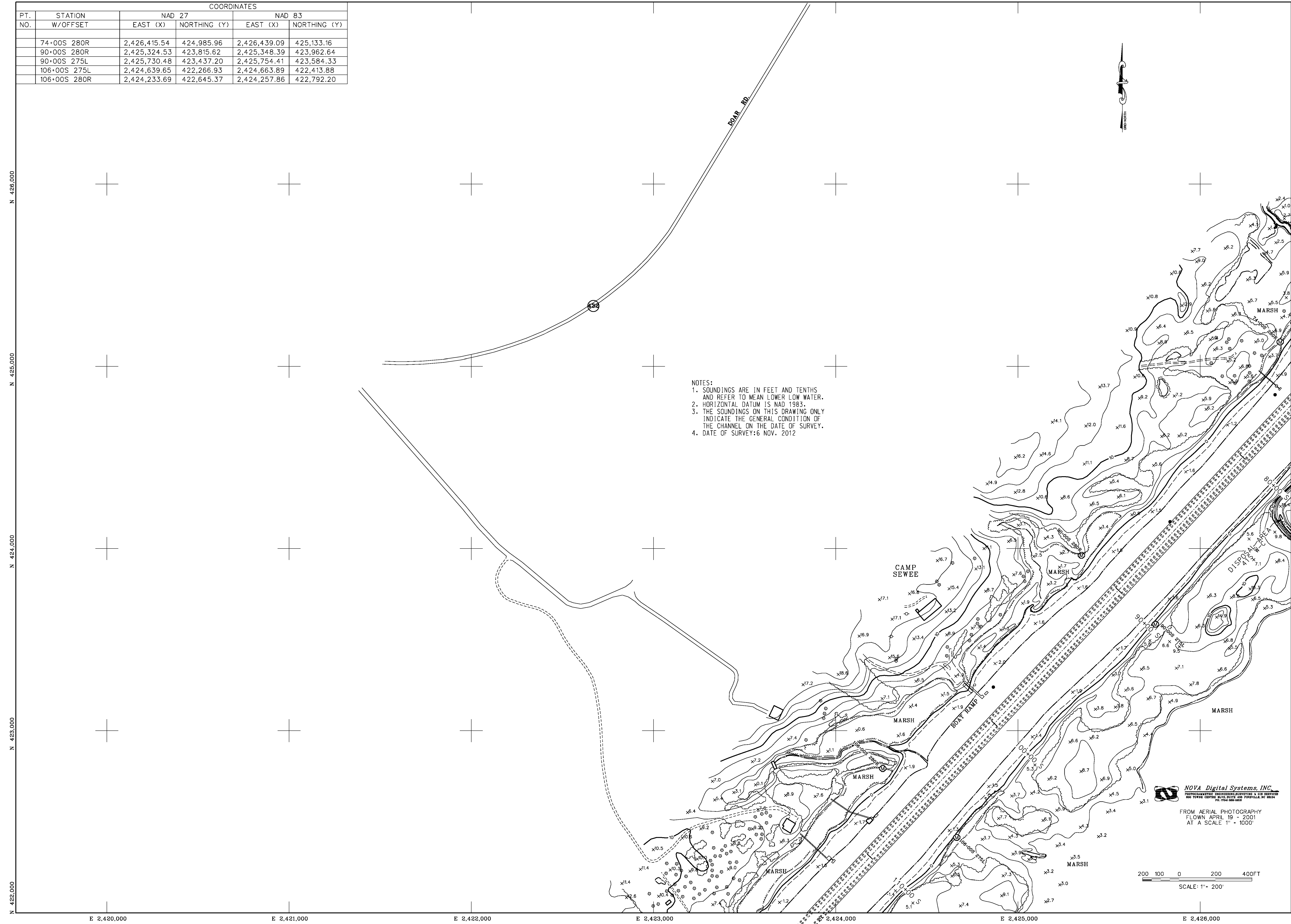
Drawn by: MURY	Checked by: MURY	Date: NOV. 2012	Project No: 9456
Released by: MURY	Scale: 1" = 200'	Sheet No: 35 OF 62	Drawn Date:

AWW, WINVAH BAY TO CHARLESTON  
 STA. 47+45S TO STA. 76+09S  
 9456  
 GEORGETOWN-CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 35 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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: 6 NOV. 2012



NO.	DATE	DESCRIPTION	BY	APP'D.

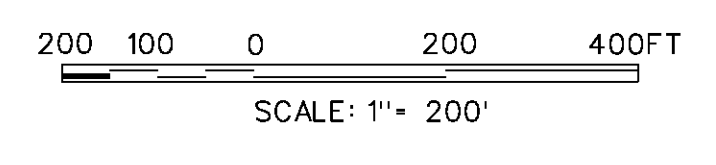
Designed by	NOV 2012	NO
Drawn by	MEV	9456
Checked by		
Reviewed by		
Submitted by		
File name		
Plot date		
Plot scale	1" = 200'	

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

AWW WINYAH BAY TO CHARLESTON  
 STA. 76+08S TO STA. 114+20S  
 9456  
 GEORGETOWN-CHARLESTON COUNTIES, SOUTH CAROLINA

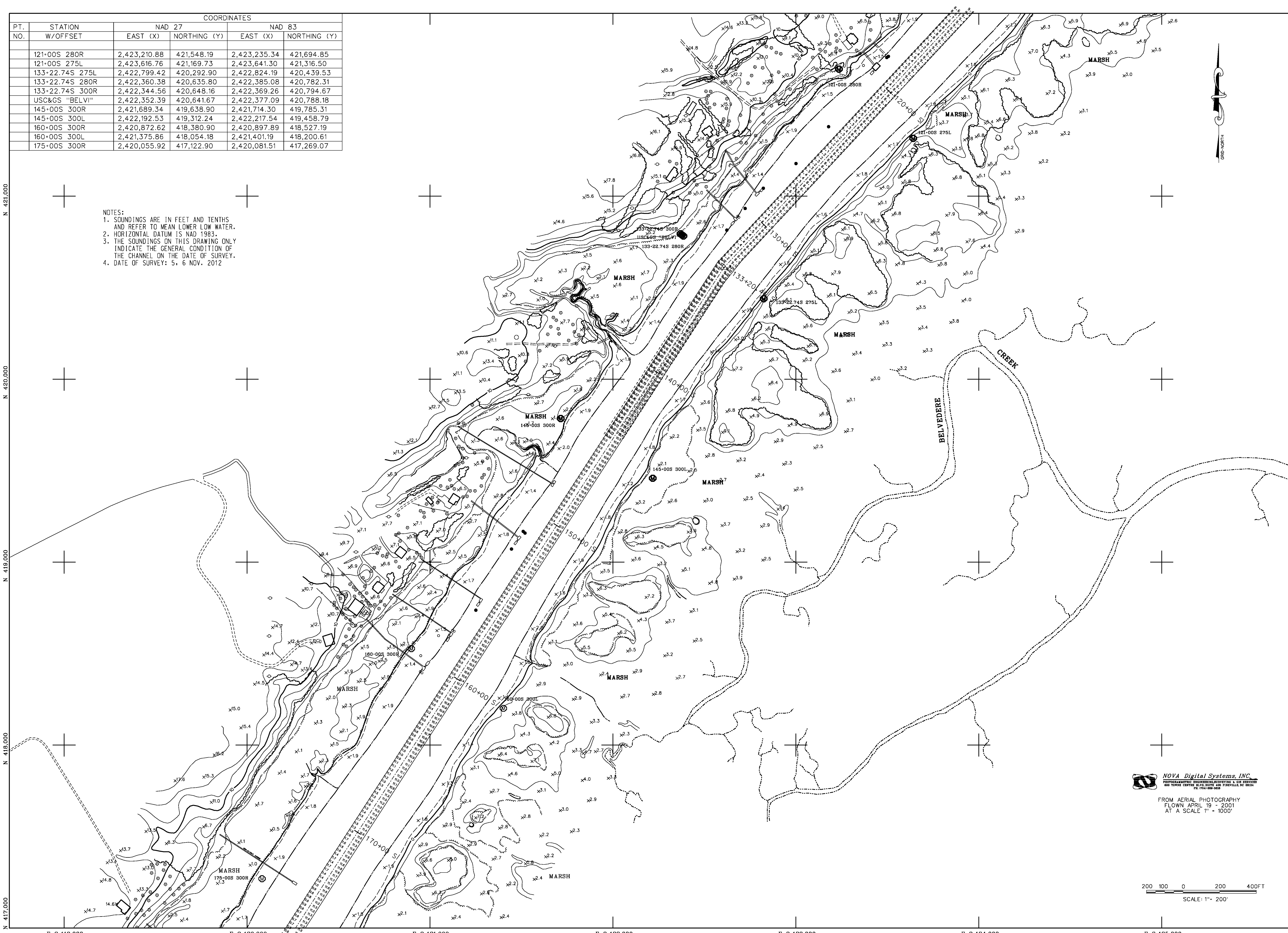
SHEET  
 REFERENCE  
 NUMBER  
 SHEET 36 OF 62

**NOVA Digital Systems, INC.**  
 PHOTOGRAPHIC INTERPRETATION DIVISION 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

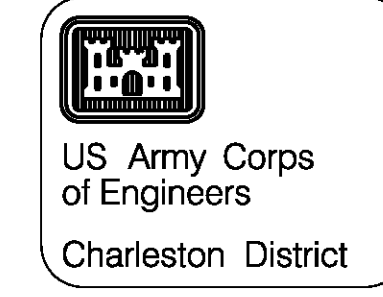
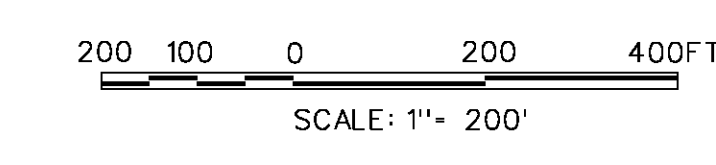


PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
121-00S 280R		2,423,210.88	421,548.19	2,423,235.34	421,694.85
121-00S 275L		2,423,616.76	421,169.73	2,423,641.30	421,316.50
133-22.74S 275L		2,422,799.42	420,292.90	2,422,824.19	420,439.53
133-22.74S 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: 5, 6 NOV. 2012



**NOVA Digital Systems, INC.**  
 PHOTOGRAPHIC INTERPRETATION SERVICE, A US SERVICE  
 AND NOAA CONTRACTOR FOR THE NATIONAL NAVIGATION DATA SERVICE  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'



DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION

Designed by	DATE	NOV 2012
Drawn by	DATE	NOV 2012
Checked by	DATE	NOV 2012
Reviewed by	DATE	NOV 2012
Approved by	DATE	NOV 2012
Scale	1" = 200'	

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

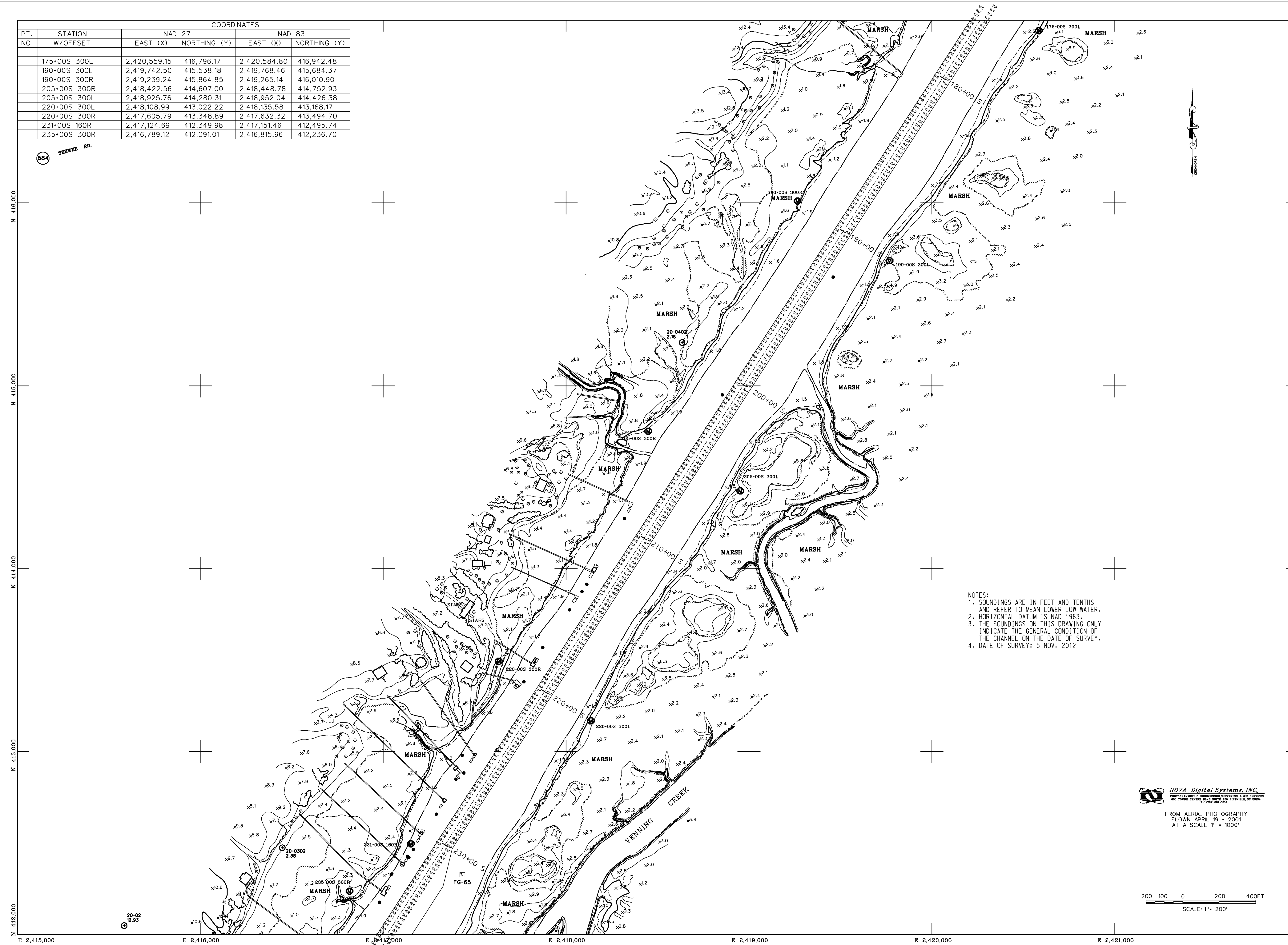
PROJECT NO. 9456

AWW WINYAH BAY TO CHARLESTON  
 STA. 114+20S TO STA. 176+23S  
 9456  
 GEORGETOWN-CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 37 OF 62

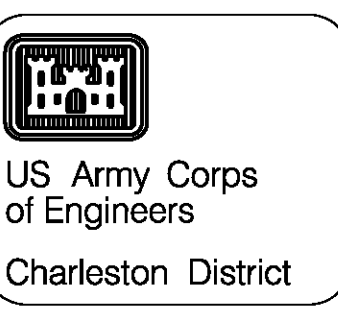
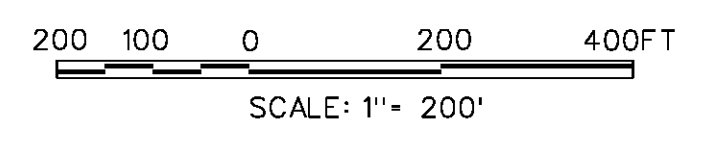
PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	175+00S 300L	2,420,559.15	416,796.17	2,420,584.80	416,942.48
	190+00S 300L	2,419,742.50	415,538.18	2,419,768.46	415,684.37
	190+00S 300R	2,419,239.24	415,864.85	2,419,265.14	416,010.90
	205+00S 300R	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

584 SEWER RD.



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: 5 NOV. 2012

NOVA Digital Systems, INC.  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'



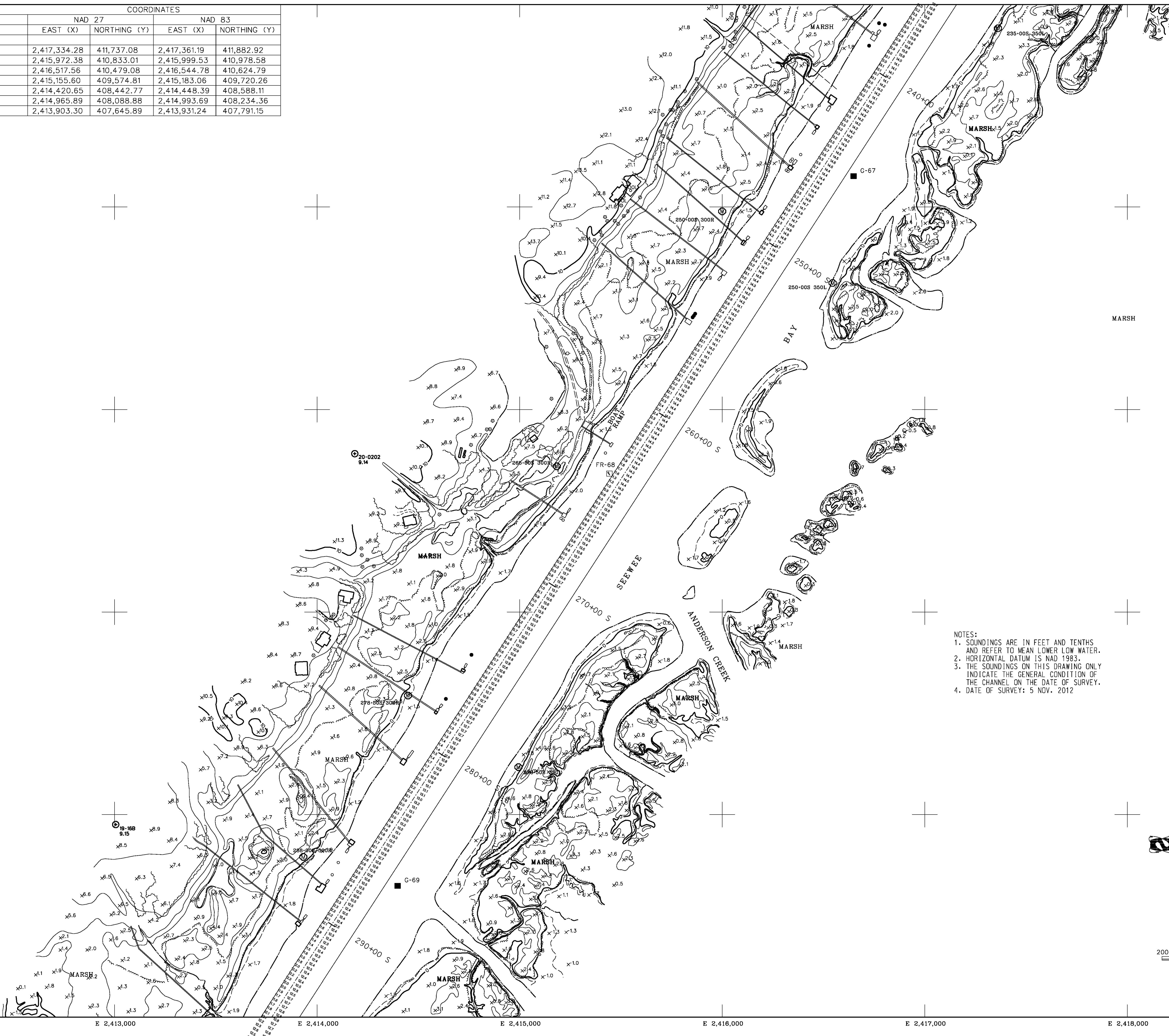
DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY

Designed by:	Drawn by:	Checked by:	Submitted by:
	MRY		
Date:	Design No.:	Sheet No.:	Scale:
NOV 2012	9456		
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA			

AWW, WINVAH BAY TO CHARLESTON  
 STA. 176+235 TO STA. 235+845  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 38 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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



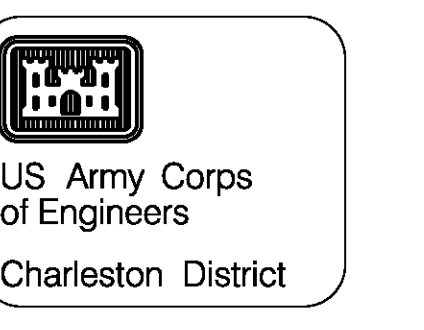
NOTES:  
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.  
2. HORIZONTAL DATUM IS NAD 1983.  
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.  
4. DATE OF SURVEY: 5 NOV. 2012

NOVA Digital Systems, INC.  
FROM AERIAL PHOTOGRAPHY  
FLOWN APRIL 19, 2001  
AT A SCALE 1" = 1000'

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

N 411,000  
N 410,000  
N 408,000  
N 406,000  
N 407,000

E 2,412,000
E 2,413,000
E 2,414,000
E 2,415,000
E 2,416,000
E 2,417,000
E 2,418,000



DATE	APP'D.	DATE	APP'D.	DESCRIPTION

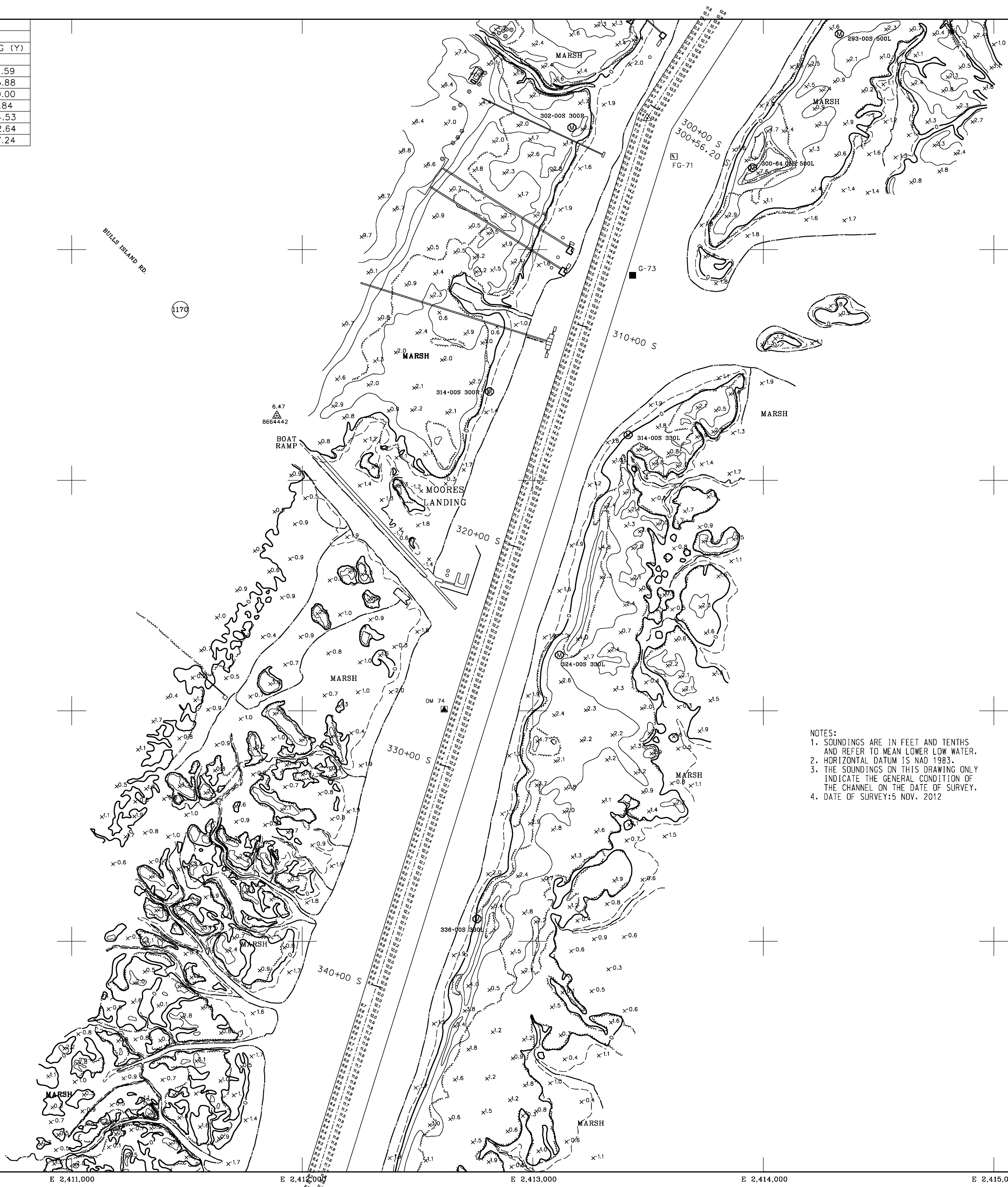
Designed by:	MEV
Drawn by:	MEV
Checked by:	
Reviewed by:	
Submitted by:	

U.S. ARMY ENGINEER DISTRICT  
CHARLESTON, SOUTH CAROLINA

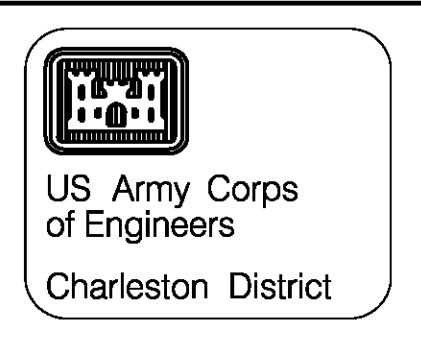
ANNW, WINTAH BAY TO CHARLESTON  
STA. 235+84S TO STA. 295+44S  
9456  
GEORGETOWN-CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
SHEET 39 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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: 5 NOV. 2012



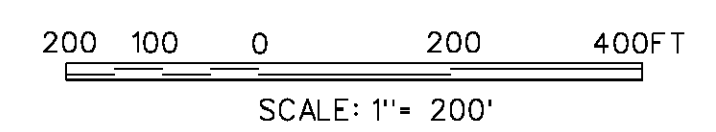
DATE	DESCRIPTION	DATE	DESCRIPTION

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA	NOV 2012	NOV 2012
Drawn by: MRY	Design No.: 9456	DATE: NOV 2012
Checked by: [blank]	Drawing Code: [blank]	
Reviewed by: [blank]		
Approved by: [blank]		
	File name: [blank]	Draw scale: 1" = 200'

AWW, WINNAH BAY TO CHARLESTON  
 STA. 295+44S TO STA. 348+44S  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET  
 REFERENCE  
 NUMBER  
 SHEET 40 OF 62

NOVA Digital Systems, INC.  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

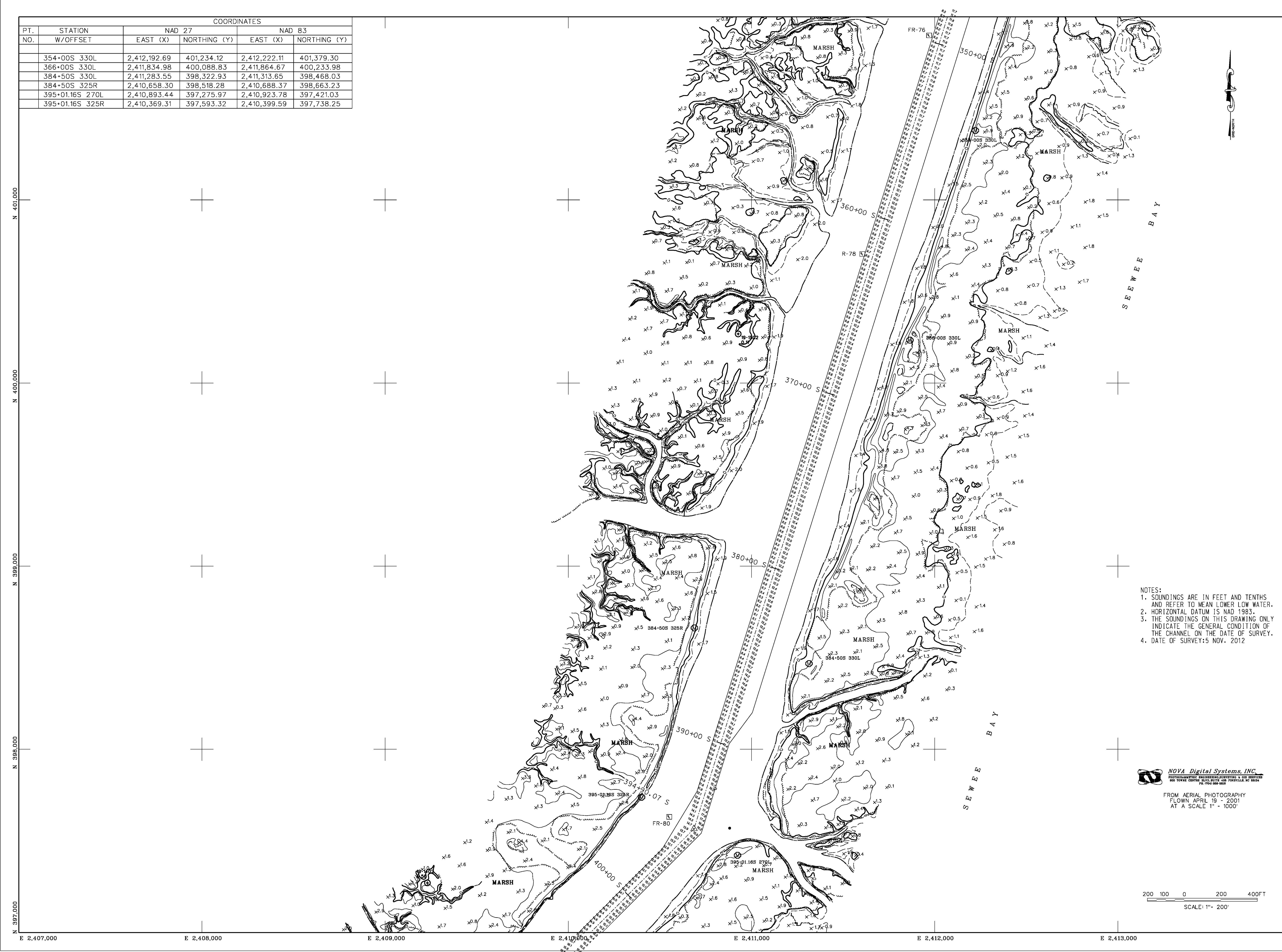


N 406,000  
 N 405,000  
 N 404,000  
 N 403,000  
 N 402,000

E 2,409,000 E 2,410,000 E 2,411,000 E 2,412,000 E 2,413,000 E 2,414,000 E 2,415,000

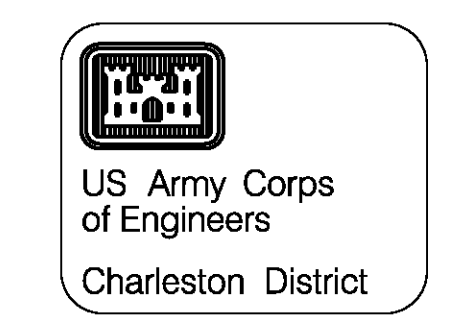
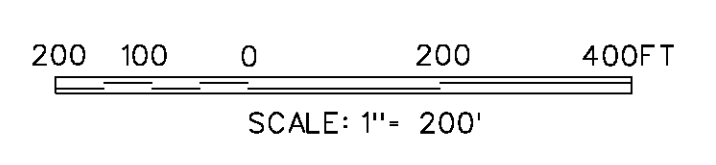


PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	354+00S 330L	2,412,192.69	401,234.12	2,412,222.11	401,379.30
	366+00S 330L	2,411,834.98	400,088.83	2,411,864.67	400,233.98
	384+50S 330L	2,411,283.55	398,322.93	2,411,313.65	398,468.03
	384+50S 325R	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.  
 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: 5 NOV. 2012

**NOVA Digital Systems, INC.**  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'



NO.	DATE	DESCRIPTION	BY

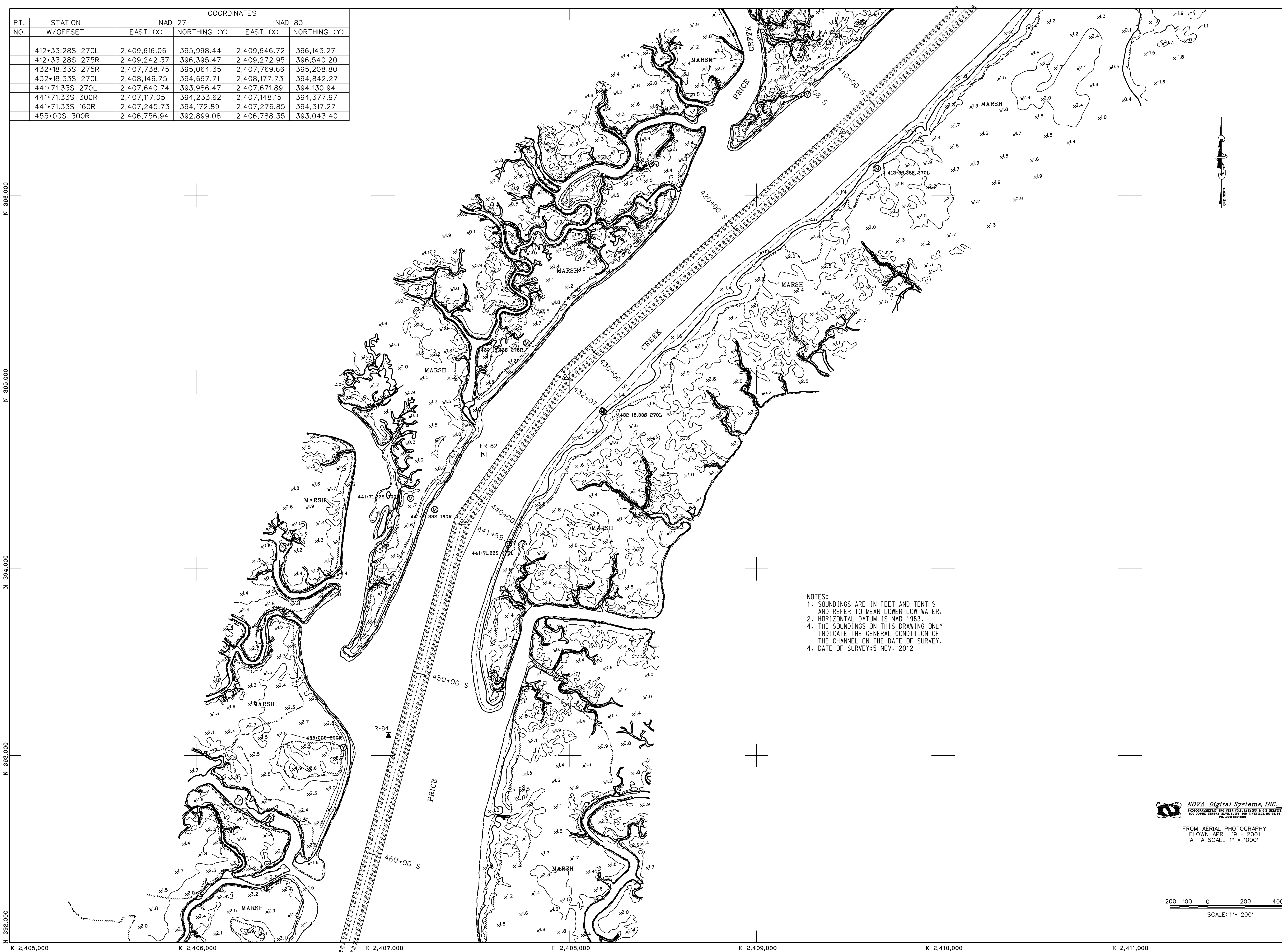
U.S. ARMY ENGINEER DISTRICT  
 CHARLESTON, SOUTH CAROLINA

Designated by: MRY  
 Drawn by: MRY  
 Checked by: MRY  
 Date: NOV 2012  
 Drawing No: 9456  
 Drawing Code: MRY  
 Sheet No: 41 OF 62  
 Date Scale: 1" = 200'

AMW, WINNAH BAY TO CHARLESTON  
 STA. 348+44S TO STA. 402+89S  
 9456  
 GEORGETOWN CHARLESTON COUNTIES, SOUTH CAROLINA

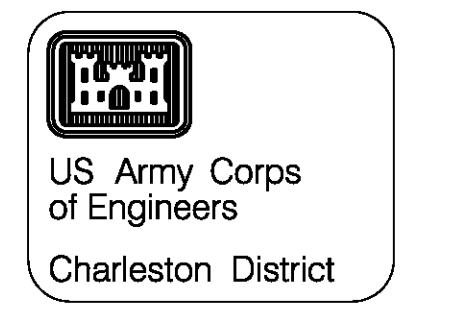
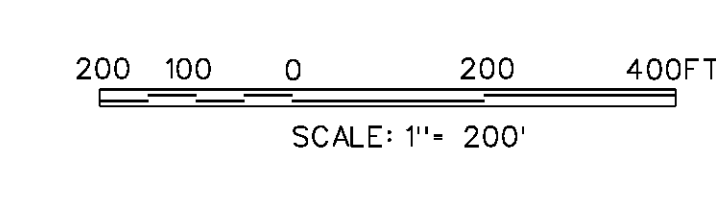
SHEET REFERENCE NUMBER  
 SHEET 41 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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.  
 3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.  
 4. DATE OF SURVEY: 5 NOV. 2012

NOVA Digital Systems, INC.  
 PHOTOGRAPHIC REVISION SYSTEMS, L.P. MEMBER OF NOVAPAC GROUP  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'



DATE	DESCRIPTION	DATE	APPROV.

Designed by:	NOV 2012
Drawn by:	9456
Checked by:	
Reviewed by:	
Submitted by:	
Scale:	1" = 200'

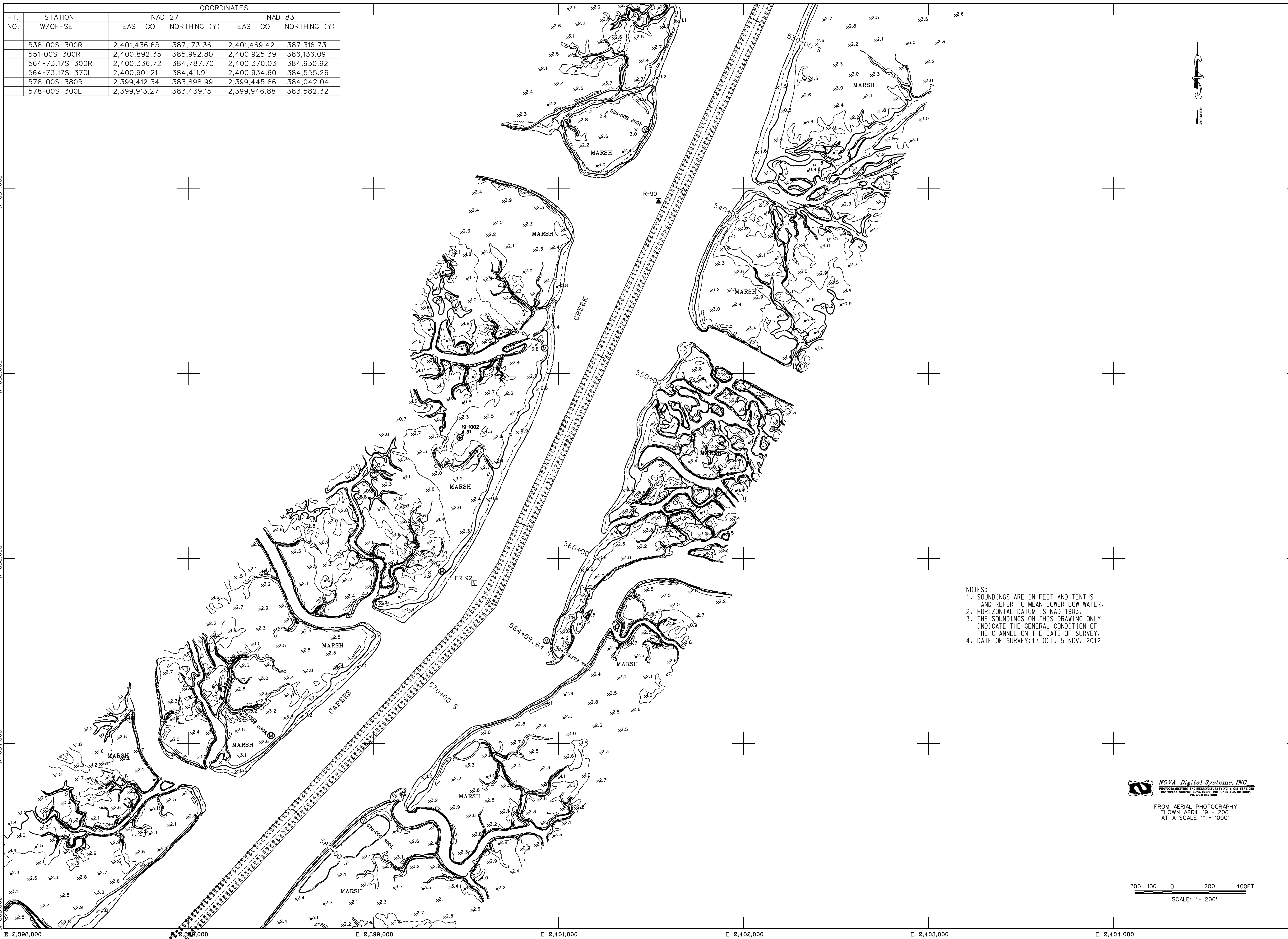
AWW, WINVAH BAY TO CHARLESTON  
 STA. 402+89S TO STA. 464+87S  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 42 OF 62





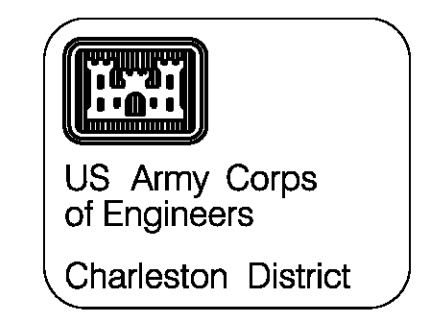
PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
538-00S 300R		2,401,436.65	387,173.36	2,401,469.42	387,316.73
551-00S 300R		2,400,892.35	385,992.80	2,400,925.39	386,136.09
564+73.17S 300R		2,400,336.72	384,787.70	2,400,370.03	384,930.92
564+73.17S 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: 17 OCT. 5 NOV. 2012

NOVA Digital Systems, Inc.  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

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



DATE	DESCRIPTION	DATE	DESCRIPTION

Designed by	NOV 2012
Drawn by	MEV
Checked by	MEV
Reviewed by	MEV
Stationed by	MEV
Project No.	9456
Sheet No.	45 OF 62

AWM WYVAH BAY TO CHARLESTON  
 STA. 528+95S TO STA. 588+52S  
 9456  
 GEORGETOWN CHARLESTON COUNTIES SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 45 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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

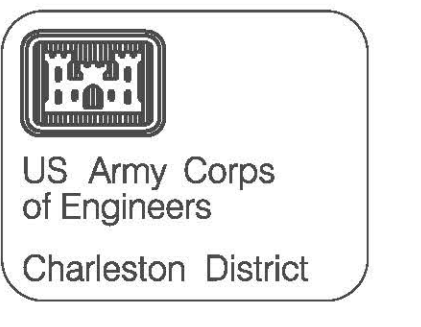


NOTES:  
1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.  
2. HORIZONTAL DATUM IS NAD 1983.  
3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.  
4. DATE OF SURVEY: 17 OCT. 2012

**NOVA Digital Systems, INC.**  
PHOTOGRAPHIC SURVEYING DIVISION  
800 TOPPER CENTER DRIVE, SUITE 100  
FARMVILLE, NC 27830  
TEL: 919-791-8888

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

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



DATE	DESCRIPTION

Designed by:	Checked by:	Date:
Drawn by:	Calculated by:	NOV/2012
Reviewed by:		

AWW, WINNAH BAY TO CHARLESTON  
CORPS OF ENGINEERS  
CHARLESTON, SOUTH CAROLINA  
9456

STA. 588+52S TO STA. 655+60S

GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

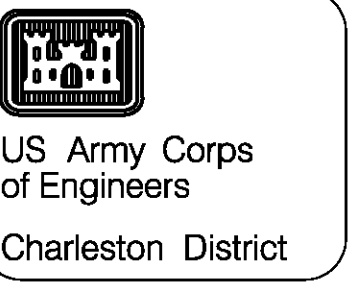
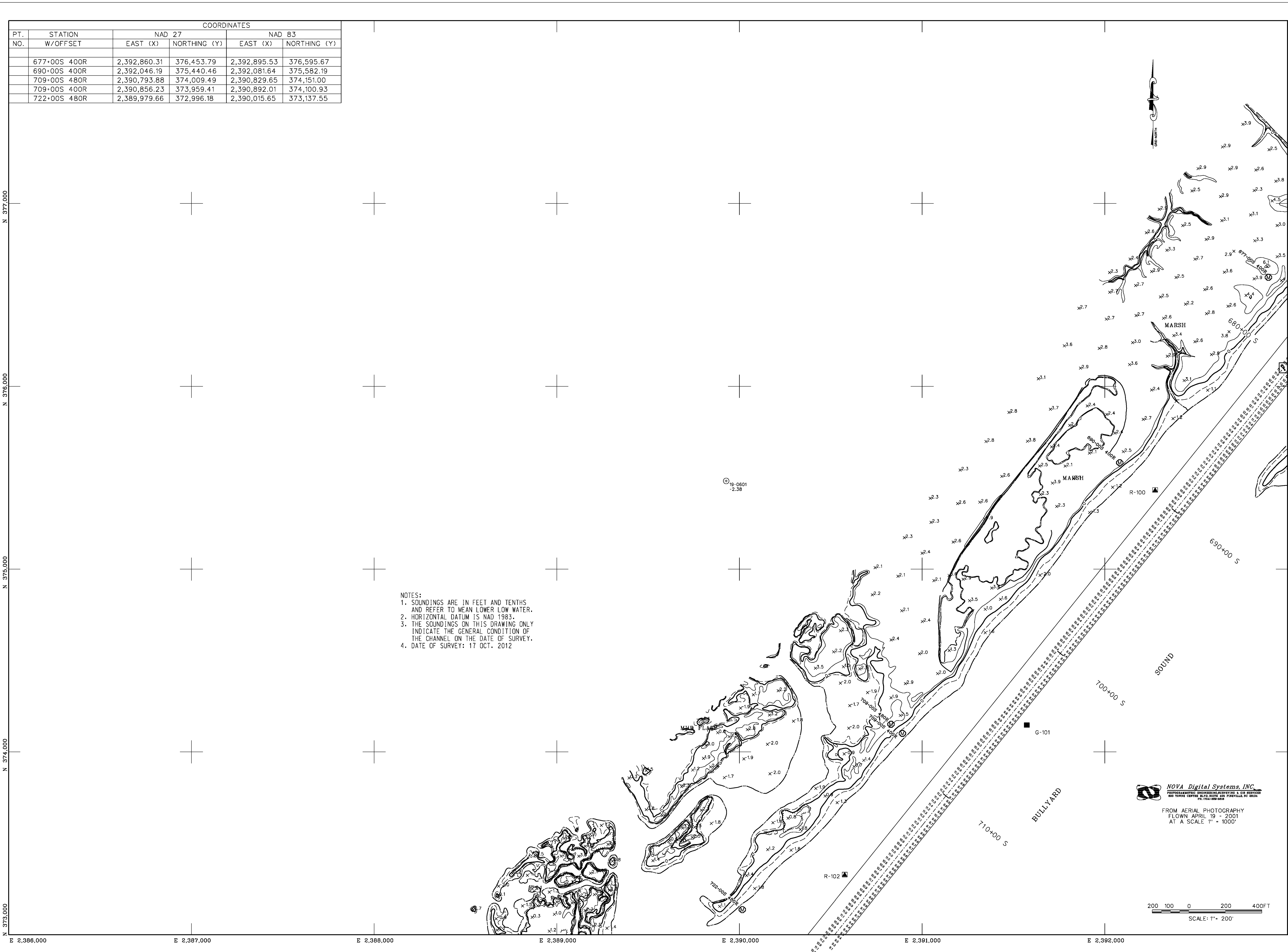
SHEET  
REFERENCE  
NUMBER

SHEET 48 OF 62



PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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:
- SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.
  - HORIZONTAL DATUM IS NAD 1983.
  - THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.
  - DATE OF SURVEY: 17 OCT. 2012



DATE	APPROVAL	MARK	DESCRIPTION

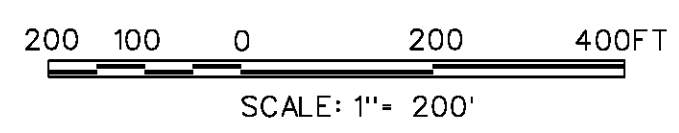
Prepared by:	NOV 2012	NO
Drawn by:	MRTY	9456
Checked by:		
Examined by:		
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA		

AWW, WINYAH BAY TO CHARLESTON  
STA. 680+14S TO STA. 719+73S  
9456  
GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

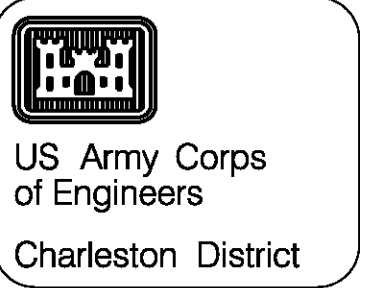
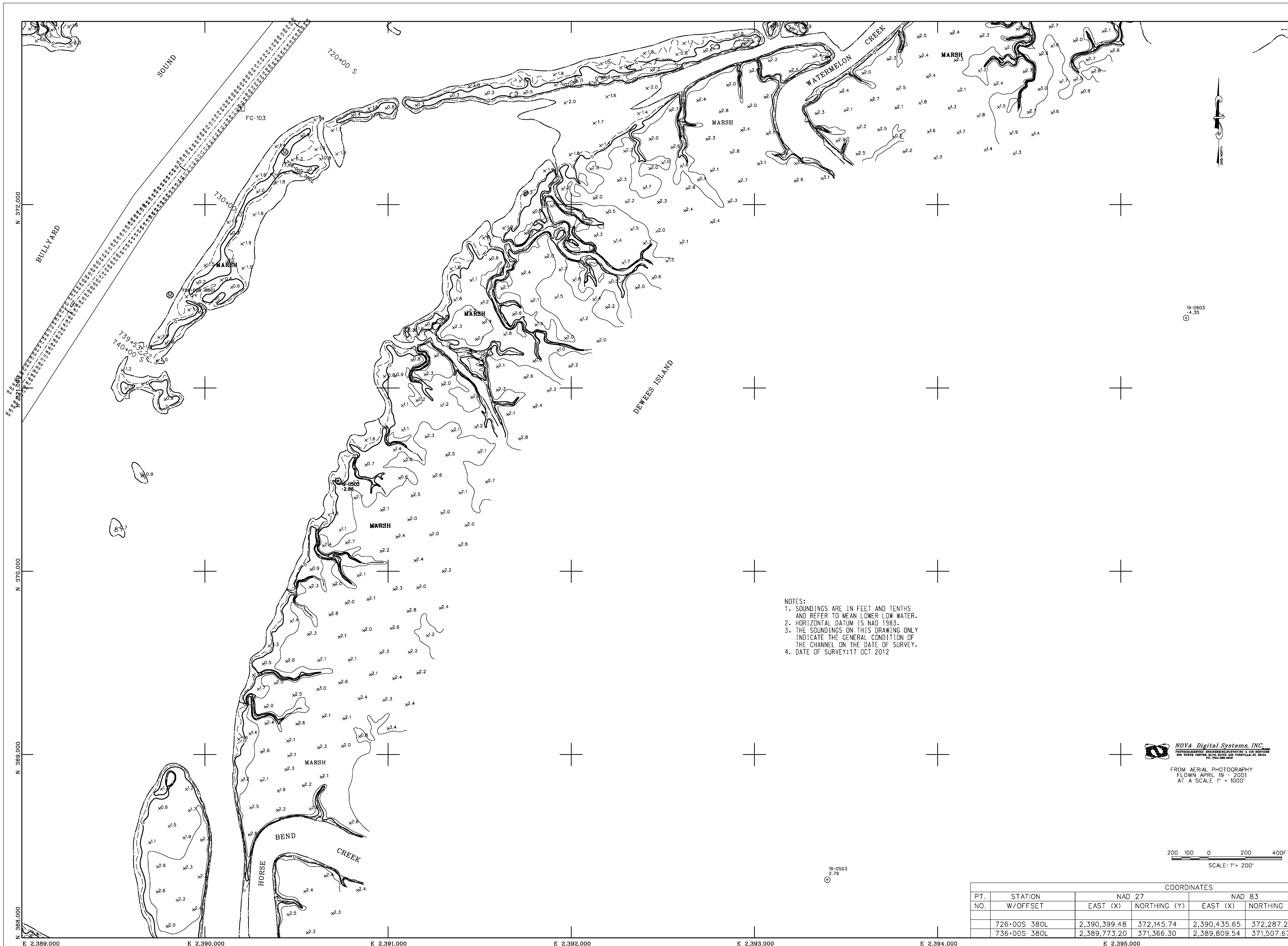
SHEET  
REFERENCE  
NUMBER  
SHEET 48 OF 62

**NOVA Digital Systems, INC.**  
PHOTOGRAMMETRIC ENGINEERING, SURVEYING & GIS SERVICES  
300 WYOMING AVENUE, SUITE 100, CHARLESTON, SC 29405  
TEL: 803.726.4000 FAX: 803.726.4001

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







NO.	DATE	DESCRIPTION	BY

U.S. ARMY ENGINEER DISTRICT CHARLESTON, SOUTH CAROLINA	NOV 2012 9456
Drawn by: MRY	Design Code:
Reviewed by:	Proj. Name:
Checked by:	Doc. Code: F = 201

ANNA WINKHAM BAY TO CHARLESTON  
STA. 719+73S TO STA. 744+71S  
9456  
GEORGETOWN-CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET  
REFERENCE  
NUMBER  
SHEET 48 OF 62

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: 17 OCT 2012

**NOVA Digital Systems, INC.**  
FEDERAL ACQUISITION REGULATORY GUIDE, 4.5.6.2.1  
 FOR SOURCE CAPITAL STOCK OFFERS AND TAKEOVERS BY OTHER  
 PUBLIC COMPANIES

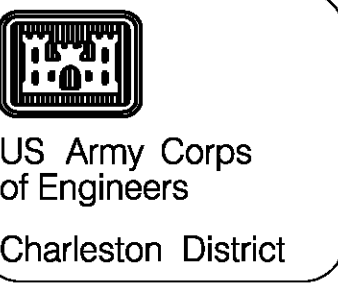
FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

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

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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:  
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: 17 OCT. 2012



NO.	DATE	BY	DESCRIPTION

Drawn By: MRY	Checked By: MRY	Date: NOV 2012	Sheet No: 9456
Designed By: MRY	Reviewed By: MRY	Project No: 9456	Scale: 1" = 200'

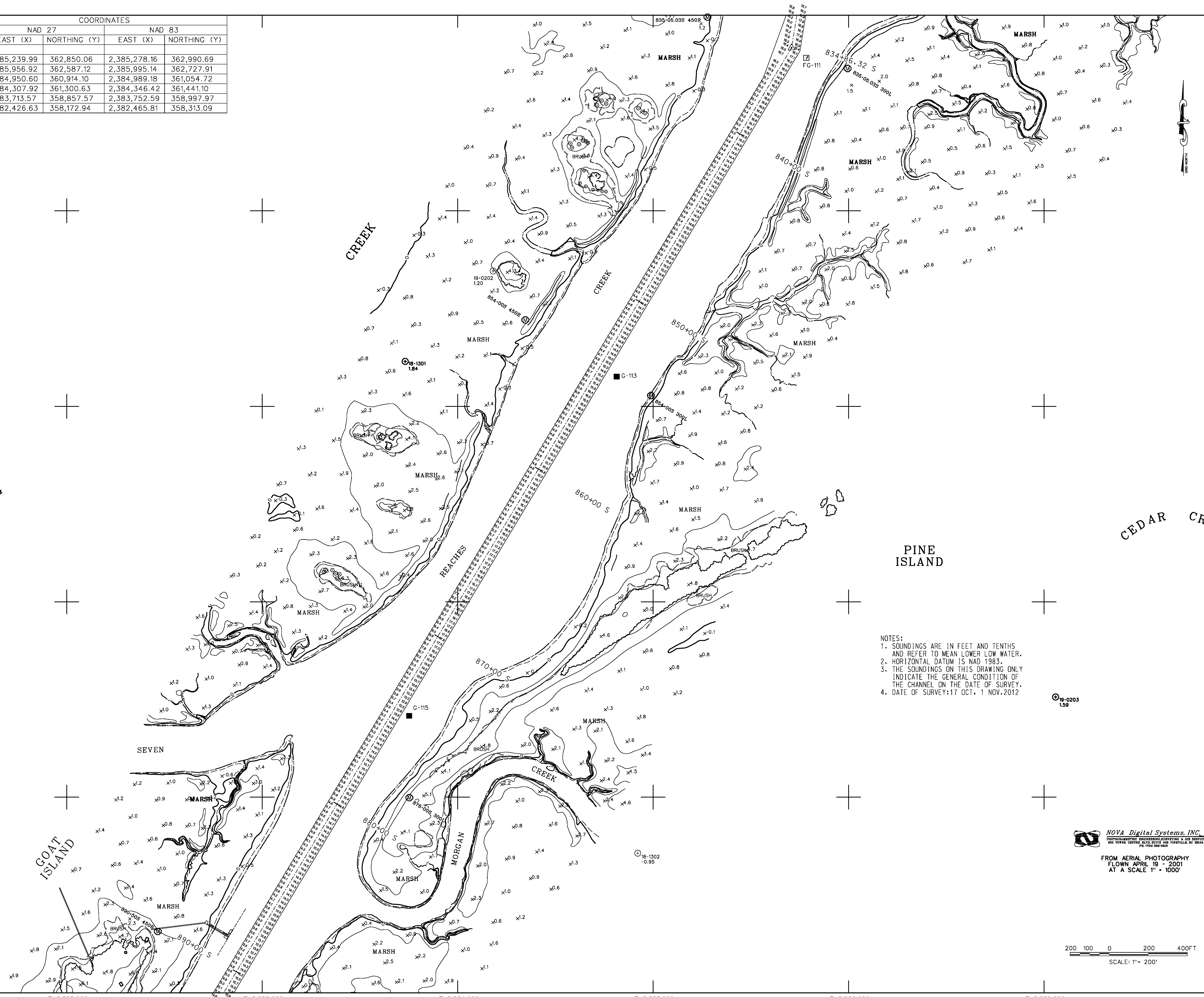
U.S. ARMY CORPS OF ENGINEERS DISTRICT OF CAROLINA CHARLESTON SOUTH CAROLINA  
AWW: WINNYAH BAY TO CHARLESTON  
STA. 744+71S TO STA. 780+69S  
9456  
GEORGETOWN, CHARLESTON, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
SHEET 50 OF 62



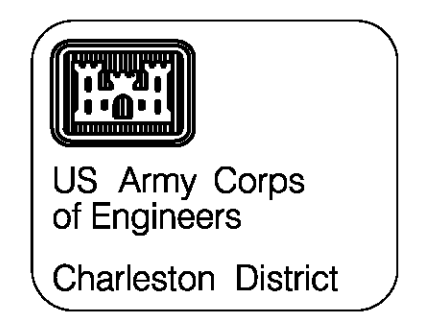


PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
835-05.03S 450R		2,385,239.99	362,850.06	2,385,278.16	362,990.69
835-05.03S 300L		2,385,956.92	362,587.12	2,385,995.14	362,727.91
854-00S 300L		2,384,950.60	360,914.10	2,384,989.18	361,054.72
854-00S 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: 17 OCT. 1 NOV. 2012

NOVA Digital Systems, INC.  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

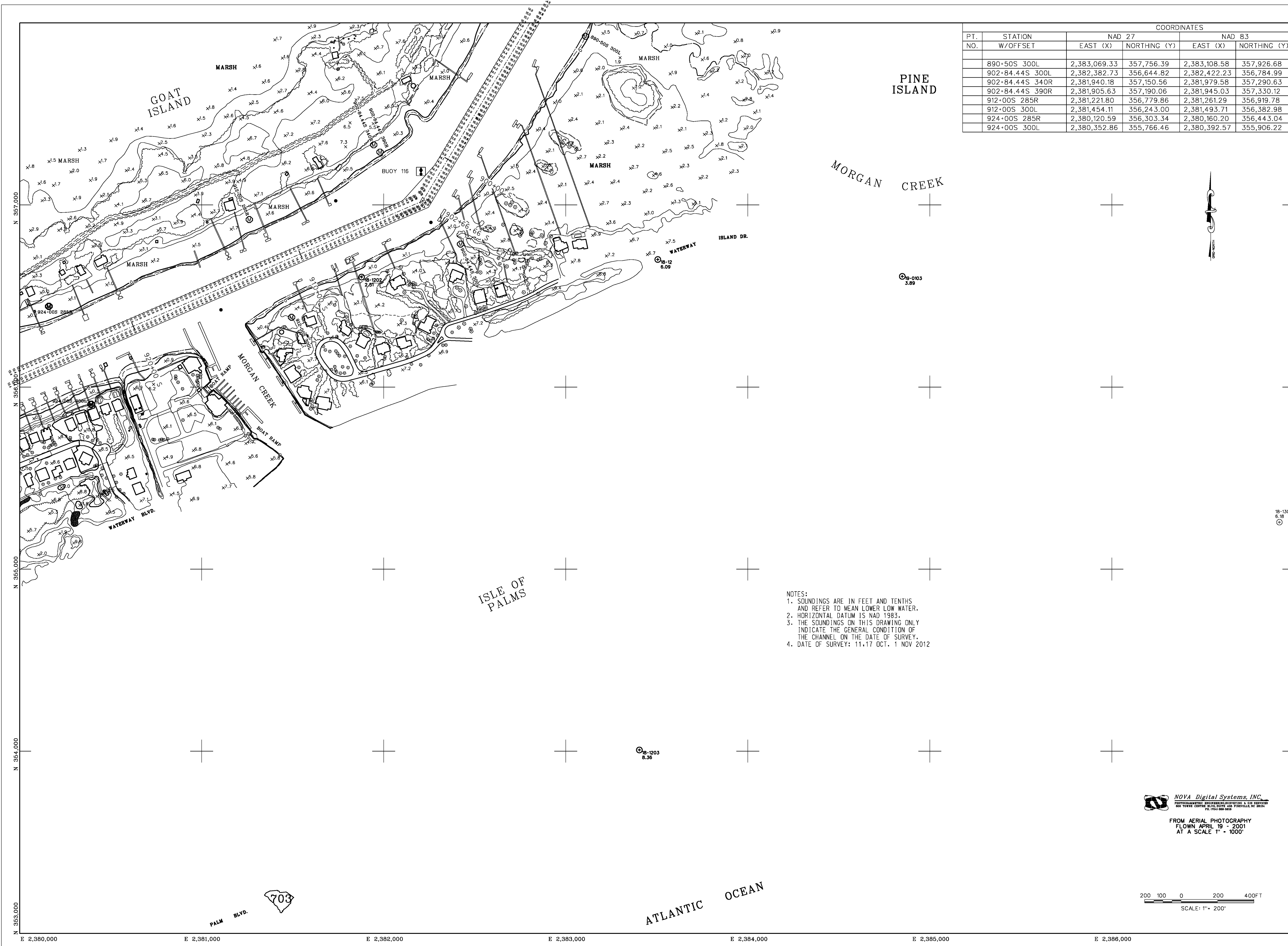


NO.	DATE	APPROV.	MARK.	DESCRIPTION

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON SOUTH CAROLINA	Drawn by: MRY Checked by: [blank] Reviewed by: [blank] Submitted by: [blank]	Date: NOV 2012 Sheet No.: 9466 Drawing Code: [blank] File Name: [blank] DWG Scale: 1" = 200'
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AWM WINNAH BAY TO CHARLESTON  
 STA. 833+17S TO STA. 891+26S  
 9466  
 GEORGETOWN CHARLESTON COUNTIES SOUTH CAROLINA

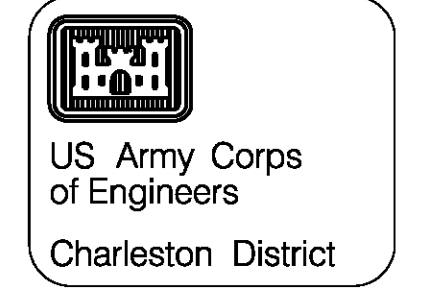
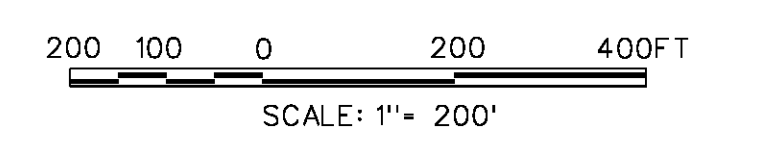
SHEET REFERENCE NUMBER  
 SHEET 52 OF 62



PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	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:  
 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: 11,17 OCT. 1 NOV 2012

**NOVA Digital Systems, INC.**  
PHOTOGRAMMETRIC TECHNOLOGY, INC. 3, DE LORAIN  
 AND TOWNE CENTRE BUILDINGS 400 WASHINGTON ST. 28104  
 P.O. BOX 888-888  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'



DATE	APPROV.	MARK.	DESCRIPTION

Designed by:	Checked by:	Drawn by:	Reviewed by:	Submitted by:
		MFV		

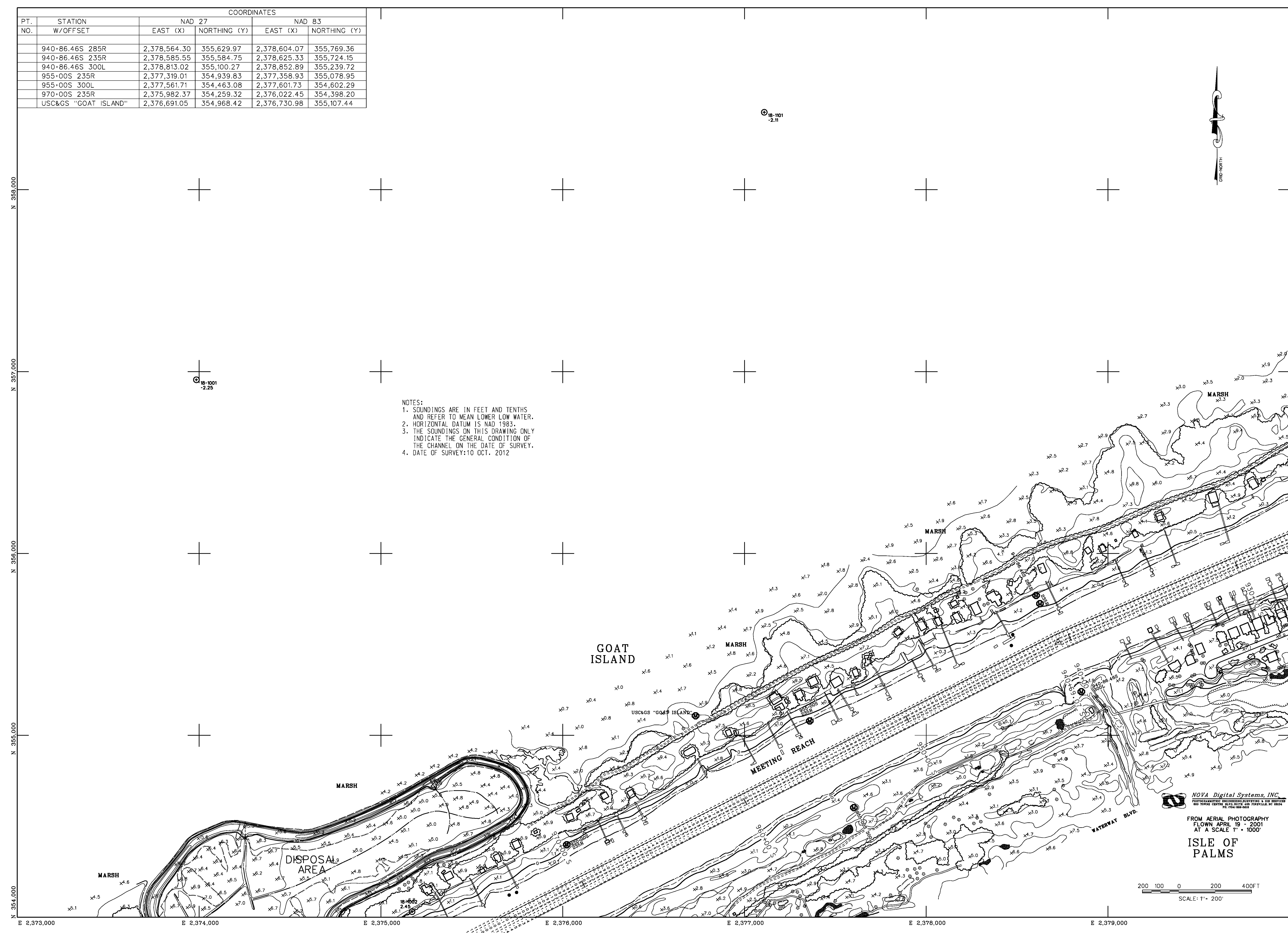
U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 CHARLESTON SOUTH CAROLINA

AWW WINNAN BAY TO CHARLESTON  
 STA. 891+26S TO STA. 926+80S  
 9456  
 GEORGETOWN-CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 53 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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:  
 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: 10 OCT. 2012



US Army Corps of Engineers  
 Charleston District

DATE	APP'D	DESCRIPTION

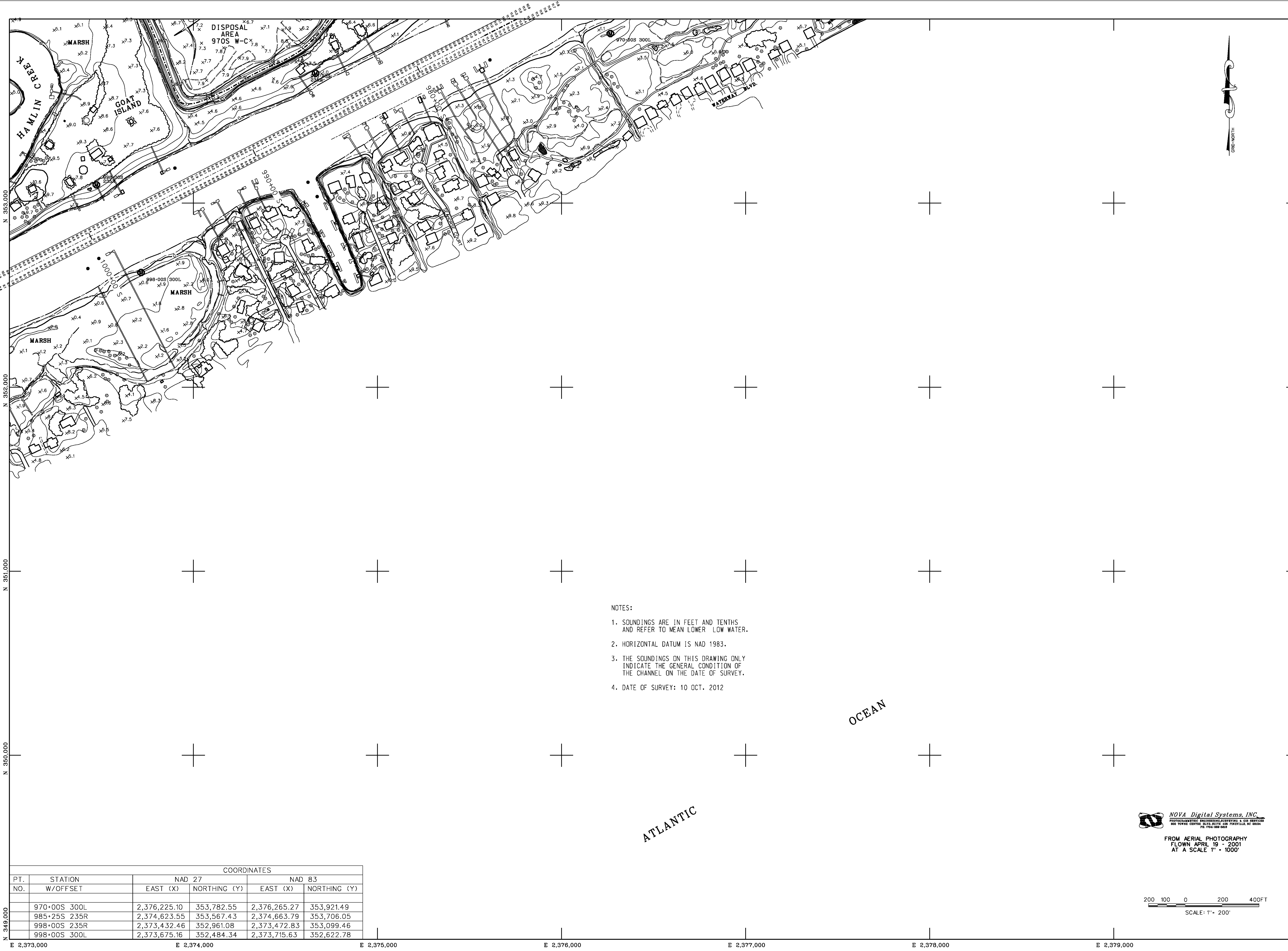
U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 CHARLESTON, SOUTH CAROLINA

NOV 2012  
 9456

DESIGNED BY: MRF  
 CHECKED BY: MRF  
 DRAWING CODE: 9456  
 DATE: NOV 2012  
 SHEET NO.: 9456  
 DATE: NOV 2012

AIRWAY WINNAH BAY TO CHARLESTON  
 STA. 926+80S TO STA. 973+99S  
 9456  
 GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

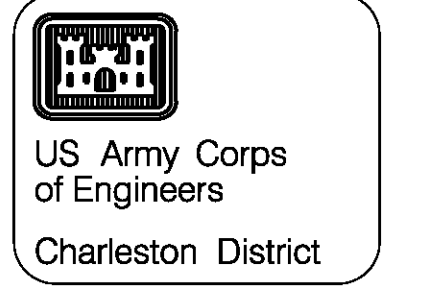
SHEET REFERENCE NUMBER  
 SHEET 54 OF 82



- 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: 10 OCT. 2012

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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

FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'  
 SCALE: 1" = 200'  
 200 100 0 200 400FT



NO.	DATE	BY	DESCRIPTION

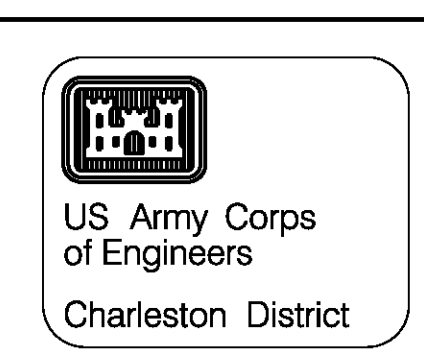
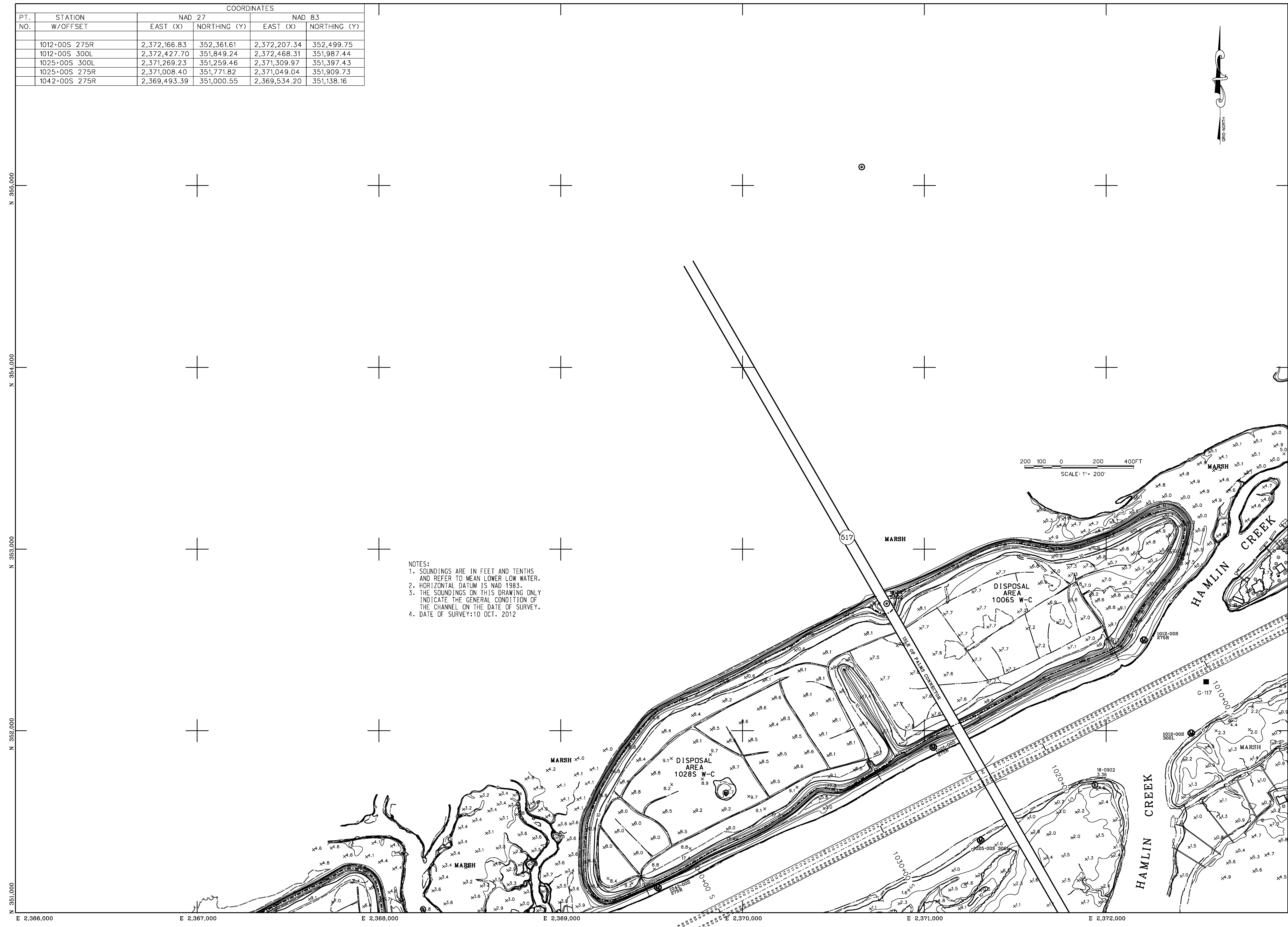
Designed by	CHK'd BY	DATE	NOV/2012
Drawn by	CHK'd BY	DATE	NOV/2012
Reviewed by	CHK'd BY	DATE	NOV/2012
Submitted by	CHK'd BY	DATE	NOV/2012
U.S. ARMY ENGINEER DISTRICT CHARLESTON, SOUTH CAROLINA			
Design No. <b>9456</b>			

ANNA WINYAH BAY TO CHARLESTON  
**STA. 973+99S TO STA 1004+94S**  
**9456**  
 GEORGETOWN CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET  
 REFERENCE  
 NUMBER  
 SHEET **55 OF 62**

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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: 10 OCT. 2012



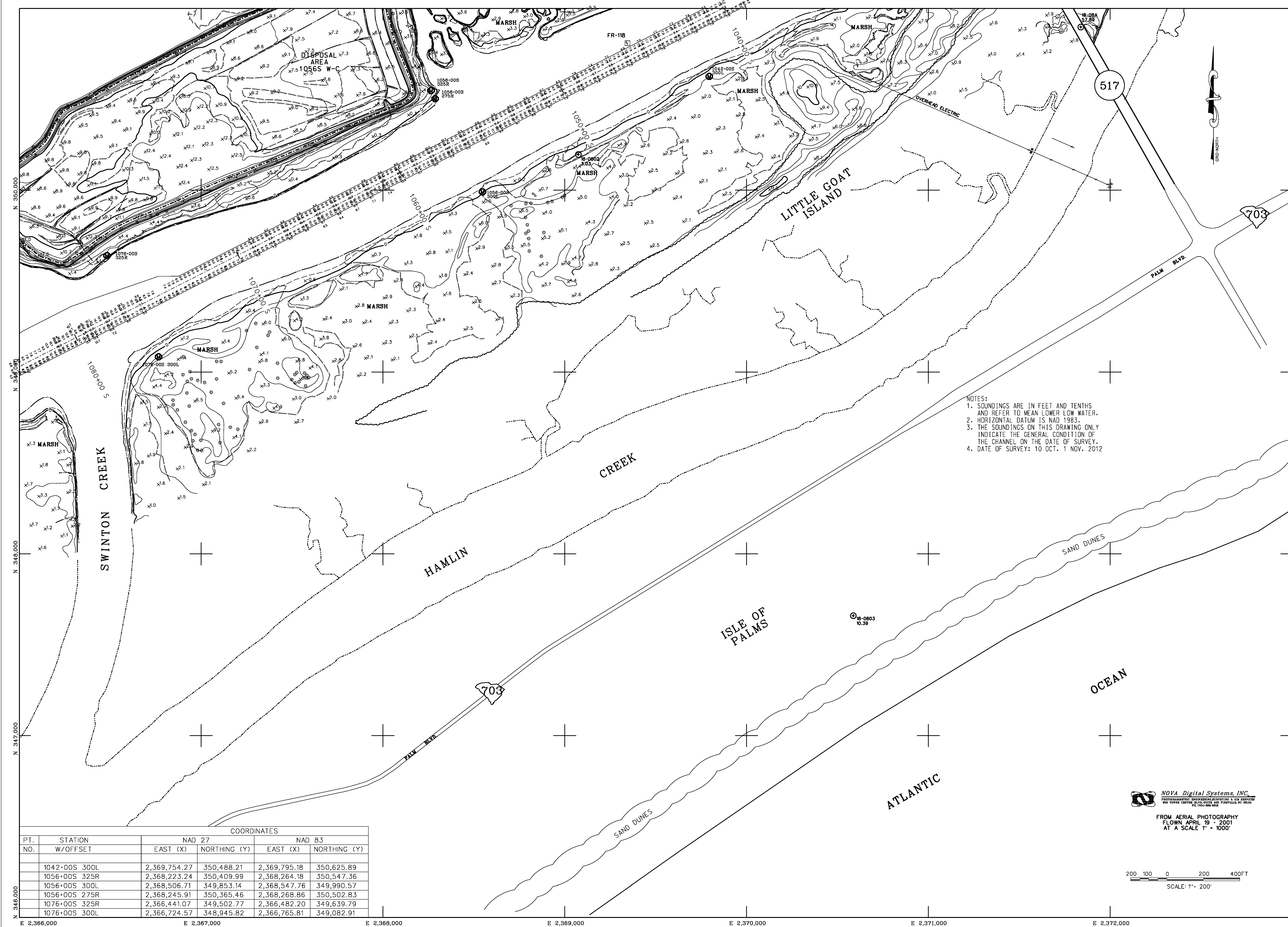
DATE	DESCRIPTION

Designed by: <b>MEV</b>	Checked by: <b>MEV</b>	Date: <b>NOV 2012</b>
Drawn by: <b>MEV</b>	Scale: <b>1" = 200'</b>	Sheet No.: <b>9456</b>
Reviewed by: <b>MEV</b>		

AWM WINYAH BAY TO CHARLESTON  
 STA 1004+94S TO STA. 1040+09S  
 9456  
 GEORGETOWN-CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 56 OF 62





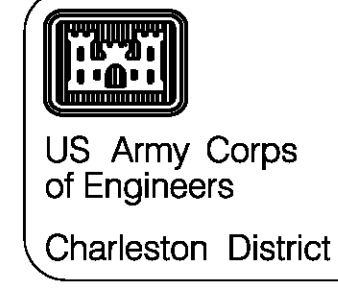
N 347,000  
N 348,000  
N 349,000  
N 350,000

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	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

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: 10 OCT. 1 NOV. 2012

**NOVA Digital Systems, INC.**  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'

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



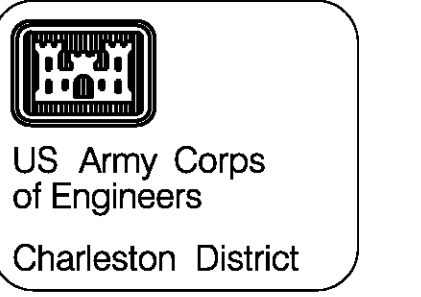
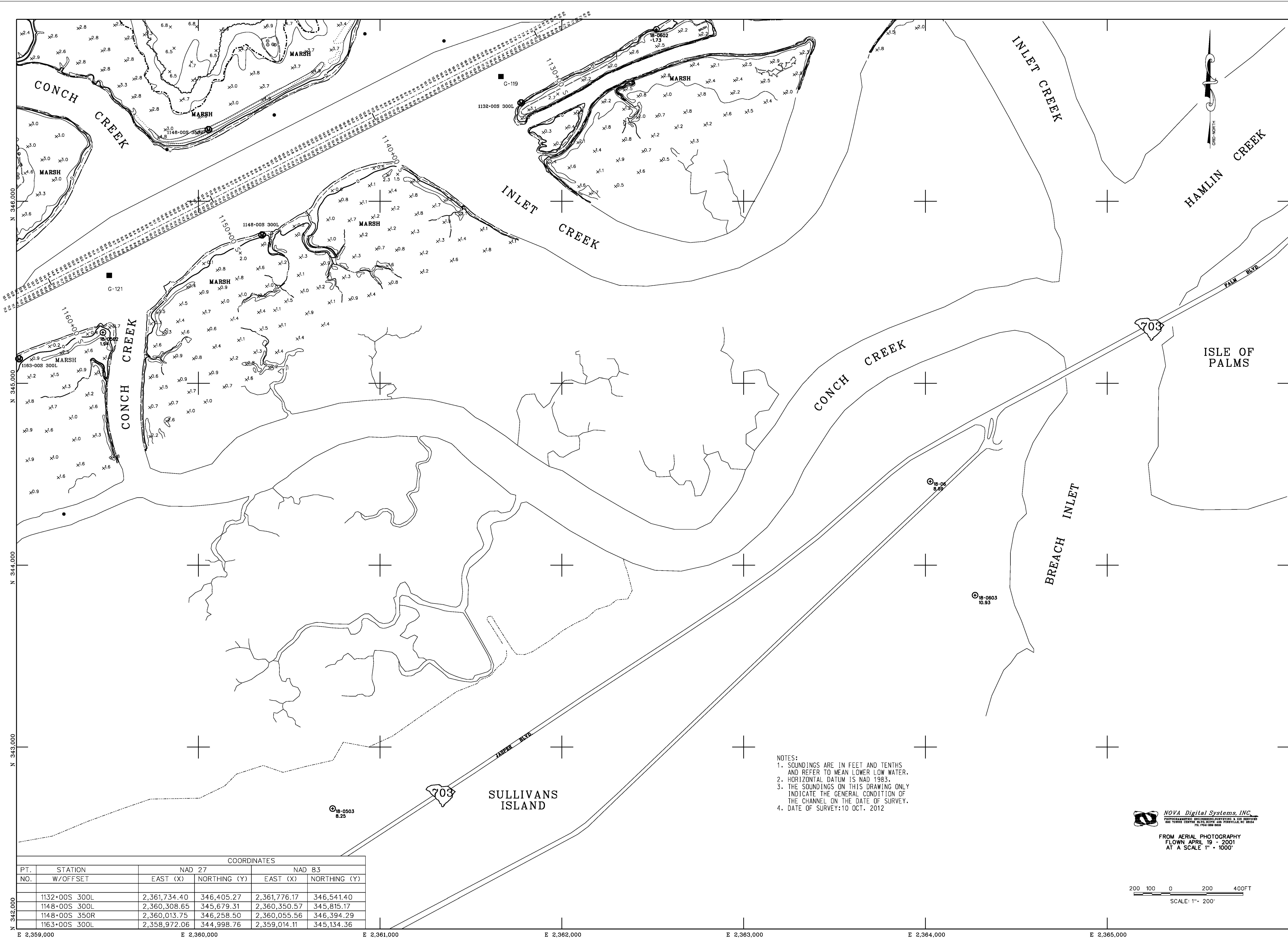
NO.	DATE	DESCRIPTION	BY	DATE

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA	NOV 2012
Drawn by: MRY	Drawn to: 9456
Checked by:	Checked by:
Supervised by:	Supervised by:
	Map Scale: 1" = 200'

AWW, WINNAH BAY TO CHARLESTON  
 STA. 1040+00S TO 1083+50S  
 9456  
 GEORGETOWN-CHARLESTON, COUNTIES, SOUTH CAROLINA

SHEET  
 REFERENCE  
 NUMBER  
 SHEET 57 OF 62





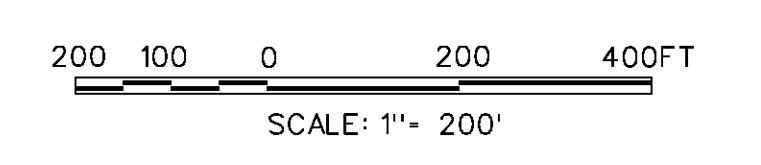
NO.	DATE	DESCRIPTION	BY

Designed by:	Checked by:	Date:
Drawn by:	Approved by:	NOV 2012
Reviewed by:		9456
Submitted by:		
		Scale: 1" = 200'

AWW WINYAH BAY TO CHARLESTON  
 STA. 1128+22S TO 1162+06S  
 9456  
 GEORGETOWN/CHARLESTON COUNTIES, SOUTH CAROLINA

- NOTES:  
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 4. DATE OF SURVEY: 10 OCT. 2012

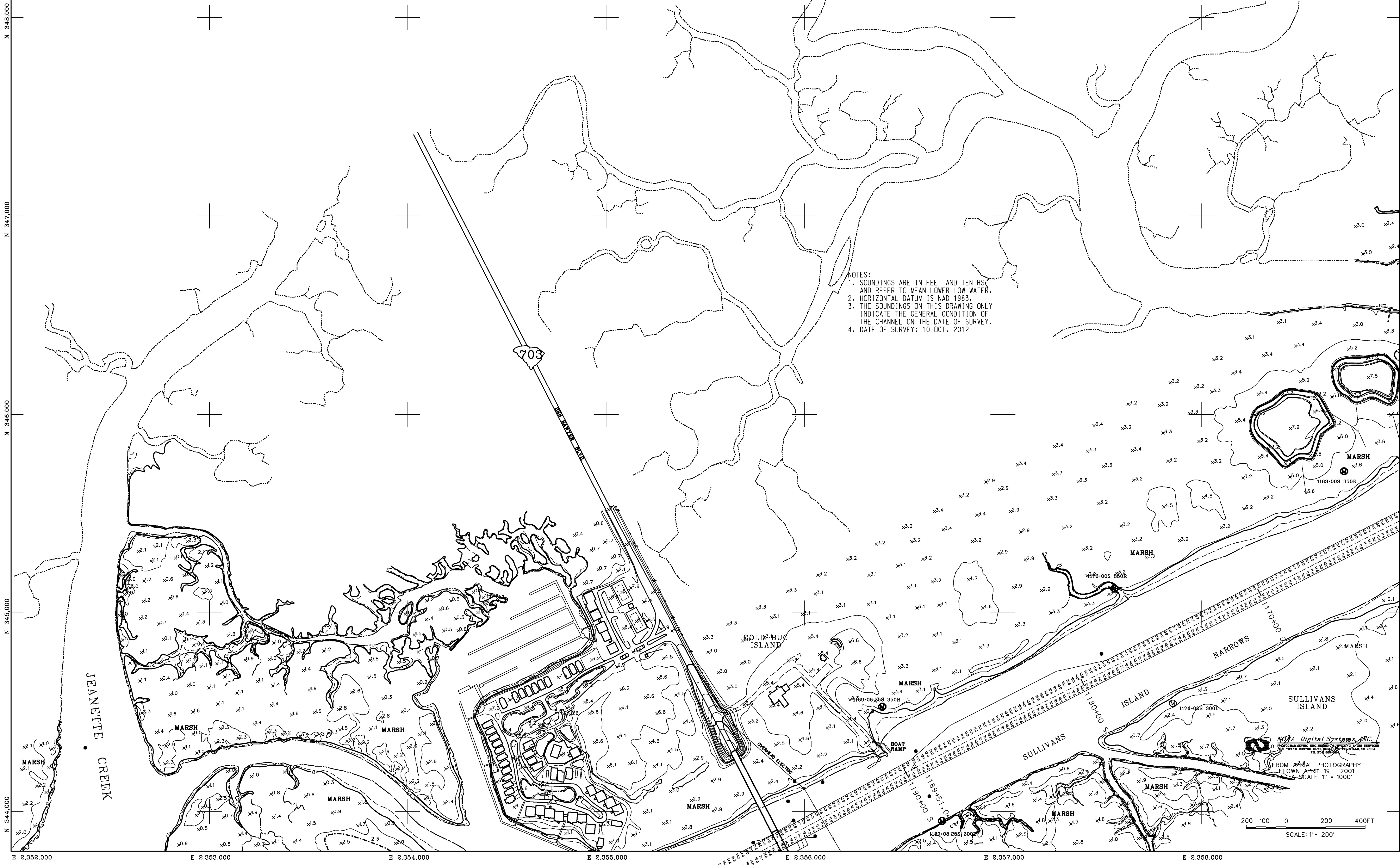
NOVA Digital Systems, Inc.  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'



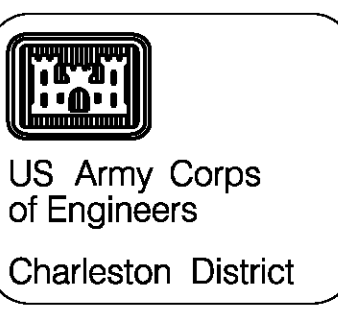
PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		EAST (X)	NORTHING (Y)	EAST (X)	NORTHING (Y)
	1132-00S 300L	2,361,734.40	346,405.27	2,361,776.17	346,541.40
	1148-00S 300L	2,360,308.65	345,679.31	2,360,350.57	345,815.17
	1148-00S 350R	2,360,013.75	346,258.50	2,360,055.56	346,394.29
	1163-00S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

SHEET REFERENCE NUMBER  
 SHEET 59 OF 62

PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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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 3. THE SOUNDINGS ON THIS DRAWING ONLY INDICATE THE GENERAL CONDITION OF THE CHANNEL ON THE DATE OF SURVEY.  
 4. DATE OF SURVEY: 10 OCT. 2012

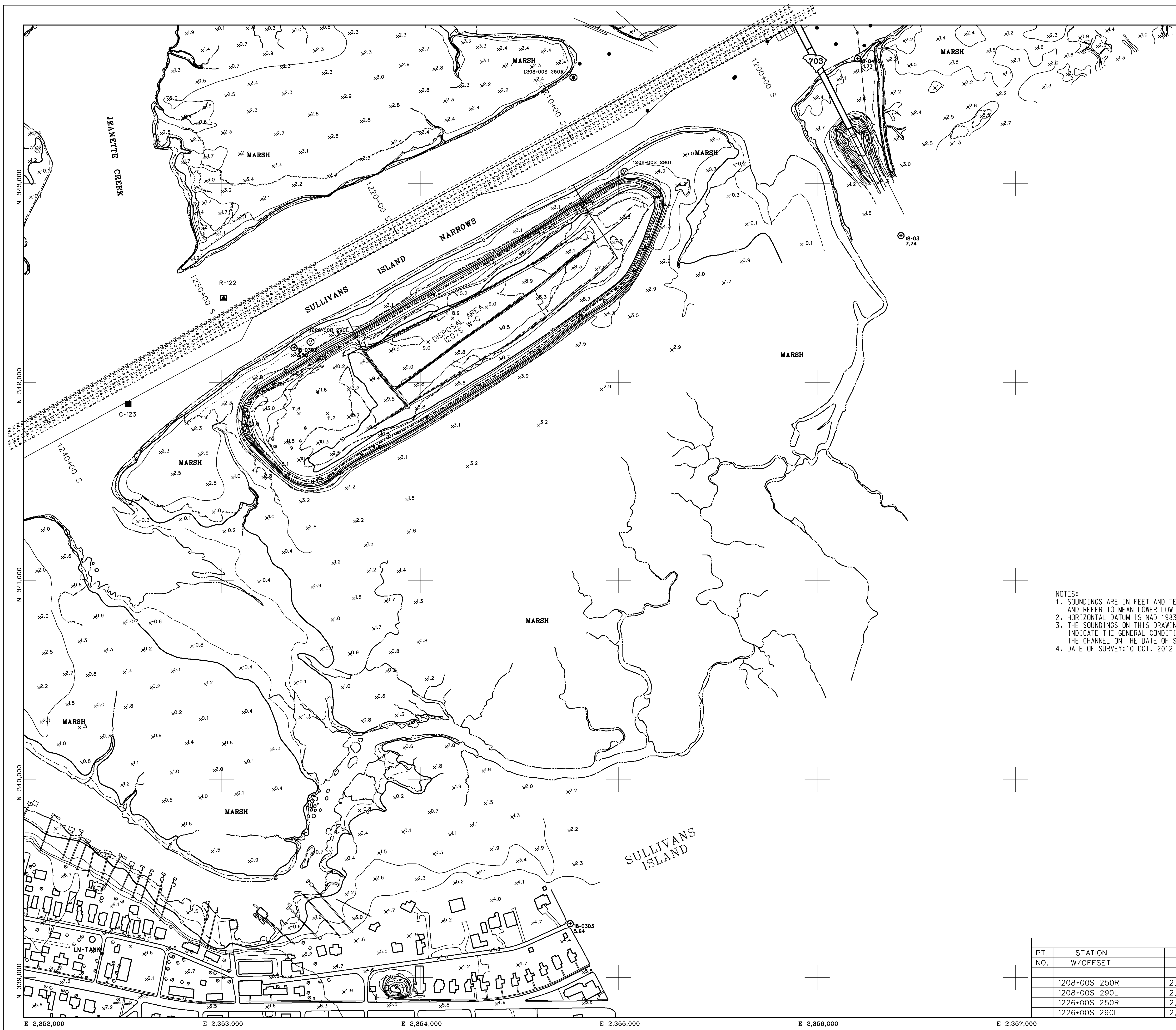


NO.	DATE	REVISION	DESCRIPTION

Drawn by: MRY	Checked by: MRY	DATE: NOV 2012	NO. TO: 9456
Designed by: MRY	Reviewed by: MRY	DATE: NOV 2012	NO. TO: 9456
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHARLESTON, SOUTH CAROLINA		DATE: NOV 2012	NO. TO: 9456

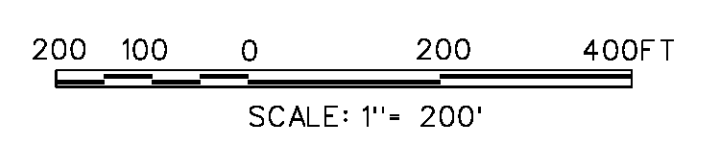
AWW, WINVAH BAY TO CHARLESTON  
 STA. 1162+06S TO STA. 1198+28S  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 60 OF 62

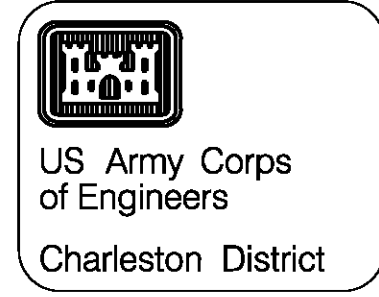


NOTES:  
 1. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.  
 2. HORIZONTAL DATUM IS NAD 1983.  
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 4. DATE OF SURVEY: 10 OCT. 2012

**NOVA Digital Systems, INC.**  
 PHOTOGRAPHIC INTERPRETATION SYSTEMS  
 1000 NORTH CENTER STREET, SUITE 100, CHARLOTTE, NC 28202  
 FROM AERIAL PHOTOGRAPHY  
 FLOWN APRIL 19 - 2001  
 AT A SCALE 1" = 1000'



PT. NO.	STATION W/OFFSET	COORDINATES			
		NAD 27		NAD 83	
		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



NO.	DATE	DESCRIPTION

Designed By:	NOVA 2012
Drawn By:	MTV
Reviewed By:	9456
Checked By:	
Scale:	1" = 200'

U.S. ARMY ENGINEER DISTRICT  
 CHARLESTON DISTRICT  
 CHARLESTON COUNTY, SOUTH CAROLINA

AWW WINNAH BAY TO CHARLESTON  
 STA. 1198+28S TO STA. 1241+31S  
 9456  
 GEORGETOWN, CHARLESTON COUNTIES, SOUTH CAROLINA

SHEET REFERENCE NUMBER  
 SHEET 61 OF 62

