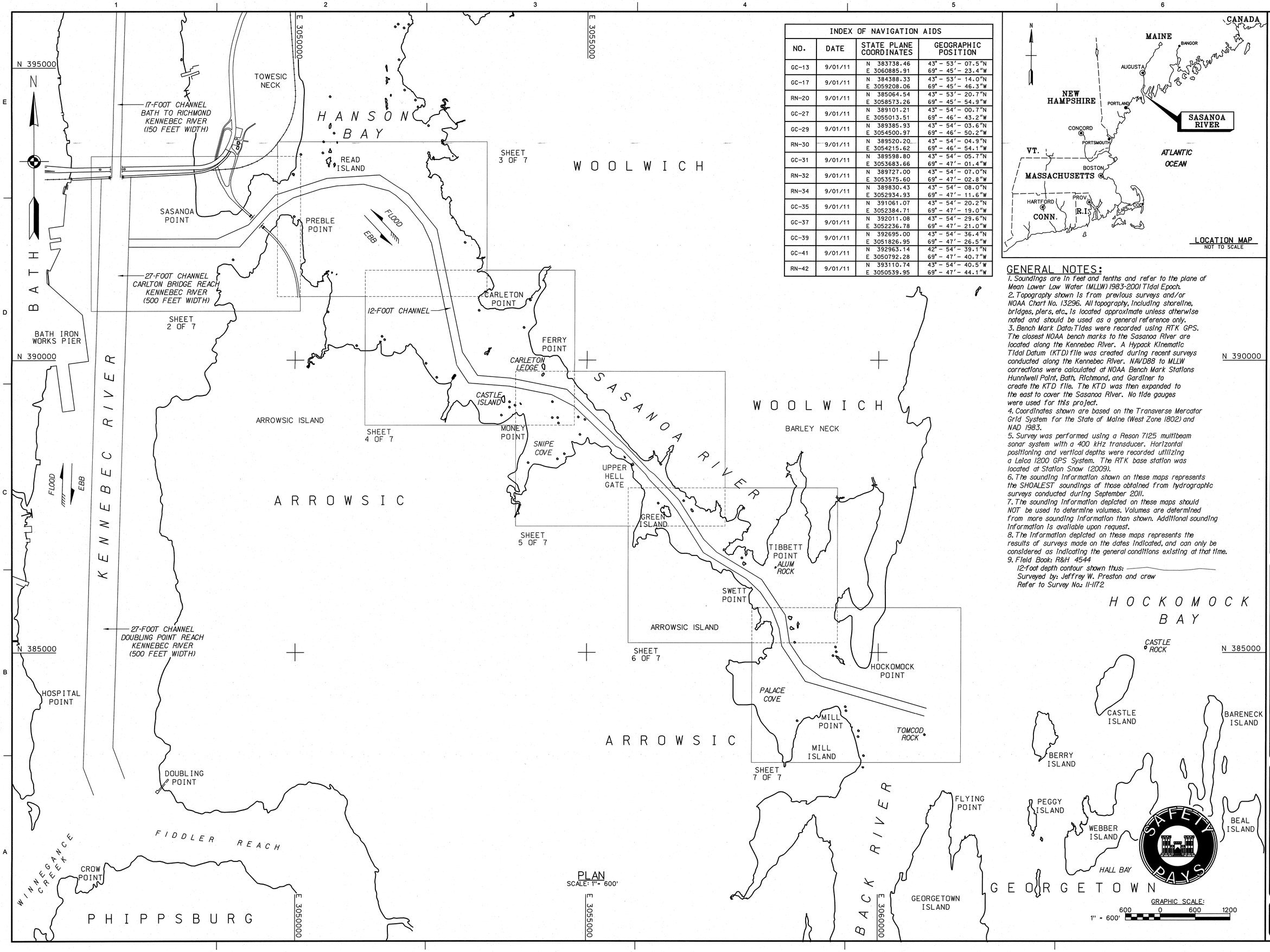

PLAN
SCALE: 1" = 600'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-13	9/01/11	N 383738.46 E 3060885.91	43° - 53′ - 07.5″N 69° - 45′ - 23.4″W
GC-17	9/01/11	N 384388.33 E 3059208.06	43° - 53′ - 14.0″N 69° - 45′ - 46.3″W
RN-20	9/01/11	N 385064.54 E 3058573.26	43° - 53′ - 20.7″N 69° - 45′ - 54.9″W
GC-27	9/01/11	N 389101.21 E 3055013.51	43° - 54′ - 00.7″N 69° - 46′ - 43.2″W
GC-29	9/01/11	N 389385.93 E 3054500.97	43° - 54′ - 03.6″N 69° - 46′ - 50.2″W
RN-30	9/01/11	N 389520.20 E 3054215.62	43° - 54′ - 04.9″N 69° - 46′ - 54.1″W
GC-31	9/01/11	N 389598.80 E 3053683.66	43° - 54′ - 05.7″N 69° - 47′ - 01.4″W
RN-32	9/01/11	N 389727.00 E 3053575.60	43° - 54′ - 07.0″N 69° - 47′ - 02.8″W
RN-34	9/01/11	N 389830.43 E 3052934.93	43° - 54′ - 08.0″N 69° - 47′ - 11.6″W
GC-35	9/01/11	N 391061.07 E 3052384.71	43° - 54′ - 20.2″N 69° - 47′ - 19.0″W
GC-37	9/01/11	N 392011.08 E 3052236.78	43° - 54′ - 29.6″N 69° - 47′ - 21.0″W
GC-39	9/01/11	N 392695.00 E 3051826.95	43° - 54′ - 36.4″N 69° - 47′ - 26.5″W
GC-41	9/01/11	N 392963.14 E 3050792.28	42° - 54′ - 39.1″N 69° - 47′ - 40.7″W
RN-42	9/01/11	N 393110.74 E 3050539.95	43° - 54′ - 40.5′W 69° - 47′ - 44.1″W

LOCATION MAP
NOT TO SCALE

GENERAL NOTES:

1. Soundings are in feet and tenths and refer to the plane of Mean Lower Low Water (MLLW) 1983-2001 Tidal Epoch.
2. Topography shown is from previous surveys and/or NOAA Chart No. 13296. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Bench Mark Data: Tides were recorded using RTK GPS. The closest NOAA bench marks to the Sasanoa River are located along the Kennebec River. A Hypack Kinematic Tidal Datum (KTD) file was created during recent surveys conducted along the Kennebec River. NAVD88 to MLLW corrections were calculated at NOAA Bench Mark Stations Hunniwell Point, Bath, Richmond, and Gardiner to create the KTD file. The KTD was then expanded to the east to cover the Sasanoa River. No tide gauges were used for this project.
4. Coordinates shown are based on the Transverse Mercator Grid System for the State of Maine (West Zone 1802) and NAD 1983.
5. Survey was performed using a Reson 7125 multibeam sonar system with a 400 kHz transducer. Horizontal positioning and vertical depths were recorded utilizing a Leica 1200 GPS System. The RTK base station was located at Station Snow (2009).
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during September 2011.
7. The sounding information depicted on these maps should NOT be used to determine volumes. Volumes are determined from more sounding information than shown. Additional sounding information is available upon request.
8. The information depicted on these maps represents the results of surveys made on the dates indicated, and can only be considered as indicating the general conditions existing at that time.
9. Field Book: R&H 4544
   12-foot depth contour shown thus:
   Surveyed by: Jeffrey W. Preston and crew
   Refer to Survey No.: 11-1172

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MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

DATE: 4/11/13
DRAWN BY: STR/KJF
CKD BY: ABR/WP
DESIGNED BY: SASR(SP)3.DGN
DRAWING CODE: SAS-2714
PLOT DATE: 4/08/2013
PLOT SCALE: 1" = 600'
FILE NAME: SAS2714V101.S01
SIZE: ANSI E

SUBMITTED BY: Colonel, Corps of Engineers, District Engineer
RECOMMENDED BY: Chief, Navigation Section
APPROVED BY: Chief, Engineering Division

U.S. ARMY CORPS OF ENGINEERS
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CONCORD, MASSACHUSETTS
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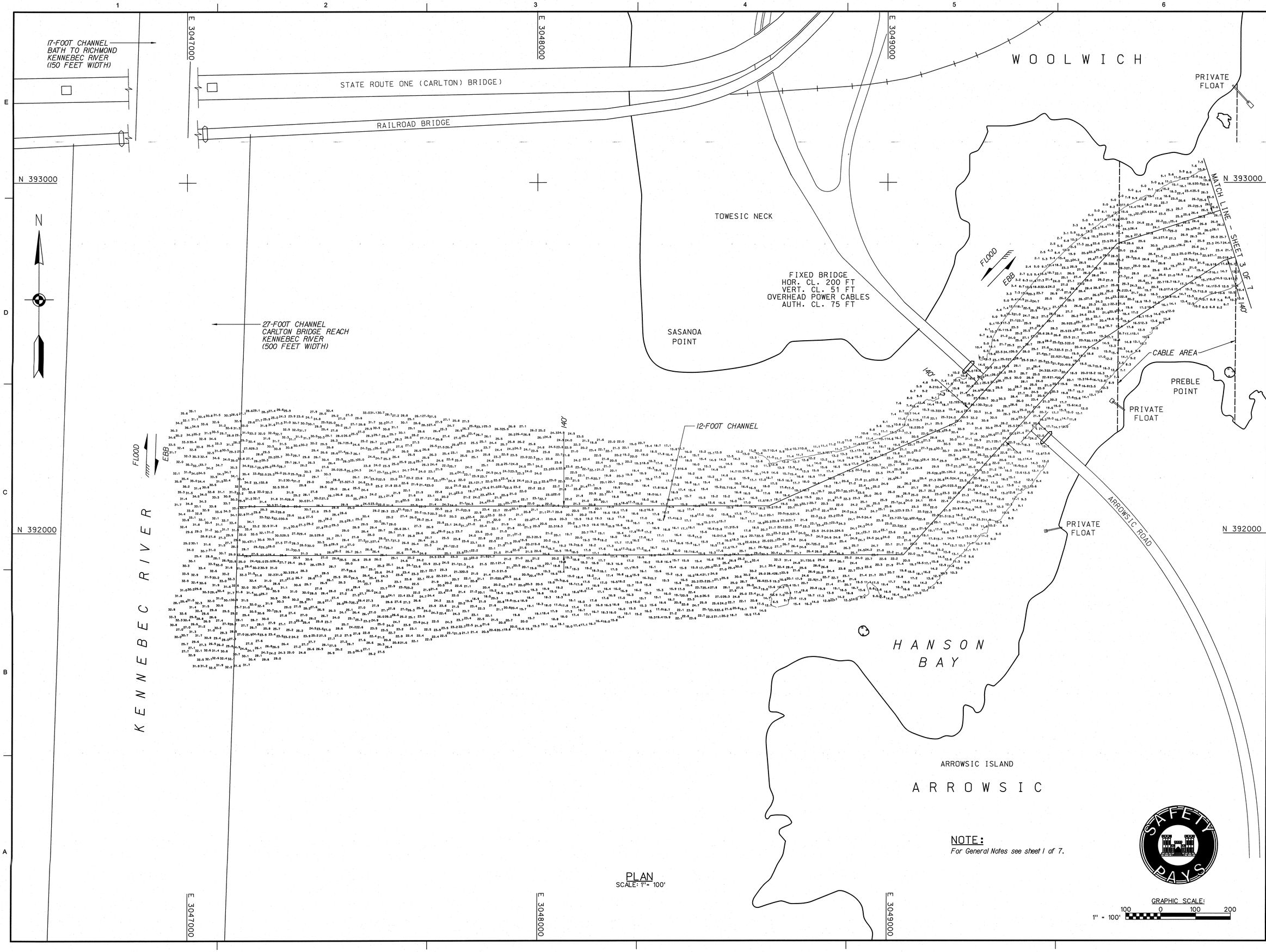
SASANOA RIVER
BATH TO WOOLWICH, MAINE
CONDITION SURVEY

12-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 7



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 7.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

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MARK	DESCRIPTION	DATE	APPR

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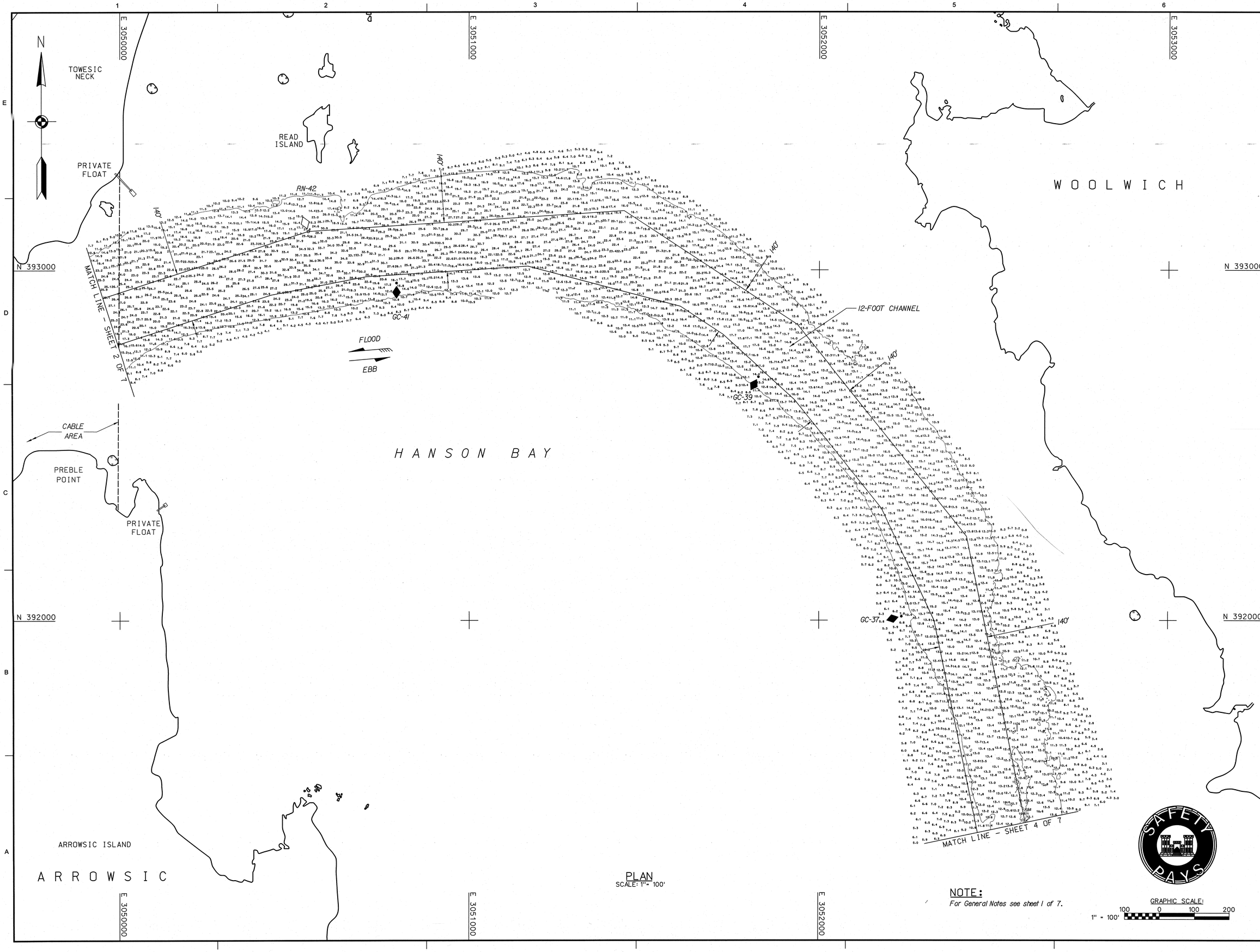
REVIEWED BY: [signature] Chief, Survey Section
SUBMITTED BY: [signature] Chief, Survey Section
PLOT SCALE: 1" = 100'
SIZE: ANSI F
PLOT DATE: 4/08/2013
FILE NAME: SAS2714V102.S02
DATE: 4/11/13
DWN BY: SWK
CKD BY: AEB/JWP
DESIGN FILE: SASHSP3.DGN
DRAWING CODE: SAS-2714

SASANOA RIVER
BATH TO WOOLWICH, MAINE
CONDITION SURVEY

12-FOOT CHANNEL

SHEET IDENTIFICATION
V-102
SHEET 2 OF 7



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 7.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

SAFETY PAYS

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MARK	DESCRIPTION	DATE	APPR

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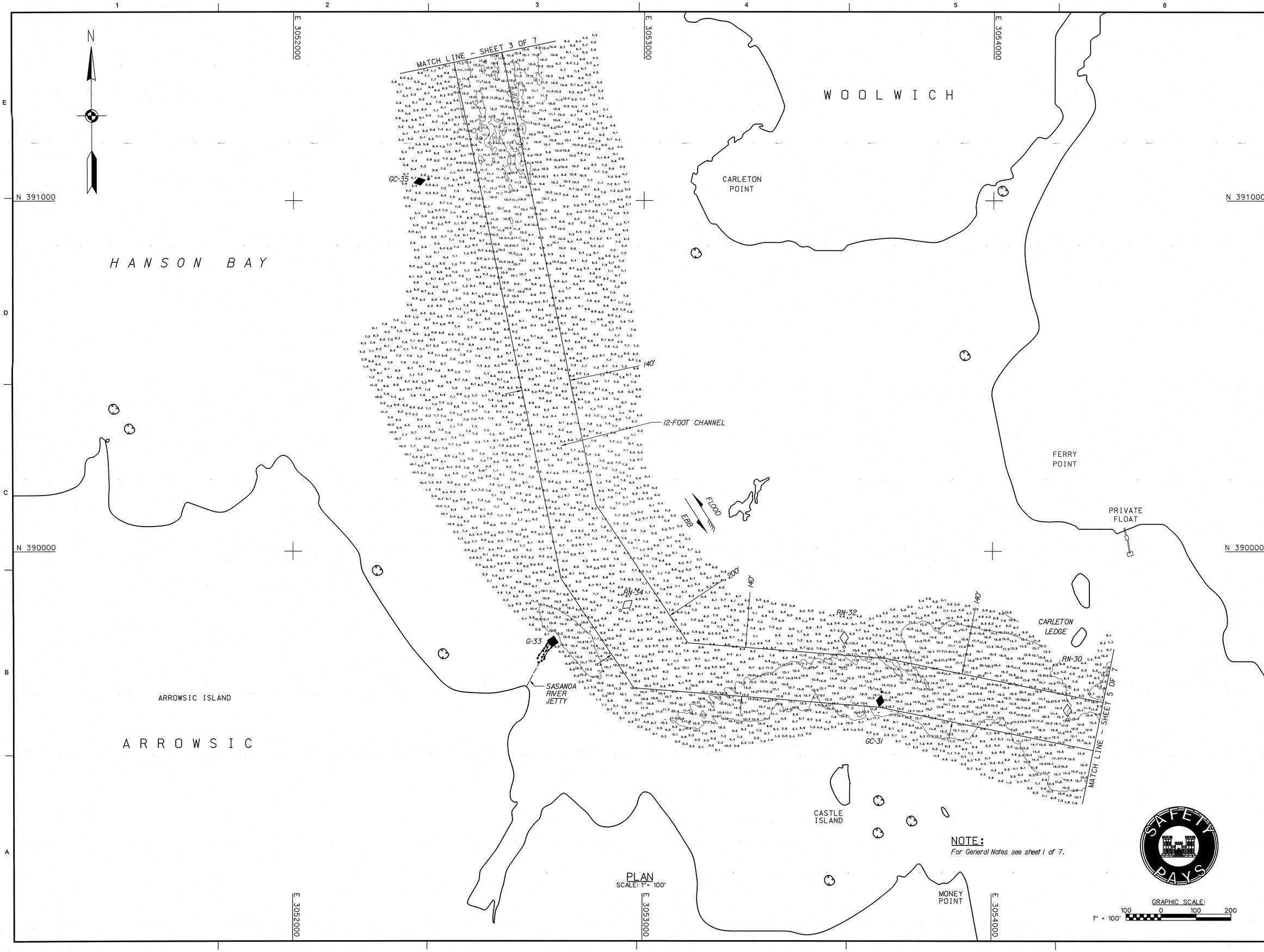
REVIEWED BY: Scott Cheney, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 4/08/2013
SIZE: ANSI F
FILE NAME: SAS2714V103.S03
DATE: 4/11/13
DWN BY: SWK
CKD BY: AEB/JWP
DESIGN FILE: SASNSP3.DGN
DRAWING CODE: SAS-2714

SASANOA RIVER
BATH TO WOOLWICH, MAINE
CONDITION SURVEY

12-FOOT CHANNEL

SHEET IDENTIFICATION
V-103
SHEET 3 OF 7



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 7.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

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MARK	DESCRIPTION	DATE	APPR

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REVIEWED BY: [signature] Chief, Navigation Section
SUBMITTED BY: [signature] Chief, Survey Section
DATE: 4/11/13
DWN BY: SWK
CKD BY: AEB/JWP
DESIGN FILE: SASHSP3.DGN
DRAWING CODE: SAS-2714
PLOT SCALE: 1" = 100'
PLOT DATE: 4/08/2013
SIZE: ANSI F
FILE NAME: SAS2714V104.S04

SASANOA RIVER
BATH TO WOOLWICH, MAINE
CONDITION SURVEY

12-FOOT CHANNEL

SHEET IDENTIFICATION
V-104
SHEET 4 OF 7

PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 7.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

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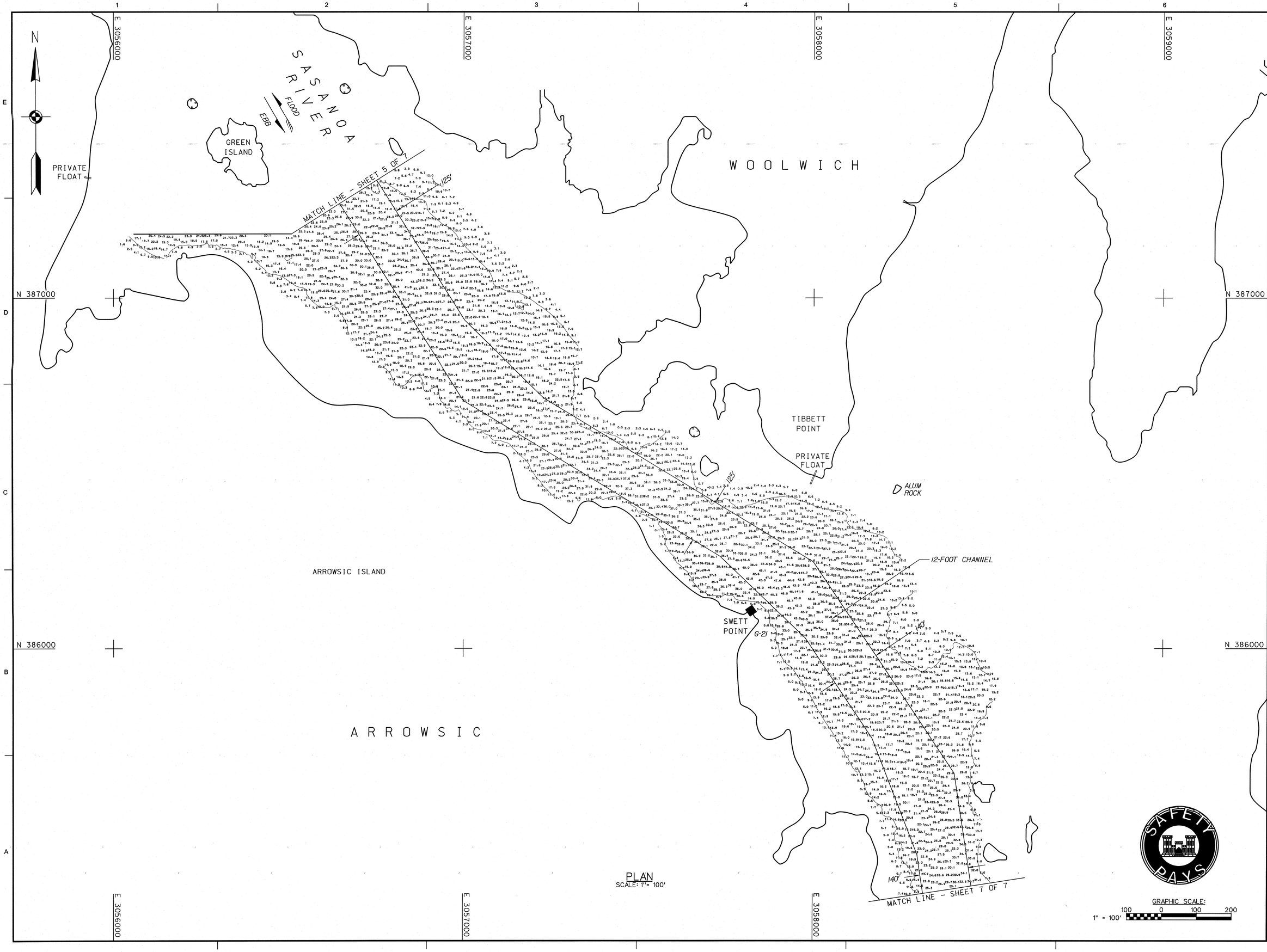
REVIEWED BY: Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 4/30/2013
SIZE: ANSI F
FILE NAME: SAS2714V105.S05
DATE: 4/10/13
DWN BY: SWK
CKD BY: ABB/JWP
DESIGN FILE: SASHSP3.DGN
DRAWING CODE: SAS-2714

SASANOA RIVER
BATH TO WOOLWICH, MAINE
CONDITION SURVEY

12-FOOT CHANNEL

SHEET IDENTIFICATION
V-105
SHEET 5 OF 7



PLAN
SCALE: 1" = 100'

GRAPHIC SCALE:
1" = 100'
100 0 100 200

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MARK	DESCRIPTION	DATE	APPR

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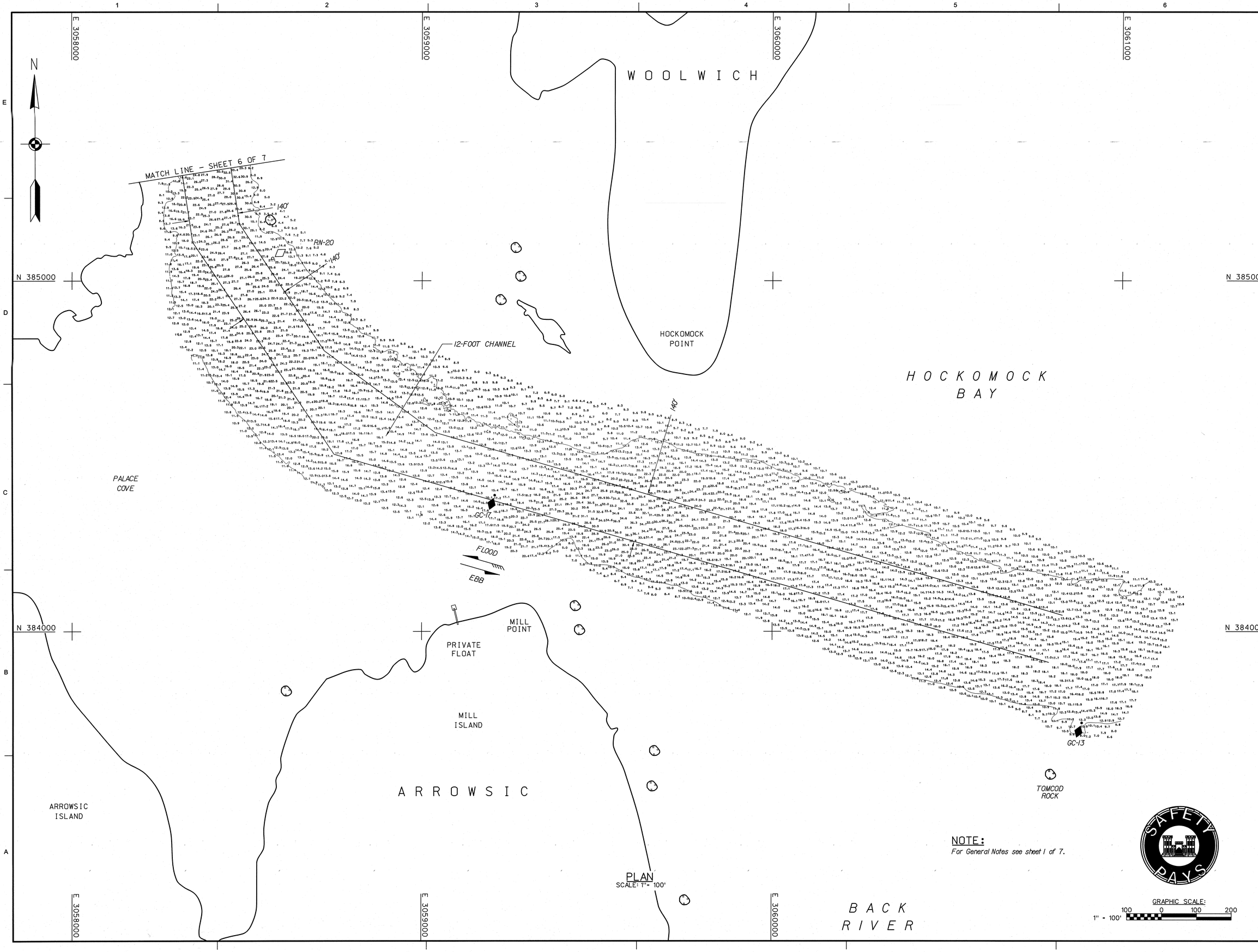
REVIEWED BY: Lee Cole, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 4/1/13
DWN BY: SWK
CKD BY: AEB/JWP
DESIGN FILE: SASRSP3.DGN
DRAWING CODE: SAS-2714
PLOT SCALE: 1" = 100'
PLOT DATE: 4/08/2013
SIZE: ANSI F
FILE NAME: SAS2714V106.S06

SASANOA RIVER
BATH TO WOOLWICH, MAINE
CONDITION SURVEY

12-FOOT CHANNEL

SHEET IDENTIFICATION
V-106
SHEET 6 OF 7



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 7.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

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MARK	DESCRIPTION	DATE	APPR

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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 4/08/2013
SIZE: ANSI F
FILE NAME: SAS2714V107.S07
DATE: 4/11/13
DWN BY: SWK
CKD BY: AEB/JWP
DESIGN FILE: SAS1SPS3.DGN
DRAWING CODE: SAS-2714

SASANOA RIVER
BATH TO WOOLWICH, MAINE
CONDITION SURVEY

12-FOOT CHANNEL

SHEET IDENTIFICATION
V-107
SHEET 7 OF 7