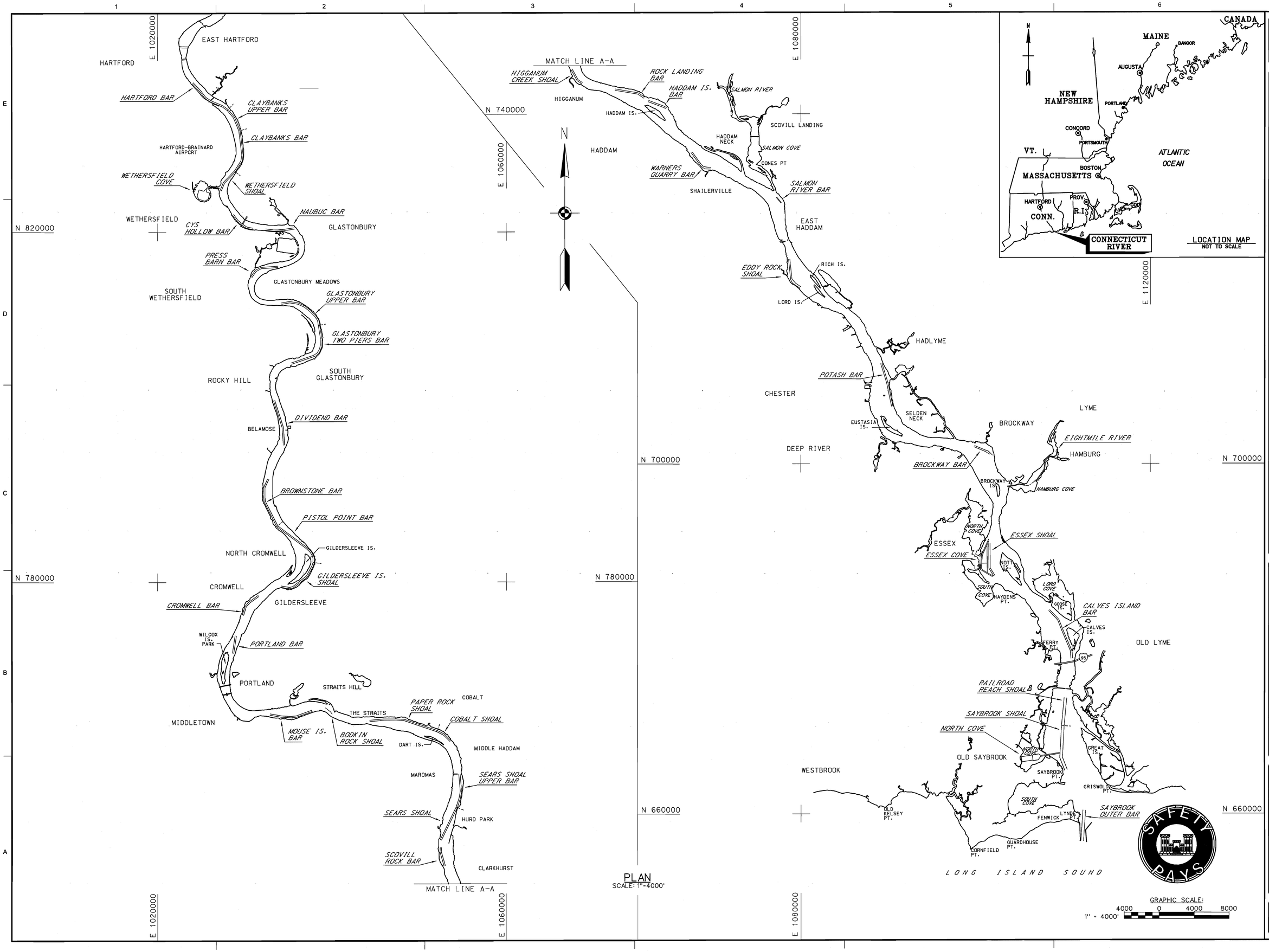

PLAN
SCALE: 1"=4000'

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New England District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

DATE: 3/30/2011
DWN BY: T. MAY
CKD BY: DAJ
DESIGN FILE: CRBISP3.DGN
DRAWING CODE: CRB-999
PLOT DATE: 03/30/2011
FILE NAME: CRBSBWV101.S01
SIZE: ANSI F

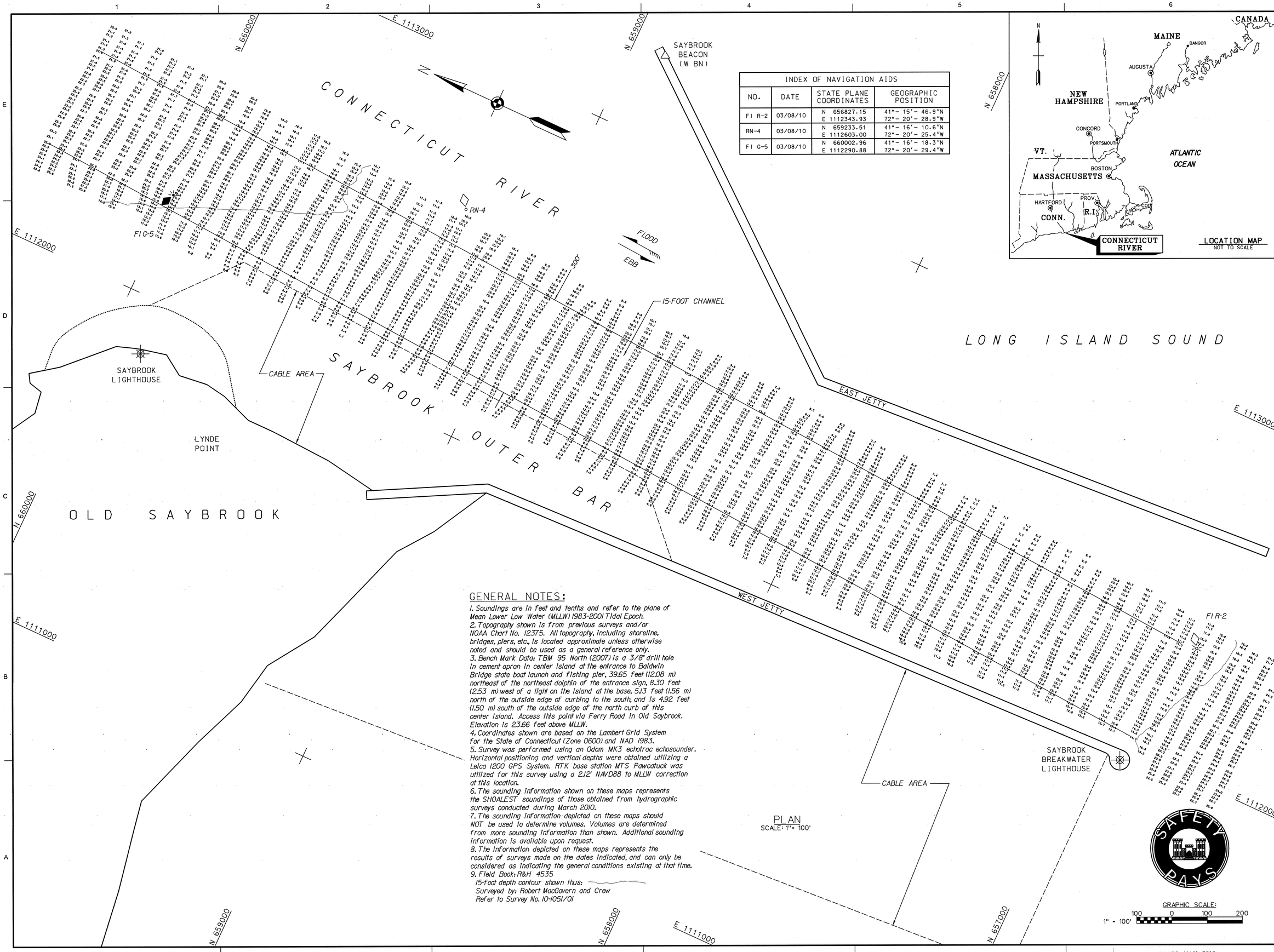
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section

U.S. ARMY CORPS OF ENGINEERS
696 VIRGINIA ROAD, STREET
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

GENERAL PURPOSE MAP

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1



INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
Fl R-2	03/08/10	N 656827.15 E 1112343.93	41°- 15′- 46.9″N 72°- 20′- 28.9″W
RN-4	03/08/10	N 659233.51 E 1112603.00	41°- 16′- 10.6″N 72°- 20′- 25.4″W
Fl G-5	03/08/10	N 660002.96 E 1112290.88	41°- 16′- 18.3″N 72°- 20′- 29.4″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. 12375. 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: TBM 95 North (2007) is a 3/8" drill hole in cement apron in center island at the entrance to Baldwin Bridge state boat launch and fishing pier, 39.65 feet (12.08 m) northeast of the northeast dolphin of the entrance sign, 8.30 feet (2.53 m) west of a light on the island at the base, 5.13 feet (1.56 m) north of the outside edge of curbing to the south, and is 4.92 feet (1.50 m) south of the outside edge of the north curb of this center island. Access this point via Ferry Road in Old Saybrook. Elevation is 23.66 feet above MLLW.
4. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
5. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Pawcatuck was utilized for this survey using a 2.12' NAVD88 to MLLW correction at this location.
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during March 2010.
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 4535

15-foot depth contour shown thus:
Surveyed by: Robert MacGovern and Crew
Refer to Survey No. 10-1051/01

PLAN
SCALE: 1" = 100'

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MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

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NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
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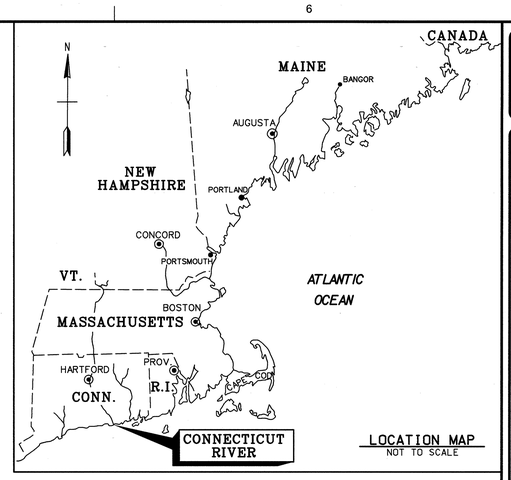
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 2/1/10
DWN BY: F.L.
CKD BY: MVR
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: C-BS-995
PLOT SCALE: 1" = 100'
PLOT DATE: 2/1/2010
SIZE: ANSI F
FILE NAME: CRBHSP01101.S01

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
SAYBROOK OUTER BAR
CONDITION SURVEY
15-FOOT CHANNEL

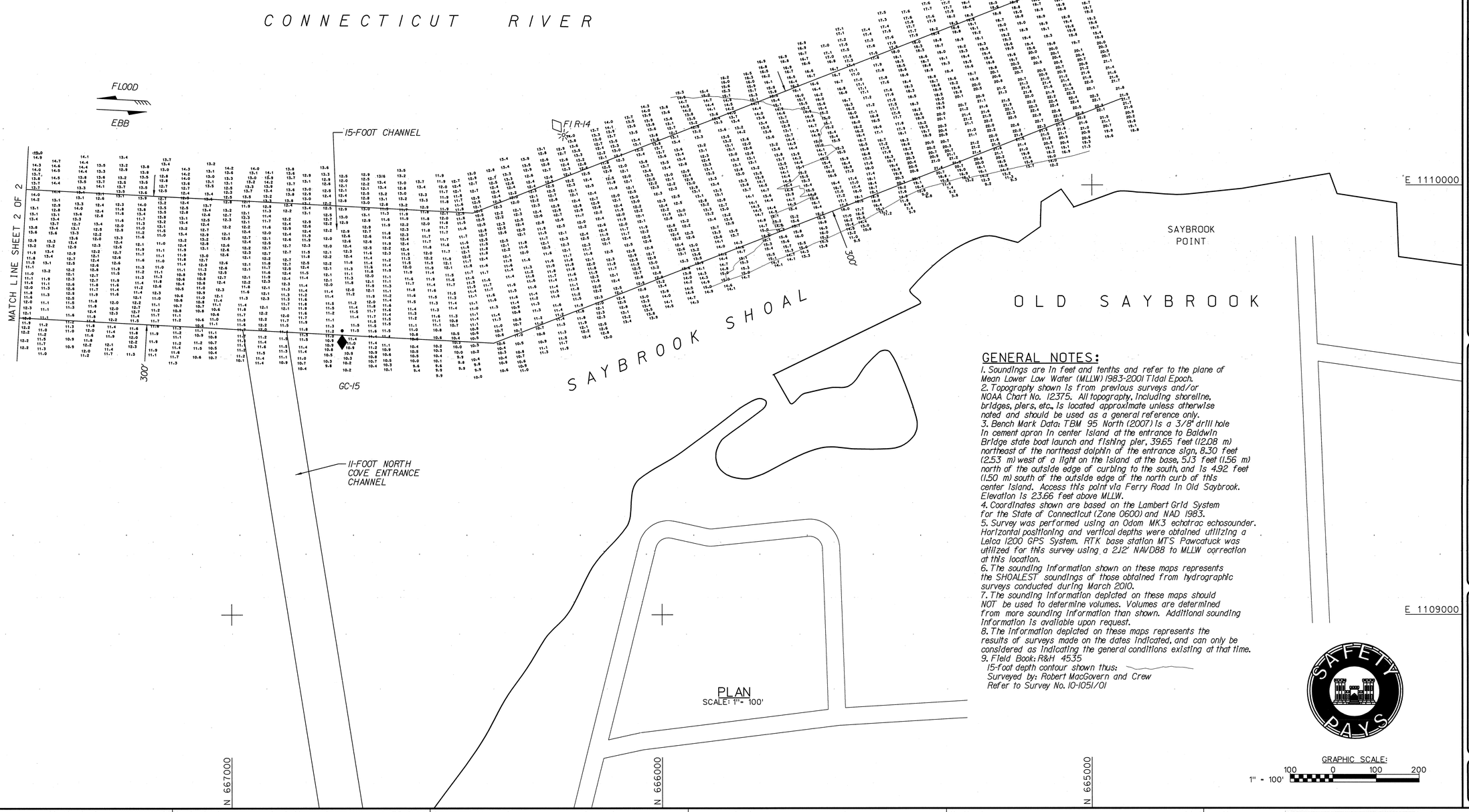
SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SCANNED RECORD MAY 2010

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
Fl R-14	03/08/10	N 666228.32 E 1110117.31	41°- 17′- 19.9″N 72°- 20′- 57.5″W
GC-15	03/08/10	N 666743.29 E 1109661.35	41°- 17′- 25.0″N 72°- 21′- 03.5″W
GC-17	03/08/10	N 667678.55 E 1109788.43	41°- 17′- 34.2″N 72°- 21′- 01.7″W
Fl G-19	03/08/10	N 669512.42 E 1109786.50	41°- 17′- 52.3″N 72°- 21′- 01.7″W



LOCATION MAP
NOT TO SCALE



PLAN
SCALE: 1"= 100'

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. 12375. 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: TBM 95 North (2007) is a 3/8" drill hole in cement apron in center island at the entrance to Baldwin Bridge state boat launch and fishing pier, 39.65 feet (12.08 m) northeast of the northeast dolphin of the entrance sign, 8.30 feet (2.53 m) west of a light on the island at the base, 5.13 feet (1.56 m) north of the outside edge of curbing to the south, and is 4.92 feet (1.50 m) south of the outside edge of the north curb of this center island. Access this point via Ferry Road in Old Saybrook. Elevation is 23.66 feet above MLLW.
4. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
5. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Pawcatuck was utilized for this survey using a 2.12' NAVD88 to MLLW correction at this location.
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during March 2010.
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 4535
   15-foot depth contour shown thus:
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No. 10-1051/01

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

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MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

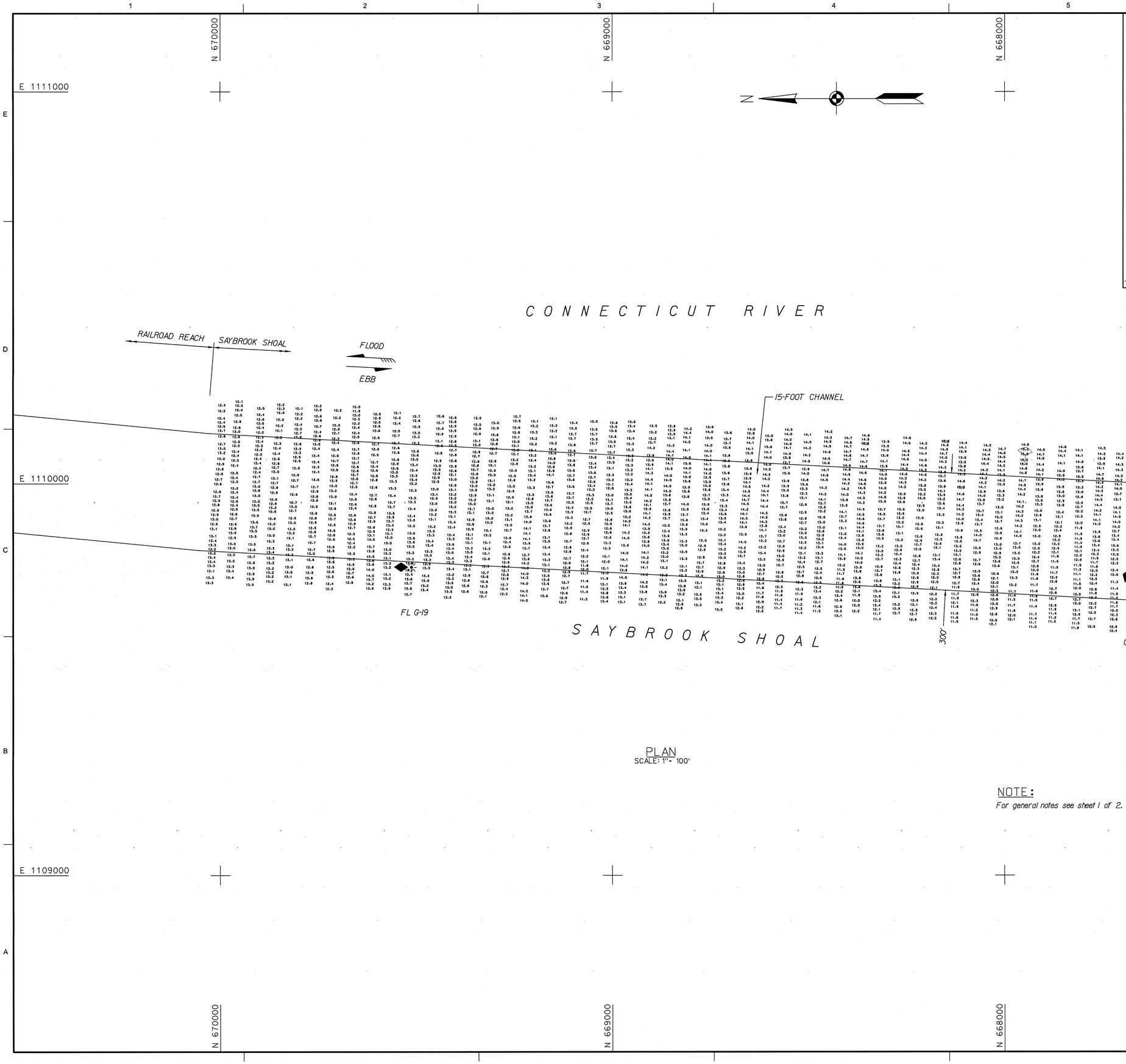
REVIEWED BY: Alan Orne, Survey Section
DRAWN BY: Kevin Fitzgerald
Chief, Survey Section
DATE: 5/14/10
DWN BY: KFG
CKD BY: MMD
DESIGN FILE:
CRSHSP1.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 5/14/2010
DRAWING CODE: HYDRO
SIZE: ANSI E
FILE NAME: CHBSBW010.S01

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

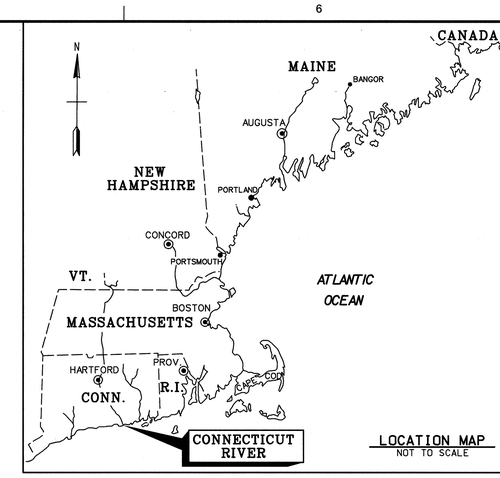
SAYBROOK SHOAL
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 2

SCANNED RECORD MAY 2010



PLAN
SCALE: 1" = 100'



LOCATION MAP
NOT TO SCALE

NOTE:
For general notes see sheet 1 of 2.

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

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New England District

MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 5/11/10
DWN BY: WWW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-996
PLOT SCALE: 1" = 100'
PLOT DATE: 5/31/2010
SIZE: ANSI F
FILE NAME: CRB996V102.S02

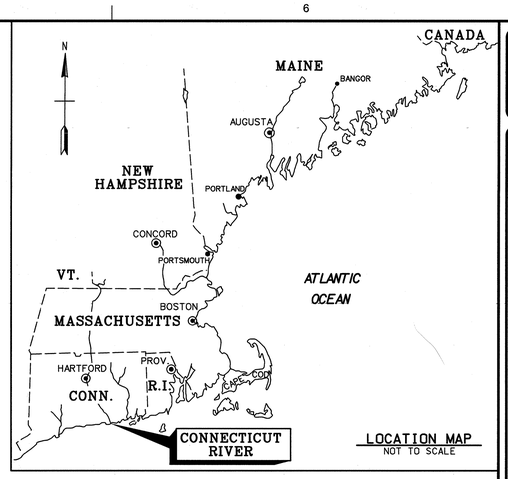
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

SAYBROOK SHOAL
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-102
SHEET 2 OF 2

SCANNED RECORD MAY 2010

PLAN
SCALE: 1" = 100'



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. 12375. 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: TBM Saybrook 2 (2006) is a standard NGS Reference disk, stamped "Saybrook 2 1948 No. 11975" located north of Dock & Dine at Saybrook Point, 2.17 feet (0.66 m) southwest of Sta. Dock & Dine and 2.89 feet (0.88 m) west of concrete retaining wall. Elevation is 7.09 feet above MLLW.
4. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
5. Survey was performed using an Odom MK3 echotrac echosounder. Positioning was obtained utilizing a Leica 1200 GPS System. RTK base station was setup on TBM Sta. Saybrook 2 using a 2.05' NAVD88 to MLLW correction at this location.
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during September 2009.
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 4535

15-foot depth contour shown thus: ————
Surveyed by: Robert MacGovern and Crew
Refer to Survey No. 09-1022/01

SAFETY PAYS

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

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MARK	DESCRIPTION	DATE	APPR

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

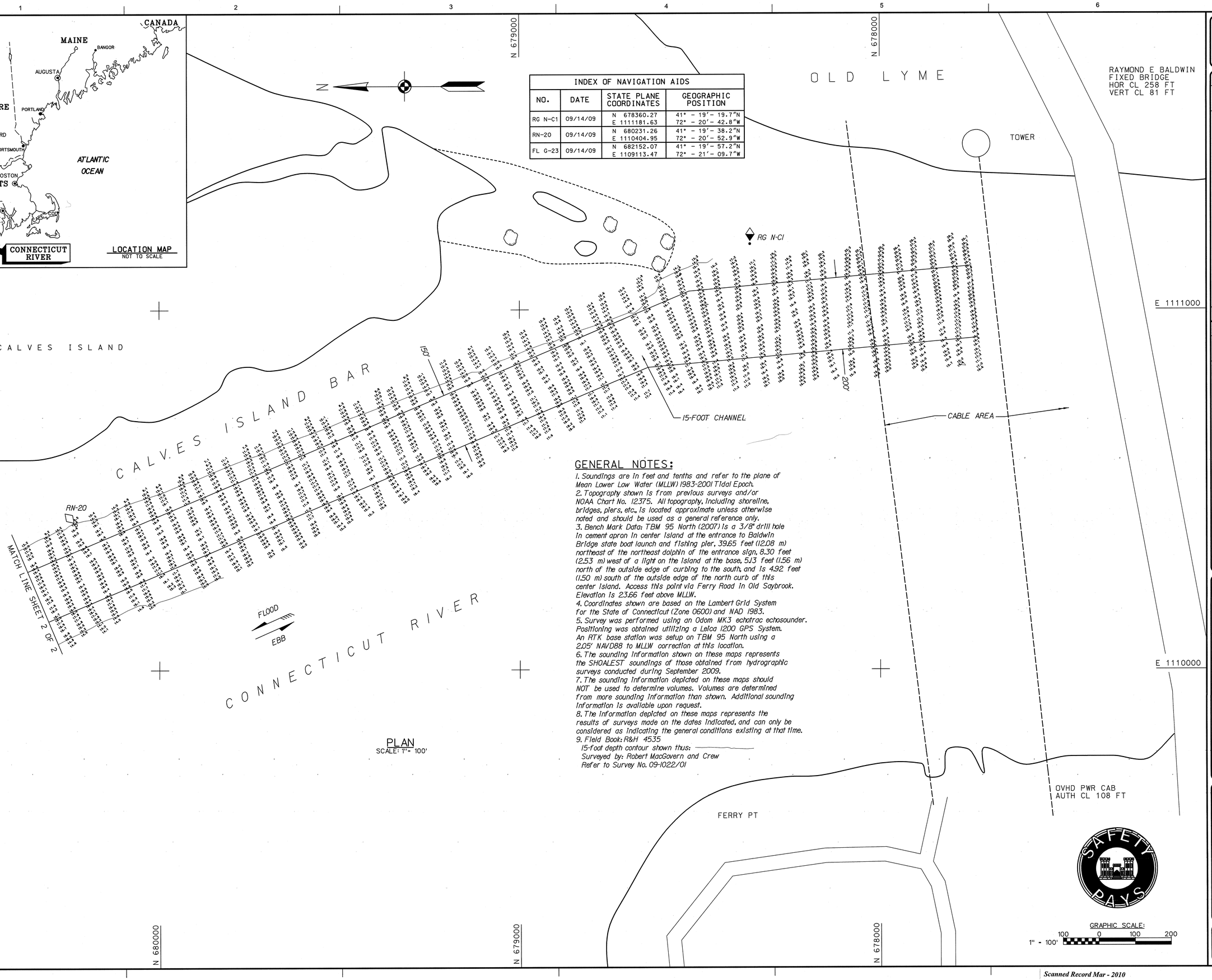
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 3/19/10
DWN BY: WRW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB691
PLOT SCALE: 1" = 100'
PLOT DATE: 3/19/2010
SIZE: ANSI F
FILE NAME: CRB691V101.S01

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

RAILROAD REACH
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

Scanned Record Mar - 2010



INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RG N-C1	09/14/09	N 678360.27 E 1111181.63	41° - 19'- 19.7"N 72° - 20'- 42.8"W
RN-20	09/14/09	N 680231.26 E 1110404.95	41° - 19'- 38.2"N 72° - 20'- 52.9"W
FL G-23	09/14/09	N 682152.07 E 1109113.47	41° - 19'- 57.2"N 72° - 21'- 09.7"W

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. 12375. 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: TBM 95 North (2007) is a 3/8" drill hole in cement apron in center island at the entrance to Baldwin Bridge state boat launch and fishing pier, 39.65 feet (12.08 m) northeast of the northeast dolphin of the entrance sign, 8.30 feet (2.53 m) west of a light on the island at the base, 5.13 feet (1.56 m) north of the outside edge of curbing to the south, and is 4.92 feet (1.50 m) south of the outside edge of the north curb of this center island. Access this point via Ferry Road in Old Saybrook. Elevation is 23.66 feet above MLLW.
4. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
5. Survey was performed using an Odom MK3 echotrac echosounder. Positioning was obtained utilizing a Leica 1200 GPS System. An RTK base station was setup on TBM 95 North using a 2.05' NAVD88 to MLLW correction at this location.
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during September 2009.
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 4535

15-foot depth contour shown thus: ————

Surveyed by: Robert MacGovern and Crew

Refer to Survey No. 09-1022/01

PLAN
SCALE: 1" = 100'

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MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

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CONCORD, MASSACHUSETTS
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REVIEWED BY: Kate Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 3/19/2010
SIZE: ANSI F
FILE NAME: CRB992V101.S01
DATE: 3/19/10
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-992

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

CALVES ISLAND BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 2

SAFETY PAYS

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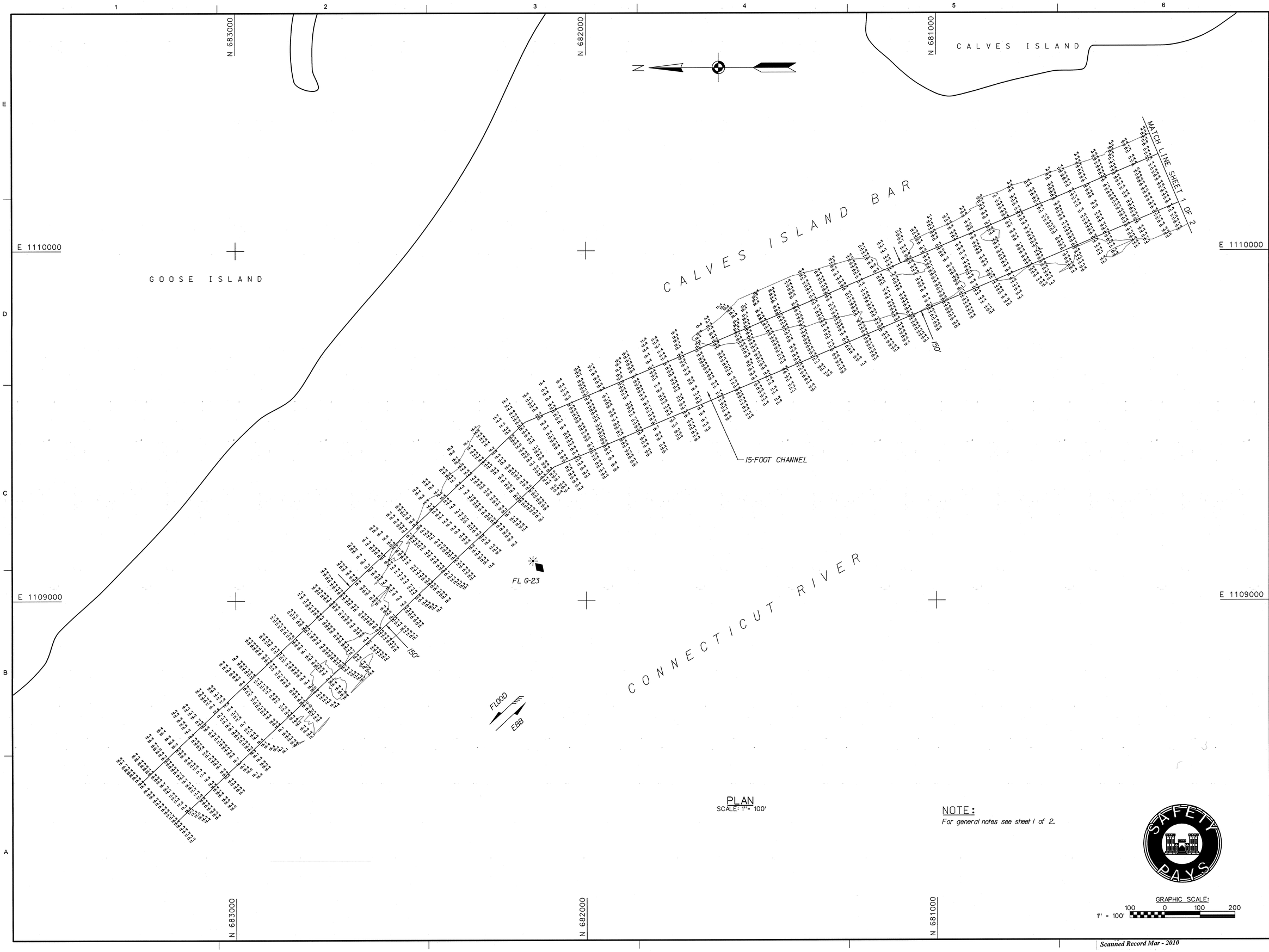

PLAN
SCALE: 1" = 100'

NOTE:
For general notes see sheet 1 of 2.

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

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New England District

MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

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CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

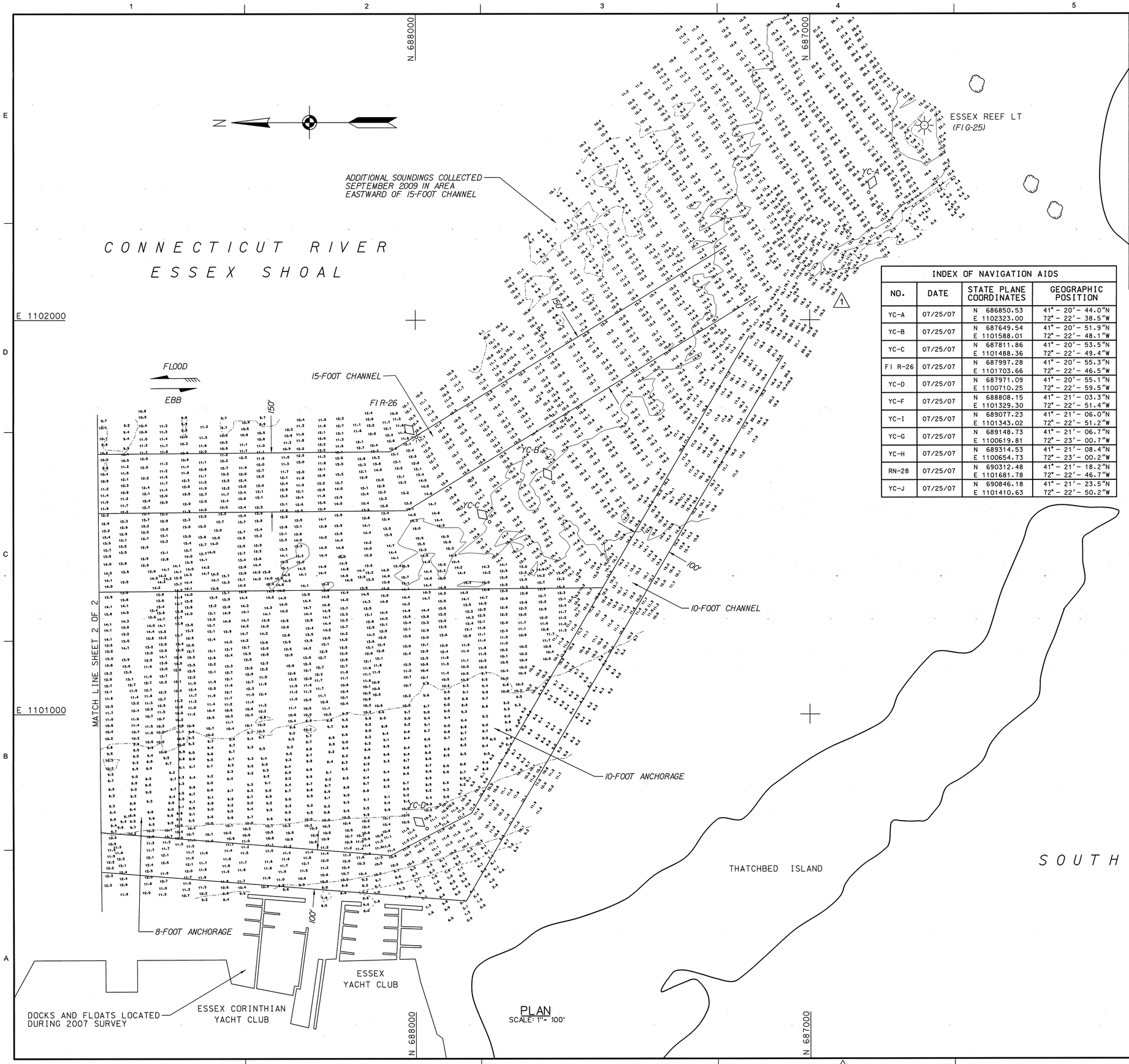
REVIEWED BY: Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 3/19/2010
SIZE: ANSI F
FILE NAME: CRB6902V102.S02
DATE: 3/19/10
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-992

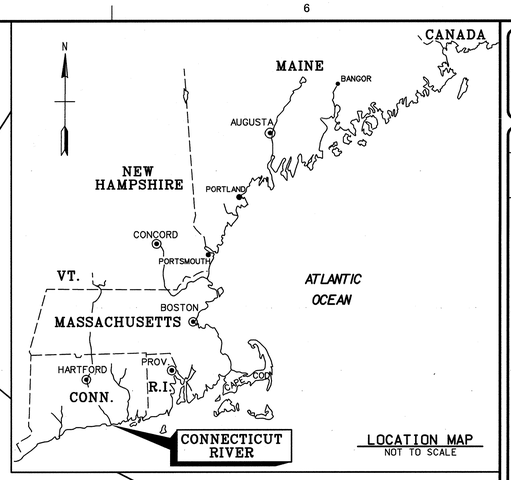
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

CALVES ISLAND BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-102
SHEET 2 OF 2

Scanned Record Mar - 2010





LOCATION MAP
NOT TO SCALE

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
YC-A	07/25/07	N 686850.53 E 1102323.00	41° - 20′ - 44.0″N 72° - 22′ - 38.5″W
YC-B	07/25/07	N 687649.54 E 1101588.01	41° - 20′ - 51.9″N 72° - 22′ - 48.1″W
YC-C	07/25/07	N 687811.86 E 1101488.36	41° - 20′ - 53.5″N 72° - 22′ - 49.4″W
FI R-26	07/25/07	N 687997.28 E 1101703.66	41° - 20′ - 55.3″N 72° - 22′ - 46.5″W
YC-D	07/25/07	N 687971.09 E 1100710.25	41° - 20′ - 55.1″N 72° - 22′ - 59.5″W
YC-F	07/25/07	N 688808.15 E 1101329.30	41° - 21′ - 03.3″N 72° - 22′ - 51.4″W
YC-I	07/25/07	N 689077.23 E 1101343.02	41° - 21′ - 06.0″N 72° - 22′ - 51.2″W
YC-G	07/25/07	N 689148.73 E 1100619.81	41° - 21′ - 06.7″N 72° - 23′ - 00.7″W
YC-H	07/25/07	N 689314.53 E 1100654.73	41° - 21′ - 08.4″N 72° - 23′ - 00.2″W
RN-28	07/25/07	N 690312.48 E 1101681.78	41° - 21′ - 18.2″N 72° - 22′ - 46.7″W
YC-J	07/25/07	N 690846.18 E 1101410.63	41° - 21′ - 23.5″N 72° - 22′ - 50.2″W

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. 12375. 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: BM 6 (1991) is a standard Corps of Engineers brass disk set on top of a concrete retaining wall located at the end of Main Street in Essex, 74.9 feet (22.8 m) east of a flagpole, 76.5 feet (23.3 m) south of BM Ramp (1978) and 10.2 feet (3.1 m) northwest of a storage shed. Elevation is 6.85 feet above MLLW.
4. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (0600 Zone) and NAD 1983.
5. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning was obtained utilizing a Leica 1200 GPS System. An RTK base station was set up on BM Ramp.
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during July 2007 and September 2009.
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 4415, 4535

8-foot depth contour shown thus:
10-foot depth contour shown thus:
15-foot depth contour shown thus:
Surveyed by: Robert MacGovern and Crew
Refer to Survey No. 07-886/01-03 & 09-1022/01

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.
1	CHANNEL LIMITS ADJUSTED TO AREA OF PREVIOUS DREDGING, REF. FROM DRAWING NO. 609	02/19/2010	EOD

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Chief, Survey Section
SUBMITTED BY: Chief, Survey Section

DATE: 3/19/10
DWN BY: MA
CKD BY: MA
DESIGN FILE: CRBM89V01.DGN
DRAWING CODE: CRBM89
PLOT SCALE: 1" = 100'
PLOT DATE: 19-Mar-2010
SIZE: ANSI F
FILE NAME: CRBM89V01.S01

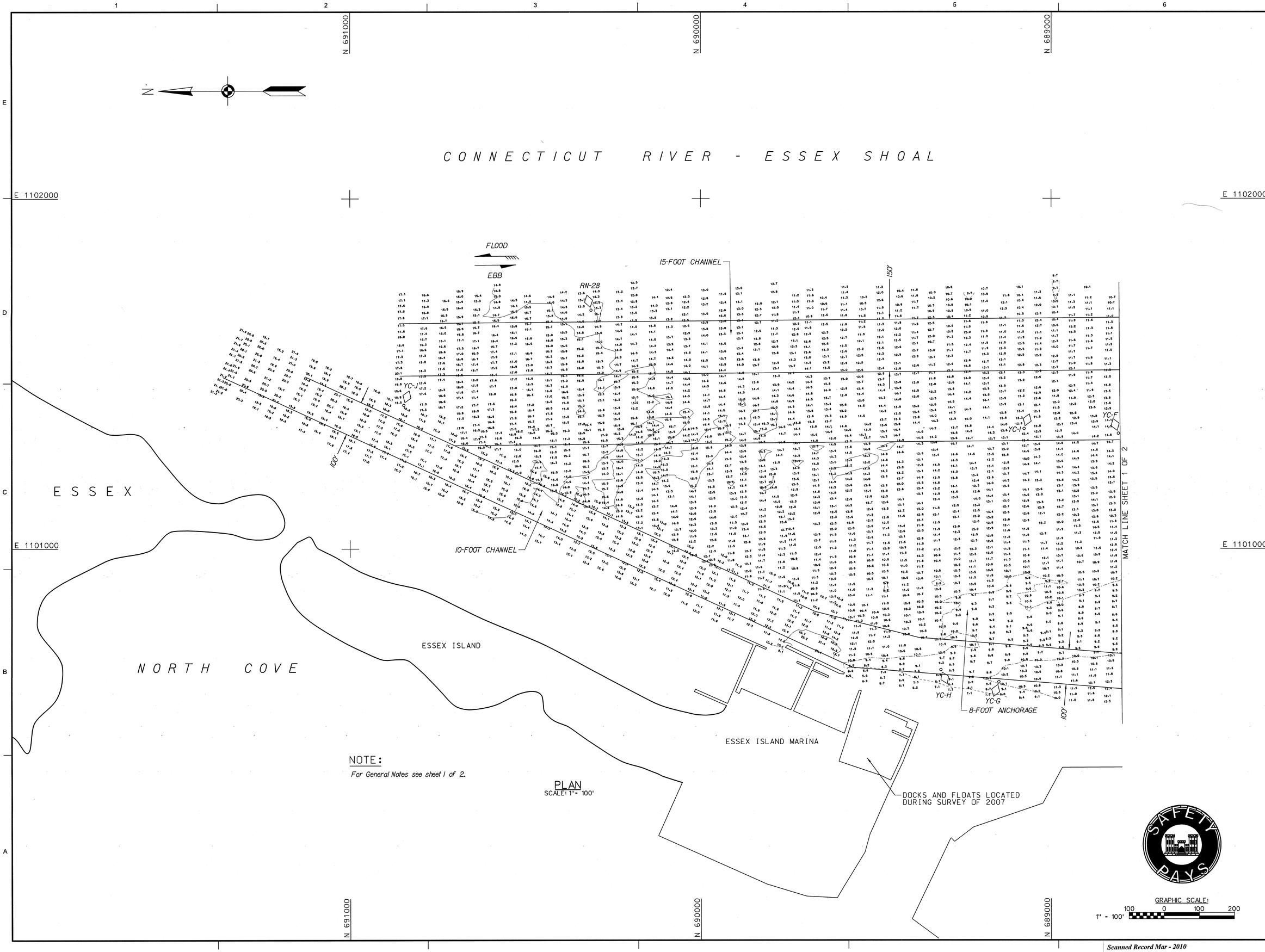
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

ESSEX SHOAL
CONDITION SURVEY
10 AND 15-FOOT CHANNELS
8 AND 10-FOOT ANCHORAGES

SHEET IDENTIFICATION
V-101
SHEET 1 OF 2

SAFETY PAYS

Scanned Record Mar - 2010



US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Mark T. Mowry, Asst. Chief, Survey Section
SUBMITTED BY: Mark T. Mowry, Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 3/19/2010
SIZE: ANSI F
FILE NAME: CRB689/V101.S02
DATE: 3/19/10
DWN BY: WWW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-889

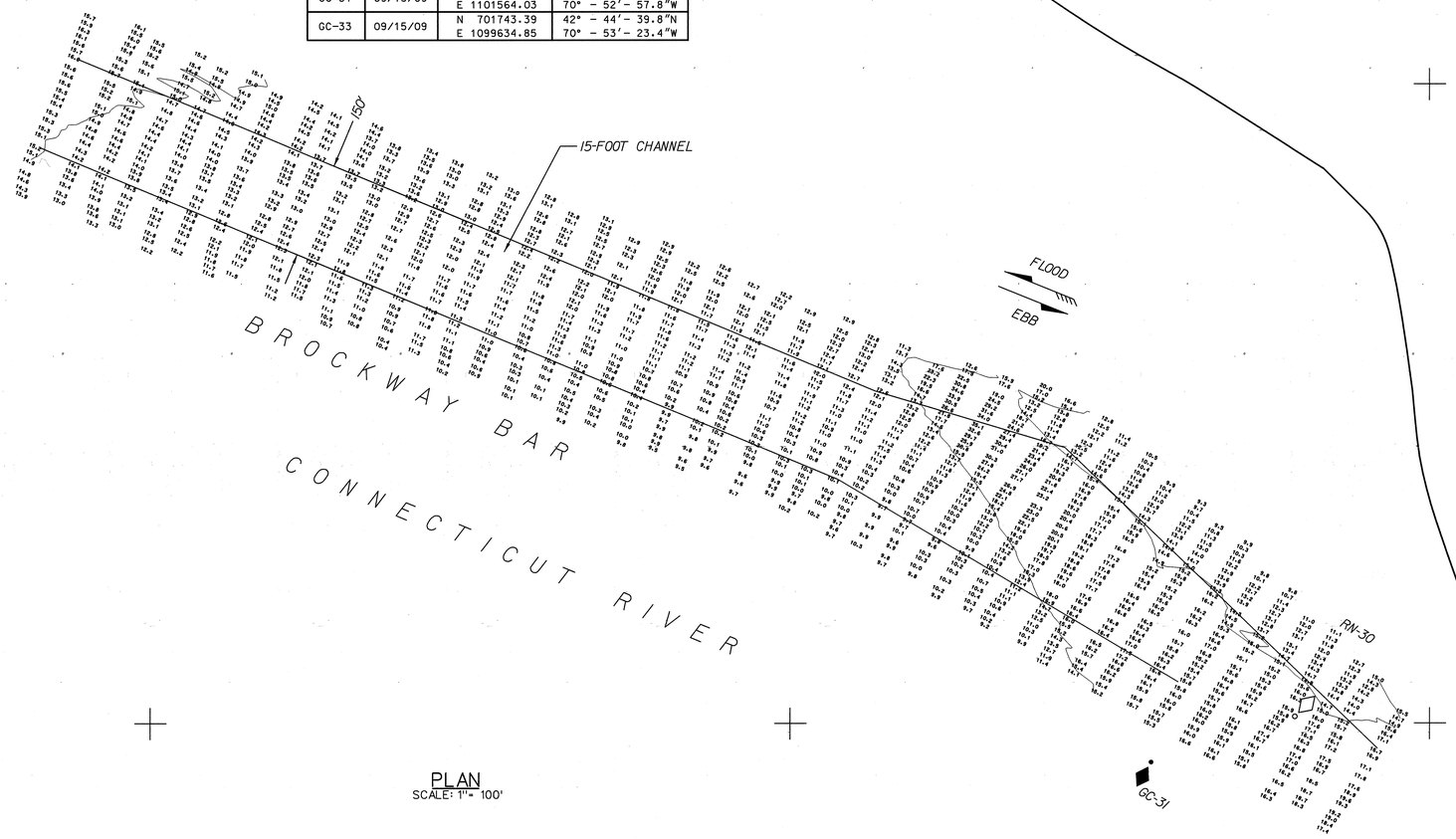
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

ESSEX SHOAL
CONDITION SURVEY
10 AND 15-FOOT CHANNELS
8 AND 10-FOOT ANCHORAGES

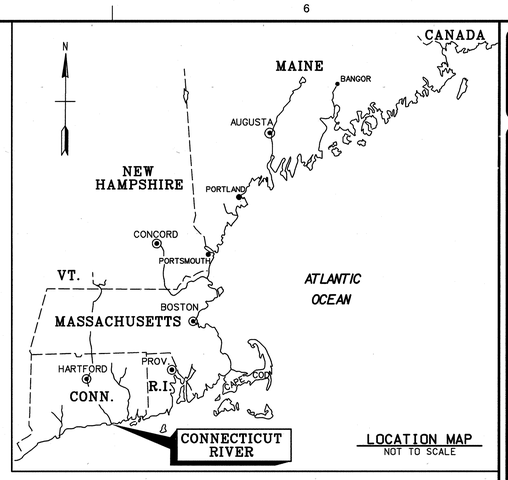
SHEET IDENTIFICATION
V-102
SHEET 2 OF 2

Scanned Record Mar - 2010

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-30	09/15/09	N 701010.14 E 1101789.22	42° - 44′- 32.1″N 70° - 52′- 54.8″W
GC-31	09/15/09	N 700938.78 E 1101564.03	42° - 44′- 31.4″N 70° - 52′- 57.8″W
GC-33	09/15/09	N 701743.39 E 1099634.85	42° - 44′- 39.8″N 70° - 53′- 23.4″W



PLAN
SCALE: 1" = 100'



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. 12375. 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: TBM COOPER (2009) is a ½" re-rod driven flush with the ground on a stone stacked earthen pier located at the end of a partially paved dirt road, Elys Ferry Road on the property of Coopers on the south side of Eight Mile River, 6.10 feet (1.86 m) southwest of a pile on the northeast face of the wooden bulkhead, and 9.44 feet (2.88 m) east of a pile on the southeast end from face of wooden bulkhead.
Elevation is 5.36 feet above MLLW.
4. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
5. Survey was performed using an Odom MK3 echotrac echosounder. Positioning was obtained utilizing a Leica 1200 GPS System. An RTK base station was setup on TBM Cooper using a 2.08 NAVD88 to MLLW correction at this location.
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during September 2009.
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 4535
15-foot depth contour shown thus: ————
Surveyed by: Robert MacGovern and Crew
Refer to Survey No. 09-1022/01

SAFETY PAYS

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

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New England District

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

DATE: 3/19/10
DWN BY: MAB
CKD BY: MAB
DESIGN FILE: CRBHSP1.DGN
DRAWING CODE: DRB-003
FILE NAME: CRBBSV101.S01
SIZE: ANSI F
PLOT SCALE: 1" = 100'
PLOT DATE: 3/19/2010

REVIEWED BY: Asst Chief, Survey Section
SUBMITTED BY: Chief, Survey Section

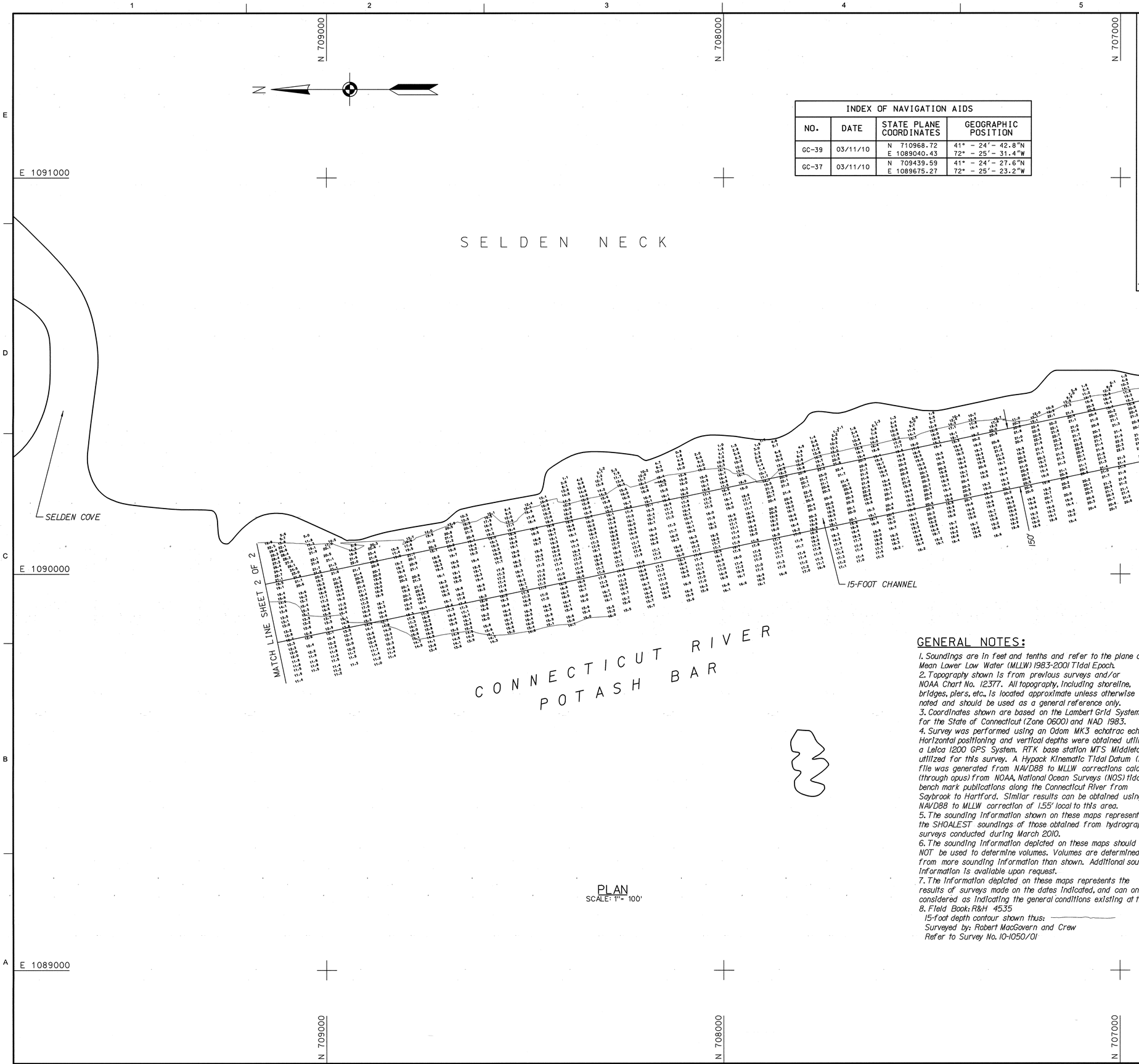
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

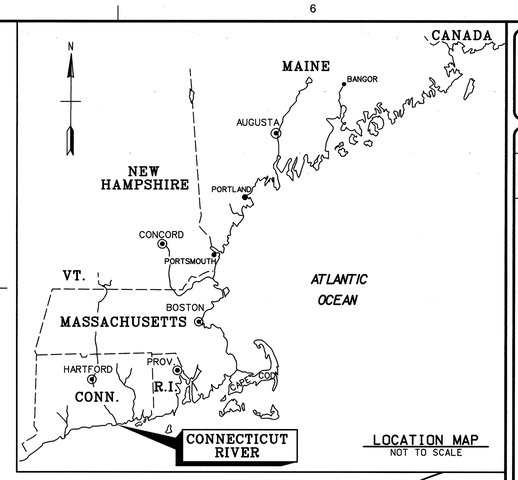
BROCKWAY BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

Scanned Record Mar - 2010



INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-39	03/11/10	N 710968.72 E 1089040.43	41° - 24'- 42.8"N 72° - 25'- 31.4"W
GC-37	03/11/10	N 709439.59 E 1089675.27	41° - 24'- 27.6"N 72° - 25'- 23.2"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. 12377. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford. Similar results can be obtained using a NAVD88 to MLLW correction of 1.55' local to this area.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during March 2010.
6. 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.
7. 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.
8. Field Book: R&H 4535
   15-foot depth contour shown thus:
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No. 10-1050/01

PLAN
SCALE: 1"= 100'

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

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MARK	DESCRIPTION	DATE	APPR

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NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
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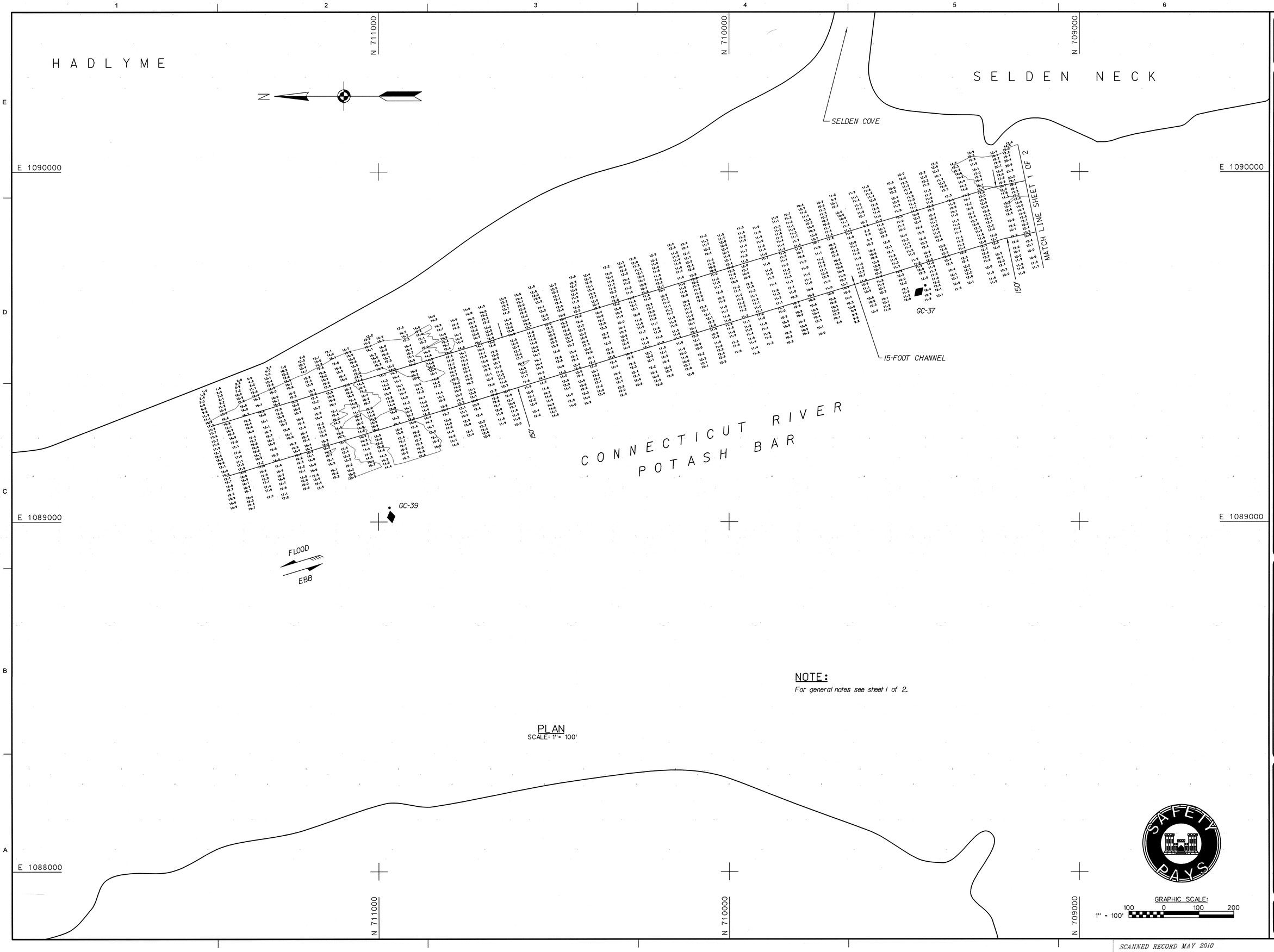
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 5/11/10
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-997
PLOT SCALE: 1" = 100'
PLOT DATE: 3/31/2010
SIZE: ANSI F
FILE NAME: CRB997V101.S01

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

POTASH BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 2

SCANNED RECORD MAY 2010



NOTE:
For general notes see sheet 1 of 2.

PLAN
SCALE: 1"= 100'

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MARK	DESCRIPTION	DATE	APPR

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NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 5/11/10
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-997
PLOT SCALE: 1" = 100'
PLOT DATE: 3/31/2010
SIZE: ANSI F
FILE NAME: CRB997V102.S02

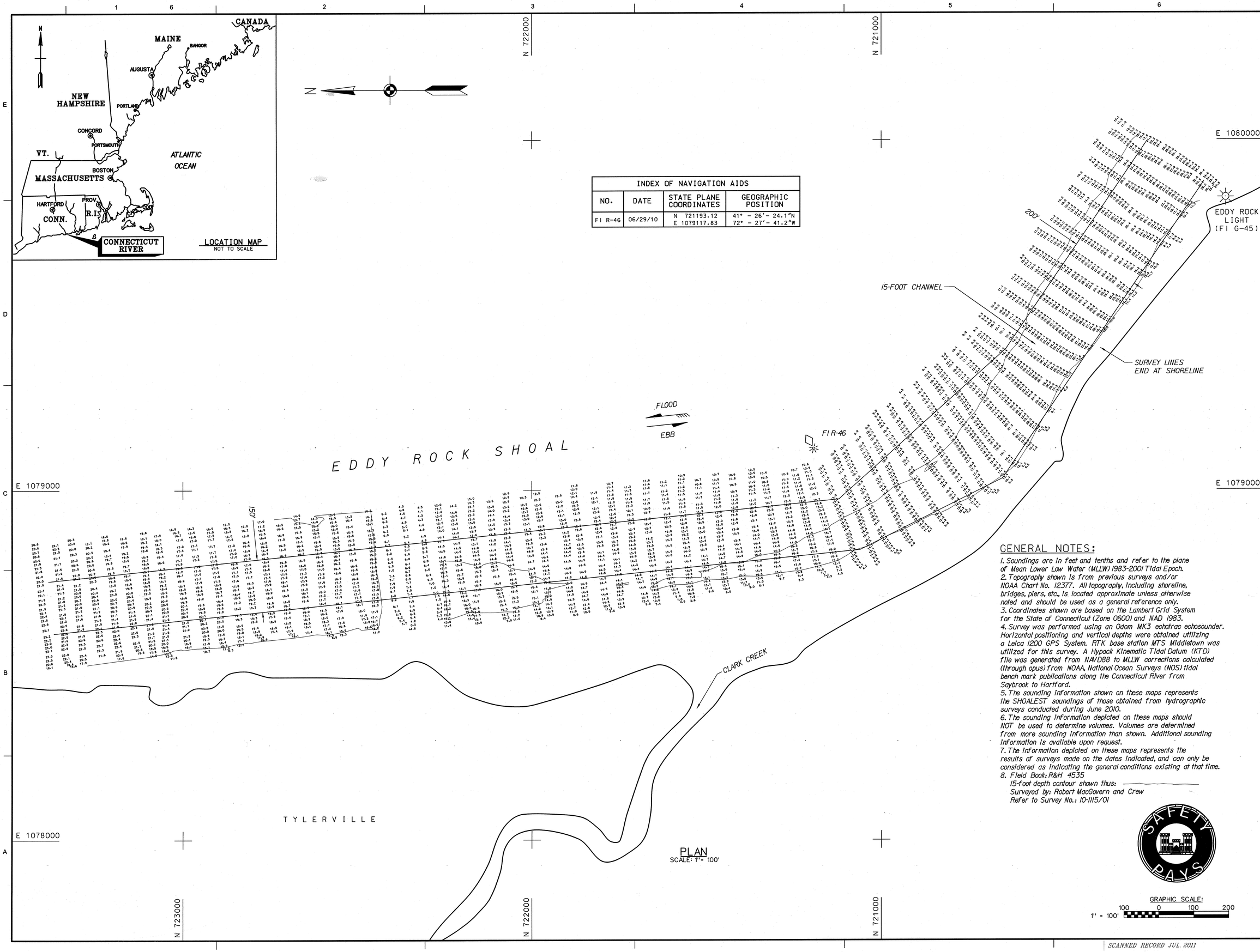
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
POTASH BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-102
SHEET 2 OF 2

SCANNED RECORD MAY 2010

LOCATION MAP
NOT TO SCALE

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
Fl R-46	06/29/10	N 721193.12 E 1079117.83	41° - 26′- 24.1″N 72° - 27′- 41.2″W



PLAN
SCALE: 1" = 100'

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. 12377. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during June 2010.
6. 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.
7. 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.
8. Field Book: R&H 4535
   15-foot depth contour shown thus: ————
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1115/01

SAFETY PAYS

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

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MARK	DESCRIPTION	DATE	APPR.

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NEW ENGLAND DISTRICT
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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE:
DWN BY: WWW
CKD BY: MTM
SCALE: 1" = 100'
PLOT SCALE: 1" = 100'
PLOT DATE: 7/12/2011
DRAWING CODE: CRBSBR-888
DWG NAME: CRBSBRV101.S01
SIZE: ANSI F
FILE NAME: CRBSBRV101.S01

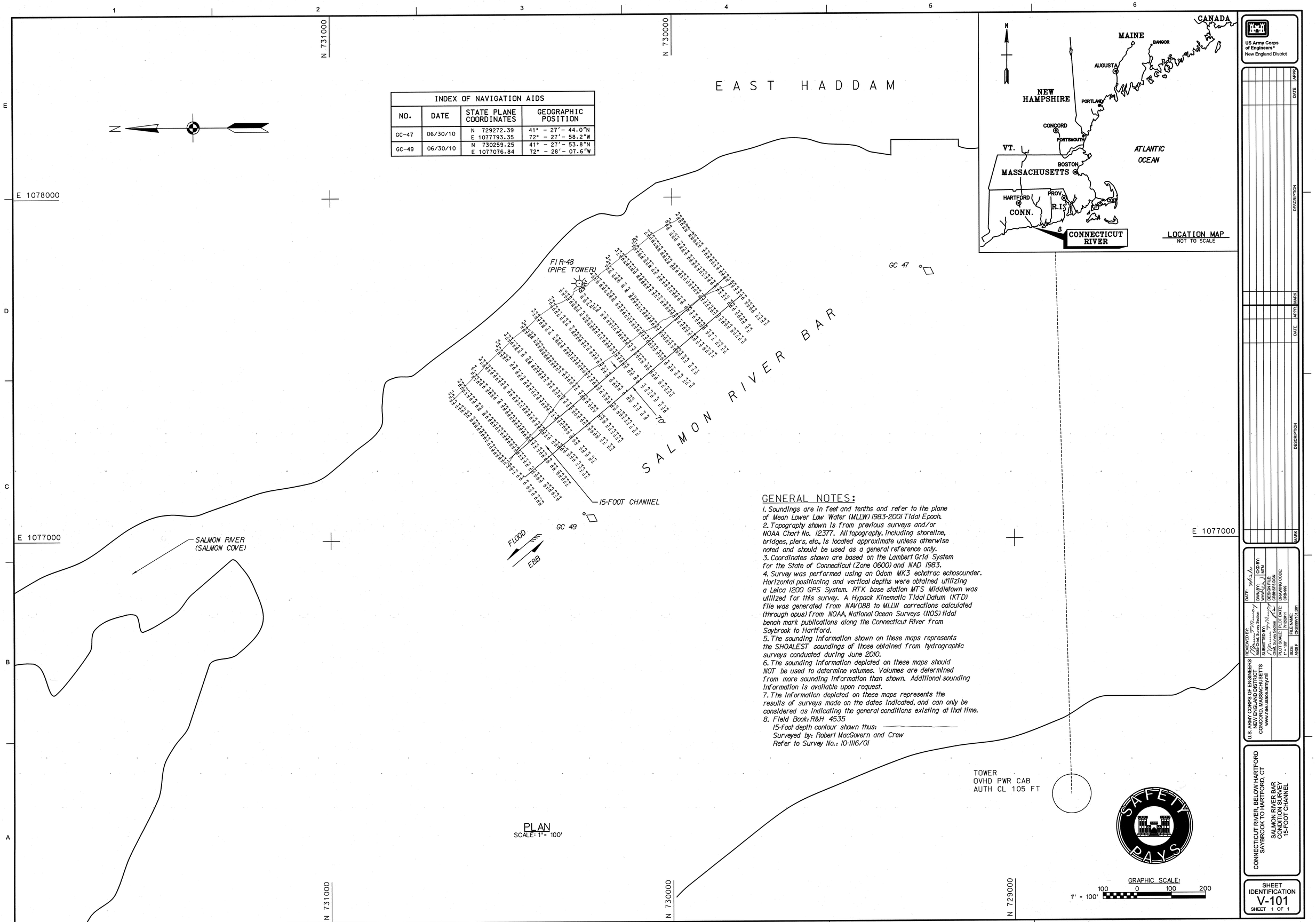
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

EDDY ROCK SHOAL
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SCANNED RECORD JUL. 2011

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-47	06/30/10	N 729272.39 E 1077793.35	41° - 27′- 44.0″N 72° - 27′- 58.2″W
GC-49	06/30/10	N 730259.25 E 1077076.84	41° - 27′- 53.8″N 72° - 28′- 07.6″W



PLAN
SCALE: 1" = 100'

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. 12377. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during June 2010.
6. 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.
7. 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.
8. Field Book: R&H 4535
   15-foot depth contour shown thus: ————————
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1116/01

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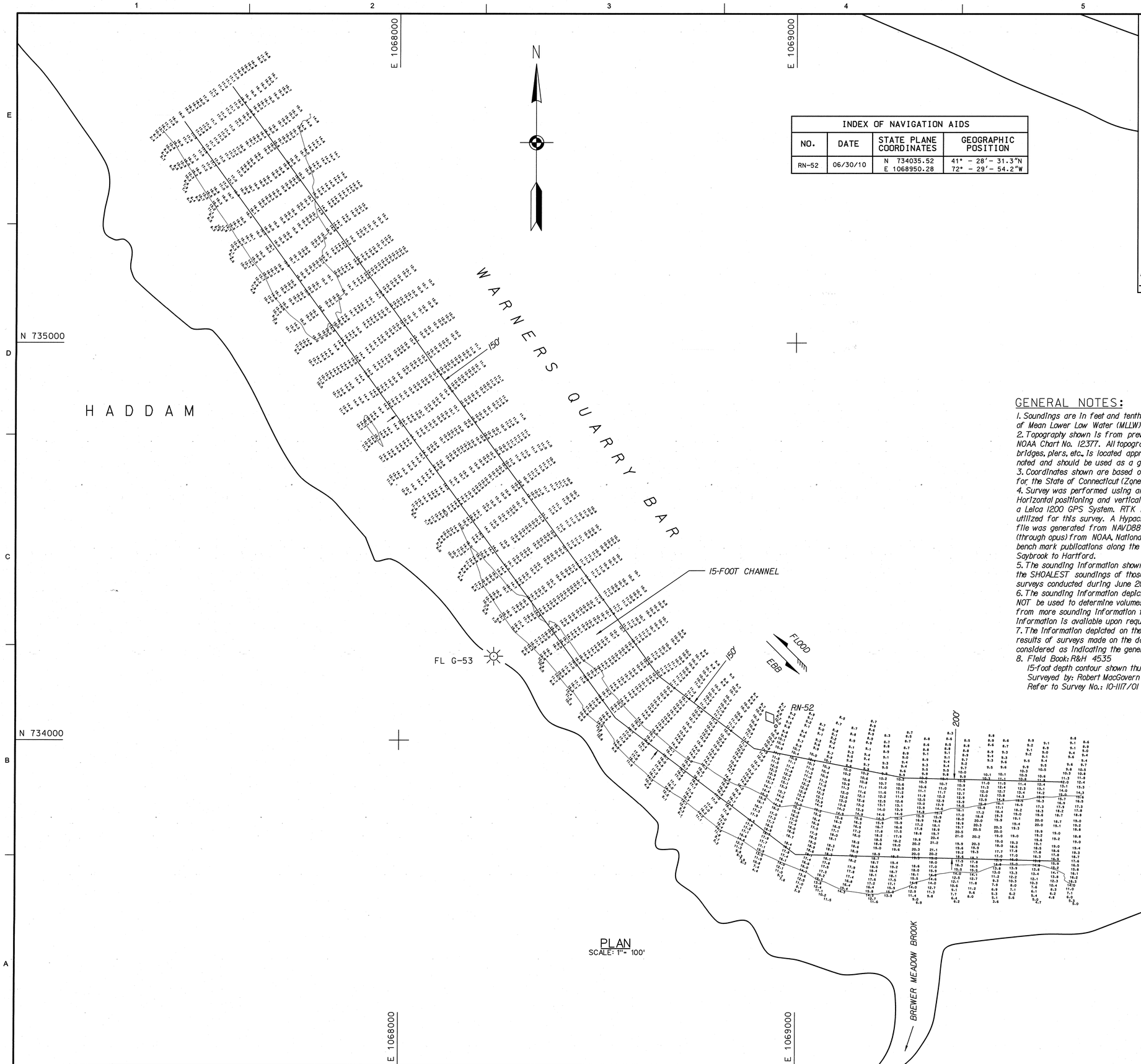
REVIEWED BY: Alfred C. Stiller, Jr. Acting Chief, Survey Section
SUBMITTED BY: Alfred C. Stiller, Jr. Chief, Survey Section
DATE: 7/15/11
DWN BY: WWH
CKD BY: MTM
DESIGN FILE: CONN0100.DGN
DRAWING CODE: CRB-999
PLOT SCALE: 1" = 100'
PLOT DATE: 7/15/2011
SIZE: ANSI F
FILE NAME: FILE NAME: 591

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

SALMON RIVER BAR
CONDITION SURVEY
15-FOOT CHANNEL

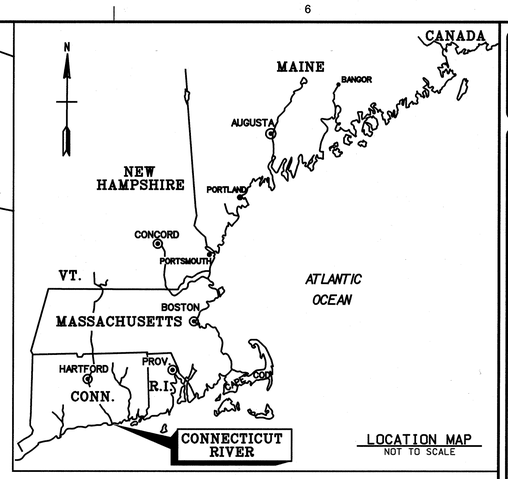
SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SCANNED RECORD JUL. 2011



PLAN
SCALE: 1" = 100'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-52	06/30/10	N 734035.52 E 1068950.28	41° - 28′ - 31.3″N 72° - 29′ - 54.2″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. 12377. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during June 2010.
6. 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.
7. 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.
8. Field Book: R&H 4535
   15-foot depth contour shown thus: ————
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1117/01

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

SAFETY PAYS

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New England District

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

DATE: 7/13/11
DWN BY: Wayne A. Wood
CKD BY: MTM
DESIGN SCALE: CRBHSP3.DGN
DRAWING CODE: CRB-1000
PLOT DATE: 7/12/2011
FILE NAME: CRB1000V101.S01
PLOT SCALE: 1=100'
SIZE: ANSI F

REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section

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CONCORD, MASSACHUSETTS
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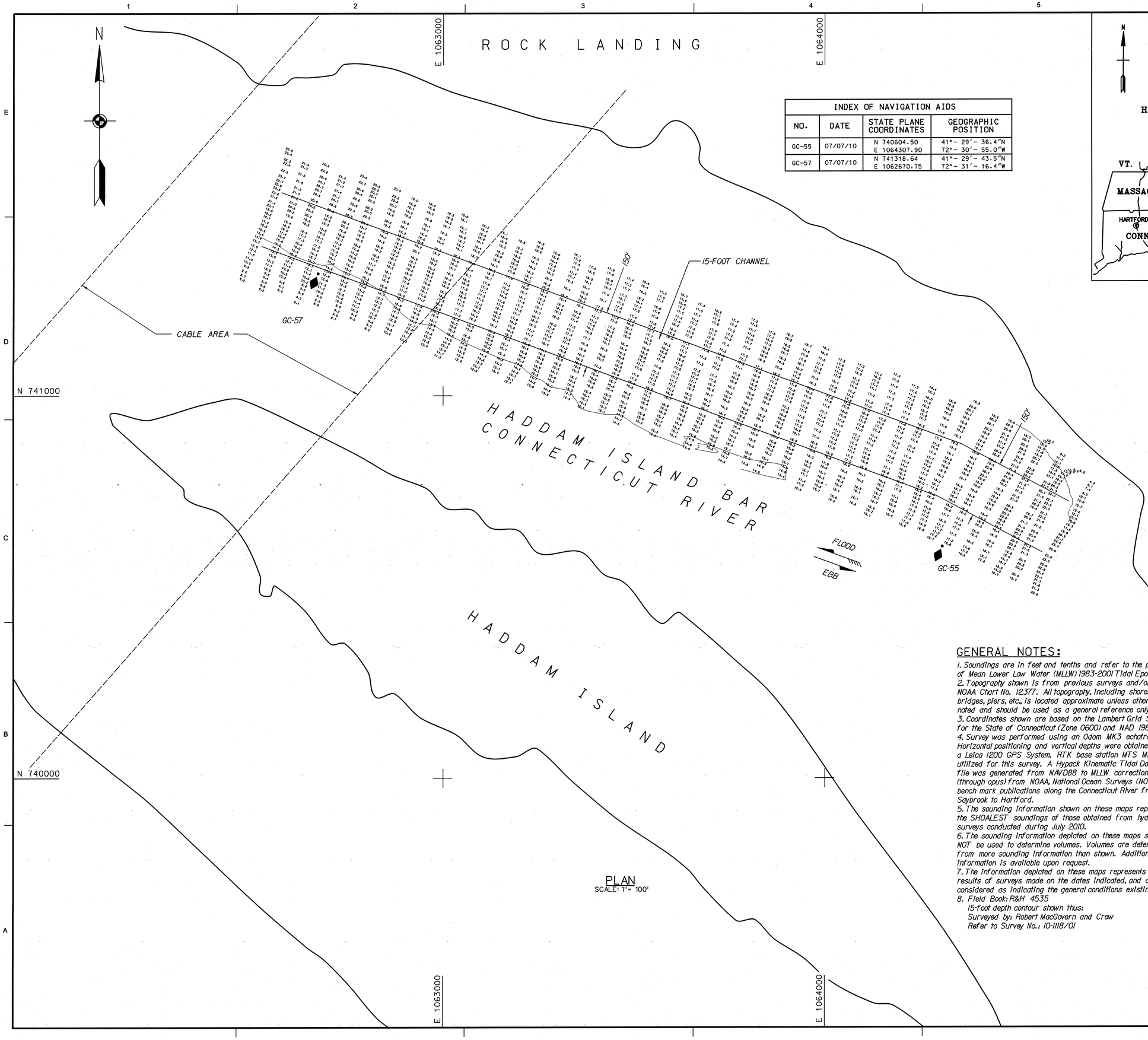
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

WARNERS QUARRY BAR
CONDITION SURVEY
15-FOOT CHANNEL

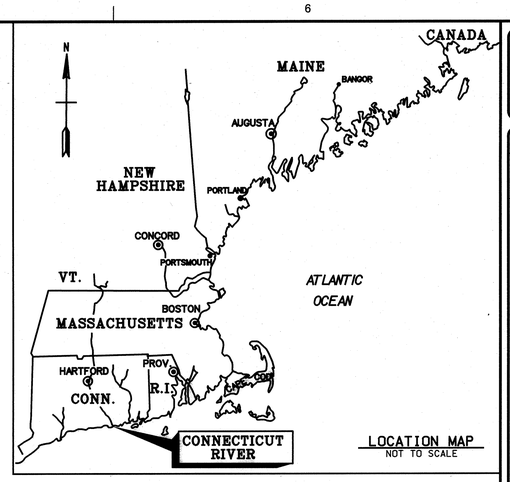
SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SCANNED RECORD JUL. 2011



PLAN
SCALE: 1" = 100'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-55	07/07/10	N 740604.50 E 1064307.90	41°- 29′- 36.4″N 72°- 30′- 55.0″W
GC-57	07/07/10	N 741318.64 E 1062670.75	41°- 29′- 43.5″N 72°- 31′- 16.4″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. 12377. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during July 2010.
6. 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.
7. 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.
8. Field Book: R&H 4535
   15-foot depth contour shown thus:
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1118/01

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

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MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

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NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
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REVIEWED BY: Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 11/8/11
DWN BY: MARK BOLTON
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRD-1001
PLOT SCALE: 1" = 100'
PLOT DATE: 11/08/2011
FILE NAME: CRB3100V101.001
SIZE: ANSI E

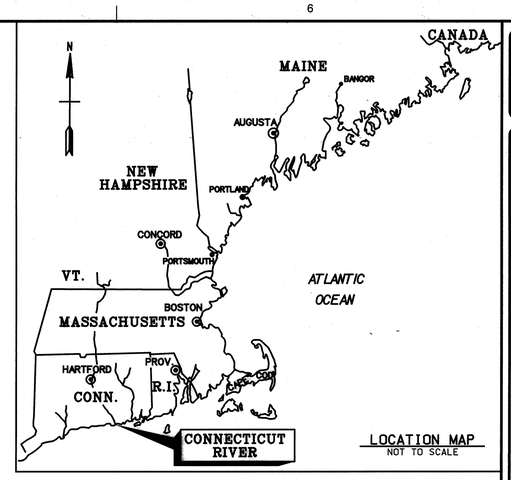
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

HADDAM ISLAND BAR
CONDITION SURVEY
15-FOOT CHANNEL

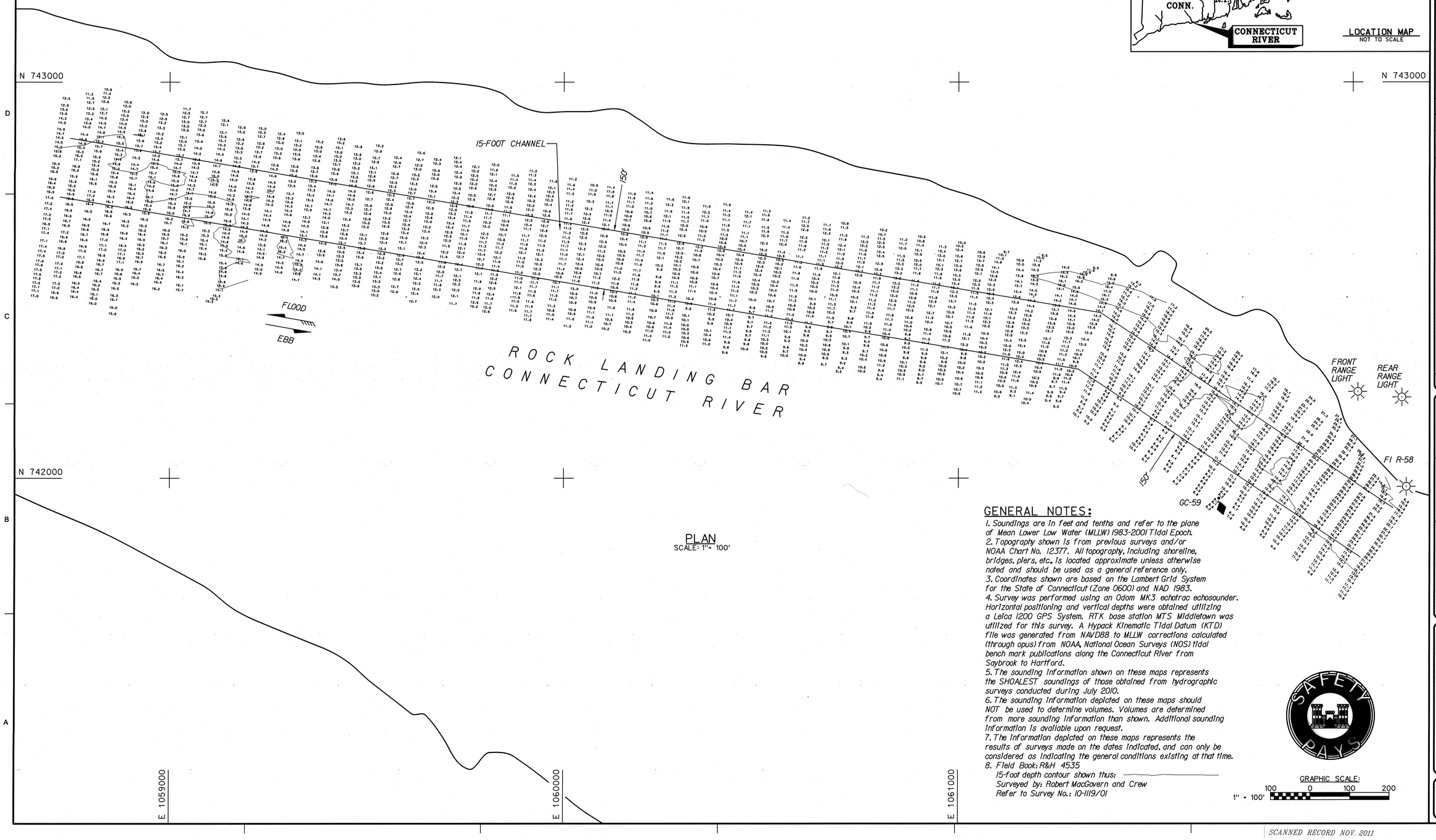
SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SCANNED RECORD NOV. 2011

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-59	07/08/10	N 741949.10 E 1061660.46	41°- 29′- 49.7″N 72°- 31′- 29.7″W



LOCATION MAP
NOT TO SCALE



PLAN
SCALE: 1" = 100'

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. 12377. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during July 2010.
6. 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.
7. 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.
8. Field Book: R&H 4535

15-foot depth contour shown thus: ————————

Surveyed by: Robert MacGovern and Crew

Refer to Survey No.: 10-1119/01

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

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New England District

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

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NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 7/28/2010
SIZE: ANSI F
FILE NAME: CRB1002V10.001

DATE: 7/8/10
DWN BY: MDM
CKD BY: MDM
DESIGN FILE: CRB1HSP10.DGN
DRAWING CODE: DRB-HYD
DRB-HYD

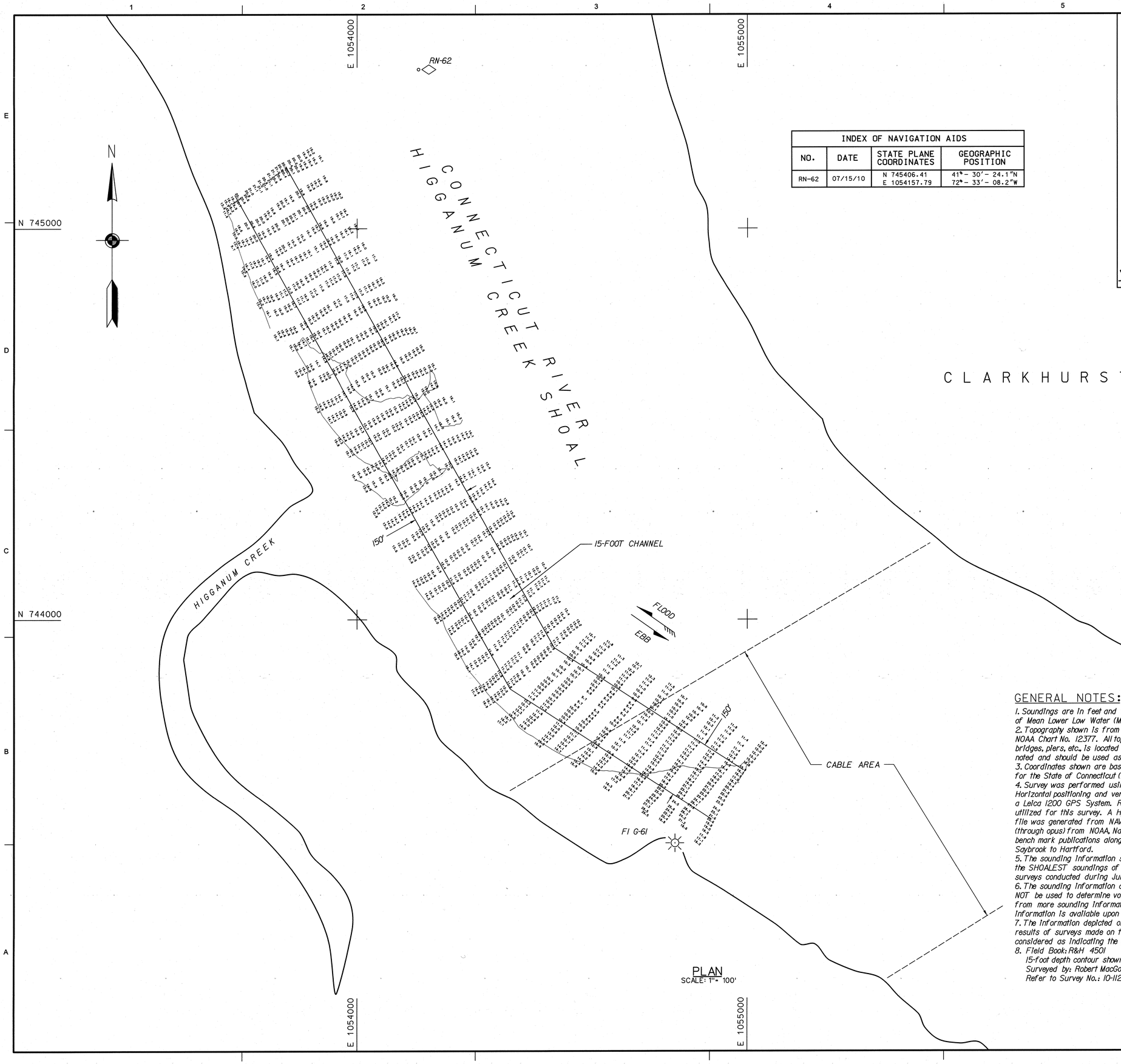
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

ROCK LANDING BAR
CONDITION SURVEY
15-FOOT CHANNEL

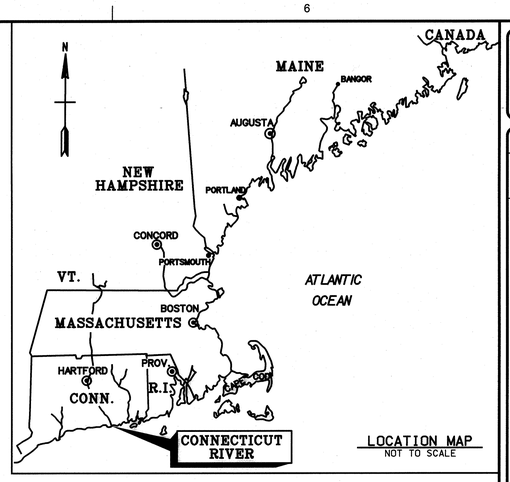
SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SAFETY PAYS

SCANNED RECORD NOV. 2011



INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-62	07/15/10	N 745406.41 E 1054157.79	41°- 30'- 24.1"N 72°- 33'- 08.2"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. 12377. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during July 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501
   15-foot depth contour shown thus: ————
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1120/01

PLAN
SCALE: 1" = 100'

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

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New England District

MARK	DESCRIPTION	DATE	APPR

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 7/25/2011
SIZE: ANSI F
FILE NAME: CRB100AV101.S01
DATE: 11/8/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-1004

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
HIGGANUM CREEK SHOAL
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SCANNED RECORD NOV. 2011

N 750000 | N 749000 | N 748000

E 1054000

E 1053000

E 1052000

BREAKWATER

SCOVILL ROCK BAR
CONNECTICUT RIVER

FLOOD

EBB

15-FOOT CHANNEL

RN-66

150'

FRONT RANGE LIGHT (Fl G-67)

REAR RANGE LIGHT

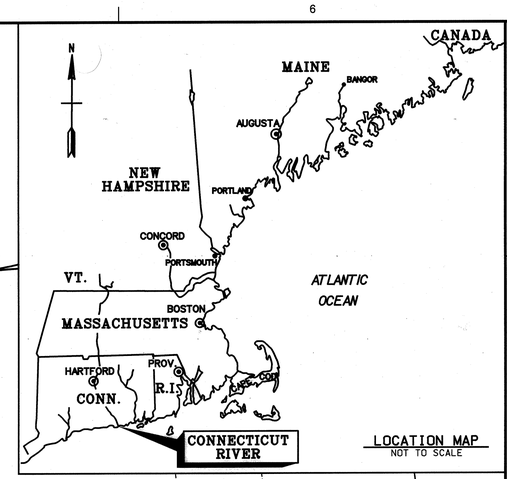
SCOVILL ROCK

TOWER

OVHD PWR CABS
AUTH CL 101 FT

PLAN
SCALE: 1"= 100'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-66	07/15/10	N 748879.30 E 1052728.30	41°- 30′- 58.4″N 72°- 33′- 26.9″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. 12377. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during July 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501
   15-foot depth contour shown thus: ————————
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1121/01

SAFETY PAYS

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

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MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
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REVIEWED BY: Andrew Fox, Survey Section Chief
SUBMITTED BY: Chief, Survey Section
DATE: 7/22/2011
SCALE: 1" = 100'
SIZE: ANSI F
DRAWN BY: Jeffrey Tyler
DATE: 7/22/2011
DESIGN FILE: CRBH8PS.DGN
CADD CODE: CRB-1000
FILE NAME: C:\8\1000\V101.DS1

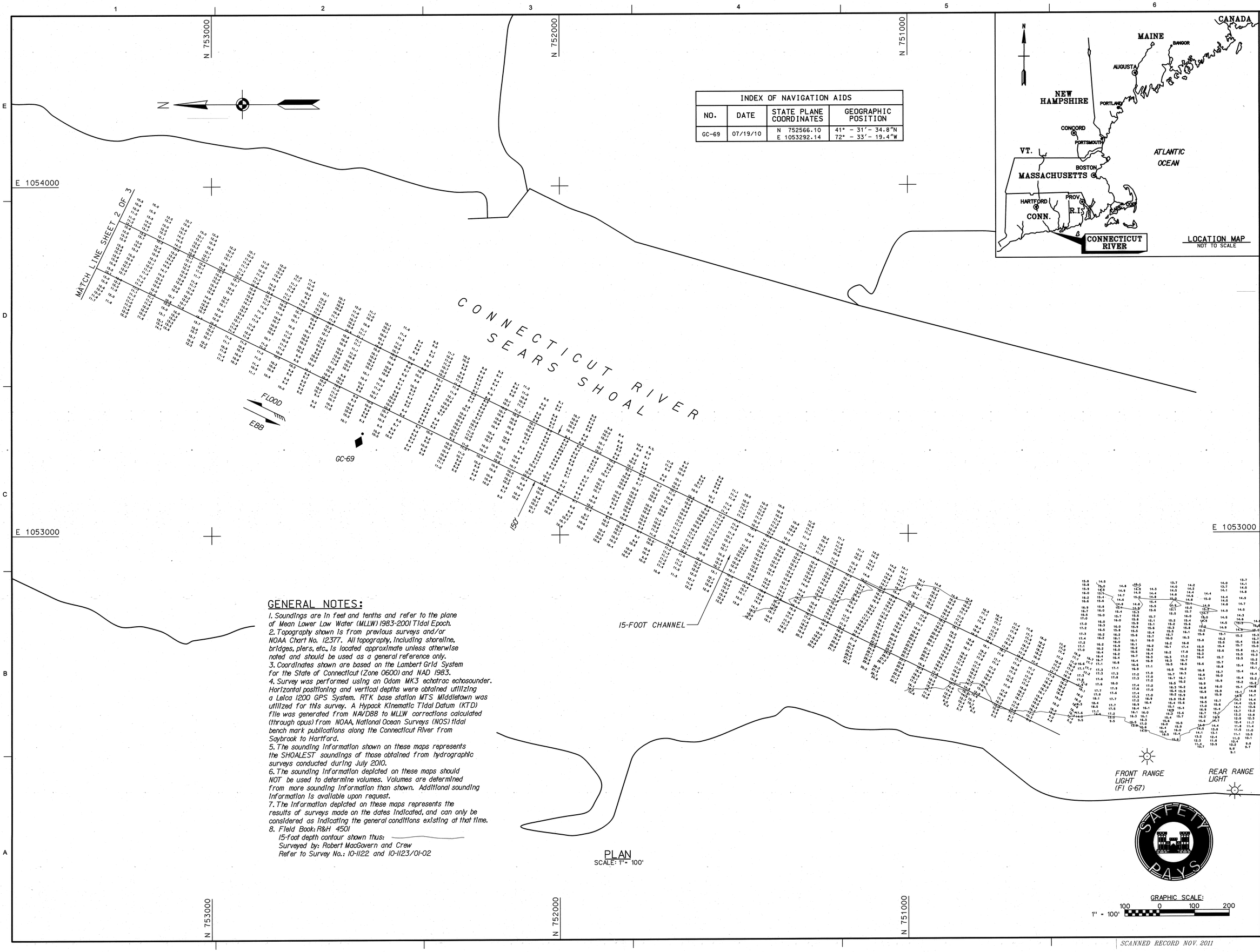
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

SCOVILL ROCK BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SCANNED RECORD NOV. 2011

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-69	07/19/10	N 752566.10 E 1053292.14	41° - 31′- 34.8″N 72° - 33′- 19.4″W



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. 12377. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during July 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501
   15-foot depth contour shown thus: ———
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1122 and 10-1123/01-02

PLAN
SCALE: 1"= 100'

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MARK	DESCRIPTION	DATE	APPR.

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NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Eric Fredericksen, Asst. Chief, Survey Section
SUBMITTED BY: Jeff Gowan, Chief, Survey Section
DATE: 11/8/11
DWN BY: Wm Cox
CKD BY: MTM
APPD BY: Jeff Gowan
CRBSHPS1.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 10/15/2011
DRAWING CODE: C-65-1006
FILE NAME: ANSI F
CRB10000/101-501

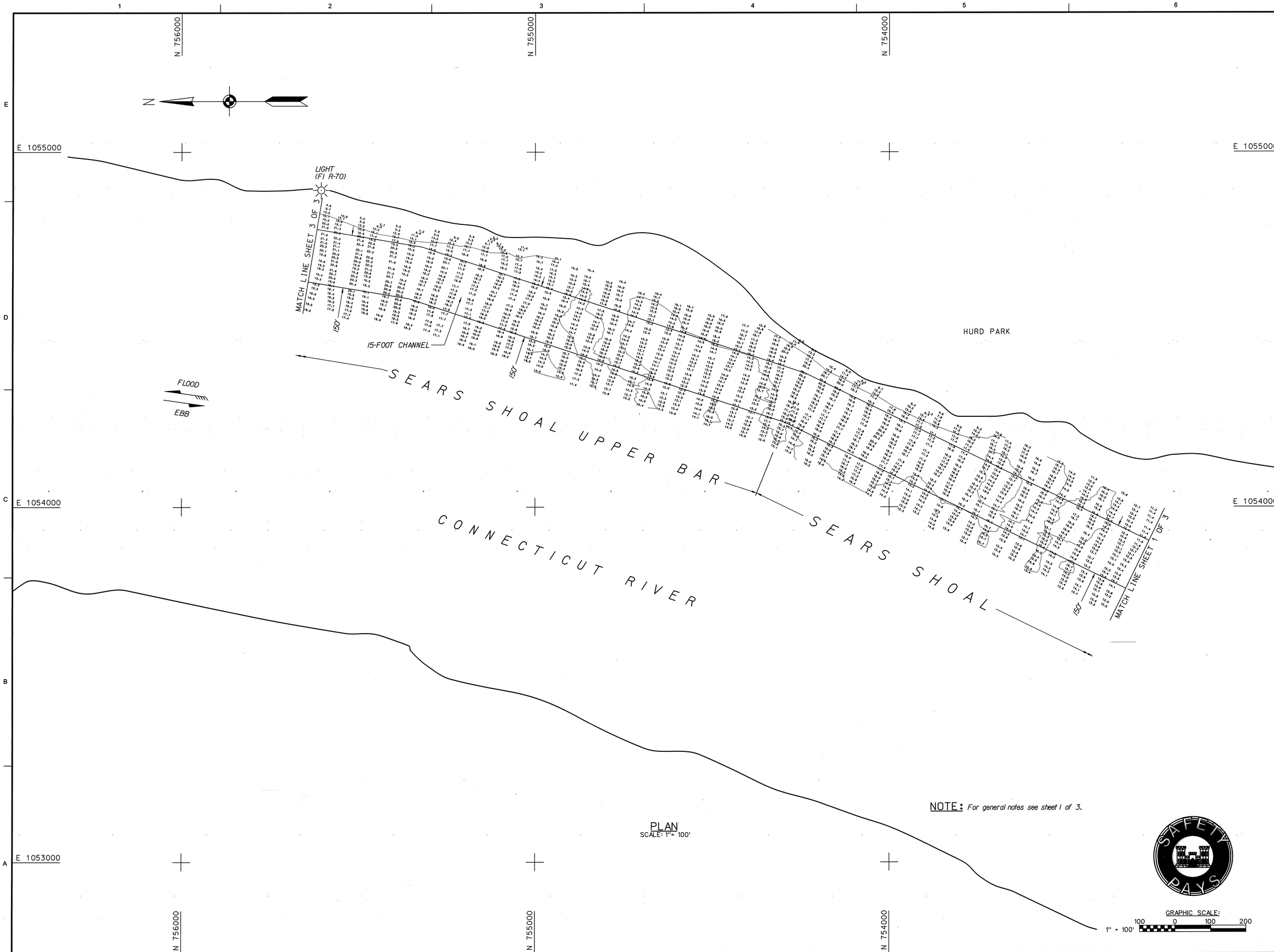
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

SEARS SHOAL AND
SEARS SHOAL UPPER BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 3

SAFETY PAYS

SCANNED RECORD NOV. 2011



NOTE: For general notes see sheet 1 of 3.

PLAN
SCALE: 1" = 100'

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

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CONCORD, MASSACHUSETTS
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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 10/15/2011
SIZE: ANSI F
FILE NAME: CRB1006V102.S02
DATE: 11/8/11
DWN BY: WWW
CKD BY: MTM
DESIGN FILE: CRBHSF3.DGN
DRAWING CODE: CRB-1006

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

SEARS SHOAL AND
SEARS SHOAL UPPER BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-102
SHEET 2 OF 3

SCANNED RECORD NOV. 2011

PLAN
SCALE: 1"= 100'

NOTE: For general notes see sheet 1 of 3.

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

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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 11/8/11
DWN BY: WHN
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-1006
PLOT SCALE: 1" = 100'
PLOT DATE: 10/15/2011
SIZE: ANSI F
FILE NAME: CRB1006V103.S03

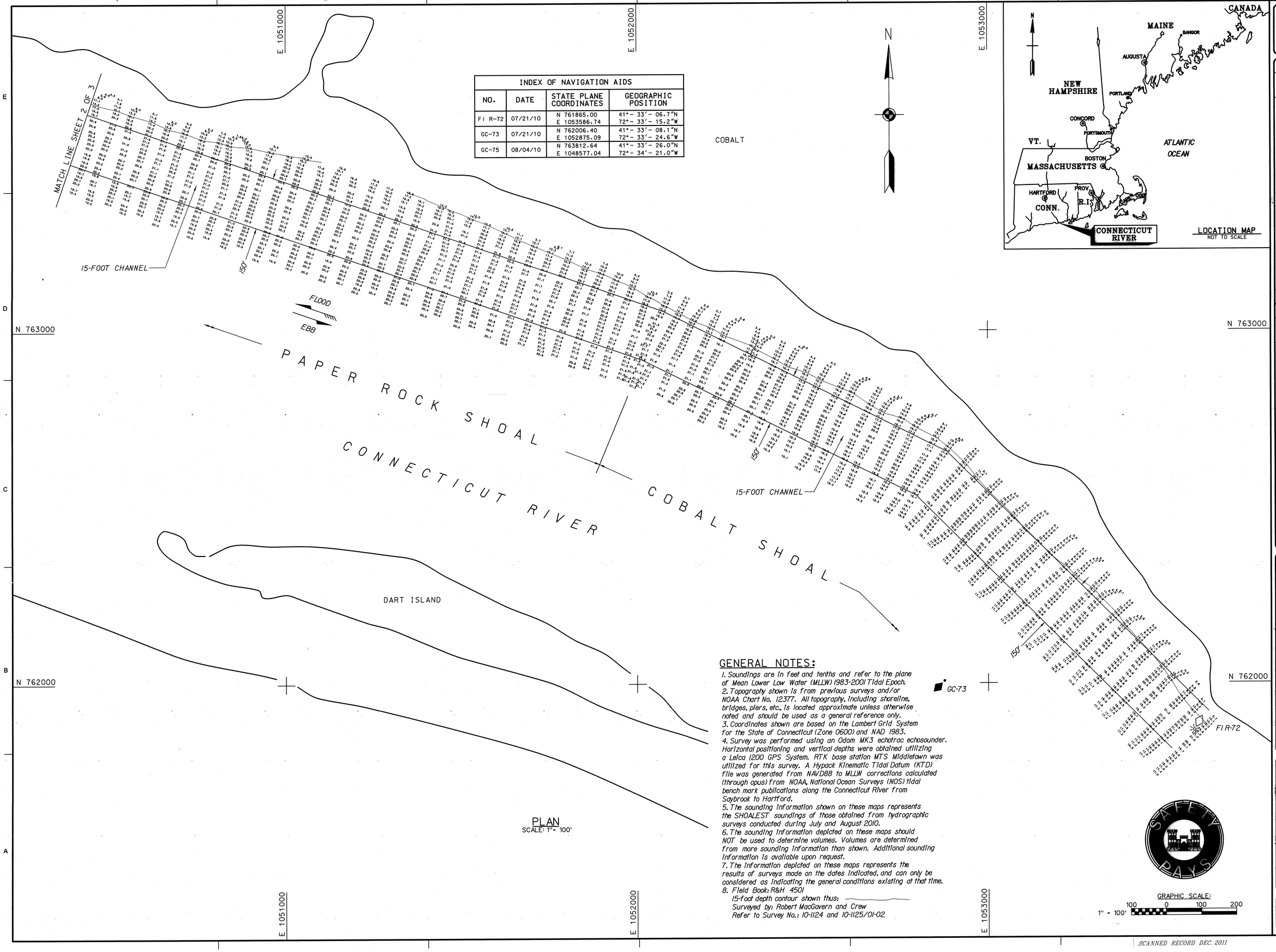
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

SEARS SHOAL AND
SEARS SHOAL UPPER BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-103
SHEET 3 OF 3

SCANNED RECORD NOV. 2011

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
Fl R-72	07/21/10	N 761865.00 E 1053586.74	41°- 33′- 06.7″N 72°- 33′- 15.2″W
GC-73	07/21/10	N 762006.40 E 1052875.09	41°- 33′- 08.1″N 72°- 33′- 24.6″W
GC-75	08/04/10	N 763812.64 E 1048577.04	41°- 33′- 26.0″N 72°- 34′- 21.0″W



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. 12377. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during July and August 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501
   15-foot depth contour shown thus: ————
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1124 and 10-1125/01-02

PLAN
SCALE: 1"= 100'

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MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

REVIEWED BY: Asst. Chief Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 12/12/11
DWN BY: WHW
CKD BY: EMM
DESIGN FILE: CRBSHP3.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 12/22/11
DRAWING CODE: CRB-1007
FILE NAME: CRB1007V101.SH1
SIZE: ANSI F

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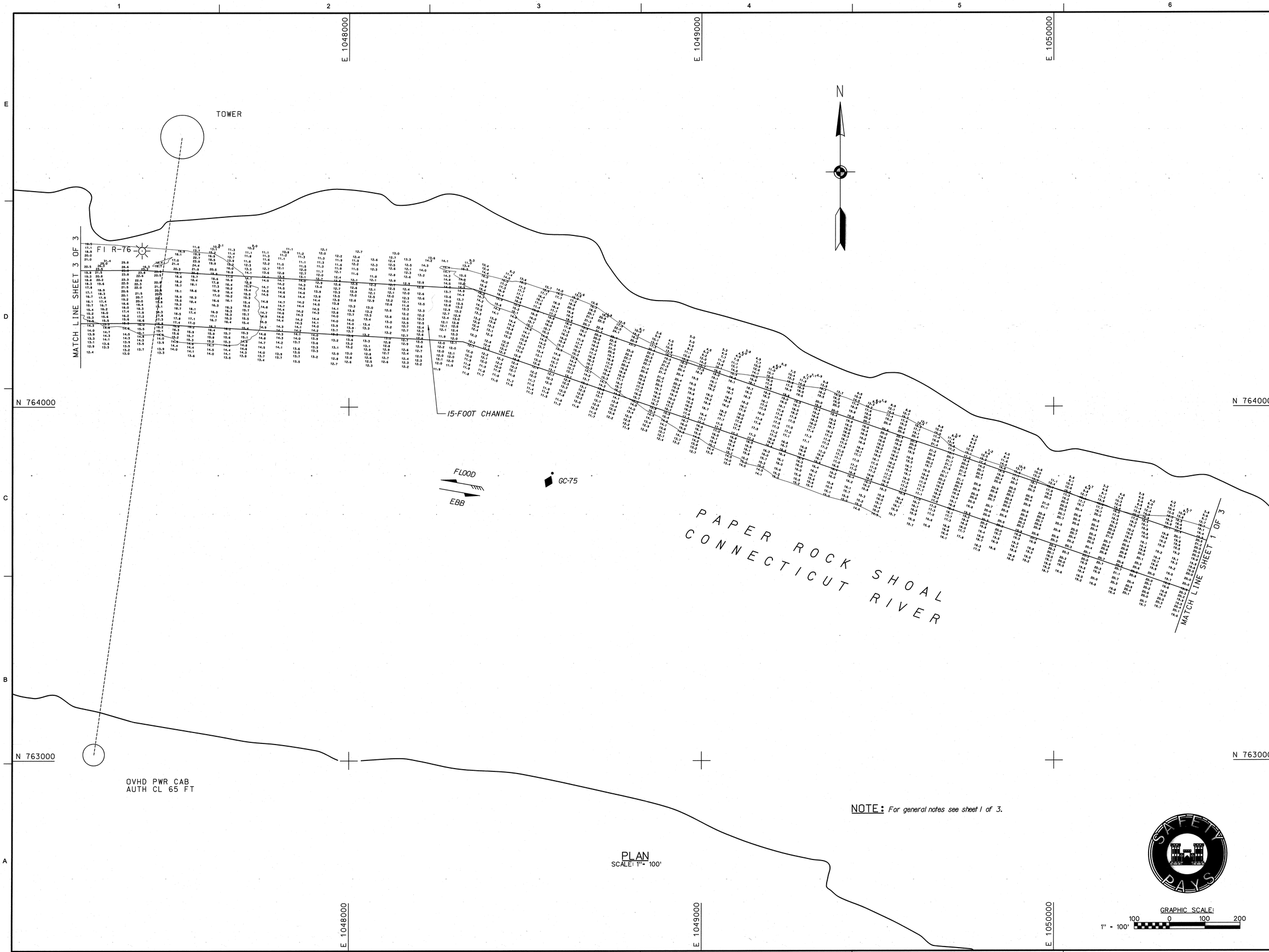
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

COBALT SHOAL AND PAPER ROCK SHOAL
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 3

SCANNED RECORD DEC. 2011



NOTE: For general notes see sheet 1 of 3.

PLAN
SCALE: 1" = 100'

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

US Army Corps of Engineers®
New England District

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MARK	DESCRIPTION	DATE	APPR

U.S. ARMY CORPS OF ENGINEERS
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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 12/12/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSPD.DGN
DRAWING CODE: CRB-1007
PLOT SCALE: 1" = 100'
PLOT DATE: 12/12/2011
FILE NAME: CRB1007V102.S02
SIZE: ANSI F

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
COBALT SHOAL AND PAPER ROCK SHOAL
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-102
SHEET 2 OF 3

SCANNED RECORD DEC. 2011

PLAN
SCALE: 1" = 100'

NOTE: For general notes see sheet 1 of 3.

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

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MARK	DESCRIPTION	DATE	APPR

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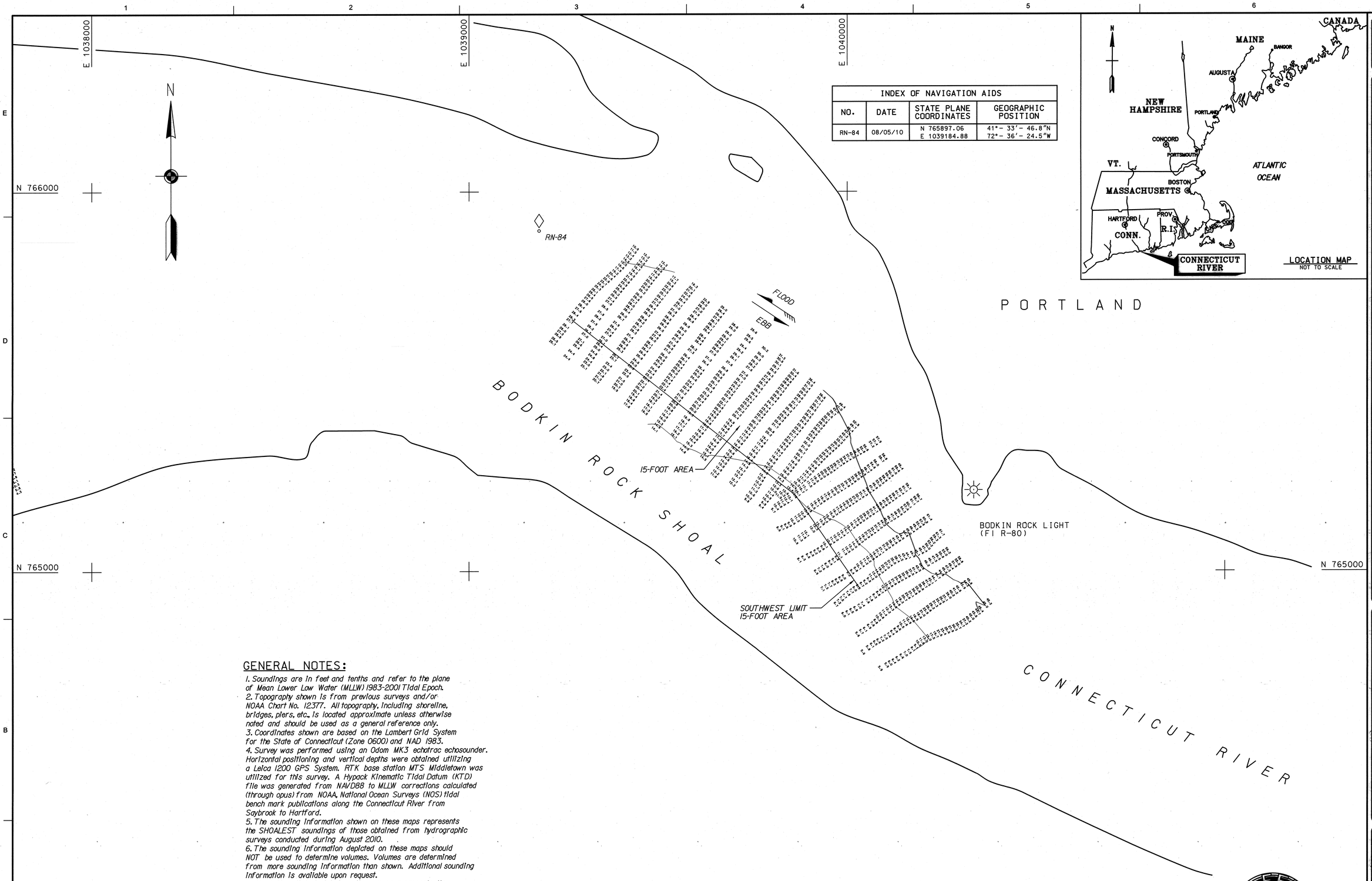
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE:
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-1007
PLOT SCALE: 1" = 100'
PLOT DATE: 12/09/2011
SIZE: ANSI F
FILE NAME: CRB1007V103.S03

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
COBALT SHOAL AND PAPER ROCK SHOAL
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-103
SHEET 3 OF 3

SCANNED RECORD DEC 2011



INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-84	08/05/10	N 765897.06 E 1039184.88	41°- 33′- 46.8″N 72°- 36′- 24.5″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. 12377. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during August 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501
   15-foot depth contour shown thus: ———
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1127/01

PLAN
SCALE: 1" = 100'

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

SAFETY PAYS

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

DATE: 12/12/11
DWN BY: HWM
CKD BY: LRM
DESIGN FILE: DBSHSPLDGN
DRAWING CODE: CRD-1008
PLOT DATE: 12/12/2011
PLOT SCALE: 1" = 100'
FILE NAME: CBS1009V101.501
SIZE: ANSI F

REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section

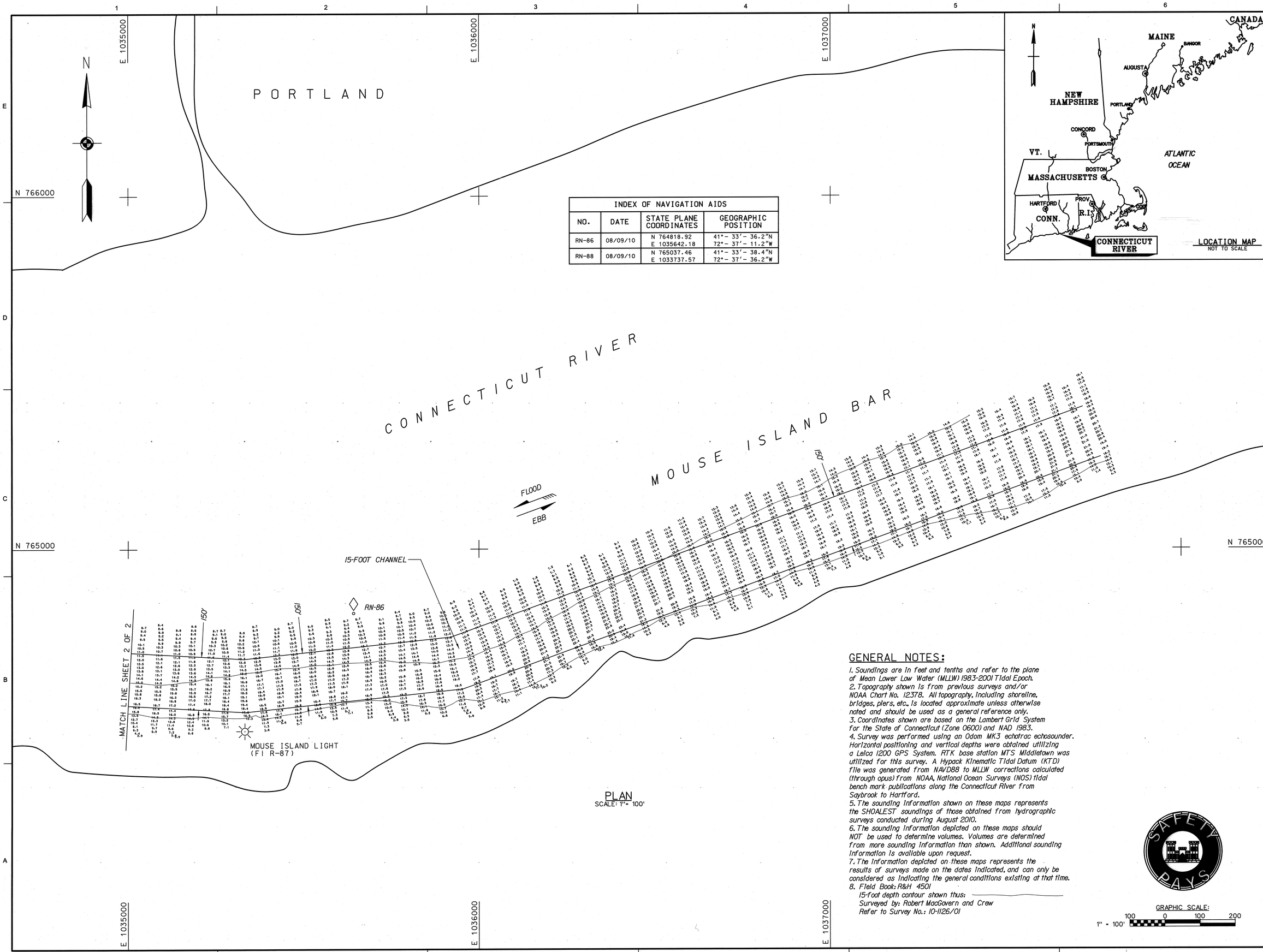
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

BODKIN ROCK SHOAL
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SCANNED RECORD DEC. 2011



INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-86	08/09/10	N 764818.92 E 1035642.18	41°- 33′- 36.2″N 72°- 37′- 11.2″W
RN-88	08/09/10	N 765037.46 E 1033737.57	41°- 33′- 38.4″N 72°- 37′- 36.2″W

PLAN
SCALE: 1" = 100'

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. 12378. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during August 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501
   15-foot depth contour shown thus: ————
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1126/01

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MARK	DESCRIPTION	DATE	APPR.

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CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

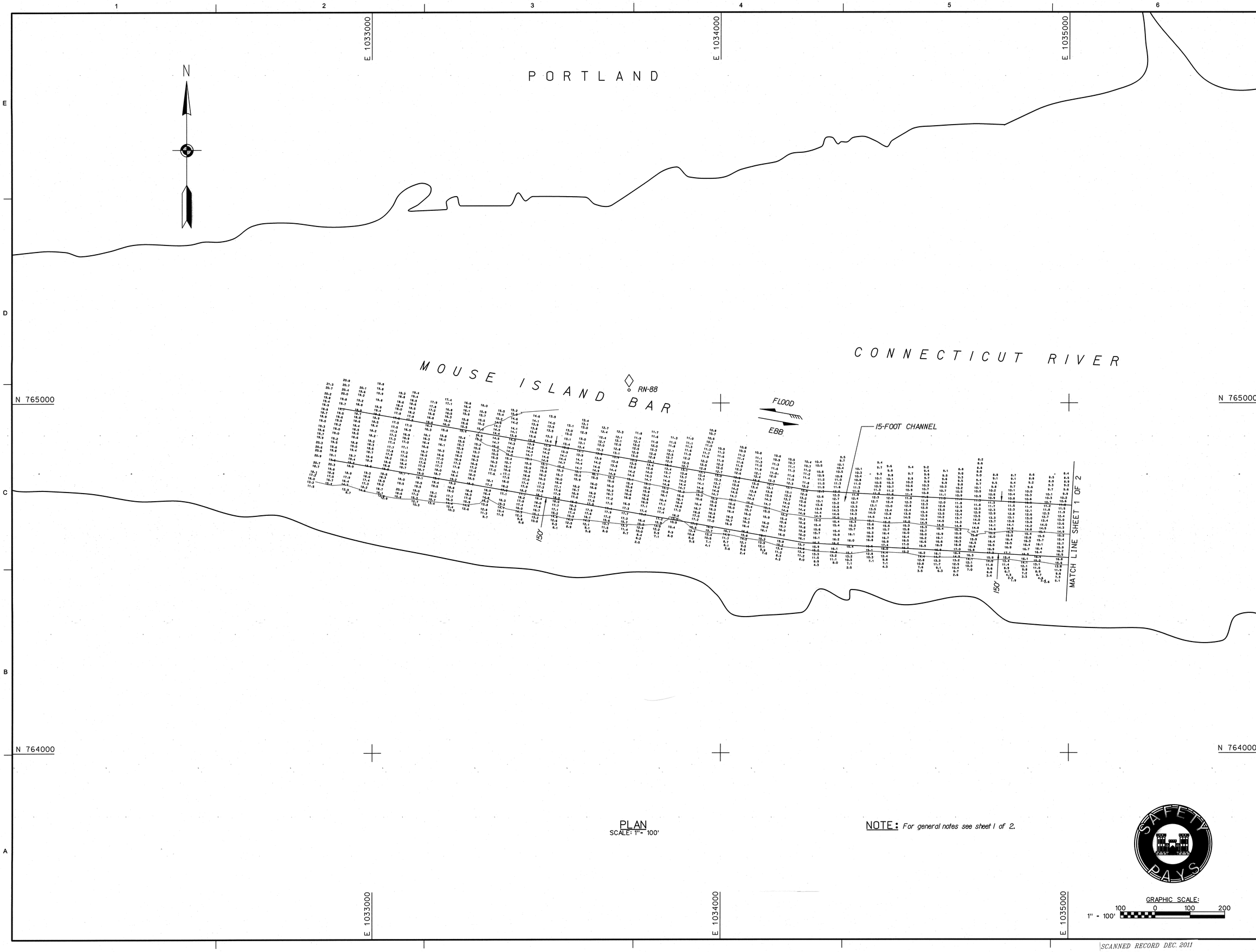
REVIEWED BY: Asst. Chief, Survey Section
DATE:
DWN BY: DWN
CKD BY: RDM
DESIGN FILE: CRBHSPS.DGN
PLOT SCALE: 1"=100'
PLOT DATE:
DRAWING CODE: CRB V002
FILE NAME: C:\SB\1009\101.501
SIZE: ANSI F

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

MOUSE ISLAND BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 2

SCANNED RECORD DEC. 2011



PLAN
SCALE: 1" = 100'

NOTE: For general notes see sheet 1 of 2.

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MARK	DESCRIPTION	DATE	APPR

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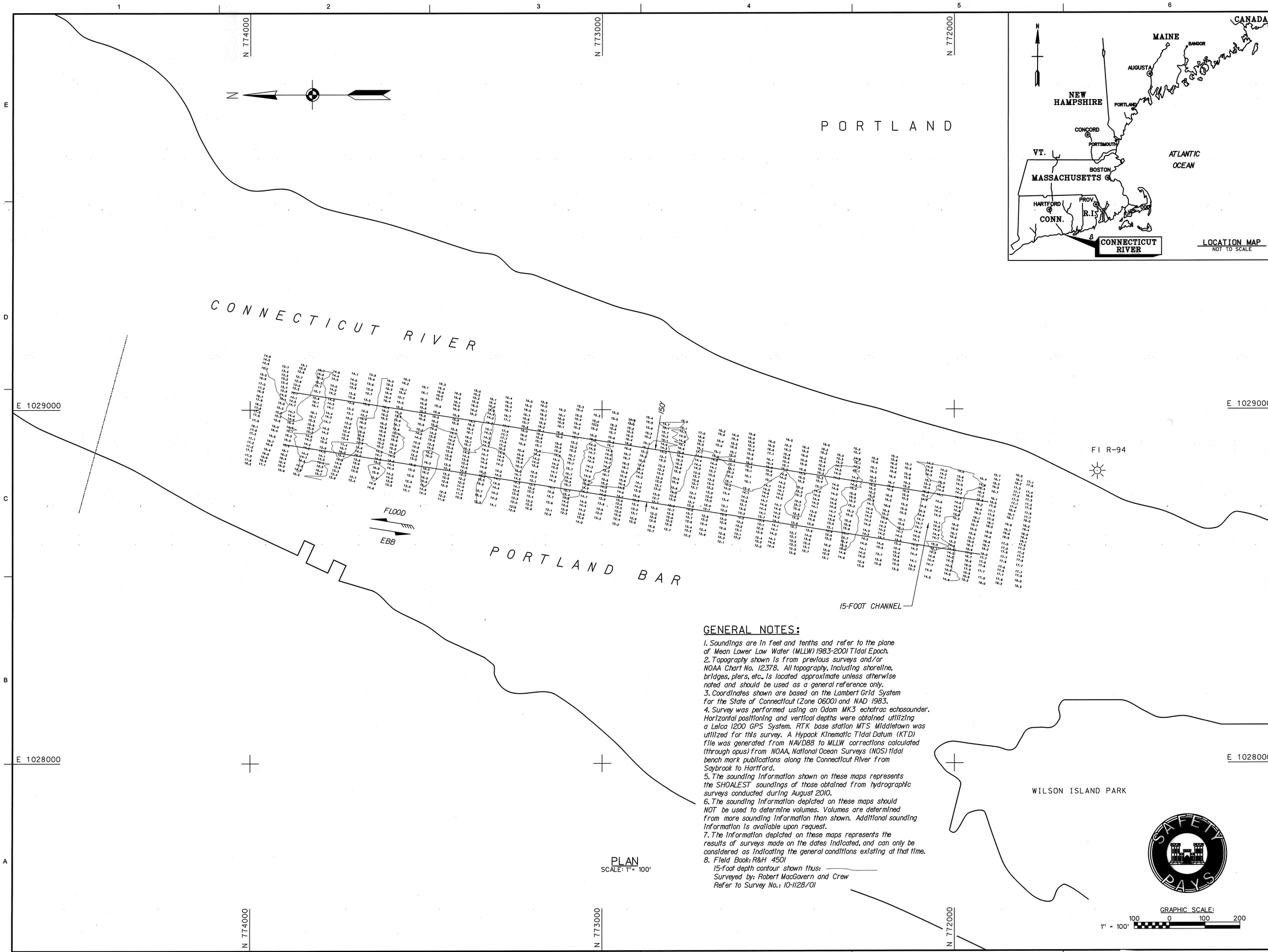
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 12/12/2011
SIZE: ANSI F
FILE NAME: CRB1009V102.S02
DATE: 12/12/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-1009

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

MOUSE ISLAND BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-102
SHEET 2 OF 2

SCANNED RECORD DEC. 2011



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. 12378. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during August 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501

15-foot depth contour shown thus: ———

Surveyed by: Robert MacGovern and Crew

Refer to Survey No.: 10-1128/01

PLAN
SCALE: 1" = 100'

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MARK	DESCRIPTION	DATE	APPR.

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NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
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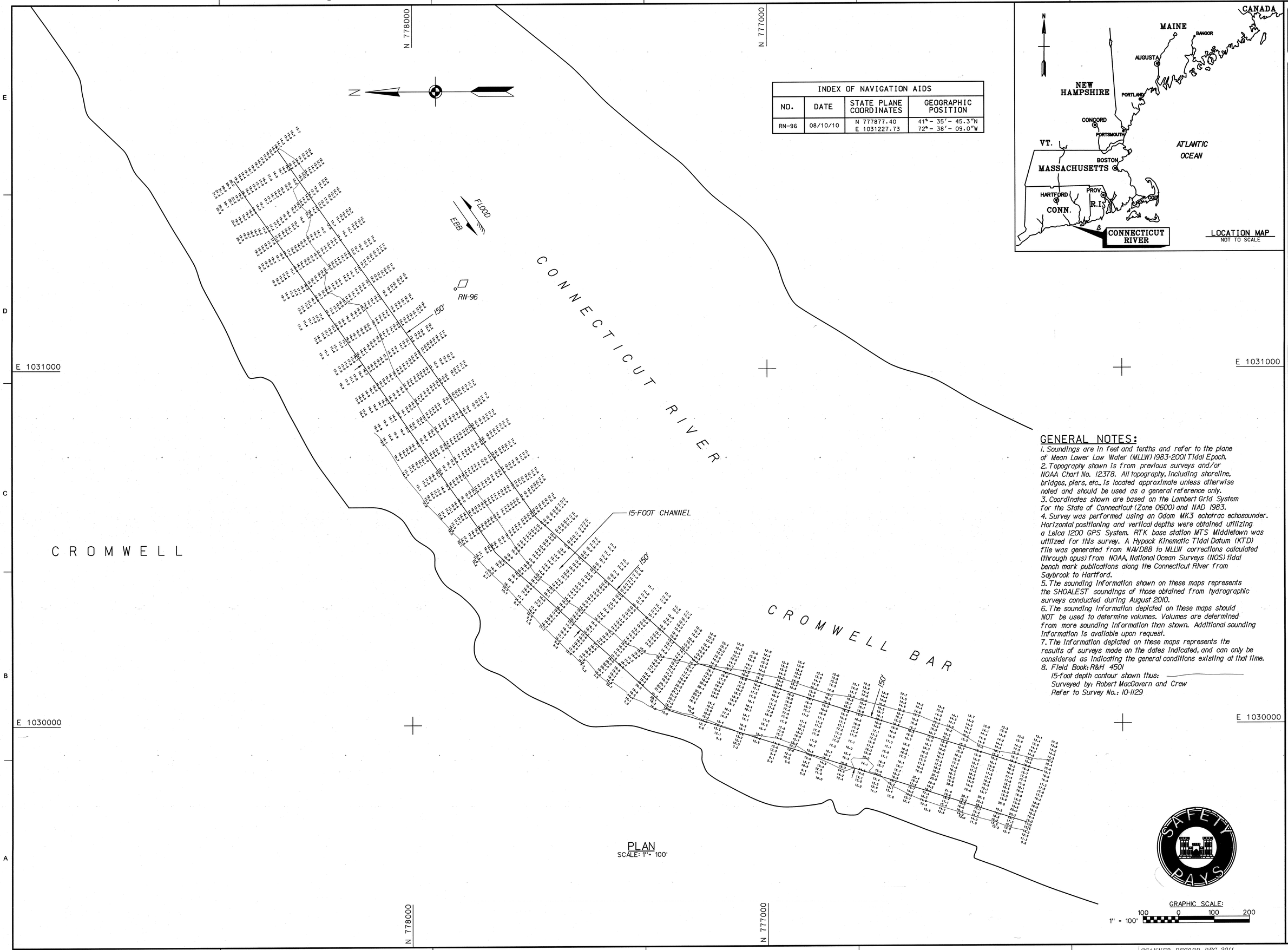
REVIEWED BY:
NED Chief, Survey Section
DATE:
DWN BY: WWB
CKD BY: WWB
DESIGN FILE: CRBHSPX.DGN
DRAWING CODE: HYDRO
PLOT SCALE: 1:1
PLOT DATE:
LEVEL: 1
LINEWT: 1
SIZE: ANSI F
FILE NAME: CRB1810V101.DGN

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

PORTLAND BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SCANNED RECORD DEC. 2011



PLAN
SCALE: 1"= 100'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-96	08/10/10	N 777877.40 E 1031227.73	41°- 35'- 45.3"N 72°- 38'- 09.0"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. 12378. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during August 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501

15-foot depth contour shown thus:
Surveyed by: Robert MacGovern and Crew
Refer to Survey No.: 10-1129

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MARK	DESCRIPTION	DATE	APPR.

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CONCORD, MASSACHUSETTS
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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 12/14/11
DWN BY: WRW
CKD BY: MTM
DESIGN FILE: DESIGN FILEN
PLOT SCALE: 1" = 100'
PLOT DATE: 12/14/2011
DRAWING CODE: CRB-1011
SIZE: ANSI E
FILE NAME: 25091010 V-101.501

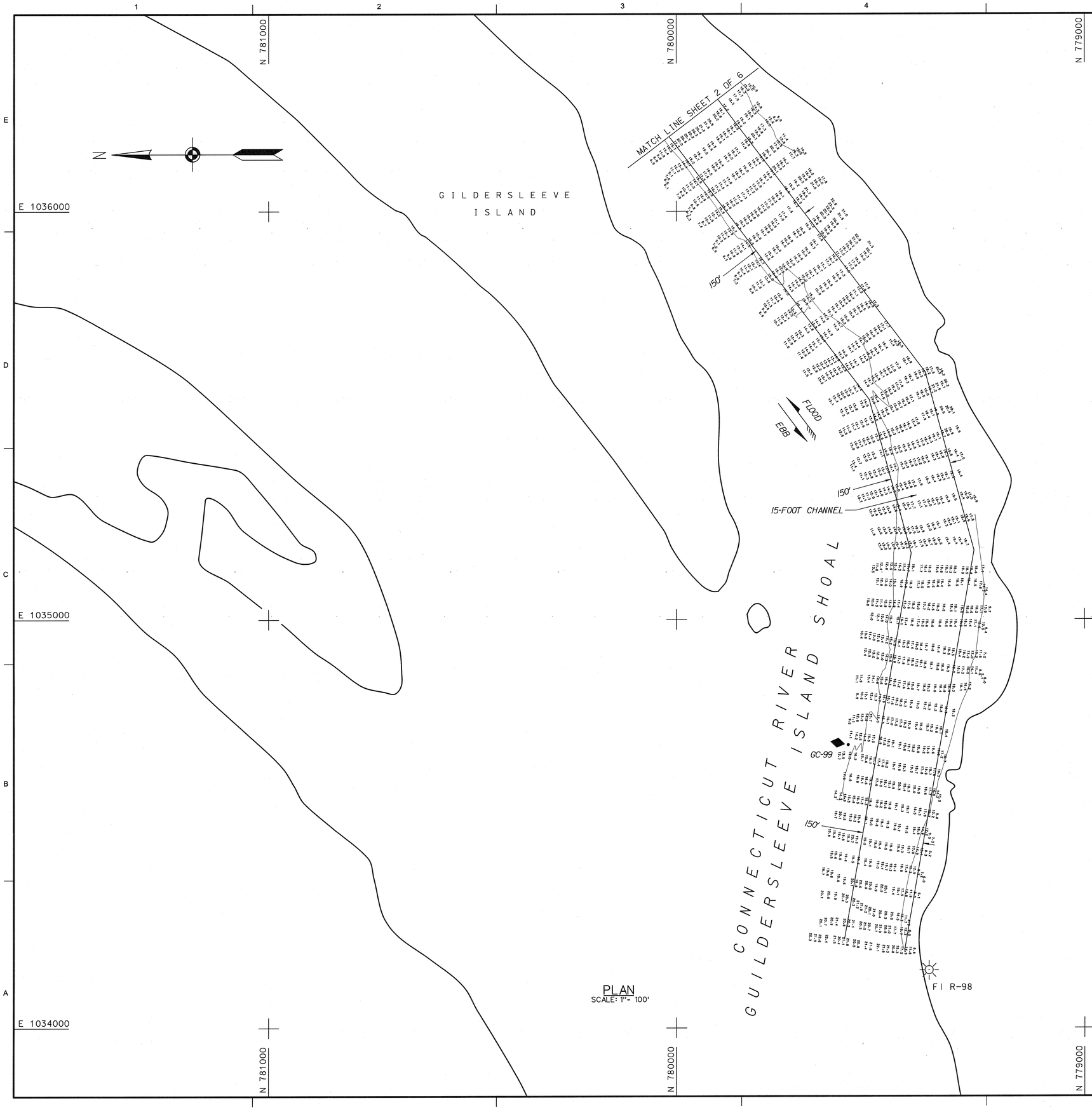
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

CROMWELL BAR
CONDITION SURVEY
15-FOOT CHANNEL

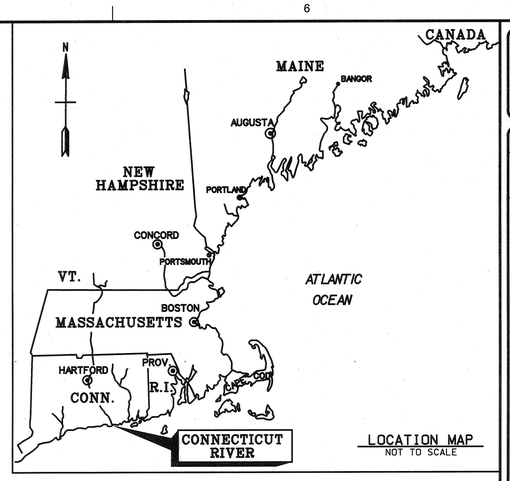
SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SAFETY PAYS

SCANNED RECORD DEC. 2011



PLAN
SCALE: 1" = 100'



LOCATION MAP
NOT TO SCALE

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-99	08/16/10	N 779579.11 E 1034693.02	41°- 36'- 02.0"N 72°- 37'- 23.4"W
RN-104	08/19/10	N 784942.72 E 1035915.51	41°- 36'- 55.0"N 72°- 37'- 07.2"W
RN-106	08/24/10	N 789402.16 E 1032715.84	41°- 37'- 39.1"N 72°- 37'- 47.5"W

GILDERSLEEVE

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. 12378. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during August 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501
   15-foot depth contour shown thus: ————
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1130, 10-1131, 10-1132

SAFETY PAYS

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

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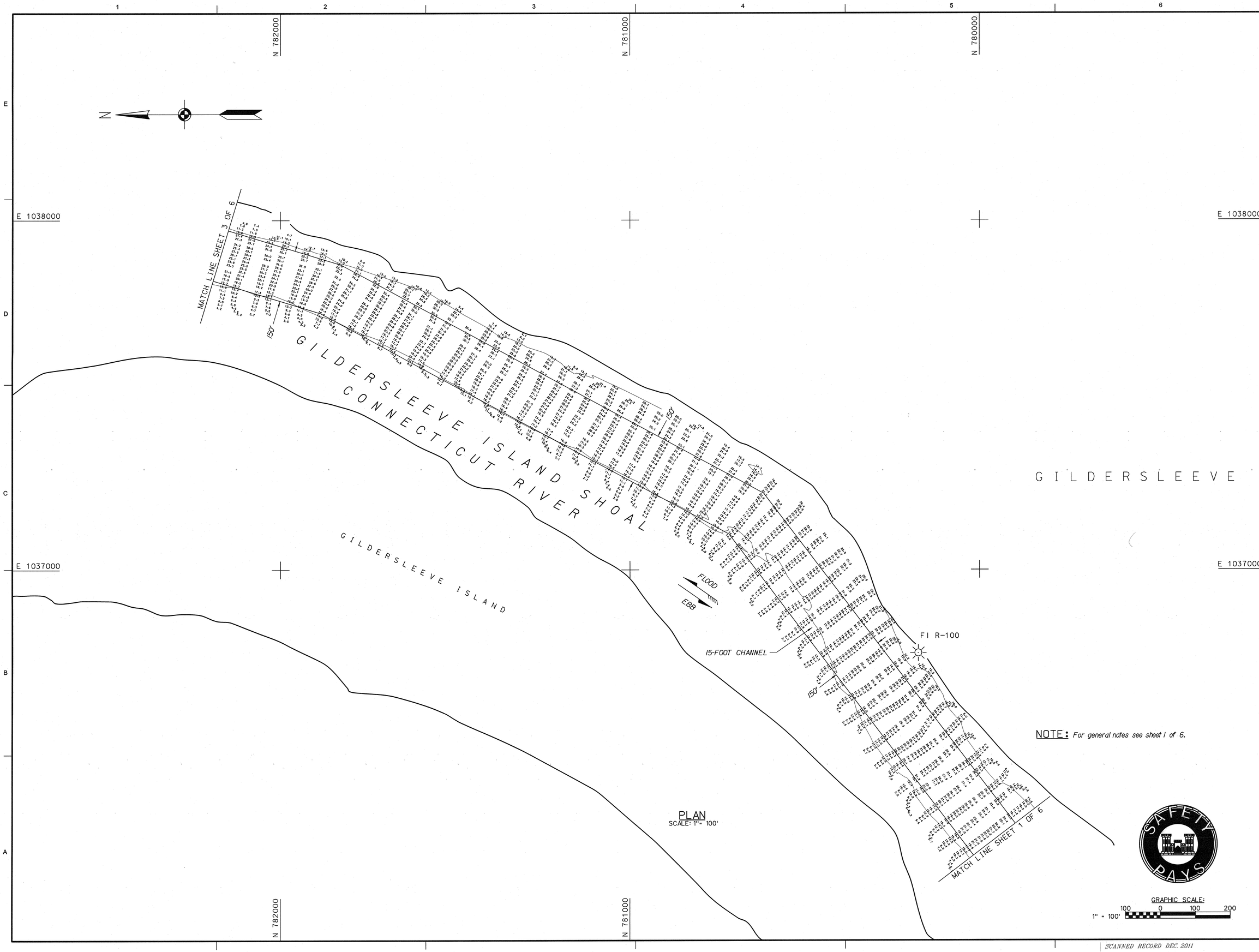
REVIEWED BY: Alan Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 12/16/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-1012
PLOT SCALE: 1" = 100'
PLOT DATE: 12/15/2011
SIZE: ANSI F
FILE NAME: CRB1012V101.S01

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
GILDERSLEEVE ISLAND SHOAL
PISTOL POINT BAR AND BROWNSTONE BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 6

SCANNED RECORD DEC. 2011



PLAN
SCALE: 1" = 100'

NOTE: For general notes see sheet 1 of 6.

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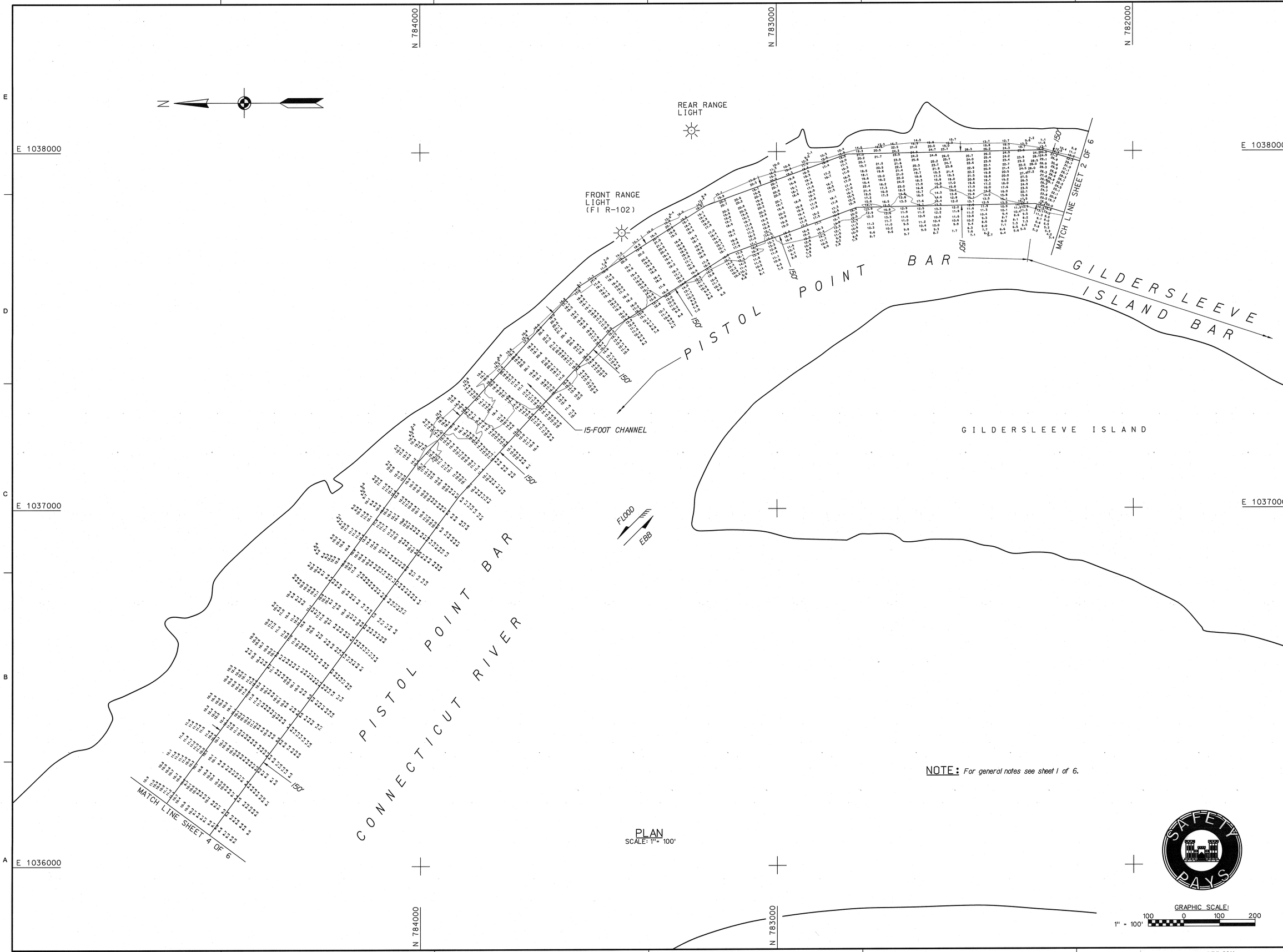
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 12/16/14
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRB1S03.DGN
DRAWING CODE: CRB-1012
PLOT SCALE: 1" = 100'
PLOT DATE: 12/15/2011
SIZE: ANSI F
FILE NAME: CRB1012V102.S02

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
GILDERSLEEVE ISLAND SHOAL
PISTOL POINT BAR AND BROWNSTONE BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-102
SHEET 2 OF 6

SCANNED RECORD DEC. 2011



NOTE: For general notes see sheet 1 of 6.

PLAN
SCALE: 1" = 100'

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

SAFETY PAYS

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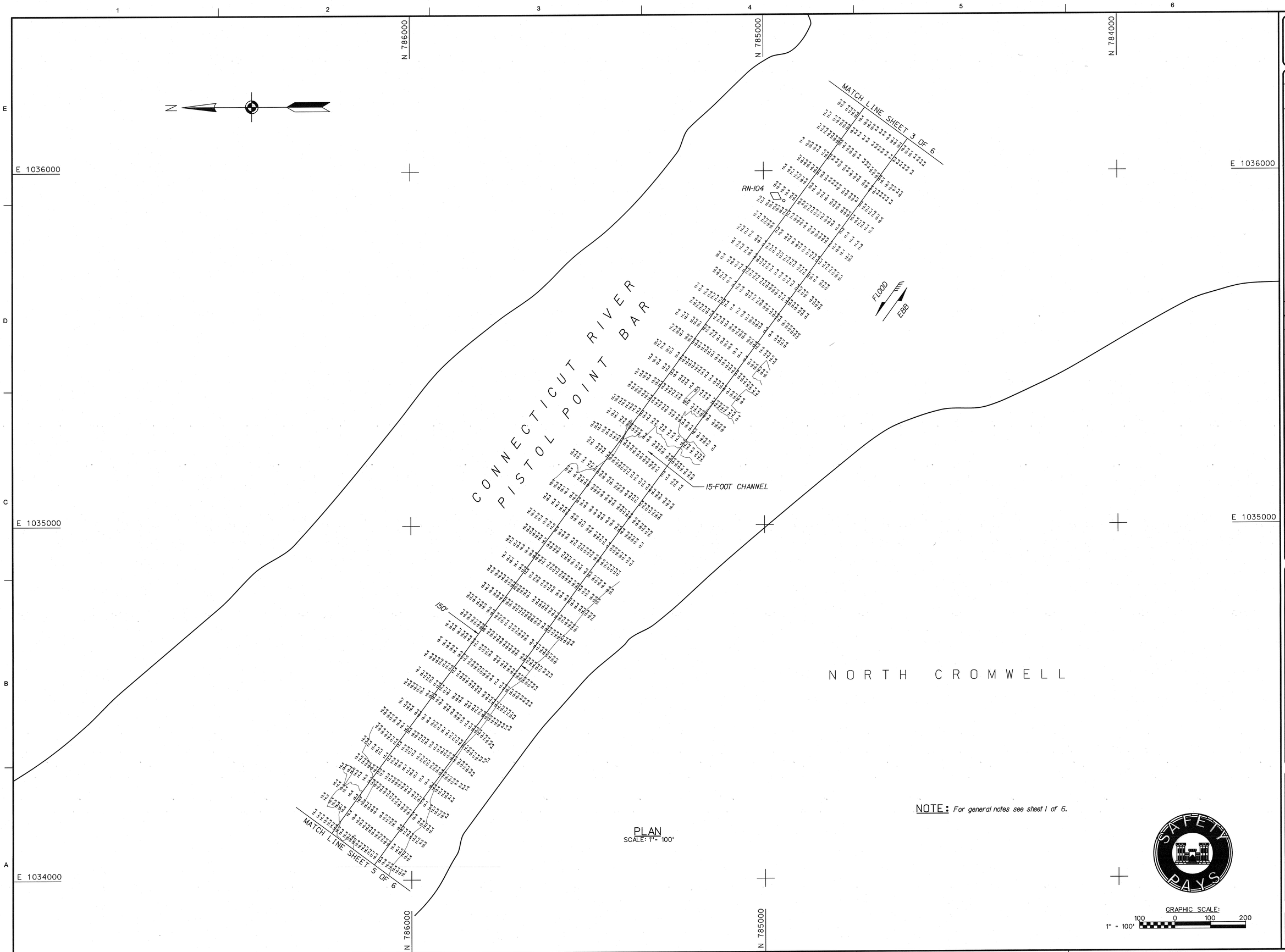
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 12/16/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-1012
PLOT SCALE: 1" = 100'
PLOT DATE: 12/15/2011
SIZE: ANSI F
FILE NAME: CRB1012V103.S03

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

GILDERSLEEVE ISLAND SHOAL
PISTOL POINT BAR AND BROWNSTONE BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-103
SHEET 3 OF 6

SCANNED RECORD DEC. 2011



PLAN
SCALE: 1"= 100'

NOTE: For general notes see sheet 1 of 6.

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

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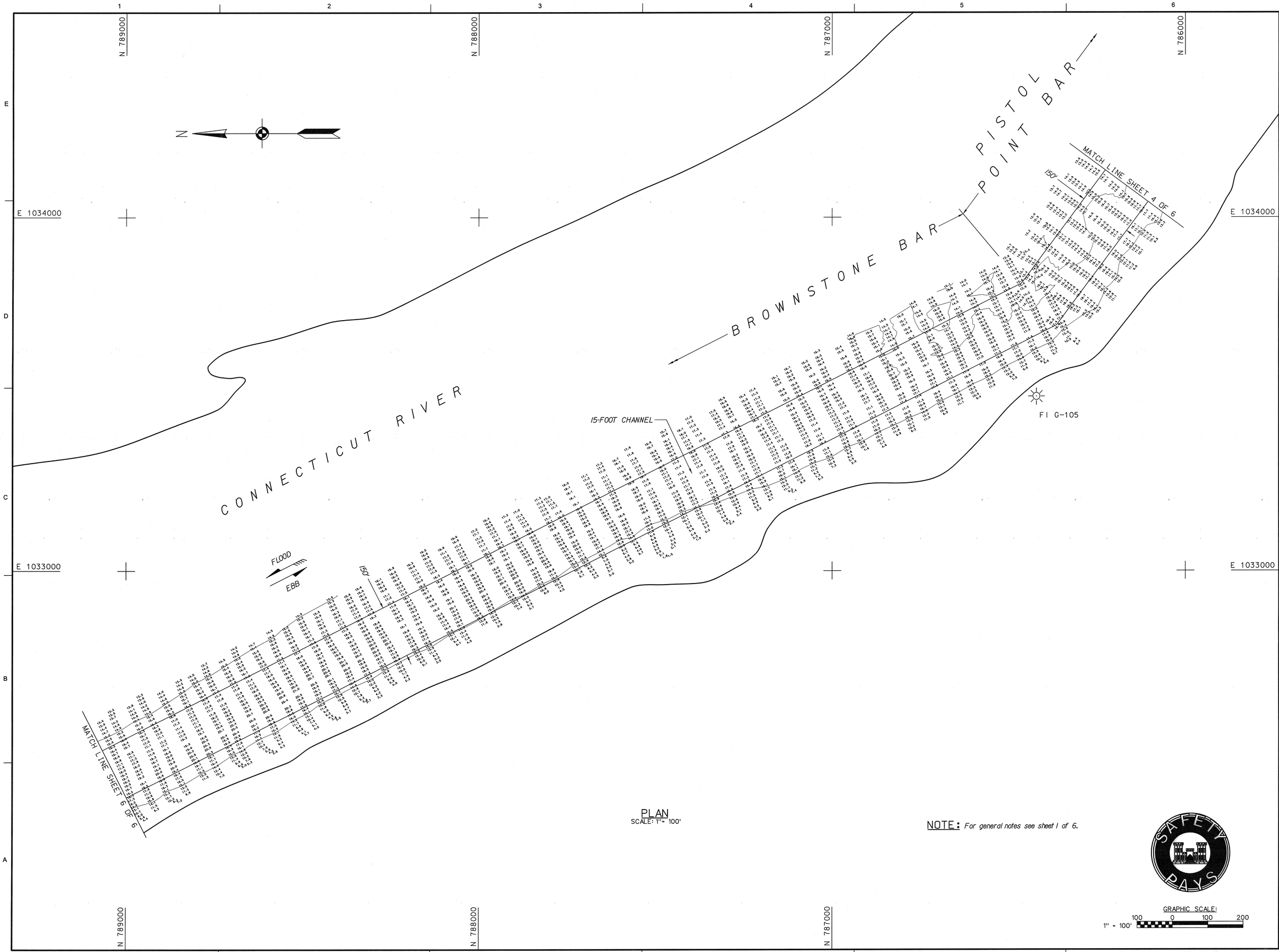
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 12/16/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 12/15/2011
DRAWING CODE: CRB-1012
SIZE: ANSI F
FILE NAME: CRB1012V104.S04

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
GILDERSLEEVE ISLAND SHOAL
PISTOL POINT BAR AND BROWNSTONE BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-104
SHEET 4 OF 6

SCANNED RECORD DEC. 2011



PLAN
SCALE: 1" = 100'

NOTE: For general notes see sheet 1 of 6.

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

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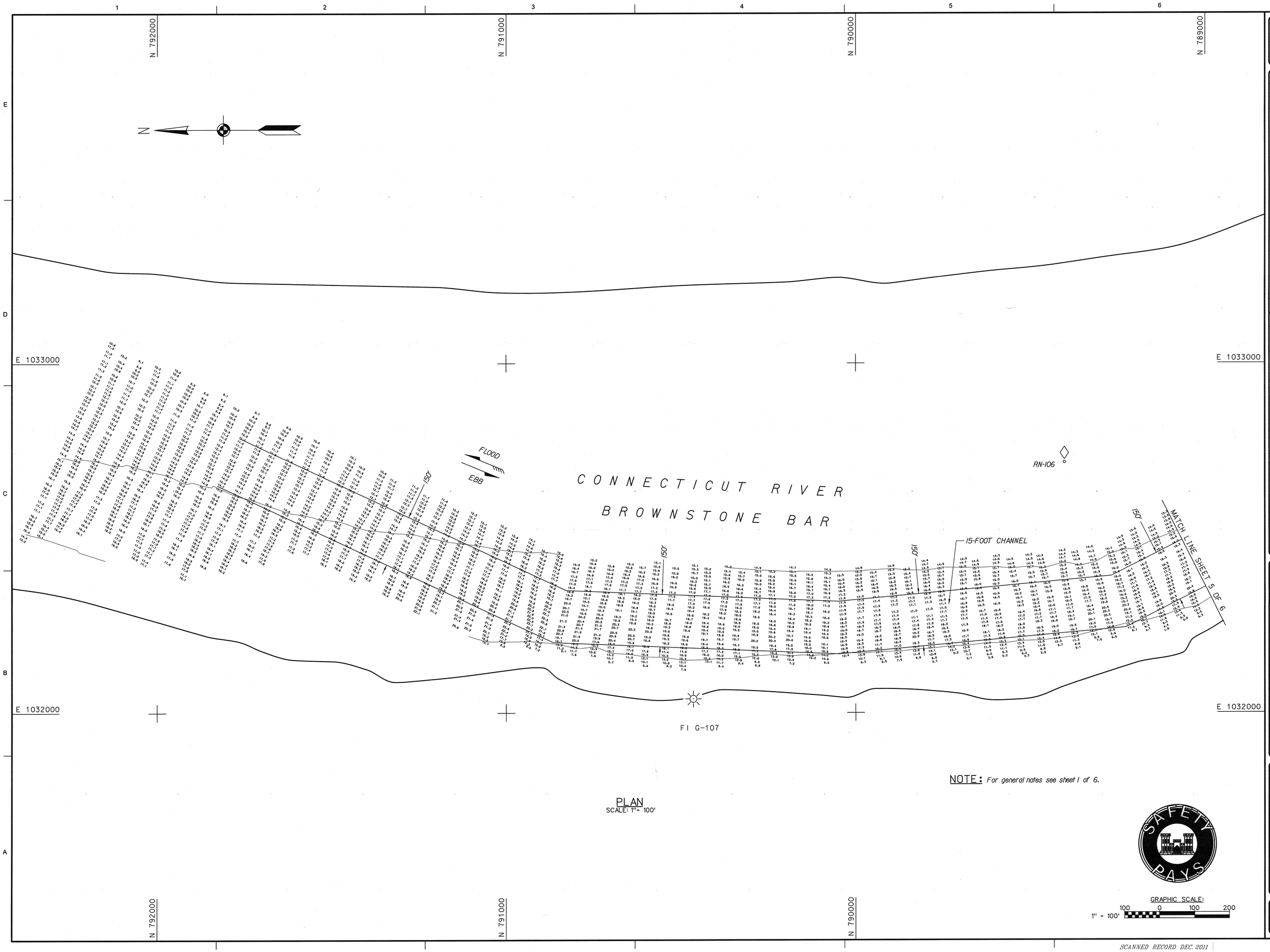
REVIEWED BY: Mark Mitchell, Asst. Chief, Survey Section
SUBMITTED BY: Mark Mitchell, Chief, Survey Section
DATE: 12/16/14
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-1012
PLOT SCALE: 1" = 100'
PLOT DATE: 12/15/2011
SIZE: ANSI F
FILE NAME: CRB1012V105.S05

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
GILDERSLEEVE ISLAND SHOAL
PISTOL POINT BAR AND BROWNSTONE BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-105
SHEET 5 OF 6

SCANNED RECORD DEC. 2011



NOTE: For general notes see sheet 1 of 6.

PLAN
SCALE: 1" = 100'

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

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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 12/16/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-1012
PLOT SCALE: 1" = 100'
PLOT DATE: 12/15/2011
SIZE: ANSI F
FILE NAME: CRB1012V106.S06

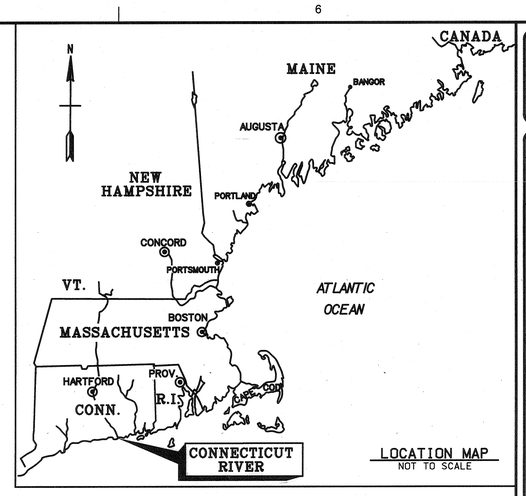
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
GILDERSLEEVE ISLAND SHOAL
PISTOL POINT BAR AND BROWNSTONE BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-106
SHEET 6 OF 6

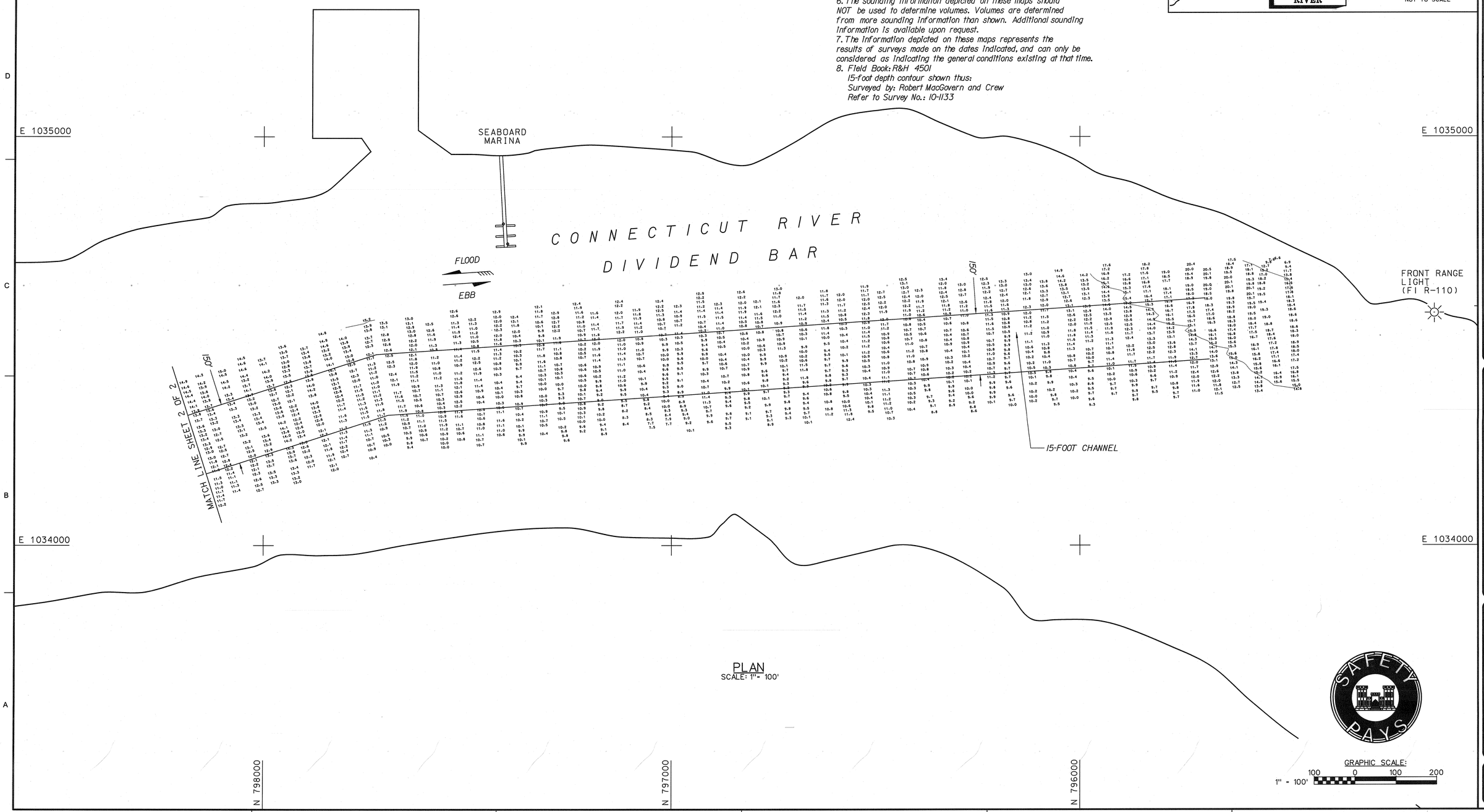
SCANNED RECORD DEC. 2011

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. 12378. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during August 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501
   15-foot depth contour shown thus:
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1133



LOCATION MAP
NOT TO SCALE



PLAN
SCALE: 1" = 100'

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

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MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
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www.nae.usace.army.mil

REVIEWED BY: Project Surveyor
SUBMITTED BY: Chief, Survey-Mapping
DATE: 12/14/2011
DWN: MTM
CKD: MTM
DESIGN FILE: CRBHSPS.DGN
DRAWING CODE: CRB1101S
PLOT SCALE: 1" = 100'
PLOT DATE: 12/14/2011
SIZE: ANSI F
FILE NAME: CRB1013V101.501

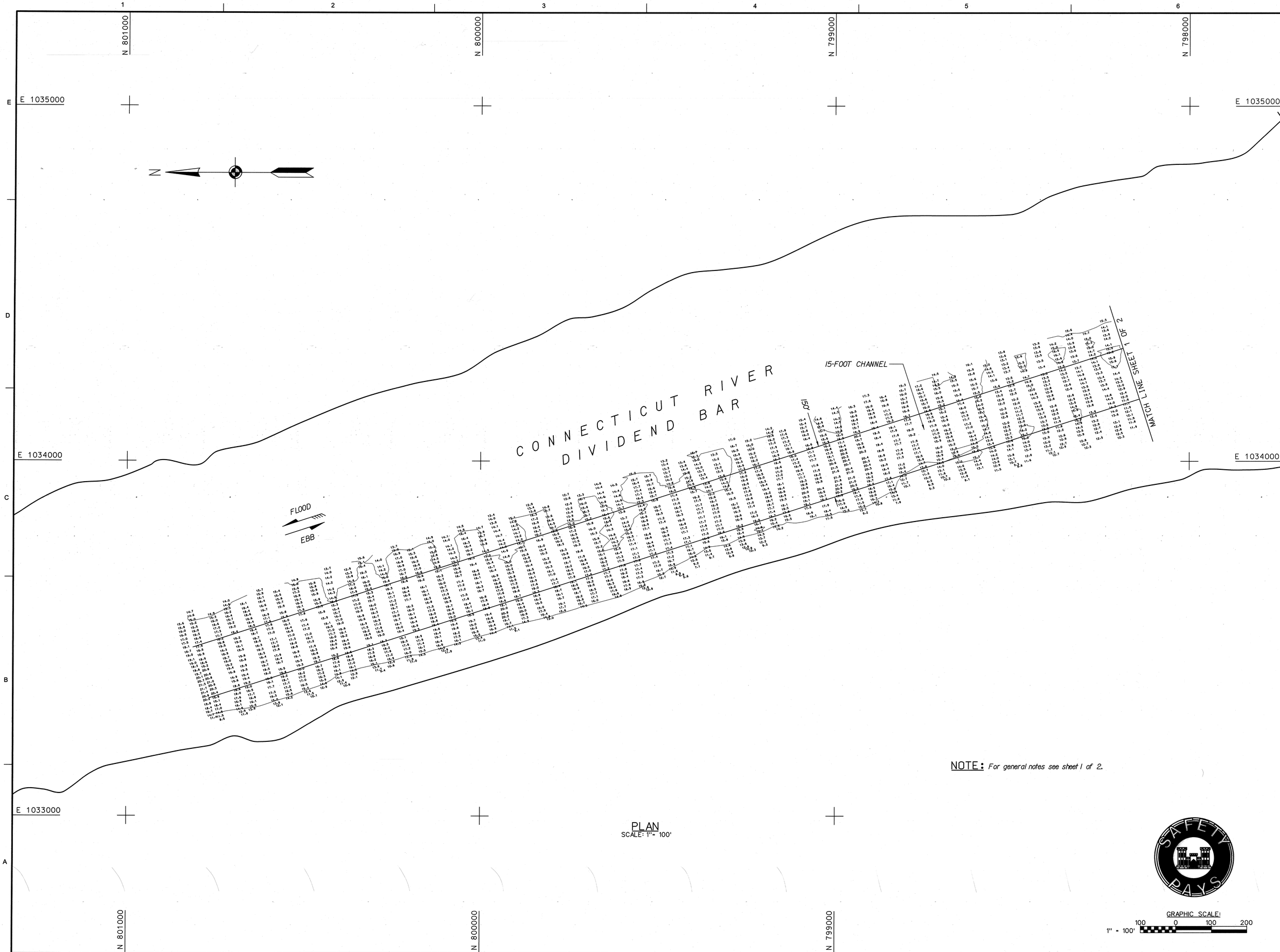
CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

DIVIDEND BAR
CONTOUR SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 2

SAFETY PAYS

SCANNED RECORD DEC. 2011



NOTE: For general notes see sheet 1 of 2.

PLAN
SCALE: 1" = 100'

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

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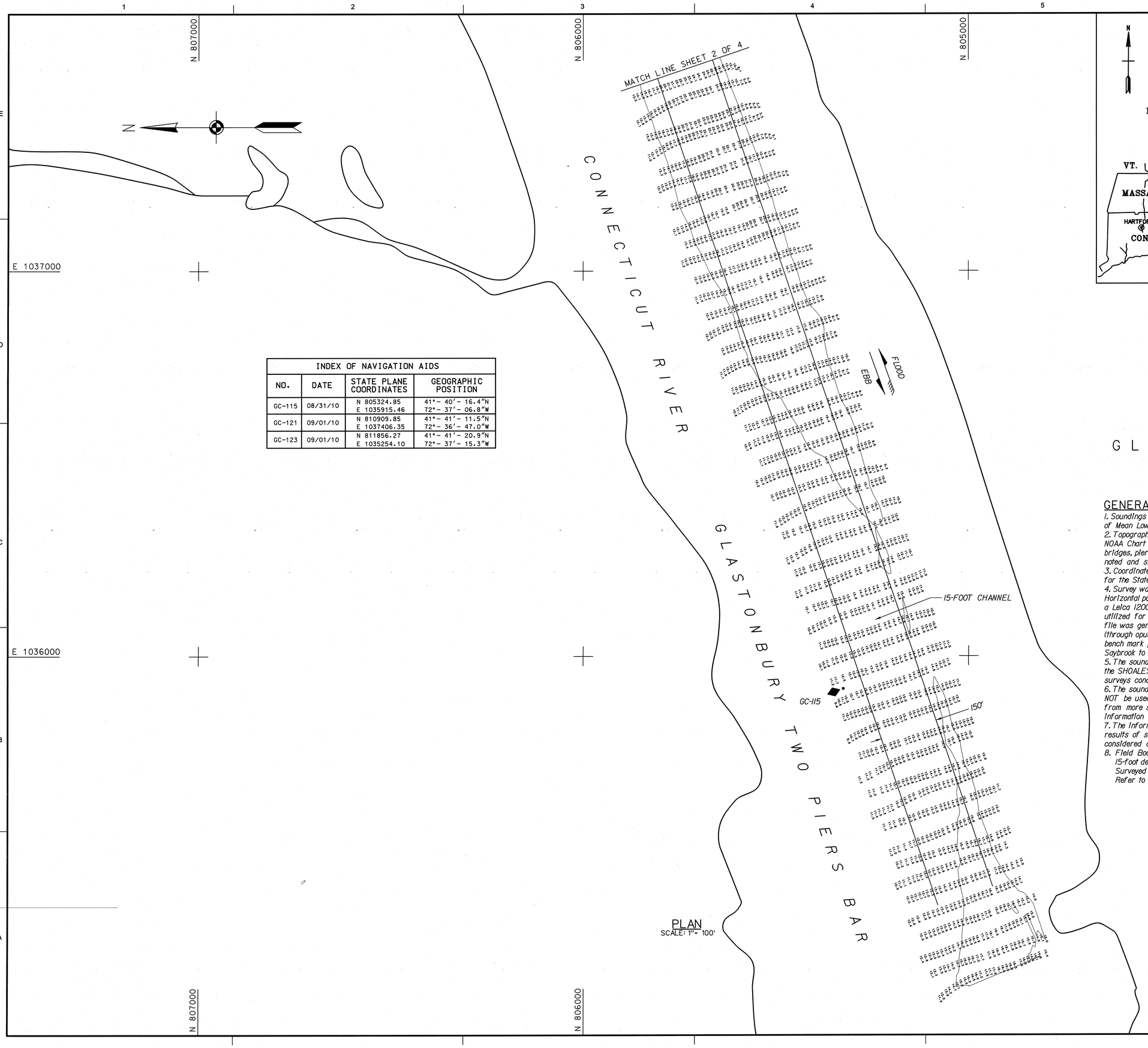
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 12/14/2011
SIZE: ANSI F
FILE NAME: CRB1013V102.S02
DATE: 12/14/2011
DWN BY: MTM
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-1013

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

DIVIDEND BAR
CONDITION SURVEY
15-FOOT CHANNEL

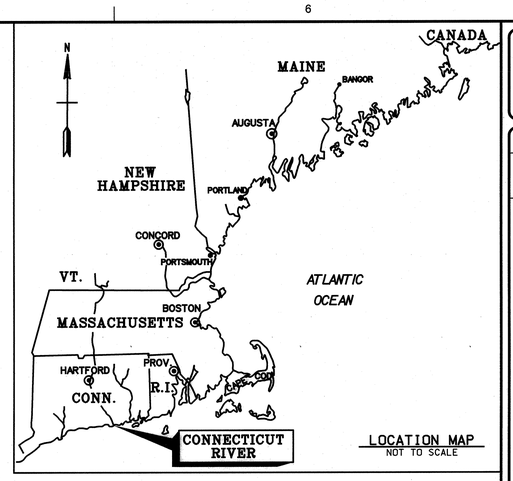
SHEET IDENTIFICATION
V-102
SHEET 2 OF 2

SCANNED RECORD DEC. 2011



PLAN
SCALE: 1"= 100'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-115	08/31/10	N 805324.85 E 1035915.46	41°- 40′- 16.4″N 72°- 37′- 06.8″W
GC-121	09/01/10	N 810909.85 E 1037406.35	41°- 41′- 11.5″N 72°- 36′- 47.0″W
GC-123	09/01/10	N 811856.27 E 1035254.10	41°- 41′- 20.9″N 72°- 37′- 15.3″W



LOCATION MAP
NOT TO SCALE

SOUTH GLASTONBURY

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. 12378. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during August and September 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501
   15-foot depth contour shown thus:
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1134, and 10-1135

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

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REVIEWED BY: Robert T. Dewey, Survey Section
SUBMITTED BY: Michael T. Rizzo, Chief Survey Section
DATE: 12/16/10
DRAWN BY: WWK
VERIFIED BY:
DESIGN FILE: CRBISHPS.DGN
DRAWING CODE: CRB1014
PLOT SCALE: 1" = 100'
PLOT DATE: 12/16/2011
SIZE: ANSI F
FILE NAME: CRB1014V101.001

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

GLASTONBURY TWO PIERS BAR
AND GLASTONBURY PIERS BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 4

SAFETY PAYS

SCANNED RECORD DEC. 2011

NOTE: For general notes see sheet 1 of 4.

PLAN
SCALE: 1" = 100'

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

SAFETY PAYS

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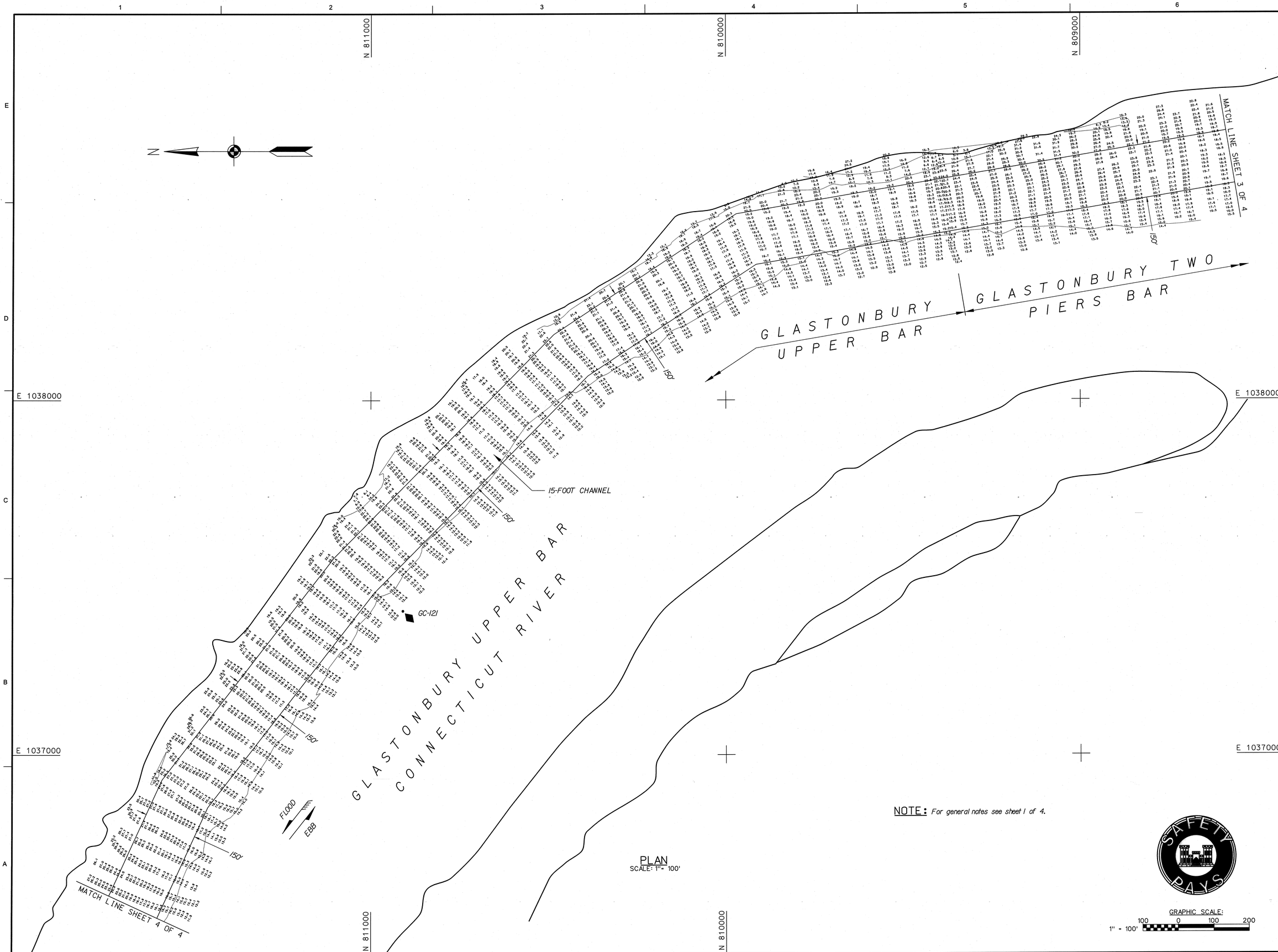
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 12/16/2011
SIZE: ANSI F
FILE NAME: CRB1014V102.S02
DATE: 12/16/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRB1SP3.DGN
DRAWING CODE: CRB-1014

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

GLASTONBURY TWO PIERS BAR
AND GLASTONBURY UPPER BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-102
SHEET 2 OF 4

SCANNED RECORD DEC. 2011



NOTE: For general notes see sheet 1 of 4.

PLAN
SCALE: 1" = 100'

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

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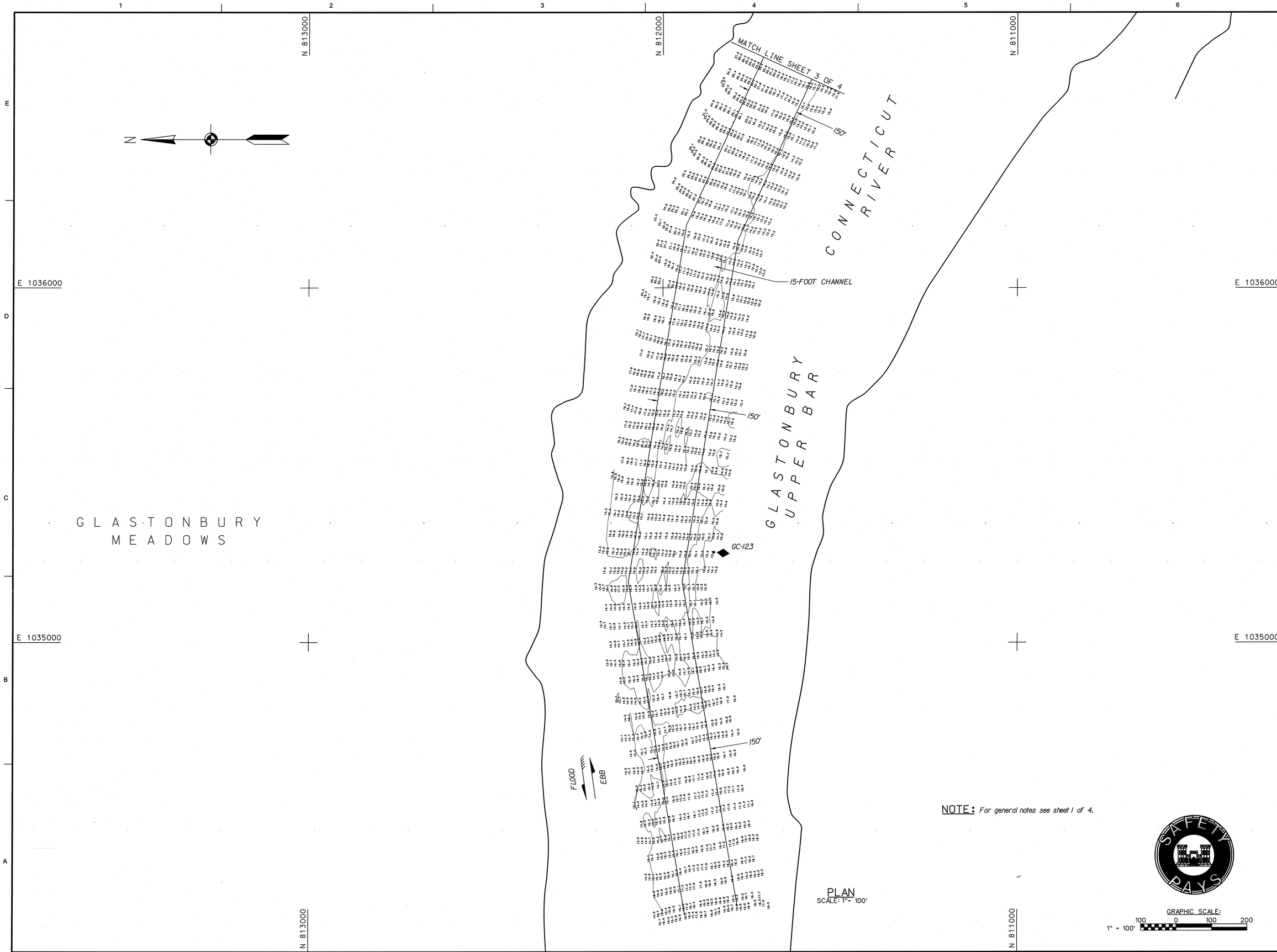
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 12/16/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 12/16/2011
DRAWING CODE: CRB-1014
SIZE: ANSI F
FILE NAME: CRB1014V103.S03

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

GLASTONBURY TWO PIERS BAR
AND GLASTONBURY UPPER BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-103
SHEET 3 OF 4

SCANNED RECORD DEC. 2011



NOTE: For general notes see sheet 1 of 4.

PLAN
SCALE: 1" = 100'

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

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MARK	DESCRIPTION	DATE	APPR

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CONCORD, MASSACHUSETTS
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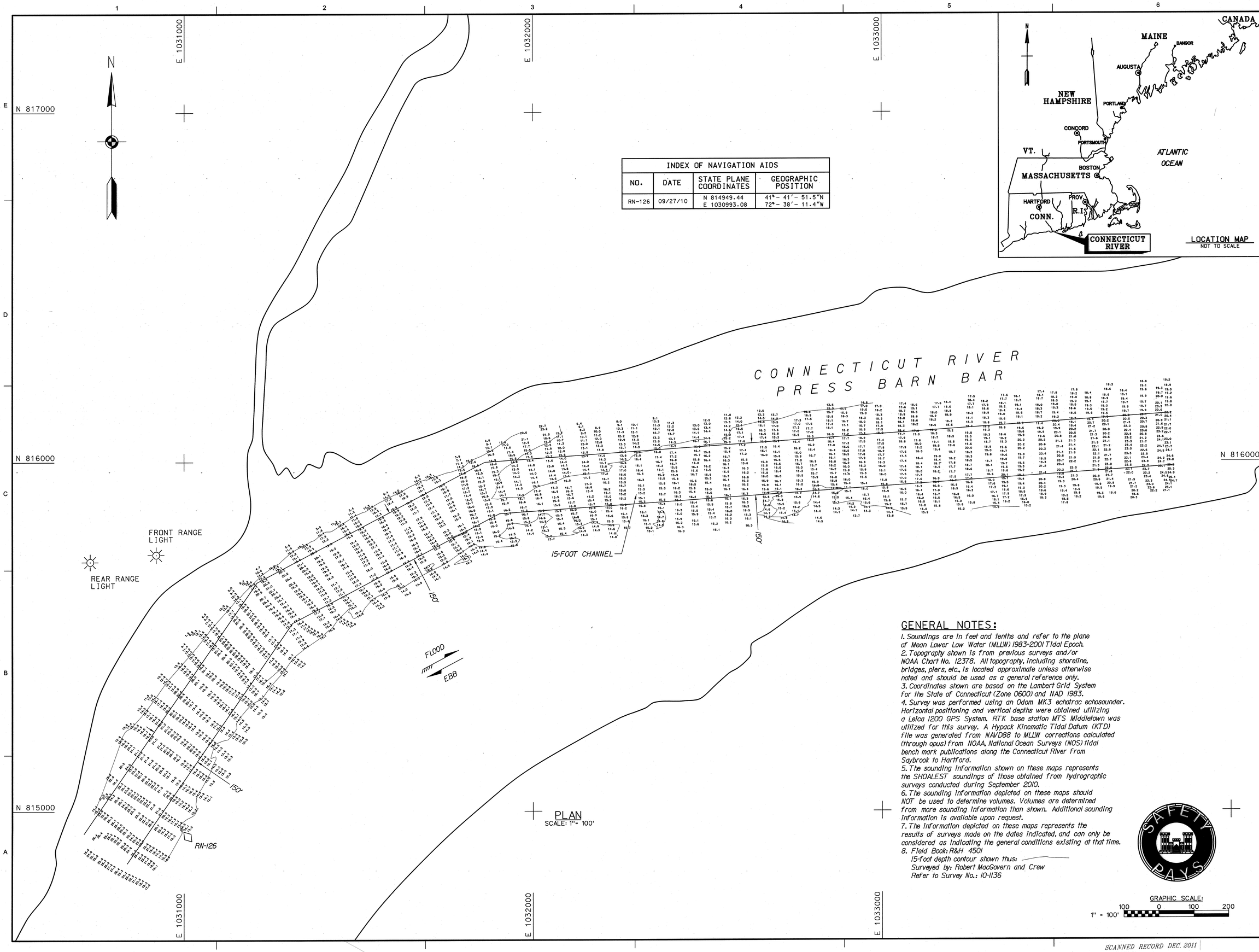
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 12/16/2011
SIZE: ANSI F
FILE NAME: CRB1014V104.S04
DATE: 12/16/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-1014

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

GLASTONBURY TWO PIERS BAR
AND GLASTONBURY UPPER BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-104
SHEET 4 OF 4

SCANNED RECORD DEC 2011



INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-126	09/27/10	N 814949.44 E 1030993.08	41°- 41'- 51.5"N 72°- 38'- 11.4"W

PLAN
SCALE: 1"= 100'

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. 12378. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during September 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501
   15-foot depth contour shown thus: ———
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1136

SAFETY PAYS

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

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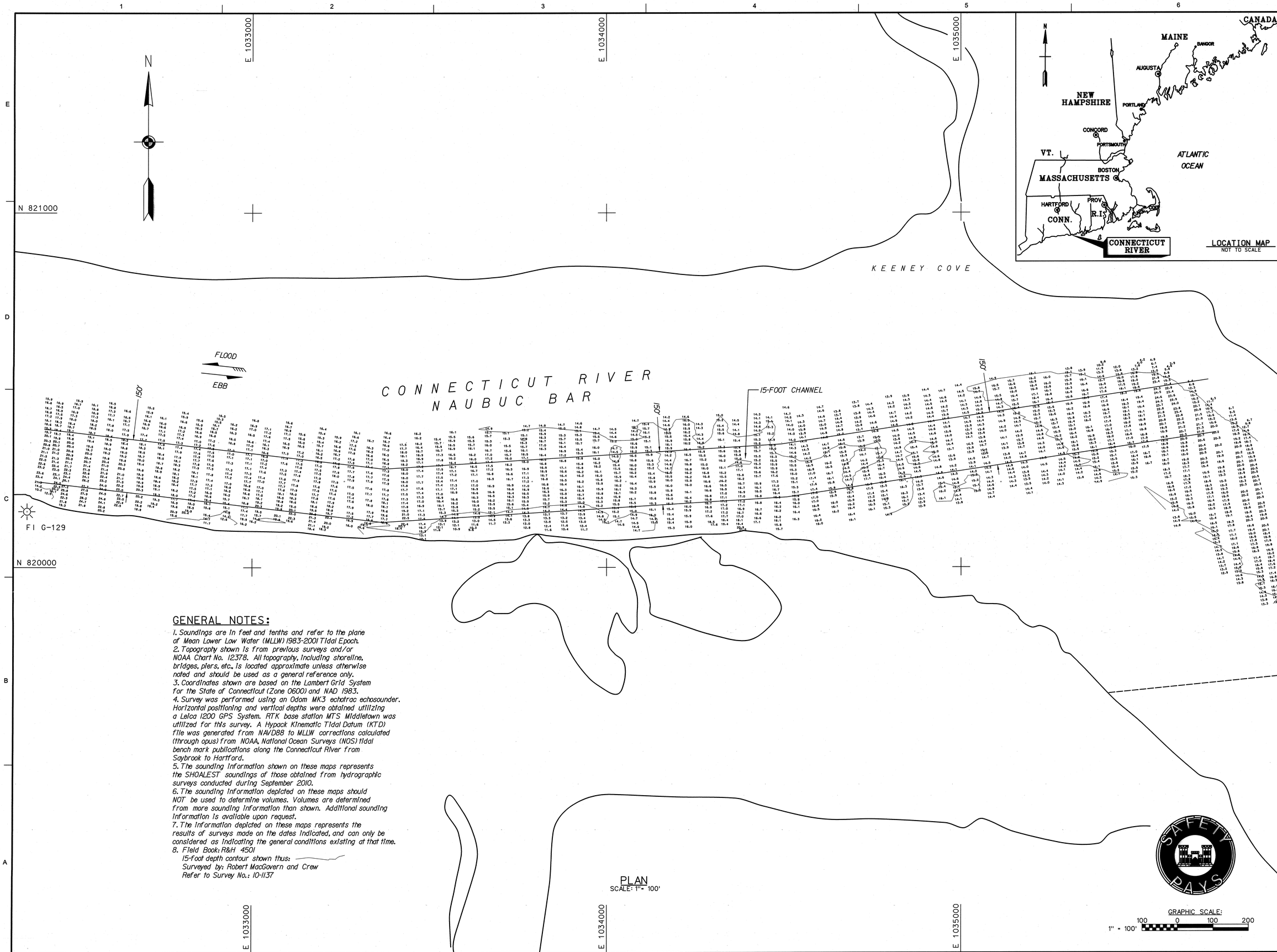
DATE: 12/16/10
REVIEWED BY: Field Coast Survey Section
DWN BY: WHW
CKD BY: MTM
SUBMITTED BY: Chief, Coast Survey Section
DESIGN FILE: 0000101010.dgn
DRAWING NO.: 0000101010-001
PLOT SCALE: 1" = 100'
PLOT DATE: 12/16/2011
DRAWING CODE: CRB-1015
SIZE: ANSI E
FILE NAME: 0000101010-001

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

PRESS BARN BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SCANNED RECORD DEC. 2011



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. 12378. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during September 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501
   15-foot depth contour shown thus:
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1137

PLAN
SCALE: 1" = 100'

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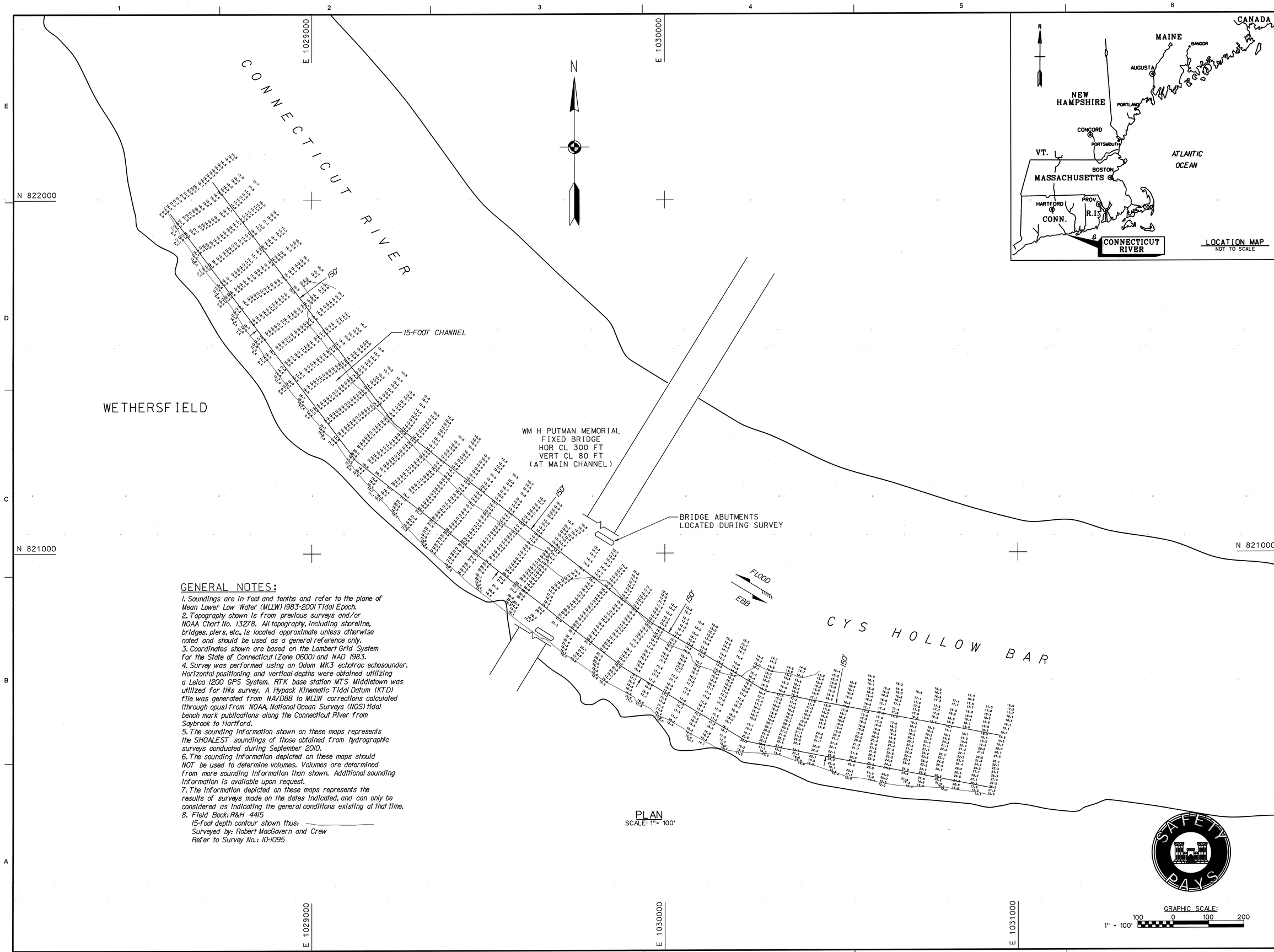
REVIEWED BY: Nathan T. Murray, Asst. Chief, Survey Section
DATE: 12/16/11
SUBMITTED BY: Nathan T. Murray, Chief, Survey Section
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 12/16/2011
DRAWING CODE: CRB-1016
SIZE: ANSI F
FILE NAME: CRB1016V101.S01

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

NAUBUC BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1



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. 13278. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during September 2010.
6. 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.
7. 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.
8. Field Book: R&H 4415
   15-foot depth contour shown thus: ———
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1095

PLAN
SCALE: 1" = 100'

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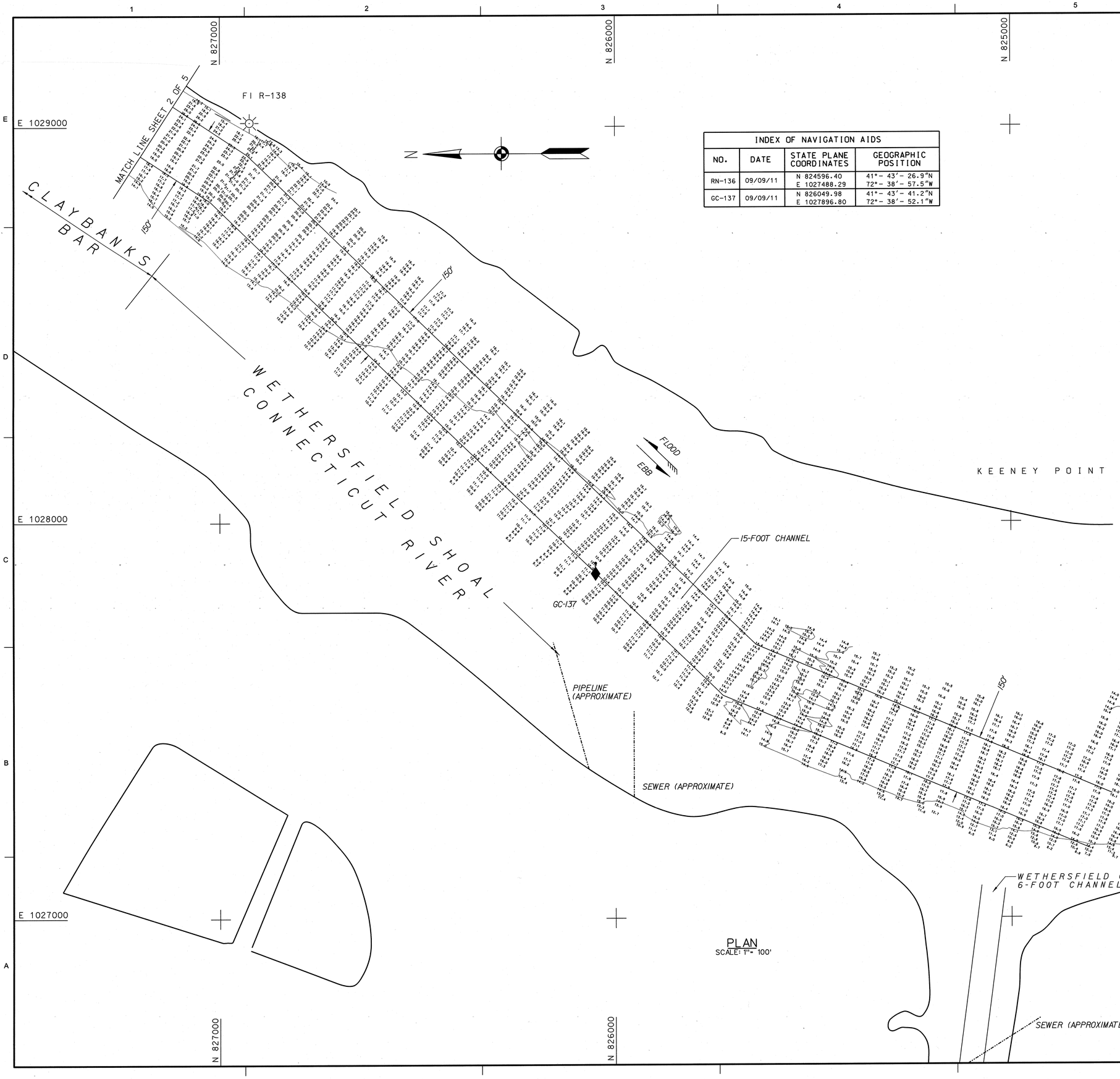
REVIEWED BY: Alan Lawson
SUBMITTED BY: Michael T. Mulvey
PLOT SCALE: 1" = 100'
PLOT DATE: 12/15/2011
SIZE: ANSI E
DATE: 12/14/11
DWN BY: WWW
CKD BY: MTM
DESIGN FILE: CRB-1037.dgn
DRAWING CODE: CRB-1037
FILE NAME: C:\SURVEY\V101.001

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

CYS HOLLOW BAR
CONDITION SURVEY
15-FOOT CHANNEL

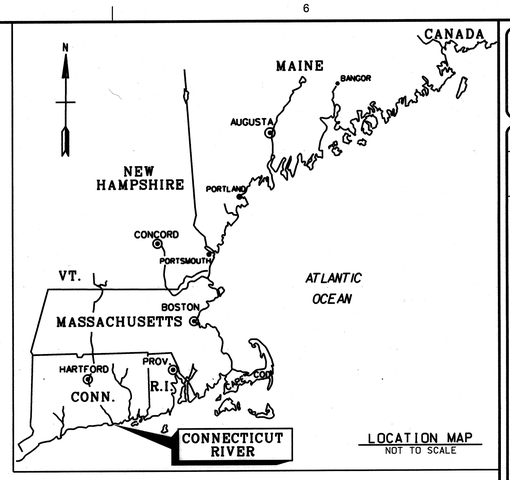
SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SCANNED RECORD DEC. 2011



PLAN
SCALE: 1" = 100'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-136	09/09/11	N 824596.40 E 1027488.29	41°- 43′- 26.9″N 72°- 38′- 57.5″W
GC-137	09/09/11	N 826049.98 E 1027896.80	41°- 43′- 41.2″N 72°- 38′- 52.1″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. 12378. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
4. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. RTK base station MTS Middletown was utilized for this survey. A Hypack Kinematic Tidal Datum (KTD) file was generated from NAVD88 to MLLW corrections calculated (through opus) from NOAA, National Ocean Surveys (NOS) tidal bench mark publications along the Connecticut River from Saybrook to Hartford.
5. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during September 2010.
6. 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.
7. 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.
8. Field Book: R&H 4501
   15-foot depth contour shown thus:
   Surveyed by: Robert MacGovern and Crew
   Refer to Survey No.: 10-1139, 10-1140, 10-1041, and 10-1042

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REVIEWED BY: Paul Gaudet, Jr. P.E. Chief, Coastal Section
SUBMITTED BY: Daniel T. Doucette Chief, Operations Division
PLOT SCALE: 1" = 100'
PLOT DATE: 12/15/2011
SIZE: ANSI F
DATE: 12/15/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CT0910TOPO.dgn
DRAWING CODE: CRB-1918
FILE NAME: CB0910TOPO.001

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

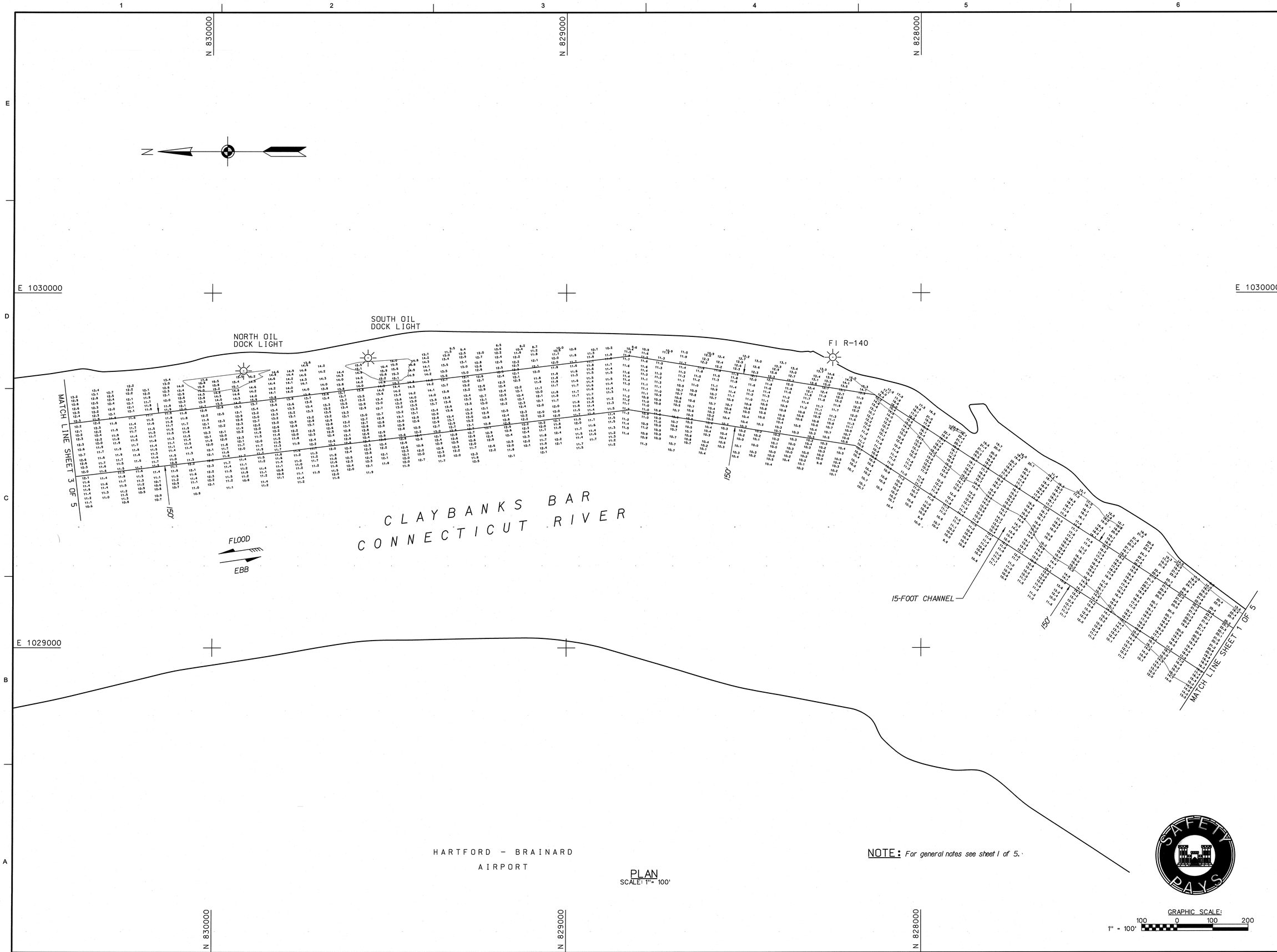
WETHERSFIELD SHOAL, CLAYBANKS BAR,
CLAYBANKS UPPER BAR, & HARTFORD BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 5

SAFETY PAYS

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

SCANNED RECORD DEC. 2011



PLAN
SCALE: 1" = 100'

NOTE: For general notes see sheet 1 of 5.

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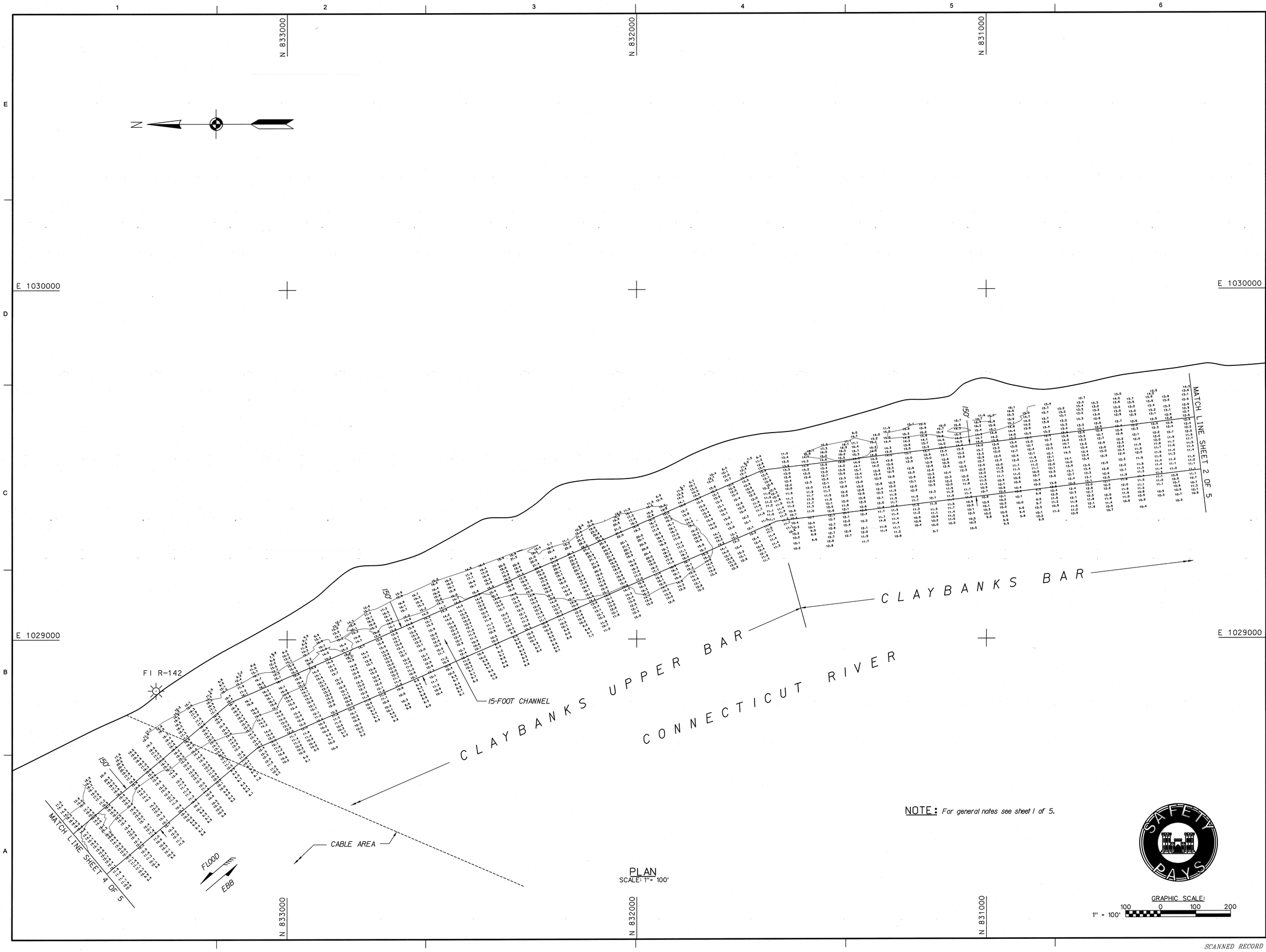
REVIEWED BY: Mark T. Nelson, Asst. Chief, Survey Section
SUBMITTED BY: Mark T. Nelson, Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 12/16/2011
SIZE: ANSI F
FILE NAME: CRB1018V102.S02
DATE: 12/16/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-1018

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

WETHERSFIELD SHOAL, CLAYBANKS BAR
CLAYBANKS UPPER BAR, & HARTFORD BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-102
SHEET 2 OF 5

SCANNED RECORD DEC. 2011



NOTE: For general notes see sheet 1 of 5.

PLAN
SCALE: 1" = 100'

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

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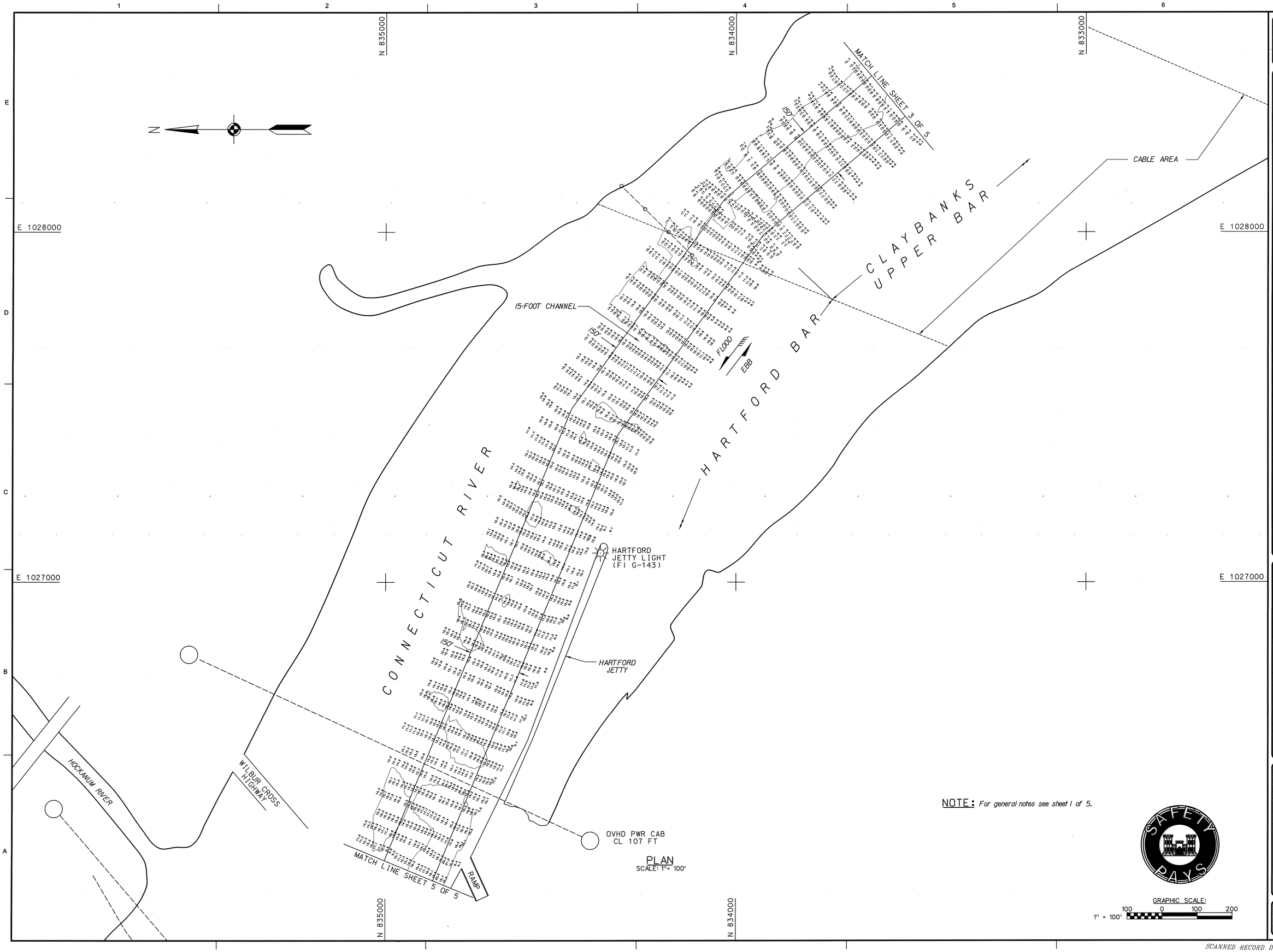
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 12/16/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRB/HSP3.DGN
PLOT SCALE: 1" = 100'
PLOT DATE: 12/15/2011
DRAWING CODE: CRB-1018
SIZE: ANSI F
FILE NAME: CRB1018V103.S03

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

WETHERSFIELD SHOAL, CLAYBANKS BAR
CLAYBANKS UPPER BAR, & HARTFORD BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-103
SHEET 3 OF 5

SCANNED RECORD DEC. 2011



PLAN
SCALE: 1" = 100'

NOTE: For general notes see sheet 1 of 5.

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

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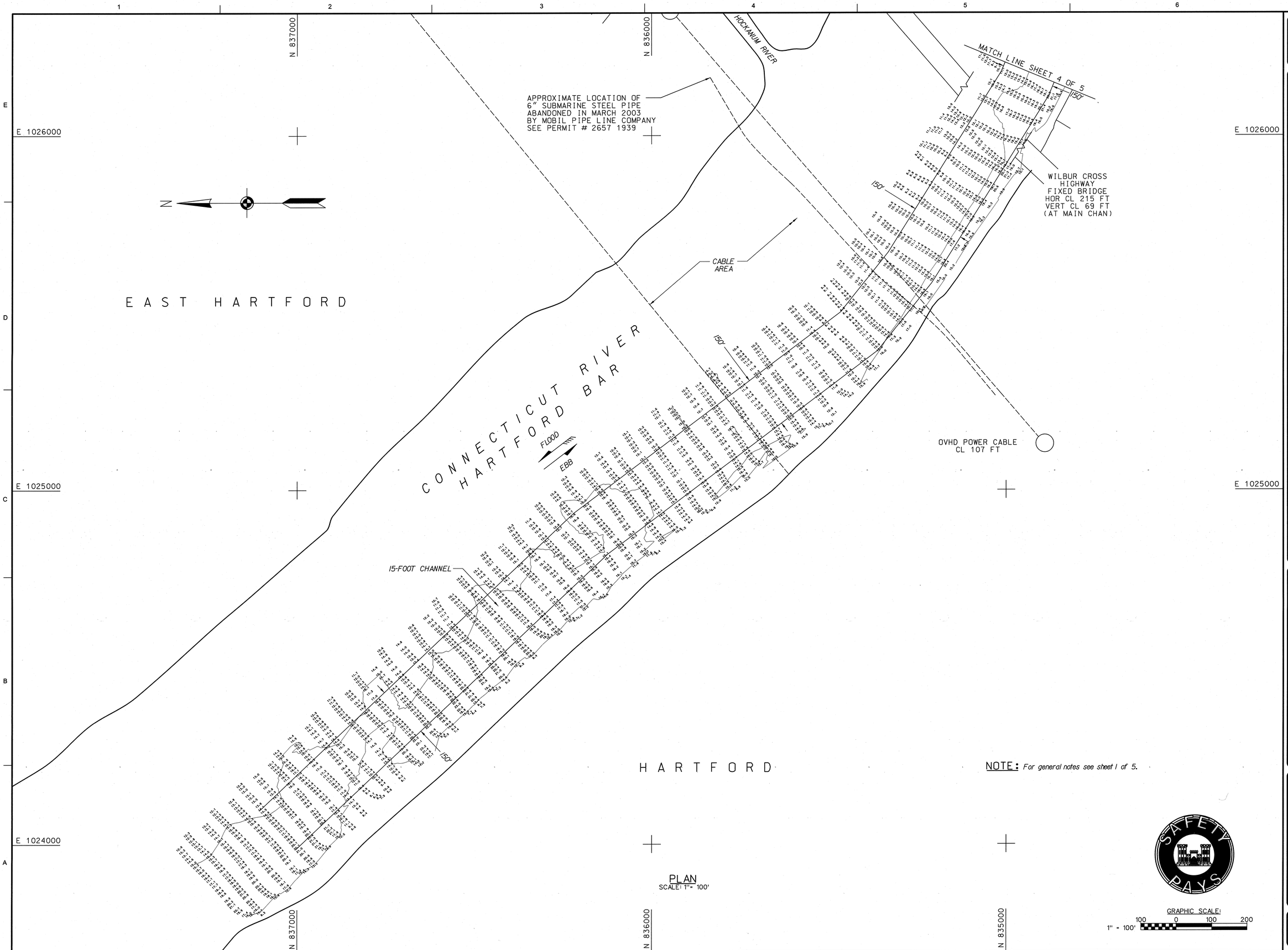
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 12/15/2011
SIZE: ANSI F
FILE NAME: CRB1018V104.S04
DATE: 12/16/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-1018

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

WETHERSFIELD SHOAL, CLAYBANKS BAR
CLAYBANKS UPPER BAR, & HARTFORD BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-104
SHEET 4 OF 5

SCANNED RECORD DEC. 2011



NOTE: For general notes see sheet 1 of 5.

PLAN
SCALE: 1" = 100'

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

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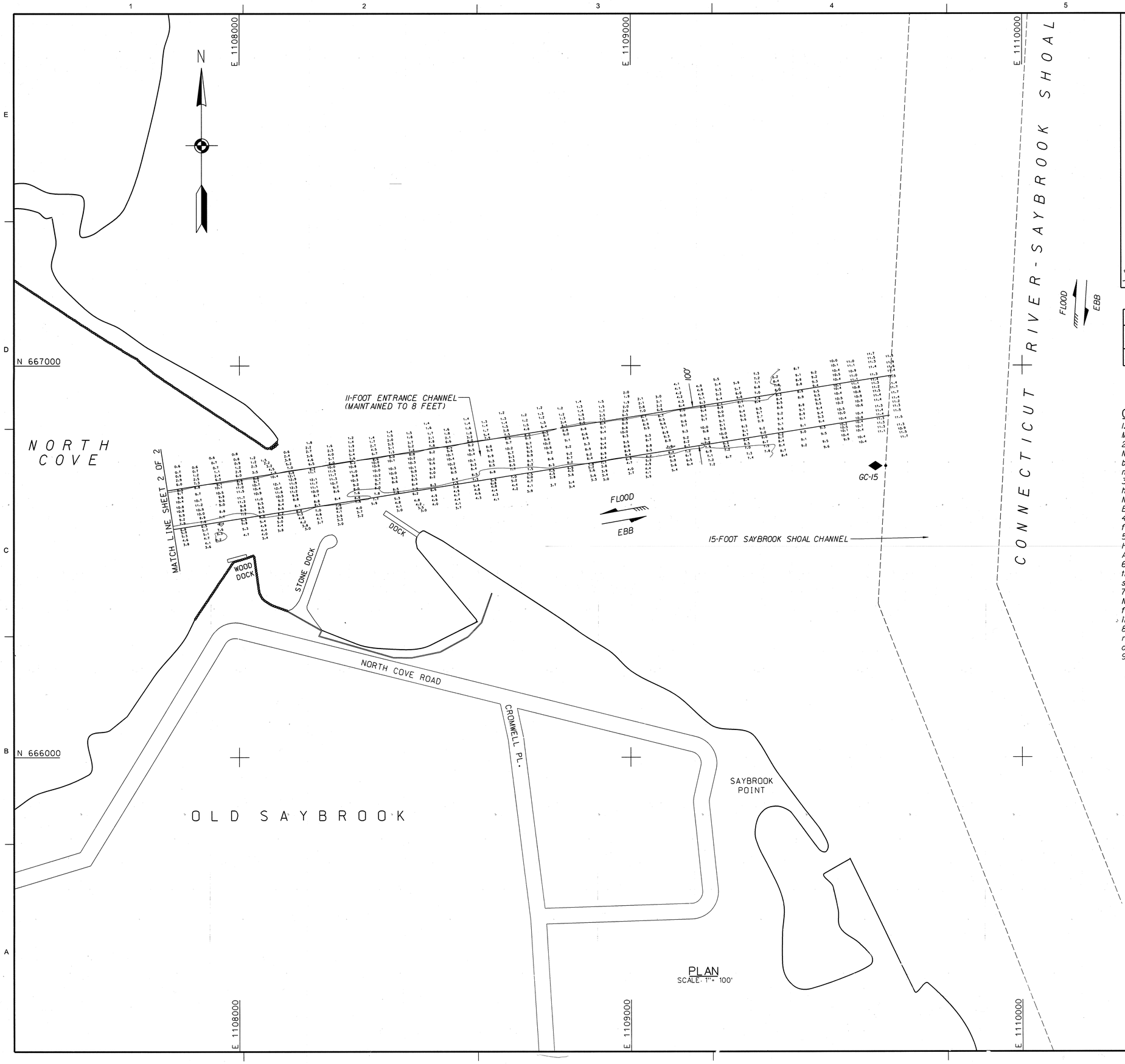
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 12/16/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRB18SP3.DGN
DRAWING CODE: CRB-1018
PLOT SCALE: 1" = 100'
PLOT DATE: 12/15/2011
SIZE: ANSI F
FILE NAME: CRB1018V105.S05

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

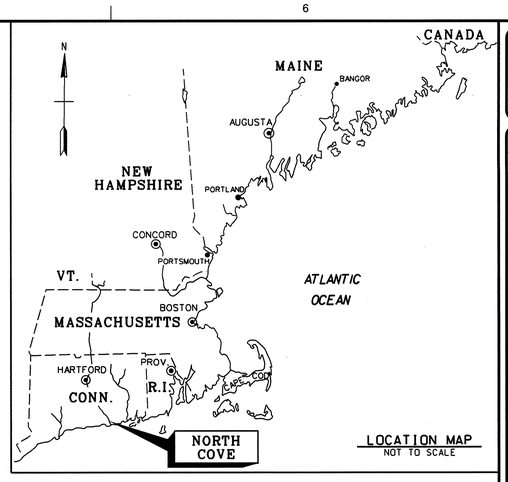
WETHERSFIELD SHOAL, CLAYBANKS BAR
CLAYBANKS UPPER BAR, & HARTFORD BAR
CONDITION SURVEY
15-FOOT CHANNEL

SHEET IDENTIFICATION
V-105
SHEET 5 OF 5

SCANNED RECORD DEC. 2011



PLAN
SCALE: 1" = 100'



LOCATION MAP
NOT TO SCALE

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-15	10/21/08	N 666743.93 E 1109651.45	41° - 17′ - 25.0″N 72° - 21′ - 03.6″W

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. 12375. 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: TBM TOWN DOCK (2007) is a 5/16" drill hole in the north end of the concrete apron at the west end of North Cove at the Town Dock.
Elevation is 4.528 feet above MLLW.
4. Coordinates shown are based on the Lambert Grid System for the State of Connecticut and NAD 1983.
5. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning was obtained utilizing a Leica 1200 GPS system. An RTK base station was set up on TBM TOWN DOCK (2007).
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during May 2009.
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 3748
6-foot and 8-foot depth contours shown thus:
Depthsounder Rolls: 09-995/01-02
Survey No. 09-995
Survey by: Robert MacGovern and Crew

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

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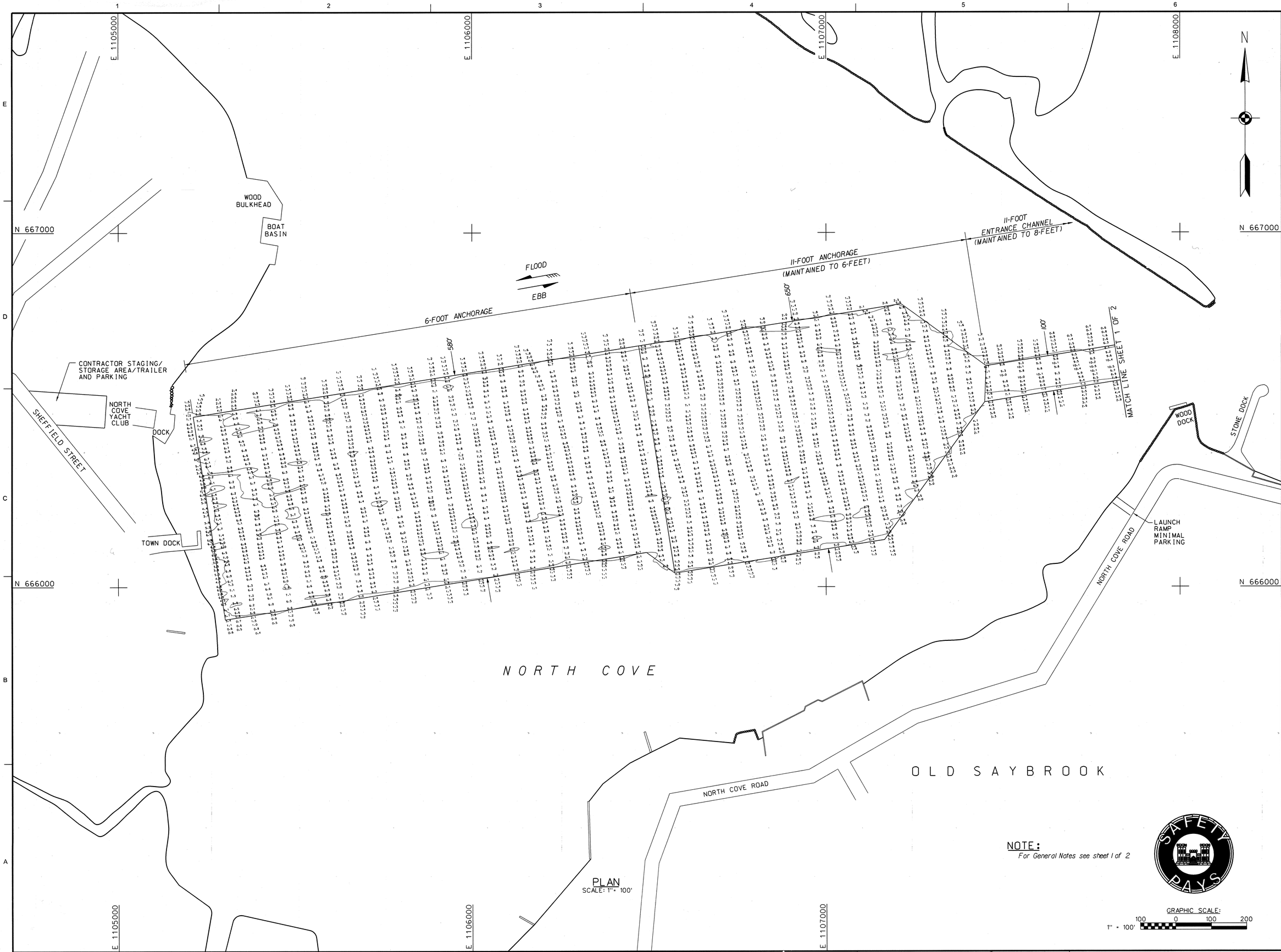
REVIEWED BY: Chief, Hydrographic Surveys and Chart Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 06/03/2009
SIZE: E
ACAD: NEDRAWS1-531
FILE NAME: CT-086
DRAWING CODE: CT-086
RESIGN FILE: CT-086-RESIGN
DWN BY: SWK
CKD BY: MTM
SWK
DATE: 6/3/09

CONNECTICUT RIVER BELOW HARTFORD
NORTH COVE
OLD SAYBROOK, CONNECTICUT
AFTER DREDGE SURVEY
11-FOOT CHANNEL
6 AND 11-FOOT ANCHORAGES

SHEET IDENTIFICATION
V-101
SHEET 1 OF 2

SAFETY PAYS

SCANNED RECORD JUN 2009



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 2

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MARK	DESCRIPTION	DATE	APPR

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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 6/3/03
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: NCNRSP3.DGN
DRAWING CODE: CT-588
PLOT SCALE: 1" = 100'
PLOT DATE: 06/03/2009
SIZE: ANSI F
FILE NAME: NCN588V102.S02

CONNECTICUT RIVER BELOW HARTFORD
NORTH COVE
OLD SAYBROOK, CONNECTICUT
AFTER DREDGE SURVEY
11-FOOT CHANNEL
6 AND 11-FOOT ANCHORAGES

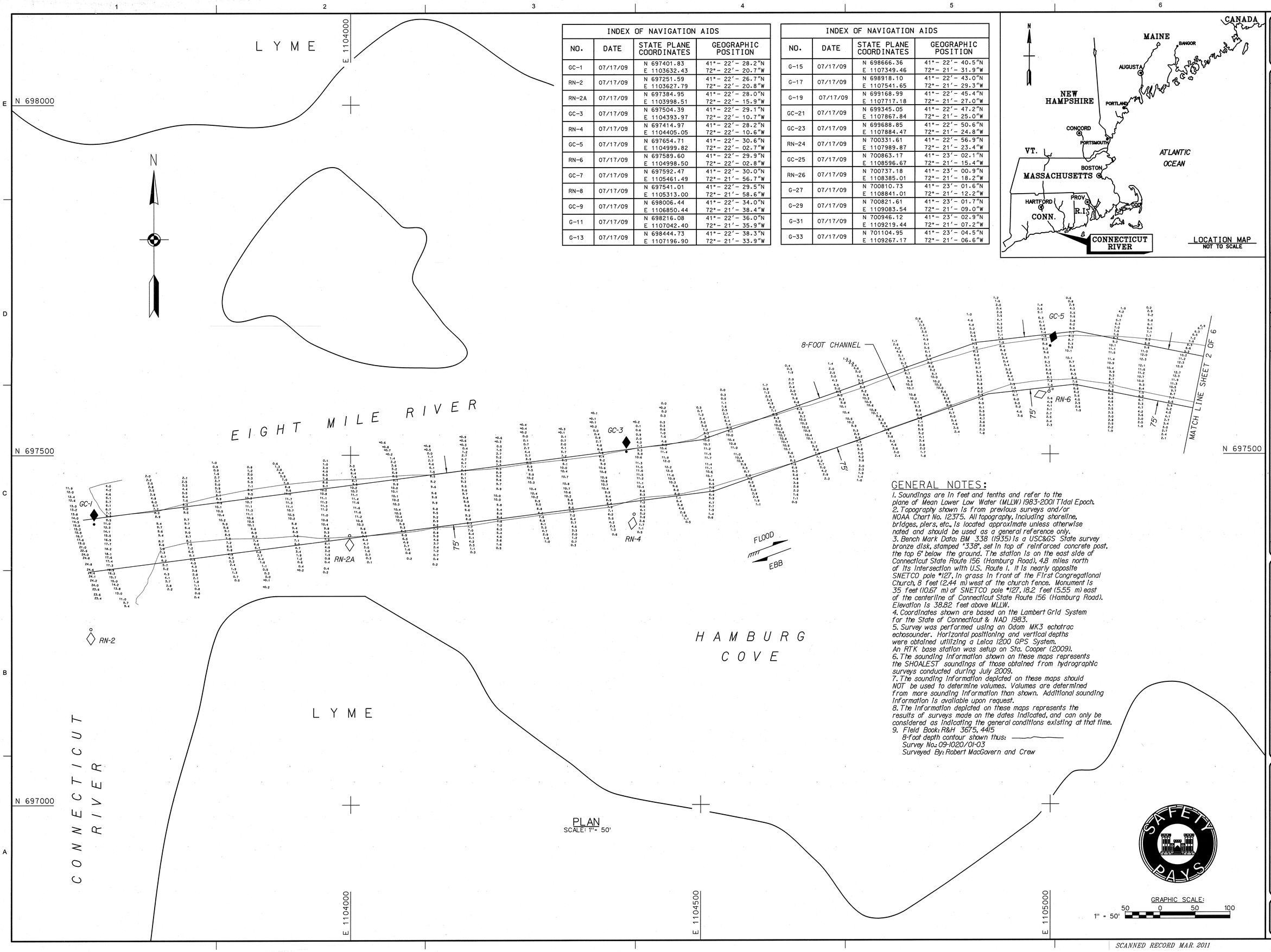
SHEET IDENTIFICATION
V-102
SHEET 2 OF 2

SCANNED RECORD JUN 2009

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-1	07/17/09	N 697401.83 E 1103632.43	41°- 22′- 28.2″N 72°- 22′- 20.7″W
RN-2	07/17/09	N 697251.59 E 1103627.79	41°- 22′- 26.7″N 72°- 22′- 20.8″W
RN-2A	07/17/09	N 697384.95 E 1103998.51	41°- 22′- 28.0″N 72°- 22′- 15.9″W
GC-3	07/17/09	N 697504.39 E 1104393.97	41°- 22′- 29.1″N 72°- 22′- 10.7″W
RN-4	07/17/09	N 697414.97 E 1104405.05	41°- 22′- 28.2″N 72°- 22′- 10.6″W
GC-5	07/17/09	N 697654.71 E 1104999.82	41°- 22′- 30.6″N 72°- 22′- 02.7″W
RN-6	07/17/09	N 697589.60 E 1104998.50	41°- 22′- 29.9″N 72°- 22′- 02.8″W
GC-7	07/17/09	N 697592.47 E 1105461.49	41°- 22′- 30.0″N 72°- 21′- 56.7″W
RN-8	07/17/09	N 697541.01 E 1105313.00	41°- 22′- 29.5″N 72°- 21′- 58.6″W
GC-9	07/17/09	N 698006.44 E 1106850.44	41°- 22′- 34.0″N 72°- 21′- 38.4″W
G-11	07/17/09	N 698216.08 E 1107042.40	41°- 22′- 36.0″N 72°- 21′- 35.9″W
G-13	07/17/09	N 698444.73 E 1107196.90	41°- 22′- 38.3″N 72°- 21′- 33.9″W

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
G-15	07/17/09	N 698666.36 E 1107349.46	41°- 22′- 40.5″N 72°- 21′- 31.9″W
G-17	07/17/09	N 698918.10 E 1107541.65	41°- 22′- 43.0″N 72°- 21′- 29.3″W
G-19	07/17/09	N 699168.99 E 1107717.18	41°- 22′- 45.4″N 72°- 21′- 27.0″W
GC-21	07/17/09	N 699345.05 E 1107867.84	41°- 22′- 47.2″N 72°- 21′- 25.0″W
GC-23	07/17/09	N 699688.85 E 1107884.47	41°- 22′- 50.6″N 72°- 21′- 24.8″W
RN-24	07/17/09	N 700331.61 E 1107989.87	41°- 22′- 56.9″N 72°- 21′- 23.4″W
GC-25	07/17/09	N 700863.17 E 1108596.67	41°- 23′- 02.1″N 72°- 21′- 15.4″W
RN-26	07/17/09	N 700737.18 E 1108385.01	41°- 23′- 00.9″N 72°- 21′- 18.2″W
G-27	07/17/09	N 700810.73 E 1108841.01	41°- 23′- 01.6″N 72°- 21′- 12.2″W
G-29	07/17/09	N 700821.61 E 1109083.54	41°- 23′- 01.7″N 72°- 21′- 09.0″W
G-31	07/17/09	N 700946.12 E 1109219.44	41°- 23′- 02.9″N 72°- 21′- 07.2″W
G-33	07/17/09	N 701104.95 E 1109267.17	41°- 23′- 04.5″N 72°- 21′- 06.6″W

LOCATION MAP
NOT TO SCALE



PLAN
SCALE: 1" = 50'

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. 12375. 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: BM 338 (1935) is a USC&GS State survey bronze disk, stamped "338", set in top of reinforced concrete post, the top 6" below the ground. The station is on the east side of Connecticut State Route 156 (Hamburg Road), 4.8 miles north of its intersection with U.S. Route 1. It is nearly opposite SNETCO pole #127, in grass in front of the First Congregational Church, 8 feet (2.44 m) west of the church fence. Monument is 35 feet (10.67 m) of SNETCO pole #127, 18.2 feet (5.55 m) east of the centerline of Connecticut State Route 156 (Hamburg Road). Elevation is 38.82 feet above MLLW.
4. Coordinates shown are based on the Lambert Grid System for the State of Connecticut & NAD 1983.
5. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. An RTK base station was setup on Sta. Cooper (2009).
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during July 2009.
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 3675, 4415
   8-foot depth contour shown thus: ———
   Survey No.: 09-1020/01-03
   Surveyed By: Robert MacGovern and Crew

GRAPHIC SCALE:
1" = 50'
50 0 50 100

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

DATE: 3 Aug 11
REVIEWED BY: Alec Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DWN BY: WWW
CKD BY: MTM
DESIGN FILE: CRBSHEP3.DGN
DRAWING CODE: CRB-984
PLOT SCALE: 1" = 50'
PLOT DATE: 3/24/2011
FILE NAME: CRBSHEET101.S01
SIZE: ANSI E

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NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
EIGHT MILE RIVER
CONDITION SURVEY
8-FOOT CHANNEL AND TURNING BASIN

SHEET IDENTIFICATION
V-101
SHEET 1 OF 6

SAFETY PAYS

SCANNED RECORD MAR. 2011

PLAN
SCALE: 1" = 50'

NOTE:
For General Notes see sheet 1 of 6.

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NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
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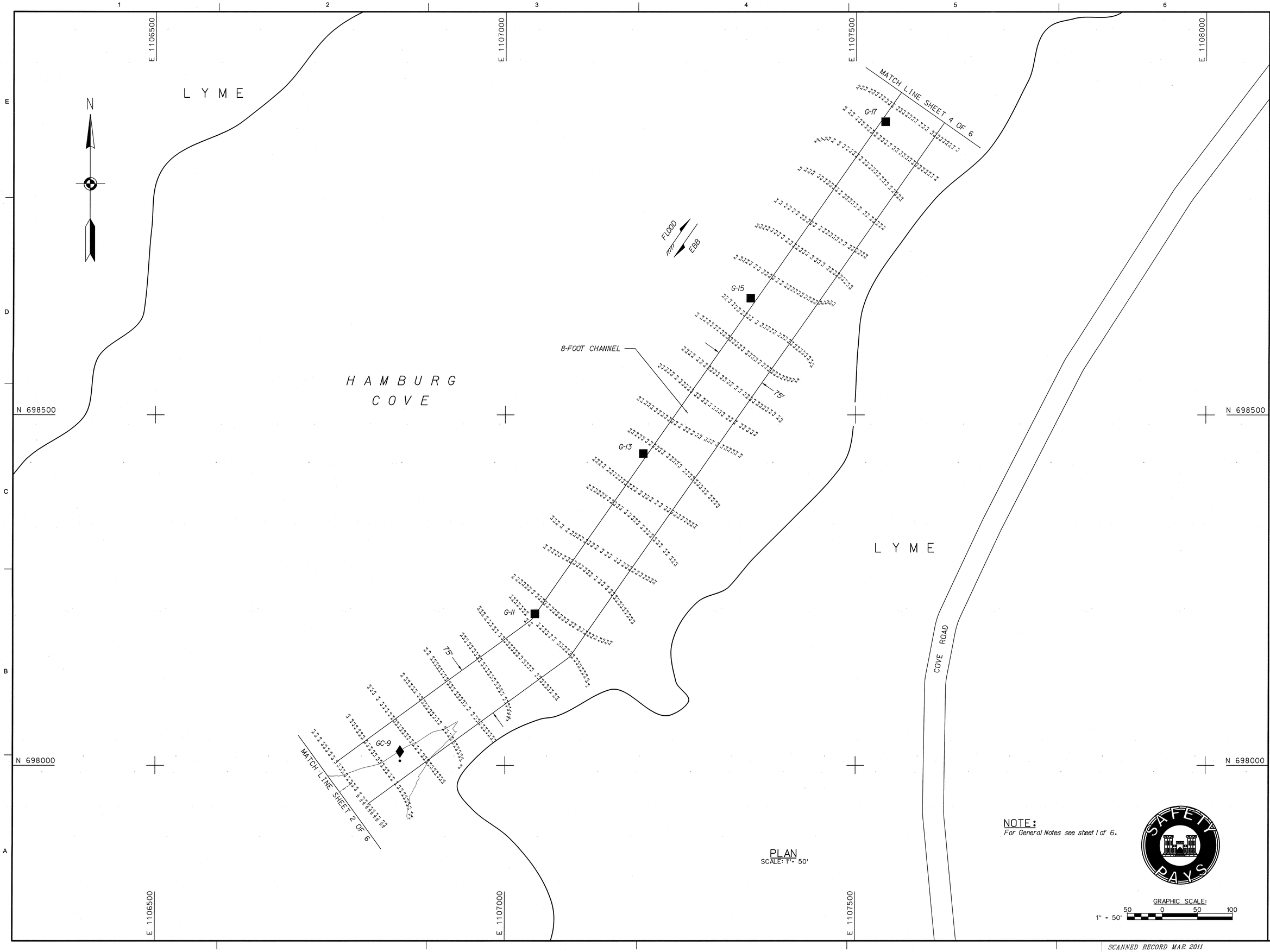
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 50'
PLOT DATE: 3/24/2011
SIZE: ANSI F
FILE NAME: CRB994V102.S02
DATE: 3/24/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-994

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

EIGHT MILE RIVER
CONDITION SURVEY
8-FOOT CHANNEL AND TURNING BASIN

SHEET IDENTIFICATION
V-102
SHEET 2 OF 6

SCANNED RECORD MAR. 2011



PLAN
SCALE: 1" = 50'

NOTE:
For General Notes see sheet 1 of 6.

GRAPHIC SCALE:
1" = 50'
50 0 50 100

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CONCORD, MASSACHUSETTS
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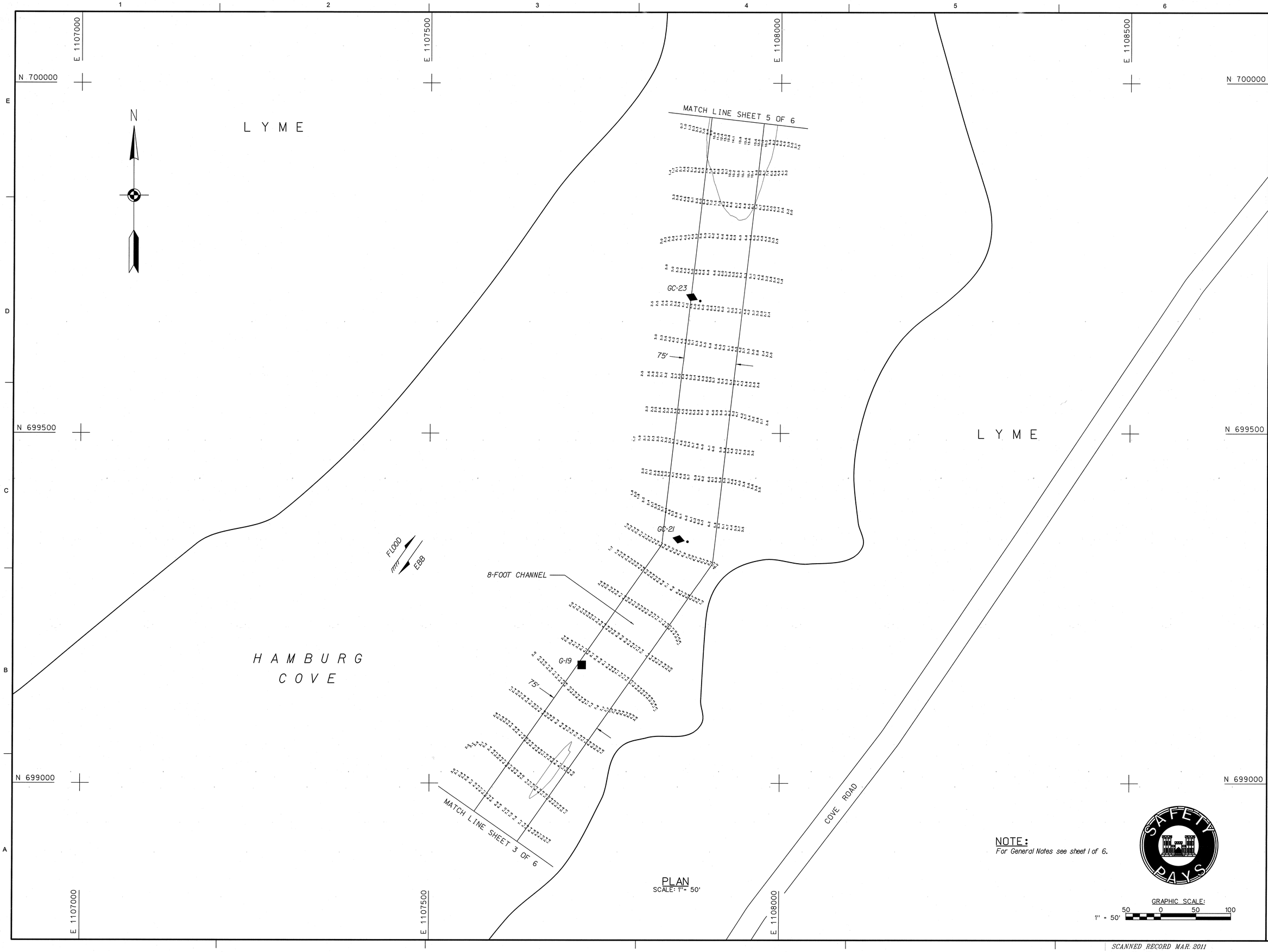
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 3/24/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-994
PLOT SCALE: 1" = 50'
PLOT DATE: 3/24/2011
SIZE: ANSI F
FILE NAME: CRB994V103.503

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
EIGHT MILE RIVER
CONDITION SURVEY
8-FOOT CHANNEL AND TURNING BASIN

SHEET IDENTIFICATION
V-103
SHEET 3 OF 6

SCANNED RECORD MAR. 2011



PLAN
SCALE: 1" = 50'

NOTE:
For General Notes see sheet 1 of 6.

GRAPHIC SCALE:
1" = 50'
50 0 50 100

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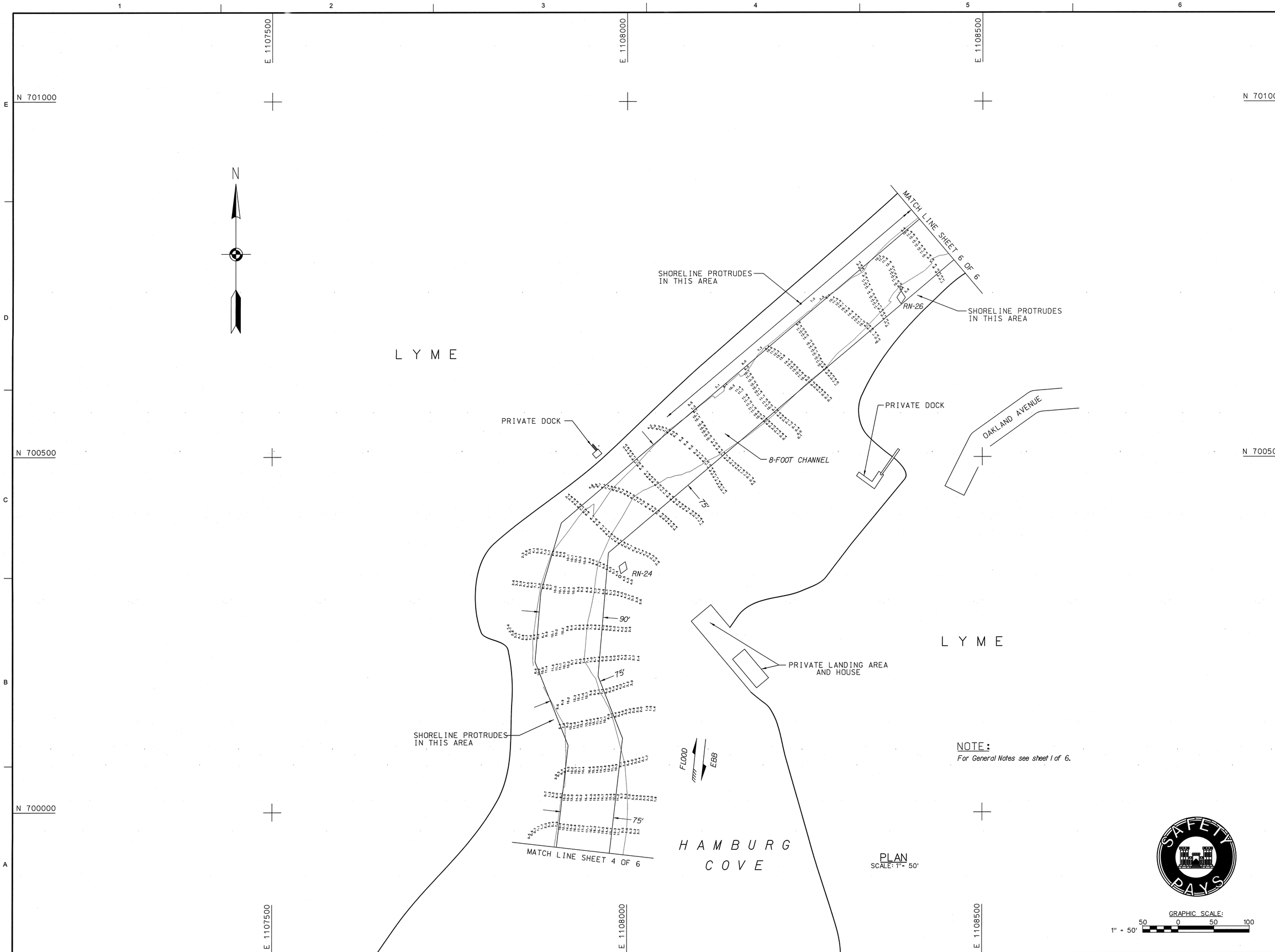
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 50'
PLOT DATE: 3/24/2011
SIZE: ANSI F
FILE NAME: CRB99AV104.S04
DATE: 3/24/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-994

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
EIGHT MILE RIVER
CONDITION SURVEY
8-FOOT CHANNEL AND TURNING BASIN

SHEET IDENTIFICATION
V-104
SHEET 4 OF 6

SCANNED RECORD MAR. 2011



NOTE:
For General Notes see sheet 1 of 6.

PLAN
SCALE: 1" = 50'

GRAPHIC SCALE:
1" = 50'
50 0 50 100

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MARK	DESCRIPTION	DATE	APPR

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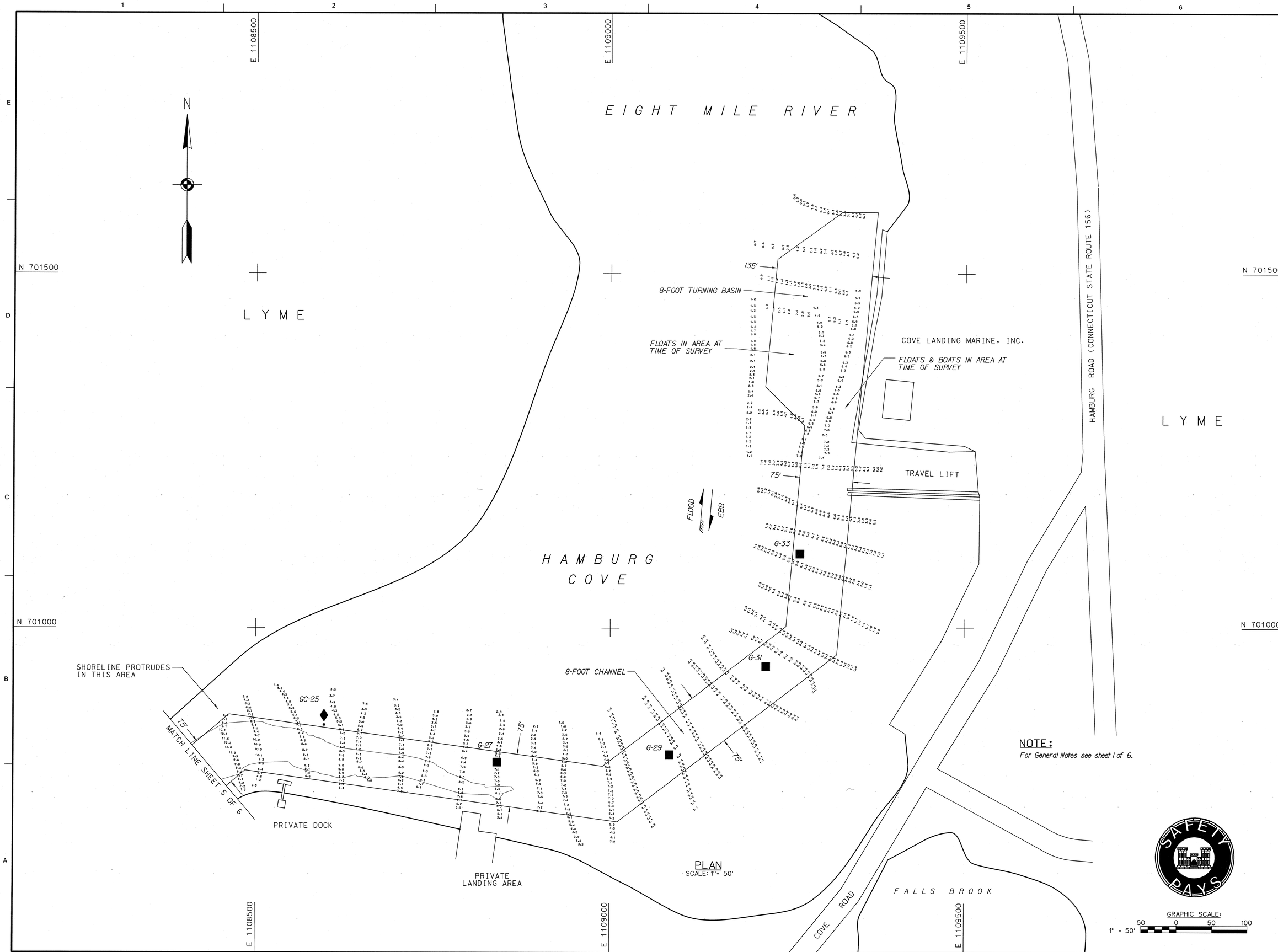
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 50'
SIZE: ANSI F
PLOT DATE: 3/24/2011
FILE NAME: CRB994V105.S05
DATE: 3/24/11
DWN BY: WWW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
DRAWING CODE: CRB-994

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

EIGHT MILE RIVER
CONDITION SURVEY
8-FOOT CHANNEL AND TURNING BASIN

SHEET IDENTIFICATION
V-105
SHEET 5 OF 6

SCANNED RECORD MAR 2011



PLAN
SCALE: 1" = 50'

NOTE:
For General Notes see sheet 1 of 6.

GRAPHIC SCALE:
1" = 50'
50 0 50 100

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MARK	DESCRIPTION	DATE	APPR

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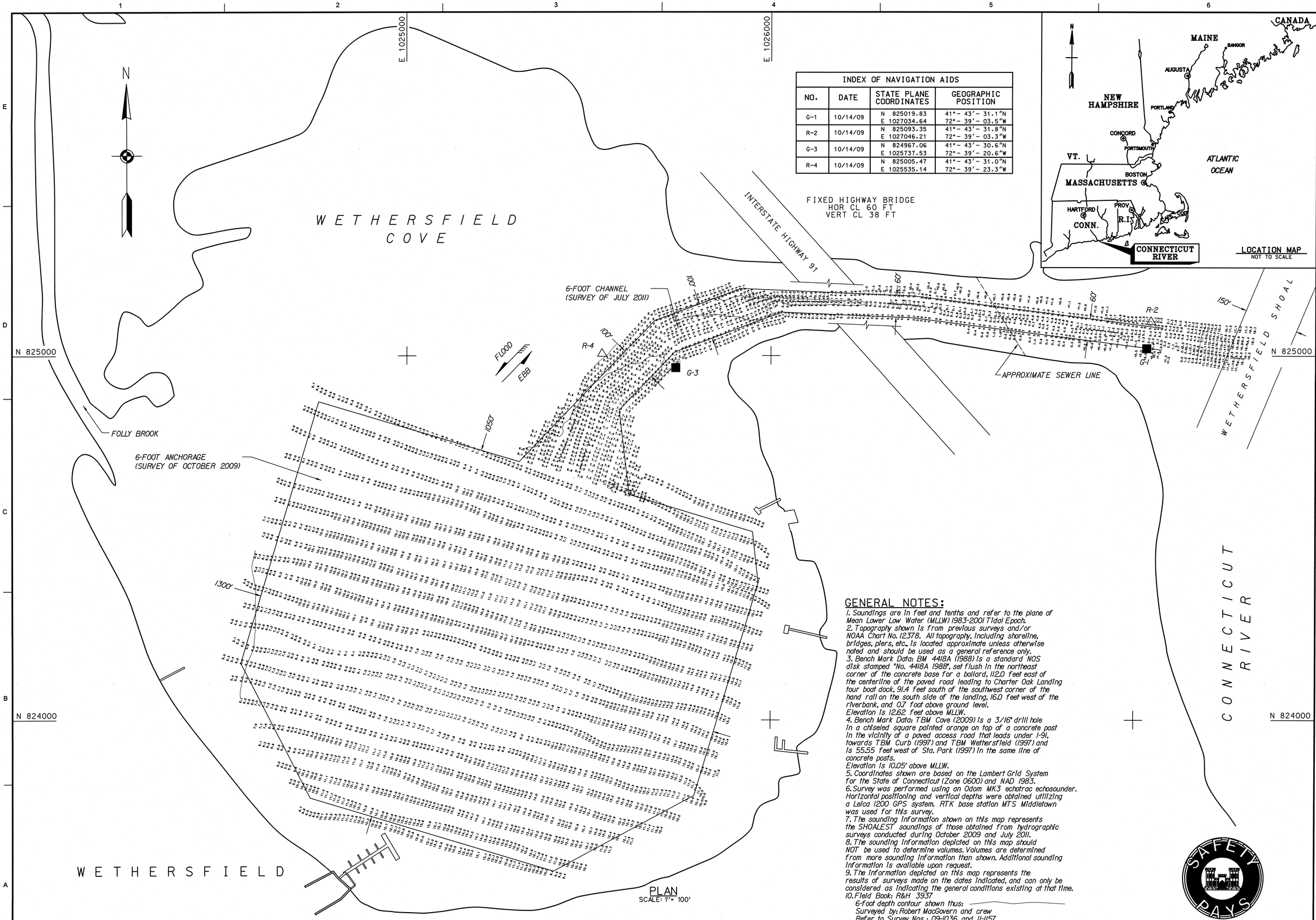
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 3/24/11
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: CRBHSP3.DGN
PLOT SCALE: 1" = 50'
PLOT DATE: 3/23/2011
DRAWING CODE: CRB-994
SIZE: ANSI F
FILE NAME: CRB994V106.S06

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT
EIGHT MILE RIVER
CONDITION SURVEY
8-FOOT CHANNEL AND TURNING BASIN

SHEET IDENTIFICATION
V-106
SHEET 6 OF 6

SCANNED RECORD MAR. 2011



PLAN
SCALE: 1" = 100'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
G-1	10/14/09	N 825019.83 E 1027034.64	41°- 43'- 31.1"N 72°- 39'- 03.5"W
R-2	10/14/09	N 825093.35 E 1027046.21	41°- 43'- 31.8"N 72°- 39'- 03.3"W
G-3	10/14/09	N 824967.06 E 1025737.53	41°- 43'- 30.6"N 72°- 39'- 20.6"W
R-4	10/14/09	N 825005.47 E 1025535.14	41°- 43'- 31.0"N 72°- 39'- 23.3"W

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. 12378. 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: BM 4418A (1988) is a standard NOS disk stamped "No. 4418A 1988", set flush in the northeast corner of the concrete base for a bollard, 112.0 feet east of the centerline of the paved road leading to Charter Oak Landing tour boat dock, 91.4 feet south of the southwest corner of the hand rail on the south side of the landing, 16.0 feet west of the riverbank, and 0.7 foot above ground level.
Elevation is 12.62 feet above MLLW.
4. Bench Mark Data: TBM Cove (2009) is a 3/16" drill hole in a chiseled square painted orange on top of a concrete post in the vicinity of a paved access road that leads under I-91, towards TBM Curb (1997) and TBM Wethersfield (1997) and is 55.55 feet west of Sta. Park (1997) in the same line of concrete posts.
Elevation is 10.05' above MLLW.
5. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) and NAD 1983.
6. Survey was performed using an Odom MK3 echotrac echosounder. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS system. RTK base station MTS Middletown was used for this survey.
7. The sounding information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during October 2009 and July 2011.
8. The sounding information depicted on this map should NOT be used to determine volumes. Volumes are determined from more sounding information than shown. Additional sounding information is available upon request.
9. The information depicted on this map represents the results of surveys made on the dates indicated, and can only be considered as indicating the general conditions existing at that time.
10. Field Book: R&H 3937
6-foot depth contour shown thus:
Surveyed by: Robert MacGovern and crew
Refer to Survey Nos.: 09-1036 and 11-1157

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

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MARK	DESCRIPTION	DATE	APPR

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REVIEWED BY: Mark Tinkham
Asst. Chief, Survey Section
SUBMITTED BY: Robert MacGovern
Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 5/21/2012
SIZE: ANSI F
FILE NAME: CRB1019V101.S01
DATE: 5/21/12
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: CRB#SP3.DGN
DRAWING CODE: CRB-1019

CONNECTICUT RIVER, BELOW HARTFORD
SAYBROOK TO HARTFORD, CT

WETHERSFIELD COVE
CONDITION SURVEY
6-FOOT CHANNEL & ANCHORAGE

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1