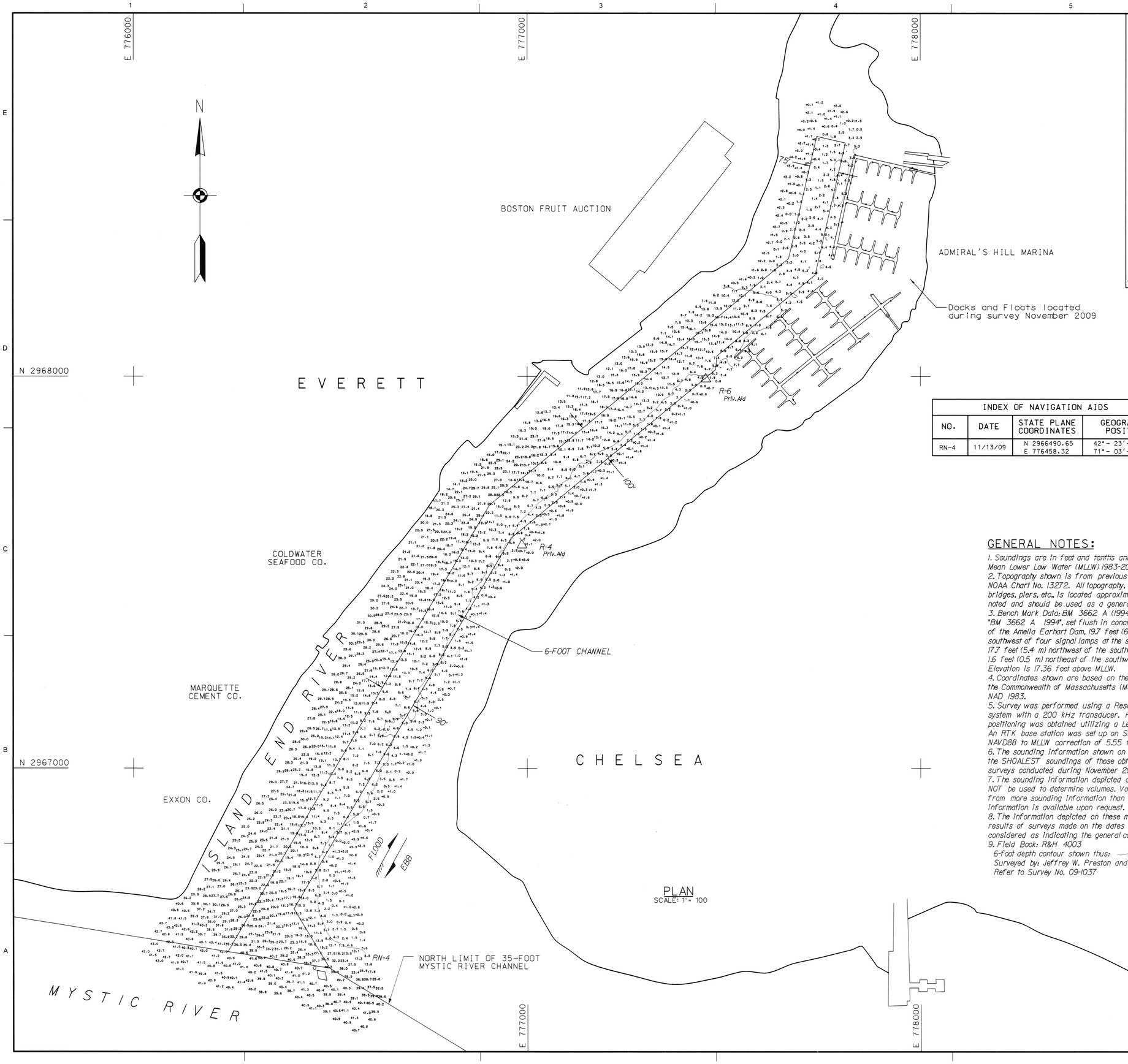
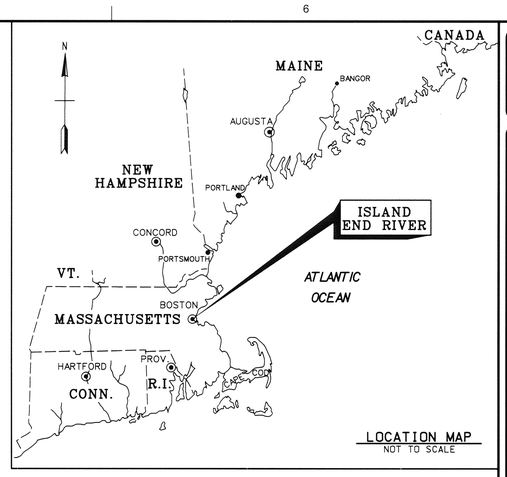


PLAN
SCALE: 1"= 100



LOCATION MAP
NOT TO SCALE

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-4	11/13/09	N 2966490.65 E 776458.32	42°- 23'- 14.4"N 71°- 03'- 17.0"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. 13272. 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 3662 A (1994) is a NOS disk stamped "BM 3662 A 1994", set flush in concrete on the southwest side of the Amelia Earhart Dam, 19.7 feet (6.0 m) west of the most southwest of four signal lamps at the southeast end of the dam, 17.7 feet (5.4 m) northwest of the southeast corner of the dam, and 1.6 feet (0.5 m) northeast of the southwest edge of the dam. Elevation is 17.36 feet above MLLW.
4. Coordinates shown are based on the Lambert Grid System for the Commonwealth of Massachusetts (Mainland Zone 2001) and NAD 1983.
5. Survey was performed using a Reson 8124 multibeam echosounder system with a 200 kHz transducer. Horizontal and vertical positioning was obtained utilizing a Lecia 1200 GPS System. An RTK base station was set up on Sta. BM 3662 A (1994) using a NAVD88 to MLLW correction of 5.55 feet at this location.
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during November 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 4003
6-foot depth contour shown thus:
Surveyed by: Jeffrey W. Preston and Crew
Refer to Survey No. 09-1037

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

US Army Corps of Engineers®
New England District

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
PLOT SCALE: 1" = 100'
PLOT DATE: 2/08/2008
SIZE: ANSI F
FILE NAME: ISLBV101.S01
DATE: 2/8/10
DWN BY: WHW
CKD BY: MTM
DESIGN FILE: ISLHSP3.DGN
DRAWING CODE: IS-6

ISLAND END RIVER
CHELSEA, MA
CONDITION SURVEY
6-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

Scanned Record Feb - 2010