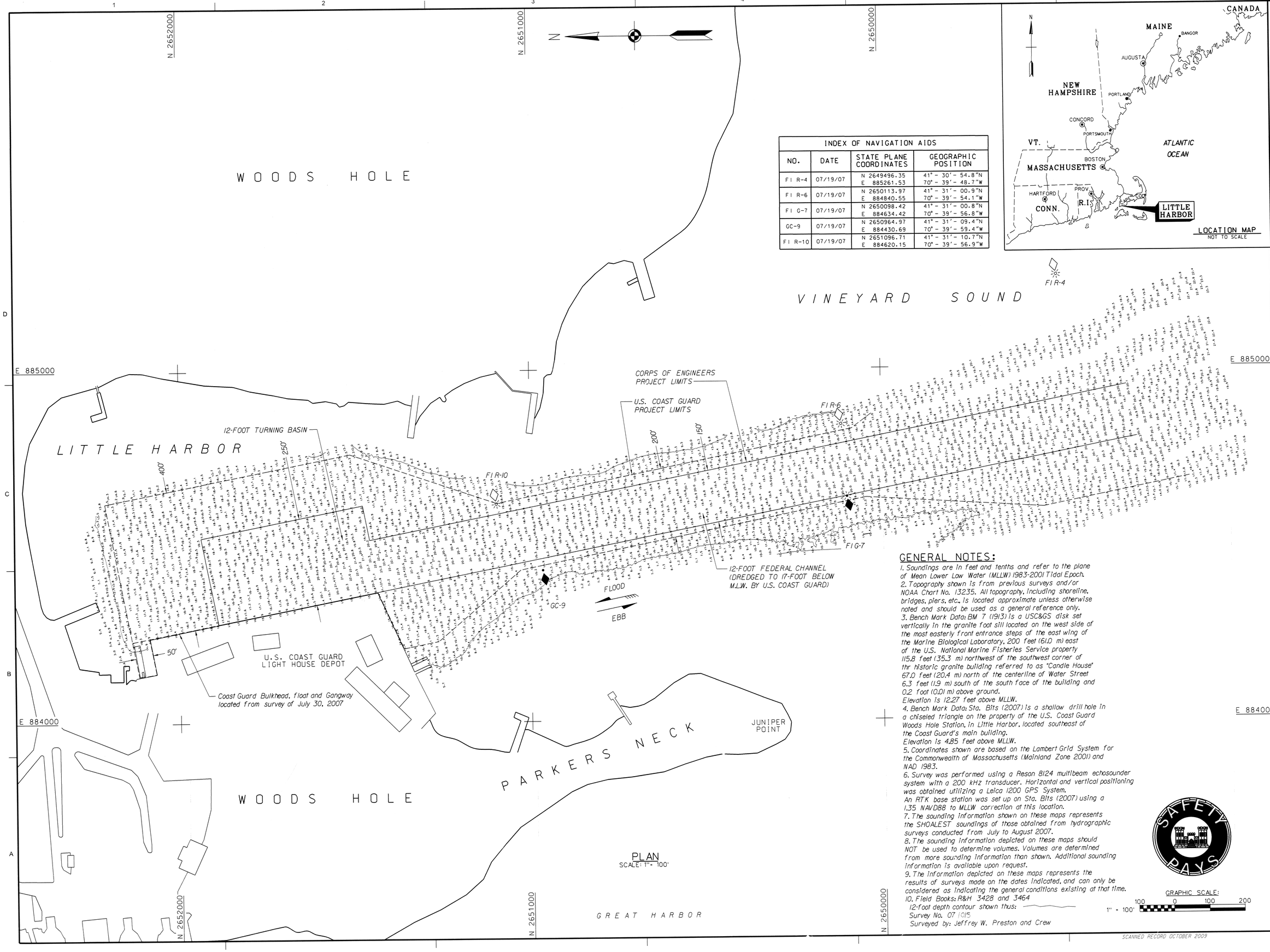

PLAN
SCALE: 1" = 100'

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
FI R-4	07/19/07	N 2649496.35 E 885261.53	41° - 30′ - 54.8″N 70° - 39′ - 48.7″W
FI R-6	07/19/07	N 2650113.97 E 884840.55	41° - 31′ - 00.9″N 70° - 39′ - 54.1″W
FI G-7	07/19/07	N 2650098.42 E 884634.42	41° - 31′ - 00.8″N 70° - 39′ - 56.8″W
GC-9	07/19/07	N 2650964.97 E 884430.69	41° - 31′ - 09.4″N 70° - 39′ - 59.4″W
FI R-10	07/19/07	N 2651096.71 E 884620.15	41° - 31′ - 10.7″N 70° - 39′ - 56.9″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. 13235. 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 7 (1913) is a USC&GS disk set vertically in the granite foot sill located on the west side of the most easterly front entrance steps of the east wing of the Marine Biological Laboratory, 200 feet (61.0 m) east of the U.S. National Marine Fisheries Service property 115.8 feet (35.3 m) northwest of the southwest corner of thr historic granite building referred to as "Candle House" 67.0 feet (20.4 m) north of the centerline of Water Street 6.3 feet (1.9 m) south of the south face of the building and 0.2 foot (0.01 m) above ground.
Elevation is 12.27 feet above MLLW.
4. Bench Mark Data: Sta. Bits (2007) is a shallow drill hole in a chiseled triangle on the property of the U.S. Coast Guard Woods Hole Station, in Little Harbor, located southeast of the Coast Guard's main building.
Elevation is 4.85 feet above MLLW.
5. Coordinates shown are based on the Lambert Grid System for the Commonwealth of Massachusetts (Mainland Zone 2001) and NAD 1983.
6. Survey was performed using a Reson 8124 multibeam echosounder system with a 200 kHz transducer. Horizontal and vertical positioning was obtained utilizing a Leica 1200 GPS System.
An RTK base station was set up on Sta. Bits (2007) using a 1.35 NAVD88 to MLLW correction at this location.
7. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted from July to August 2007.
8. 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.
9. 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.
10. Field Books: R&H 3428 and 3464
12-foot depth contour shown thus:
Survey No. 07 1015
Surveyed by: Jeffrey W. Preston and Crew

SAFETY PAYS

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

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: Chief, Survey Section
SUPPORTED BY: Chief, Survey Section

DATE: 1/3/2008
DRAWN BY: SWK
CHKD BY: SWK
DESIGN FILE: LWH05FIGURE
DRAWING CODE: WH 155
FILE NAME: LWH1550V101.DGN
DATE: 10/05/2009
SCALE: 1" = 100'
SIZE: ANSI F

LITTLE HARBOR
WOODS HOLE, MASSACHUSETTS
CONDITION SURVEY

12-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SCANNED RECORD OCTOBER 2009