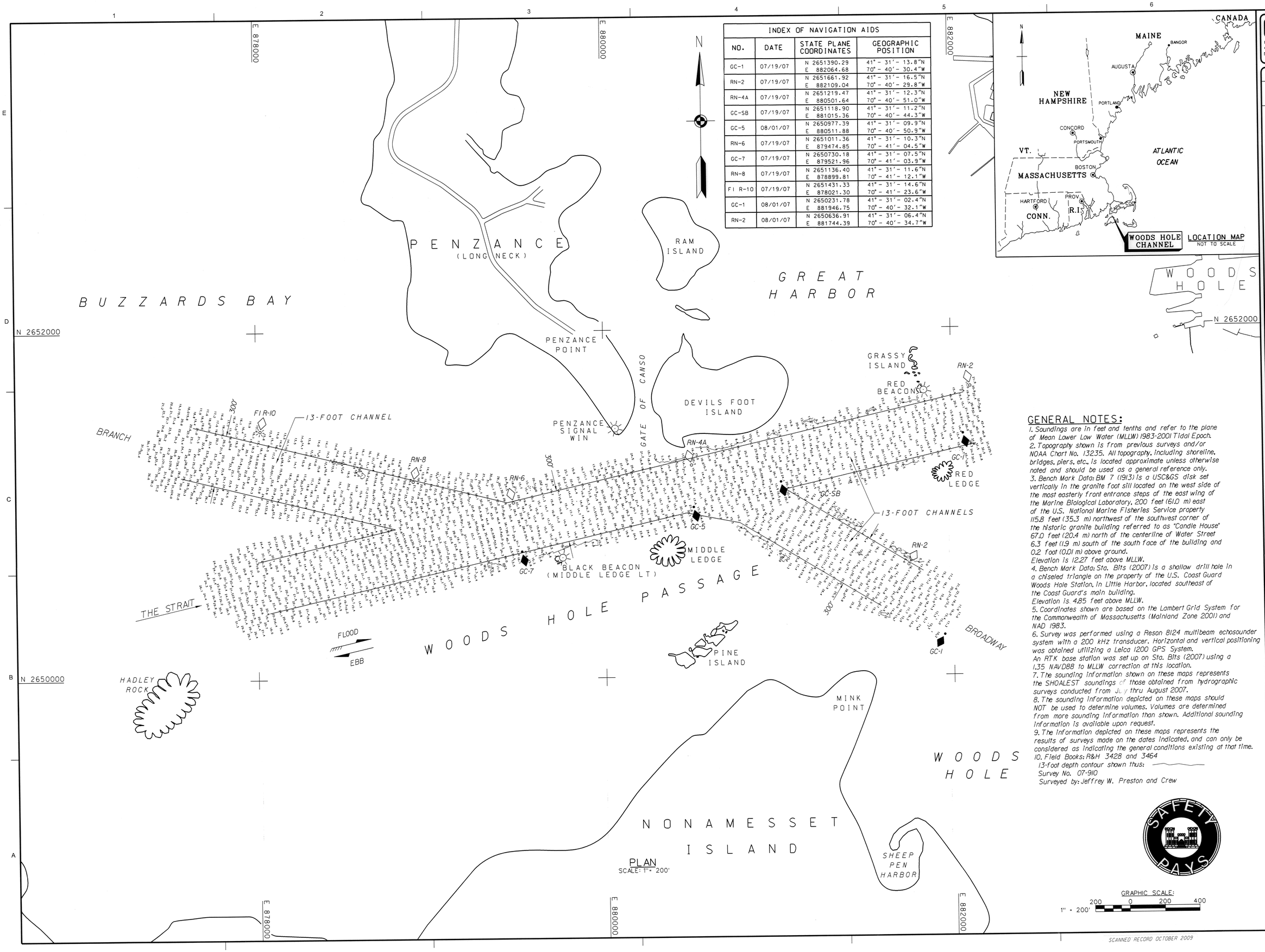

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-1	07/19/07	N 2651390.29 E 882064.68	41° - 31′ - 13.8″N 70° - 40′ - 30.4″W
RN-2	07/19/07	N 2651661.92 E 882109.04	41° - 31′ - 16.5″N 70° - 40′ - 29.8″W
RN-4A	07/19/07	N 2651219.47 E 880501.64	41° - 31′ - 12.3″N 70° - 40′ - 51.0″W
GC-SB	07/19/07	N 2651118.90 E 881015.36	41° - 31′ - 11.2″N 70° - 40′ - 44.3″W
GC-5	08/01/07	N 2650977.39 E 880511.88	41° - 31′ - 09.9″N 70° - 40′ - 50.9″W
RN-6	07/19/07	N 2651011.36 E 879474.85	41° - 31′ - 10.3″N 70° - 41′ - 04.5″W
GC-7	07/19/07	N 2650730.18 E 879521.96	41° - 31′ - 07.5″N 70° - 41′ - 03.9″W
RN-8	07/19/07	N 2651136.40 E 878899.81	41° - 31′ - 11.6″N 70° - 41′ - 12.1″W
FI R-10	07/19/07	N 2651431.33 E 878021.30	41° - 31′ - 14.6″N 70° - 41′ - 23.6″W
GC-1	08/01/07	N 2650231.78 E 881946.75	41° - 31′ - 02.4″N 70° - 40′ - 32.1″W
RN-2	08/01/07	N 2650636.91 E 881744.39	41° - 31′ - 06.4″N 70° - 40′ - 34.7″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. 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 the 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 thru 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
13-foot depth contour shown thus:
Survey No. 07-910
Surveyed by: Jeffrey W. Preston and Crew

PLAN
SCALE: 1" = 200'

GRAPHIC SCALE:
1" = 200'
200 0 200 400

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

DATE: 10/10/09
DWN BY: Jeffrey W. Preston
SURVEY: 07-910
DESIGN FILE: WOODSRP3.DGN
REVIEWED BY:
Asst. Chief, Survey Section
Asst. Chief, Hydrographic Section
Chief, Survey Section
DRAWING CODE: DRT-A
PLOT DATE:
PLOT SCALE: 1" = 200'
SIZE: ANSI E
FILE NAME: WOOSRW101.S01

WOODS HOLE CHANNEL (THE STRAIT)
BRANCH AND BROADWAY CHANNELS
WOODS HOLE, MASSACHUSETTS
CONDITION SURVEY
13-FOOT CHANNELS

SHEET IDENTIFICATION
V-101
SHEET 1 OF 1

SCANNED RECORD OCTOBER 2009