Mailed
Sept. 21, 2009

U.S. ARMY ENGINEER DISTRICT, NEW ENGLAND
CORPS OF ENGINEERS
696 Virginia Road
Concord, Massachusetts 01742-2751

Sept 18, 2009

CENAE-EP-DS (11-2-240a)

MEMORANDUM FOR: See Distribution

SUBJECT: Results of Survey

1. In accordance with department regulations there is enclosed a drawing showing results of survey in the following Federal project:

Warwick Cove – Warwick, RI

2. Controlling depth information for the above project is shown on the enclosed copy of navigation and chart data.

FOR THE COMMANDER:

Maura T Murray
for STEPHEN A. JOHNSTON
Chief, Survey Section

2 Enclosures:
1. ENG Form 4020-R
2. Dwg. No. WK-19

JOHNSTON MTM
PROOFREAD

DISTRIBUTION:
GENERAL

Chief Operations Division, Lyn Preston, Nautical Data Branch/NOAA, N/C26, Station 7350 1315 East-West Highway, Silver Springs, MD 20910-3282 - 1 copy of drawing, 1 copy of form

USCG Cutter Willow, LT JG Chmielecki - NETC Pier 2 – ATTN: Desiree Atnip, Newport, RI 02841 – 1 copy of drawing, 1 copy of form

Capt. E. Howard McVay Jr. - Northeast Marine Pilots Incorporated, 243 Spring Street, Newport, RI 02840 – 1 copy of drawing,

RHODE ISLAND

Mr. Dan Goulet – Coastal Resources Management Council – Oliver H. Stedman Government Center – 4808 Tower Hill Road, Suite 3 Wakefield, RI 02879-1900 – 1 copy of drawing, 1 copy of form

Commanding Officer – USCG Marine Safety Office, Providence – 20 Risho Avenue, East Providence, RI 02914-1215 – 1 copy of drawing, 1 copy of form

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

DATE: **Sept 18, 2009**

TO:

FROM: **U.S. Army Corps of Engineers**
New England District
696 Virginia Road
Concord, MA. 01742-2751

RIVER/HARBOR NAME AND STATE: Warwick Cove, Warwick, RI
Dwg. No. WK-19, Sheet(s) 1-4 of 4, Dated 18 Sept. 2009

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD		
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)	LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
CONDITION SURVEY **6-Foot Channel**							
From about 470' seaward of Buoy RN-2 upstream 2,080' to Buoy GC-3	05/07	150 to 170	.34	6.0	6.0	6.0	6.0
Thence upstream 1,065' to Buoy GC-7	05 & 06/07	170 to 150	.18	6.0	(1) 1.2	6.0	6.0
Thence upstream 3,680' to Buoy RN-10	06/07	150 to 100	.61	6.0	6.0	6.0	6.0
Thence upstream 2,690' to entrance of anchorage	06/07	100	.44	6.0	(2) 6.0	6.0	(3) 5.2
6-Foot Anchorage							
In last 300' of federal project	06/07		1.3 acres	6.0		(4) 5.0	
6-Foot Anchorage							
Adjacent to east channel limit	06/07		3.3 acres	6.0		(5) 5.9	
6-Foot Anchorage							
Adjacent to west channel limit in vicinity of Buoy GC-7	06/07		3.4 acres	6.0		(6) 5.0	
6-Foot Anchorage							
Adjacent to west channel limit in vicinity of Buoy GC-9	06/07		5.1 acres	6.0		(7) 6.0	

GENERAL NOTE: The information shown on this sheet(s) represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

FOOT NOTES:
(1). Except for shoaling to 0.9' within 15' of west channel limit.
(2). Encroachment of a pile on west channel limit about 200' upstream of Buoy RN-10.
(3). Except for shoaling to 4.5' within 10' of east limit in the last 370' of Federal Channel.
(4). Except for shoaling to 1.6' within the last 115' of anchorage.
(5). Except for shoaling to 4.3' within 25' along anchorage limits and encroachment by floats.
(6). Except for shoaling to 3.6' within 35' of anchorage limits.
(7). Except for shoaling to 5.4' within 15' of anchorage limits and encroachment by floats.

NOAA Chart 13224