

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

CENAE-CO-TS-S (11-2-240a)

MEMORANDUM FOR See Distribution

FEB 02 2001

SUBJECT: Results of Survey

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

Essex River, MA

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

FOR THE COMMANDER:



STEPHEN A. JOHNSTON
Chief, Survey Unit

- 2 Enclosures
- 1. drawing
- 2. navigation and chart data

JOHNSTON
PROOFREAD



DISTRIBUTION:

GENERAL

Chief Operations Division, Greg Norris, Nautical Data Branch/NOAA, N/C26, Station 7349
1315 East-West Highway, Silver Springs, MD 20910-3282 - 1 copy of drawing, 1 copy of form

USCG District 1(oan), 408 Atlantic Avenue, Boston, MA 02210-2209 - 4 copies of drawing, 4 copies of form

Mr. Robert Duncan, 76 Upland Road, Concord, MA 01742 - 1 copy of drawing, 1 copy of form

NOAA Ship RUDE, Atlantic Marine Center, 439 West York Street, Norfolk, VA 23510 - 1 copy of drawing, 1 copy of form

NOAA Ship FERREL, Atlantic Marine Center, 439 West York Street, Norfolk, VA 23510 - 1 copy of drawing, 1 copy of form

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

MASSACHUSETTS

Director, DEM Waterways, 349 Lincoln Street, Building 45, Hingham, MA 02043 – 1 copy of drawing, 1 copy of form

Commanding Officer, USCG WHITE HEATH (WLM-545), 427 Commercial Street, Boston, MA 02109-1027 - 1 copy of drawing, 1 copy of form

REPORT OF CHANNEL CONDITIONS
FOR CHANNELS LESS THAN 100 FEET WIDE
(ER 1130-2-316)

PAGE 1 OF 2 PAGES

DATE: FEB 02 2001

TO:

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

RIVER/HARBOR NAME AND STATE Essex River MA.

Dwg. No. ER122, Sheets 1-7 of 7, Dated Jan. 2001

MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			DEPTH AVAILABLE (feet)
		WIDTH (feet)	LENGTH naut. (miles)	DEPTH (Feet) MLLW	
<u>CONDITION SURVEY</u> <u>4-FOOT CHANNEL</u>					
From about 900' seaward of Bull Island upstream about 500'	5/2000	60	0.08	4.0	+2.5
Thence upstream about 800'	5/2000	60	0.13	4.0	2.9
Thence upstream about 2500'	5/2000	60	0.41	4.0	(1) 1.1
Thence upstream about 600'	5/2000	60	0.1	4.0	4.0
Thence upstream about 1340'	5/2000	60	0.22	4.0	(2) 2.4
Thence upstream about 2850'	5/2000	60	0.47	4.0	(3) 1.3
Thence upstream about 400'	5/2000	60	0.07	4.0	(4) +0.2
Thence upstream about 930'	5/2000	60	0.15	4.0	(5) 1.3
Thence upstream about 250'	5/2000	60	0.04	4.0	(6) +0.5

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 scattered shoaling to 0.8' within 10' of east limit.
- (2) Except for scattered shoaling to 1.8' within 10' of west, northwest and north limit.
- (3) Except for scattered shoaling to +0.5' within 10' of north, northwest, east and west limit.
- (4) Shoaling is located in west half of channel; 3.0' available in east half of channel.
- (5) Except for scattered shoaling to +0.3' within 10' of northwest, east, southeast, south and north limit.
- (6) Shoaling is located in northwest and west half of channel; 0.4' available in southeast half of channel.

REPORT OF CHANNEL CONDITIONS
FOR CHANNELS LESS THAN 100 FEET WIDE
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PAGE 2 OF 2 PAGES

DATE: FEB 02 2001

TO:

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

RIVER/HARBOR NAME AND STATE Essex River MA.

Dwg. No. ER122, Sheets 1-7 of 7, Dated Jan. 2001

MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			DEPTH AVAILABLE (feet)
		WIDTH (feet)	LENGTH naut. (miles)	DEPTH (Feet) MLLW	
<u>CONDITION SURVEY</u> <u>4-FOOT CHANNEL</u>					
Thence upstream about 380'	5/2000	60	0.06	4.0	(7) 3.4
Thence upstream about 550'	5/2000	60	0.09	4.0	(8) +4.7
Thence upstream about 400'	5/2000	60	0.07	4.0	(9) 3.8
Thence upstream about 985' to limit of Federal Project	5/2000	60 to 155 to 85	0.16	4.0	(10) 0.5

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:

- (7) Except for scattered shoaling to 2.9' within 5' of east limit.
- (8) Obstructions located within 40' of east and south limit, 50' of southeast limit, (they are in Essex Landing Apartment and Tom Shea's rest float system areas).
- (9) Except for scattered shoaling to 1.4' within 5' of south limit.
- (10) Except for scattered shoaling to 0.2' within 10' of east and north limit; Obstructions within 20' of northeast and east limit, (in Essex Marine area), within 25' of south and within 45' of southeast limit, (in Pike Marine area).