

**REPORT OF CHANNEL CONDITIONS  
400 FEET WIDE OR GREATER  
(ER 1130-2-316)**

DATE: **September 14, 2011**

TO:	FROM:
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RIVER/HARBOR NAME AND STATE: Portland Harbor, Portland, Maine Dwg. No. 2679, Sheets 1-6 of 6, Dated 14 September 2011	MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD
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NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<b><u>CONDITION SURVEY</u></b>								
<b><u>45-Foot Channel</u></b>								
From about 1,500' seaward of Buoy R & W GONG PH upstream 8,820' to limit of 45-foot channel (about 340' seaward of Buoy FI G-3)	4/07	1,000 to 1,650	1.45	45.0	45.0	45.0	45.0	45.0
<b><u>45-Foot House Island Anchorage</u></b>								
Northeast of the 45-foot channel and north of House Island	7/05		230 acres	45.0		40.3 <sup>(1)</sup>		
<b><u>35-Foot Channel</u></b>								
Thence upstream 5670' (about 200' upstream from Maine State Pier)	10-11/10	1,650 to 1,265	.93	35.0	30.0 <sup>(2)</sup>	31.3	33.6	33.4 <sup>(3)</sup>
Thence upstream 4,090' (about 630' seaward of the Portland Casco Bay Bridge)	10-11/10	1,265 to 645	.67	35.0	30.8	32.0	32.8	33.0 <sup>(4)</sup>
Thence upstream 920' (about 125' upstream from the Portland Casco Bay Bridge)	10-11/10	645 to 250 to 310	.15	35.0	20.1	35.0	34.9	34.1 <sup>(5)</sup>

**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 39.8' within 10' of east anchorage limit from about 1,000' to 1,200' upstream of Buoy RN-6.
- (2). Except for shoaling to 29.1' within 40' of limit.
- (3). Except for shoaling to 23.4' within 30' of limit in the vicinity of Maine State Pier.
- (4). Except for shoaling to 32.0' within 50' of limit and encroachment of piles and floats within 5' of limit in the vicinity of Chandlers Wharf.
- (5). Except for shoaling to 33.3' within 20' of limit.

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400 FEET WIDE OR GREATER  
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DATE: **September 14, 2011**

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FROM:

RIVER/HARBOR NAME AND STATE: Portland Harbor, Portland, Maine  
Dwg. No. 2679, Sheets 1-6 of 6, Dated 14 September 2011

MINIMUM DEPTHS IN  
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<b><u>CONDITION SURVEY</u></b>								
<b><u>35-Foot Channel</u></b>								
Thence upstream 4,145' (about 60' upstream of Buoy FI G-5)	10-11/10	310 to 400	.68	35.0	(6) 34.0	34.5	33.8	(7) 31.9
Thence upstream 3,145' (about 610' upstream of Buoy FI R-6)	10-11/10	400 to 500 to 300	.52	35.0	30.9	30.9	33.0	32.3
Thence upstream about 380' to upstream end of Federal Navigation Project	10-11/10	190	.06	35.0	33.8	33.9	33.1	33.7
<b><u>35-Foot South Turning Basin</u></b>	10-11/10		11.53 acres	35.0		30.4	available	
<b><u>35-Foot North Turning Basin</u></b>	10-11/10		3.44 acres	35.0		33.9	available	

**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:**

- (6). Except for shoaling to 33.5' within 10' of limit.
- (7). Except for shoaling to 30.3' within 10' of limit.

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

*Mailed  
13:00*

Sept 14, 2007 ✓

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:

Portland Harbor - Portland, ME

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

FOR THE COMMANDER:

*for William Walker*  
STEPHEN A. JOHNSTON  
Chief, Survey Section

2 Enclosures:

1. ENG Form 4020-R
2. Dwg. No. 2632

DISTRIBUTION:

JOHNSTON  
PROOFREAD

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,

Kevin J. Blount Chief, Waterways Management & Marine Information Section – First Coast  
Guard District 1 (oan) - 408 Atlantic Ave. Boston, MA 02110 – 3350

1 copy of drawing, 1 copy of form

## MAINE

U.S. Army Corps of Engineers, LeeAnn B. Neal Maine Project Office, 675 Western Ave. # 3  
Manchester, ME 04351

Kevin Rousseau - Federal Consistency/Dredging Coordination – State Planning Office –  
16 State House Station 38 - Augusta. ME 04333-0016

## PORTSMOUTH HARBOR/PISCATAQUA RIVER

Captain Dick Holt, Portsmouth Pilots, P.O. BOX 72, Portsmouth, NH 03802 - 1 copy of  
drawing, 1 copy of form

**REPORT OF CHANNEL CONDITIONS  
400 FEET WIDE OR GREATER  
(ER 1130-2-316)**

DATE: Sept. 14, 2007

**TO:**

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

RIVER/HARBOR NAME AND STATE: Portland Harbor, Portland, ME.  
Dwg. No. 2632, Sheets 1-2 of 2, Dated 14 September 2007

MINIMUM DEPTHS IN  
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
<b><u>CONDITION SURVEY</u></b>  <b><u>30-Foot Anchorage</u></b>  East of Fish Point (about 1,295' seaward of Buoy FI G-1 upstream about 5,750' to Limit of Approach Channel)	03/06		263 acres	30.0		(1) 25.0	South Portion	
						(2) 20.0	North Portion	
<b><u>30-Foot Approach Channel</u></b>  Thence upstream about 2,515' to the vicinity of Buoy RN-6	03/06	885 to 665 to 300 to 400 to 300	.41	30.0	(3) 15.3	(3) 14.9	(3) 14.9	(3) 14.8

**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 23.8' within about 250' of west anchorage limit from about 100' seaward to about 400' upstream of Buoy FI G-1 in the vicinity of Fish Point.
- (2). Except for shoaling to 19.3' within 150' along north anchorage limit from about 300' to 1,400' upstream of Buoy RN-4.
- (3). Survey portion of Approach Channel in about 2,515' upstream from the northern end of the 30-foot Anchorage; for continuation of survey see Drawing No. 2553.

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

*mailed out  
11.30 am  
✓*

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

JAN 23 2004

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:

Portland Harbor (Back Cove), ME

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

FOR THE COMMANDER:

2 Enclosures  
1. ENG Form 4020-R  
2. Dwg. No. 2553

STEPHEN A. JOHNSTON  
Chief, Survey Section



JOHNSTON  
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 District 1(oan), 408 Atlantic Avenue, Boston, MA 02210-3350 - 4 copies of drawing, 4  
copies of form

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

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

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

## MAINE

Mr. Robert D. Elder, Director, Office of Freight Transportation, Child Street, 16 State House Station, Augusta, ME 04333-0016 - 1 copy of drawing, 1 copy of form

U.S. Army Corps of Engineers, LeeAnn B. Neal Maine Project Office, 675 Western Ave. # 3  
Manchester, ME 04351

Federal Consistency/Dredging Coordination – State Planning Office – State House Station 38  
Augusta. ME 04333

US Coast Guard – Clark Point Road – P.O. Box 5000 - Southwest Harbor, ME 04679

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

DATE:

TO:

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

RIVER/HARBOR NAME AND STATE: Back Cove, Portland Harbor, ME  
 Dwg. No. 2553, Sheets 1 & 2 of 2, Dated 22, January 2004

MINIMUM DEPTHS IN  
 CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)			
<p><b><u>CONDITION SURVEY</u></b>  <b><u>30-Foot Approach Channel</u></b></p> <p>From about 210' seaward of Buoy GC-5 upstream 2,620' (about 445' upstream of Buoy RN-8).</p>	5/00	500' To 300'	.43	30'	21.0 (1)	19.0 (2)	18.3
<p><b><u>14-Foot Federal Channel</u></b></p> <p>From about 180' seaward of center line of Railroad Bridge upstream 310'.</p>	5/00	50'	.05	14'		7.5	
<p>Thence upstream 1,490' to end of 14 foot channel.</p>	5/00	300'	.25	14'	6.0 (3)	13.2	13.5
<p><b><u>12-Foot Federal Channel</u></b></p> <p>From about 210' seaward of center line of fixed Bridge upstream 2100' to end of Federal Navigation Project.</p>	5/00	300'	.35	12'	8.3 (4)	3.5	3.0

**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 12.9' from vicinity of Buoy RN-8 upstream 450' to end of 30' channel.
- (2). Except for shoaling to 15.5' from about 180' upstream from Buoy RN-8 upstream 260' to end of 30' channel.
- (3) Shoaling is located from about 520' to 720' upstream of Railroad Bridge, 12.9' available elsewhere.
- (4) Except for shoaling to 4.4' in last 300' of Federal navigation project.