

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-520)**

PAGE 1 OF 4 PAGES

DATE: **April 20, 2011**

TO:	FROM:
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RIVER/HARBOR NAME AND STATE: Rockland Harbor, Rockland, ME Dwg. No. 2672, Sheets 1-2 of 2, Dated 20 April 2011	MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD
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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)			
<u>CONDITION SURVEY</u>							
<u>18-Foot Entrance Channel</u>							
From about 570' seaward of Buoy FI R-4 upstream about 500' to confluence (about 65' seaward of Buoy FI R-4)	1/08	200	.08	18.0	18.0	(1) 17.6	(2) 18.0
<u>18-Foot Confluence Area</u>							
From about 65' seaward and 270' upstream in north-westerly direction and 360' upstream in a southwesterly direction from Buoy FI R-4	1/08	300x435	3.2 acres	18.0		17.9 Available	
<u>18-Foot Southwest Channel</u>							
From about 60' seaward of Buoy GC-1 upstream 870' (about 30' seaward of Buoy GC-3)	1/08	100	.14	18.0	16.2	16.2	15.3

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). Isolated shoal 70' upstream from beginning of entrance channel.
- (2). Except for shoaling to 17.4' within 5' of channel limit.

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		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)			
<p><u>CONDITION SURVEY</u></p> <p><u>14-Foot Southwest Channel</u></p> <p>From about 40' seaward of Buoy GC-3 upstream 830' (about 30' seaward of Buoy YN-A)</p>	1/08	100	.14	14.0	14.0	13.9	(3) 12.1
<p><u>14-Foot Turning Basin</u></p> <p>From about 30' seaward of Buoy YN-A upstream 300' to upstream limit of basin</p>	1/08	200x300	1.3 acre	14.0		(4) 14.0	
<p><u>18-Foot Spur Channel</u></p> <p>From about 280' upstream of Buoy FI R-4 upstream about 420'</p>	1/08	Varies to 150	.07	18.0	17.5	(5) 17.8	(6) 17.2
<p><u>14-Foot Spur Channel</u></p> <p>From about 710' upstream of Buoy FI R-4 upstream 450' to upstream limit of channel</p>	1/08	150	.07	14.0	(7) 10.5	12.1	13.2

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FOOT NOTES:

- (3). Except for shoaling to 9.6' along channel limit approximately 250' upstream from Buoy GC-3.
- (4). Except for shoaling to 13.1' within 5' of basin limits.
- (5). Except for shoaling to 15.4' within the last 50' of the 18' spur channel.
- (6). Except for shoaling to 15.5' within 10' of the north and west channel limits.
- (7). Except for shoaling to 9.8' within 10' of channel limit.

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Dwg. No. 2672, Sheets 1-2 of 2, Dated 20 April 2011

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)			
<u>CONDITION SURVEY</u>							
<u>14-Foot Channel</u>							
From about 240' seaward of Buoy RN-2 upstream 1,590' to Buoy RN-8	1/08	150 (varies)	.26	14.0	14.0	14.0	(8) 13.6
Thence upstream 850' to Buoy GC-3 at entrance to Lermond Cove Turning Basin	1/08	(varies) to 150	.14	14.0	12.6	12.7	(9) 11.0
<u>14-Foot Lermond Cove Turning Basin</u>							
From Buoy GC-3 upstream 770' to upstream limit of basin	1/08	200		14.0		(10) 12.1	
<u>14-Foot North Channel</u>							
From about 70' seaward of Buoy G & R upstream 1,250' to about 10' upstream of Buoy RN-12	1/08	100	.21	14.0	(11) 14.0	13.4	14.0

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:

- (8). Except for shoaling to 11.4' within 5' along east channel limit.
- (9). Except for shoaling to 7.9' within 15' of channel limit.
- (10). Except for shoaling to 7.9' within 210' of the northwest basin limit and shoaling to 6.0' within 30 feet of basin limits.
- (11). Except for shoaling to 12.1' within 10' of channel limit.

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<p><u>CONDITION SURVEY</u></p> <p><u>14-Foot North Turning Basin</u></p> <p>From about 10' upstream of Buoy RN-12 upstream 490' to limit of basin</p>	1/08	250x490	2.0 acres	14.0		14.0 Available	

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FOOT NOTES: