

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

DATE: **April 7, 2011**

TO:	FROM:
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RIVER/HARBOR NAME AND STATE: Kennebec River, Richmond to Gardiner, Maine Dwg. No. 2667, Sheets 1-17 of 17, Dated 7 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>17-Foot Channel</u>							
From the centerline of Swing Richmond-Dresden (Route 197) Bridge upstream about 190'	7-10/09	145	.03	17.0	17.0	16.2	16.6
Thence upstream 3,730'	7-10/09	150	.61	17.0	17.0	17.0	17.0
Thence upstream 400'	7-10/09	150	.07	17.0	15.7	15.9	15.9
Thence upstream 890'	7-10/09	150	.15	17.0	17.0	17.0	17.0
Thence upstream 3,510'	7-10/09 & 6/10	150	.58	17.0	11.3	11.4	11.4
Thence upstream 760'	7-10/09	150	.13	17.0	17.0	17.0	17.0
Thence upstream 1,670'	7-10/09	150	.27	17.0	12.8	13.0	13.5
Thence upstream 1,275'	7-10/09	150	.21	17.0	17.0	17.0	17.0
Thence upstream 1,100'	7-10/09	150	.18	17.0	14.4	14.1	14.0
Thence upstream 640'	7-10/09	150	.11	17.0	17.0	17.0	17.0
Thence upstream 3,145' (about 80' seaward of Buoy GRC)	7-10/09 & 6/10	150	.52	17.0	14.2	14.6	14.4

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:

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		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)			
<u>CONDITION SURVEY</u>							
<u>17-Foot Channel</u>							
Thence upstream 1,125'	7-10/09	150	.19	17.0	17.0	17.0	17.0
<u>16.5-Foot Channel</u>							
Thence upstream 650'	7-10/09	150	.11	16.5	16.5	16.5	16.5
Thence upstream 4,050'	7-10/09	150	.67	16.5	12.0	12.3	12.8
Thence upstream 800'	7-10/09 & 6/10	150	.13	16.5	16.5	16.5	16.5
Thence upstream 1,930'	7-10/09 & 6/10	150	.32	16.5	14.4	13.3	13.2
Thence upstream 1,025'	7-10/09 & 6/10	150	.17	16.5	(1) 16.1	16.5	16.5
Thence upstream 3,250' to Buoy RN-38	7-10/09	150	.53	16.5	(2) 14.4	14.0	12.8
Thence upstream 5,290' to Buoy RN-40	7-10/09 & 6/10	150 to 200 to 150	.87	16.5	9.7	9.9	10.2
Thence upstream 1,025'	7-10/09 & 6/10	150	.17	16.5	13.3	13.8	10.0

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FOOT NOTES:

- (1). Except for shoaling to 12.7' within 10' along west limit.
- (2). Except for shoaling to 12.3' within 15' along west limit.

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<u>CONDITION SURVEY</u>							
<u>16.5-Foot Channel</u>							
Thence upstream 2,300'	7-10/09	150 to 175 to 150	.38	16.5	12.8	13.2	11.6
Thence upstream 2,380'	7-10/09	150	.39	16.5	12.0	11.9	11.6
Thence upstream 1,425'	7-10/09	150	.23	16.5	16.3	(3) 13.8	(4) 14.5
Thence upstream 1,380'	7-10/09	150	.23	16.5	(5) 13.3	14.5	14.3
<u>16-Foot Channel</u>							
Thence upstream 6,000' (about 660' upstream of Buoy RN-44)	7-10/09	150	.99	16.0	(6) 16.0	16.0	(7) 16.0
Thence upstream 940'	7-10/09	150	.15	16.0	14.2	15.1	(8) 14.5

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FOOT NOTES:

- (3). Isolated shoal located about 1,400' seaward of Buoy RN-42; 16.5' available elsewhere.
- (4). Isolated shoal located about 1,375' seaward of Buoy RN-42; 15.9' available elsewhere.
- (5). Except for shoaling to 10.7' within 15' along west limit.
- (6). Except for shoaling to 15.8' within 15' along west limit from about 3,000' to about 3,050' seaward of Buoy RN-44.
- (7). Except for shoaling to 15.7' within 15' along east limit from about 3,255' to about 3,380' seaward of Buoy RN-44.
- (8). Except for shoaling to 12.8' within 10' along east limit.