

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER (ER 1130-2-306)						PAGE 1 OF 2		
						DATE 7 June 2013		
TO: The Record				FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090				
RIVER/HARBOR NAME AND STATE: New York and New Jersey Channels, Outerbridge Reach to Gulfport Reach					MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (n miles)	DEPTH (feet)				
<b>Outerbridge Reach (Reach M) (Partial):</b> Begins approximately 650 feet seaward of Outerbridge Crossing and extends to approximately GREEN LIGHTED #5 FLOOD	Map 1354, Pg 2 – 4 of 18; 28, 29 Jan, 4-7, 12-14, 19-21, 25-28 Feb, 1 Mar 2013	600	0.88	35	31.4	35.1	36.1	34.0
<b>Port Secony Reach (Reach L):</b> Begins approximately at GREEN LIGHTED #5 FLOOD and extends to a point approximately 75 feet landward of GREEN LIGHTED #11 EBB	Map 1354, Pg 4 - 5 of 18; 28, 29 Jan, 4-7, 12-14, 19-21, 25-28 Feb, 1 Mar 2013	600 - 800	0.81	35	30.8	33.0	33.6	30.3
<b>Port Reading Reach (Reach K):</b> Begins at a point approximately 75 feet landward of GREEN LIGHTED #11 EBB and extends to approximately 100 feet landward of GREEN LIGHTED #21 FLOOD	Map 1354, Pg 5 - 9 of 18; 28, 29 Jan, 4-7, 12-14, 19-21, 25-28 Feb, 1 Mar 2013	500 – 850	1.84	35	25.1	34.3	34.3	23.6
<b>Fresh Kills Reach (Reach J):</b> Begins at approximately 100 feet landward of GREEN LIGHTED #21 FLOOD and extends to a point approximately 55 feet seaward of RED LIGHTED #30 FLOOD	Map 1354, Pg 9 – 12 of 18; 28, 29 Jan, 4-7, 12-14, 19-21, 25-28 Feb, 1 Mar 2013	500	1.66	35	30.0	34.6	35.3	33.2
<b>Tremley Point Reach (Reach I):</b> Begins approximately 55 feet seaward of RED LIGHTED #30 FLOOD and extends to a point approximately 50 feet landward of RED LIGHTED #36 EBB	Map 1354, Pg 12 – 14 of 18; 28, 29 Jan, 4-7, 12-14, 19-21, 25-28 Feb, 1 Mar 2013	500	0.85	35	29.9	36.7	36.6	33.4
<b>Pralls Island Reach (Reach H):</b> Begins at a point approximately 50 feet landward of RED LIGHTED #36 EBB and extends to a point approximately 1580 feet seaward of GREEN LIGHTED #43 EBB	Map 1354, Pg 14 – 16 of 18; 28, 29 Jan, 4-7, 12-14, 19-21, 25-28 Feb, 1 Mar 2013	500	1.14	35	30.4	34.4	35.9	28.2
<b>Gulfport Reach (Reach G)(Partial):</b> Begins at a point approximately 1580 feet seaward of RED LIGHTED #36 FLOOD and extends to a point approximately 210 feet seaward of the Staten Island R.R./Conrail Bridge	Map 1354, Pg 16 – 18 of 18; 28, 29 Jan, 4-7, 12-14, 19-21, 25-28 Feb, 1 Mar 2013	600 – 500	1.21	35	28.8	36.9	37.0	29.4

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<b>TO:</b> The Record	<b>FROM:</b> U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090	
<b>REMARKS:</b> <ul style="list-style-type: none"> <li>• All depths in Mean Low Water (MLW).</li> <li>• Channel length is in nautical miles</li> </ul> <p>Channel Shoaling:</p> <ul style="list-style-type: none"> <li>• <b>Outerbridge Reach (Reach M) (Partial):</b> <ul style="list-style-type: none"> <li>- A shoal approximately 1,120 feet in length is present in the Left Outside Quarter beginning approximately 200 feet landward of the Outerbridge Crossing. Scattered minor shoaling exists along the Right Outside channel of the reach.</li> </ul> </li> <li>• <b>Port Secony Reach (Reach L):</b> <ul style="list-style-type: none"> <li>- There exists a shoal approximately 2,300 feet in length in the Left Outside Quarter, beginning approximately 400 feet landward of RED NUN #8 EBB and continuing approximately 250 feet landward beyond the reach. Part of the shoal extends into the Left Inside Quarter at approximately RED LIGHTED #10 FLOOD.</li> <li>- Shoaling is present on the toe of the Right Outside Quarter. A shoal with approximately 900 feet in length beginning approximately 200 feet seaward of RED NUN #8 EBB is also present. A third shoal, approximately 1,300 ft in length, starts at a point approximately 390 feet landward of RED LIGHTED #10 FLOOD and continues landward along the Right Outside Quarter for a distance of approximately 2,560 feet beyond the end of this reach, in the approximate vicinity of RED NUN #14A FLOOD. The maximum width of the third shoal within this reach is approximately 250 feet as it extends into the Right Inside Quarter.</li> </ul> </li> <li>• <b>Port Reading Reach (Reach K):</b> <ul style="list-style-type: none"> <li>- An extension of a shoal, approximately 150 ft wide by 250 feet long, from the previous reach exists in the Left Outside Quarter.</li> <li>- Sporadic shoaling occurs along the channel edge of the Left Outside Quarter.</li> <li>- Minor spot shoaling exists at the end of the reach in the Left Inside Quarter.</li> <li>- An extension of a shoal, approximately 2,560 feet long by 150 feet wide, from the previous reach exists in the Right Outside Quarter and part of the Right Inside Quarter.</li> <li>- A shoal, approximately 3,200 feet, exists in the Right Outside Quarter, beginning approximately at RED NUN #14A FLOOD.</li> <li>- Sporadic minor shoaling exists in the Right Outside Quarter beginning landward of RED NUN #18 EBB until the end of the reach.</li> </ul> </li> <li>• <b>Fresh Kills Reach (Reach J):</b> <ul style="list-style-type: none"> <li>- There is shoaling in the Left Outside Quarter for approximately the 2,700 feet beginning 100 feet landward of GREEN LIGHTED #21 FLOOD. Sporadic shoaling exists in the Left Outside Quarter for the remainder of the reach.</li> <li>- Minor spot shoaling exists in the Left Inside Quarter at the beginning of the reach.</li> <li>- Edge shoaling is present along the Right Outside Quarter beginning approximately 1,275 feet landward of RED LIGHTED #24 FLOOD until the end of the reach</li> </ul> </li> <li>• <b>Tremley Point Reach (Reach I):</b> <ul style="list-style-type: none"> <li>- Sporadic shoaling exists along the Left Outside Quarter.</li> </ul> </li> <li>• <b>Pralls Island Reach (Reach H):</b> <ul style="list-style-type: none"> <li>- There is minor spot shoaling in the Left Outside and Left Inside Quarters at approximately 300 feet landward of RED LIGHTED #36 EBB.</li> <li>- There is minor shoaling approximately 680 feet in length beginning approximately 300 feet landward of RED LIGHTED #38 EBB in the Right Outside Quarter.</li> <li>- Shoaling occurs in the Right Outside Quarter of the reach with a length of approximately 730 feet beginning approximately 500 feet landward of RED LIGHT #36 EBB. A second shoal, beginning approximately 420 feet landward to RED LIGHTED #38 EBB, exists with a length of approximately 740 feet.</li> </ul> </li> <li>• <b>Gulfport Reach (Reach G) (Partial):</b> <ul style="list-style-type: none"> <li>- Edge shoaling exists at the beginning of the reach in the Left Outside Quarter to 300 feet landward of GREEN LIGHTED #43 EBB.</li> <li>- Edge shoaling with a maximum width of approximately 70 feet exists in the Right Outside Quarter along the channel edge.</li> </ul> </li> </ul>		