

**REPORT OF CHANNEL CONDITIONS  
100 TO 400 FEET WIDE**

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**DATE 02 JUN 2016**

**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, Perth Amboy Anchorage and Ward Point  
Secondary Channel, NY and NJ

**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)	AREA (acres)	DEPTH (feet)			
<b>Reach U (Perth Amboy Anchorage) Area No. 1:</b> Irregular trapezoid bounded approximately by GREEN CAN #3 EBB, YELLOW CAN B EBB and the Ward Point Bend West Reach	Map 1386, Sheet 1 of 2; 18,19,21,26 Apr 2016	Irregular	154.2	37		26.2	
<b>Reach U (Perth Amboy Anchorage) Area No. 2:</b> Irregular trapezoid approximately bounded by YELLOW CAN B EBB, YELLOW CAN A EBB, RED-GREEN JUNCTION BUOY "W" EBB & GREEN LIGHT #53 EBB	Map 1386, Sheets 1 & 2 of 2; 18,19,21,26 Apr 2016	Irregular	52.3	25		18.5	
<b>Reach U (Perth Amboy Anchorage) Area No. 3:</b> Widening commencing approximately 370 feet west of GREEN CAN#55 EBB and continuing to Ward Point Bend East Reach	Map 1386, Sheet 1 of 2; 18,19,21,26 Apr 2016	Irregular	1.7	35		39.4	
<b>Reach U (Perth Amboy Anchorage) Area No. 4:</b> Widening commencing approximately 115 feet south of FIXED AID "DAY MARK # 1" LIGHTED and continuing to Ward Point Bend West Reach	Map 1386, Sheet 1 of 2; 18,19,21,26 Apr 2016	Irregular	8.2	35		34.8	

**REMARKS:**

- All reported depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach areas are in acres.

**NY & NJ CHANNELS - PERTH AMBOY ANCHORAGE**

- **Reach U (Perth Amboy Anchorage) Area No. 1** (37 ft. project) – Shoaling exist along the entire southwestern boundary of the anchorage from GREEN CAN #3 EBB to YELLOW CAN B EBB and extends approximately 600 feet toward the Ward Point reach. Sporadic spot shoaling exists along the northwestern boundary of the anchorage from FIXED AID "DAY MARK # 1" LIGHTED to the Ward Point Reach and extends approximately 1,200 feet seaward.
- **Reach U (Perth Amboy Anchorage) Area No. 2** (25 ft. project) – Shoaling exists in the southern portion of Area No. 2 commencing approximately 80 feet east of YELLOW CAN B and continues to approximately 1180 feet east of YELLOW CAN A EBB having a maximum width of approximately 760 feet. Intermittent spot shoaling exists in the approximate center of the reach, from approximately 1,230 to 1,640 feet east of YELLOW CAN A EBB. Shoaling having a maximum width of approximately 125 feet exists along the toe of the anchorage from approximately 1,420 to 1,930 feet east of YELLOW CAN A EBB.
- **Reach U (Perth Amboy Anchorage) Area No. 3** (35 ft. project) – No shoaling exists in Area No. 3.
- **Reach U (Perth Amboy Anchorage) Area No. 4** (35 ft. project) – A spot shoal exists approximately 1,280 feet northeast of FIXED AID "DAY MARK # 1" LIGHTED.

**REPORT OF CHANNEL CONDITIONS  
(FOR CHANNELS 400 FEET WIDE OR GREATER)**

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**RIVER/HARBOR NAME AND STATE:**  
New York and New Jersey Channels, Perth Amboy Anchorage and Ward Point  
Secondary Channel, NY and NJ

**MINIMUM DEPTHS IN EACH ¼ WIDTH OF  
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 (nmiles)	DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<b>Reach T (Ward Point Secondary Channel):</b> From junction with the Ward Point Bend East Reach at approximate location of GREEN & RED CAN #E EBB to junction with the Perth Amboy Anchorage, approximately 820 feet northwest of RED NUN #6 EBB.	Map 1386, Sheets 1 & 2 of 2; 18,19,21,26 Apr 2016	400	0.83	30	18.7	18.7	18.6	18.6

**REMARKS:**

- All reported depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.

**NY & NJ CHANNELS - WARD POINT SECONDARY CHANNEL**

- **Reach T (Ward Point Secondary Channel)** – Shoaling begins along the Left Outside Quarter of the channel, approximately 30 landward of GREEN CAN #1 EBB and extends into the Left Inside Quarter of the channel. Shoaling in the Right Outside Quarter of the channel begins approximately 250 feet landward of GREEN & RED CAN #E EBB and continues landward for approximately 590 feet. Shoaling thence re-emerges into the Right Outside/Right Inside Quarters at a point approximately 90 feet northwest of RED NUN #4 EBB, and widens to a full channel width shoal when it joins the Left Outside/Left Inside Quarter shoal at the approximate location of the DAY MARKER. This full channel width shoal continues landward for approximately 2,300 feet to a point approximately 300 feet before the end of reach. At this point, approximately 300 feet before the end of the reach, project depth becomes available for the remainder of the reach.

