

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE					PAGE 1 OF 2		
					DATE 25 Jun 2015		
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 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)			
Reach U Area No. 1 Irregular trapezoid bounded approximately by GREEN CAN #3 EBB, YELLOW CAN B EBB and the Ward Point Bend West Reach	Map 1378, Sheet 1 of 2; 2, 3, 6, 7 Apr 2015	Irregular	154.2	37	26.6		
Reach U Area No. 2 Irregular trapezoid approximately bounded by YELLOW CAN B EBB, YELLOW CAN A EBB, RED-GREEN JUNCTION BUOY "W" EBB & GREEN LIGHT #53 EBB	Map 1378, Sheet 1 of 2; 2, 3, 6, 7 Apr 2015	Irregular	52.0	25	18.8		
Reach U Area No. 3 Widening commencing approximately 930 feet west of RED-GREEN JUNCTION BUOY "W" EBB and continuing to Ward Point Bend East Reach	Map 1378, Sheet 1 of 2; 2, 3, 6, 7 Apr 2015	Irregular	1.7	35	40.0		
Reach U Area No. 4 Widening commencing approximately 670 feet east of FIXED AID "DAY MARK # 1" LIGHTED and continuing to Ward Point Bend West Reach	Map 1378, Sheet 1 of 2; 2, 3, 6, 7 Apr 2015	Irregular	8.2	35	34.6		

REMARKS:

- All depths are relative to Mean Lower Low Water datum.
- Channel reach areas are in acres.
- Reach U Area No. 1** (37 ft. project) – Shoaling with a width of approximately 600 feet extending toward the main channel from the toe of the channel commences at approximate location of GREEN CAN #3 EBB and continues seaward to the approximate location of YELLOW CAN B EBB. A spot shoal exists approximately 390 feet southeast of FIXED AID "DAY MARK # 1" LIGHTED then again approximately 1100 feet southeast of the same marker. Another spot shoal also exists approximately 500 feet east of FIXED AID "DAY MARK # 1" LIGHTED then again approximately 1,070 feet east of the same marker. Shoaling exists in the northeast region of this reach beginning approximately 1,050 feet northeast of FIXED AID "DAY MARK # 1" LIGHTED and continues east for approximately 50 feet with a width of approximately 40 feet.
- Reach U 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 1190 feet east of YELLOW CAN A EBB with a maximum width of approximately 680 feet. Intermittent spot shoaling with a maximum width of approximately 100 feet exists from approximately 1200 to 1300 feet east of YELLOW CAN A EBB. Shoaling with a maximum width of approximately 80 feet exists along the toe of the channel from approximately 1450 to 1900 feet east of YELLOW CAN A EBB.
- Reach U Area No. 3** (35 ft. project) – No shoaling exists in Area No. 3.
- Reach U Area No. 4** (35 ft. project) – Shoaling exists adjacent to the Ward Point Bend West Reach approximately 1,250 feet northeast of FIXED AID "DAY MARK # 1" LIGHTED and continues north for approximately 50 feet. A spot shoal exists approximately 1,280 feet northeast of FIXED AID "DAY MARK # 1" LIGHTED

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RIVER/HARBOR NAME AND STATE: New York and New Jersey Channels, Perth Amboy Anchorage and Secondary Channel, NJ – Secondary Channel	MINIMUM DEPTHS IN EACH ¼ WIDTH OF 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 (nmiles)	DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
Reach T 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 825 feet northwest of RED NUN #6 EBB.	Map 1378, Sheet 2 of 2; 2, 3, 6, 7 Apr 2015	400	0.83	30	19.0	19.0	18.9	18.9

REMARKS:

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

- **Reach T** – Shoaling starts along the left outside quarter (LOQ) approximately 30 south of GREEN CAN #1 EBB and expands into the left inside quarter. A shoal in the right outside quarter starts at approximately 250 feet south of GREEN and RED CAN #E EBB and continues southward for 580 feet and re-emerges into the right outside/inside quarters at approximately 120 feet west of RED NUN #4 EBB and widens to a full channel width shoal (in combination with the left outside/inside quarters shoal) at DAY MARKER and continues westward for approximately 2,300 feet (200 feet before the end of Reach T).