

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE						PAGE	1	OF	2	
						DATE	3 August 2018			
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: MAMARONECK HARBOR, NEW YORK					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 (nmiles)	DEPTH (feet)						
Reach A: Begins approximately 390 feet seaward of GREEN LIGHTED #5 FLOOD and ends approximately 440 feet seaward of RED LIGHTED #10 FLOOD.	File No. 50 Pg. 1 of 6; 3, 5, 9-11, 17 April 2018	100	0.27	10	8.6	8.6	8.6			
Reach B: Begins approximately 440 feet seaward of RED LIGHTED #10 and ends approximately 100 feet landward of GREEN CAN #7 FLOOD.	File No. 50 Pg. 1 & 2 of 6; 3, 5, 9-11, 17 April 2018	100	0.12	10	8.6	8.8	8.9			
Reach F: Irregular shaped anchorage area beginning at the end of Reach E and continues for approximately 1,200 feet.	File No. 50 Pg. 4 of 6; 3, 5, 9-11, 17 April 2018	Irregular	8.78 acres	6	7.7					
Reach G: Irregular shaped anchorage area beginning approximately 160 feet landward of RED NUN #16 EBB and continues landward along Reach C for approximately 720 feet.	File No. 50 Pg. 5 & 6 of 6; 3, 5, 9-11, 17 April 2018	Irregular	2.55 acres	10	8.5					
Reach H: Irregular shaped anchorage area beginning approximately 55 feet landward of RED NUN #16 EBB and continues landward for approximately 1,450 feet.	File No. 50 Pg. 5 & 6 of 6; 3, 5, 9-11, 17 April 2018	Irregular	12.16 acres	6	+0.2					
REPORT OF CHANNEL CONDITIONS < 100 FEET WIDE										
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			80% OF CHANNEL WIDTH (feet)					
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)						
Reach B: Begins approximately 100 feet landward of GREEN CAN #7 FLOOD and ends approximately 300 feet landward of the CONCRETE PIER.	File No. 50 Pg. 2 & 3 of 6; 3, 5, 9-11, 17 April 2018	80	0.21	10	9.7					
Reach C: Begins approximately 300 feet landward of the CONCRETE PIER and ends approximately 875 feet landward of RED NUN #16 EBB.	File No. 50 Pg. 3, 5, & 6 of 6; 3, 5, 9- 11, 17 April 2018	80	0.45	10	6.6					
Reach E: Begins approximately 340 feet landward from the CONCRETE PIER and ends approximately 1,200 feet from the end of the West Basin Anchorage.	File No. 50 Pg. 3 & 4 of 6; 3, 5, 9-11, 17 April 2018	80	0.29	6	7.8					

REMARKS:

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

MAMARONECK HARBOR:

- **Reach A:** Shoaling exists across the entire channel width commencing at the approximate location of GREEN LIGHTED #5 FLOOD and continues until the end of the reach, approximately 1,215 feet landward. The controlling depth of -8.6 feet MLLW exists in the Right Outside Quarter, Middle Half, and the Left Outside Quarter intermittently at approximately 165 feet from the landward terminus of this reach and continues 190 feet seaward.
- **Reach B:** Shoaling exists across the entire channel width commencing at the seaward terminus of the reach and continues approximately 775 feet landward. The controlling depth of -8.6 feet MLLW exists in the Left Outside Quarter at approximately 460 feet from GREEN CAN #7 FLOOD.
- **Reach C:** Shoaling commences in the Right Outside 10% beginning approximately 130 feet from the seaward terminus of the reach, gradually widening across the entire channel width and continues for approximately 115 feet. Thence, this shoal tapers to the Right Outside 10% for approximately 165 feet. Shoaling exists in the Right Outside 10% commencing at 130 feet seaward from RED NUN #14 EBB and continues 655 feet seaward with a maximum width of 40 feet. Shoaling exists across the entire channel commencing at the landward terminus of this reach and reduces to the center of the Middle 80% as shoaling continues approximately 1,960 feet seaward. The controlling depth of -6.6 feet MLLW exists in the Middle 80% at the landward terminus of the reach.
- **Reach E:** No shoaling exists within this reach. The controlling depth of -7.8 feet MLLW exists in the Middle 80% at approximately 970 feet from the seaward terminus of the reach.
- **Reach F:** No shoaling exists within this reach. The controlling depth of -7.7 feet MLLW exists along the southern boundary at approximately 530 feet from the seaward terminus of the reach.
- **Reach G:** Shoaling exists across the majority of the anchorage area commencing approximately 10 feet from the southeastern boundary of the reach and continues approximately 635 feet landward with a maximum width of 235 feet. The controlling depth of -8.5 feet MLLW exists at approximately 300 feet from the southeastern boundary of the reach.
- **Reach H:** Shoaling exists along the northeastern boundary of the anchorage, closest to Stony Creek, and continues approximately 270 feet seaward with a maximum width of 100 feet. Another shoal exists at approximately 260 feet landward from the channel toe closest to Stony Creek and continues for approximately 125 feet with a maximum width of 20 feet. The controlling depth of +0.2 feet MLLW exists at approximately 15 feet from the channel toe closest to Stony Creek.