

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-306)					PAGE	1	OF	2
					DATE	June 21, 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: 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)				
<b>Reach A:</b> Channel starts approximately 235 ft seaward from Green Buoy #5 and ends about 140 ft landward from Green Can #7.	Map 45 Pg 1 of 6 ; 20-22 May 2013	100	0.28	10	9.3	9.4	9.3	
<b>Reach B:</b> Channel begins approximately 140 ft landward from Green Can #7 and ends at approximately 300 ft landward from Green Can #7	Map 45 Pg 1 & 2 of 6; 20-22 May 2013	100	0.05	10	9.4	9.7	9.8	
<b>Reach F:</b> Irregular shaped anchorage area beginning at the end of Reach E and continues for approximately 1200 feet.	Map 45 Pg 4 of 6; 20-22 May 2013	Irregular	8.69 acres	6	8.6			
<b>Reach G:</b> Irregular shaped anchorage area beginning approximately 500 ft landward from Red Nun 14 and continues landward along Reach C for approximately 650 feet.	Map 45 Pg 6 of 6 ; 20-22 May 2013	Irregular	2.55 acres	10	9.4			
<b>Reach H:</b> Irregular shaped anchorage area beginning approximately 400 ft landward from Red Nun 14 and continues landward for approximately 1,400 feet.	Map 45 Pg 5 & 6 of 6; 20-22 May 2013	Irregular	12.04 acres	6	+0.3			
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)				
<b>Reach B:</b> Channel begins approximately 300 ft landward from Green Can #7 and ends approximately 140 ft landward from Red Nun #12.	Map 45 Pg 2 & 3, 20-22 May 2013	80	0.22	10	10.3			
<b>Reach C:</b> Channel begins at the Junction Buoy and extends landward approximately 2,600 ft	Map 45 Pg 3, 5 & 6 of 6; 20-22 May 2013	80	0.43	10	8.5			
<b>Reach E:</b> Channel begins at the Junction Buoy and ends approximately 1,200 ft from the end of the West Basin Anchorage.	Map 45 Pg 3 & 4 of 6; 20-22 May 2013	80	0.3	6	8.6			

**REMARKS:**

- All depths are in reference to Mean Lower Low Water (project originally authorized to Mean Low Water).
- Channel length is in nautical miles.
- Anchorage size is in acres.

**MAMARONECK HARBOR:**

- **Reach A** Shoaling commences 380 ft landward from Green Buoy #5 extending across the width of the reach for about 950 ft and tapers off to the left quarter of the channel for the remainder of the reach. The minimum depth for the reach is of 9.3 ft.
- **Reach B** Channel wide shoaling starts at the beginning of the reach and continues for 250 ft. Left outside quarter shoaling continues for another 250 ft.
- **Reach C** Shoaling starts about 300 ft seaward from Green Can 9 and continues primarily along both outer edges of the reach – and intermittently extends into the middle of the channel- for about 775 ft. Shoaling then extends across the channel width approximately 125 ft landward of Red Nun #16 and then continues across the left half of the channel for the remainder of the reach. The minimum depth for the reach is 8.5 ft.
- **Reach E** No shoaling exists in this reach.
- **Reach F** No shoaling exists in this reach.
- **Reach G** Shoaling occurs at the center of the basin and along the border with Reach C. The minimum depth for the basin is 9.4 ft.
- **Reach H** Shoaling occurs across the width of the basin, in the northeastern corner, for about 220 ft from the tip of the basin. The minimum depth for the basin is +0.3 ft.