REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE *(ER 1130-2-306)*	PAGE 1 OF 2 DATE June 15, 2011
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

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD		
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)	LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
Reach A: Channel starts approximately 235 ft seaward from Green Buoy #5 and ends about 140 ft landward from Green Can #7.	Map 44 Pg 1 & 2, 18 & 20 Apr. 2 & 3 May 2011	100	0.28	10	8.9	8.9	8.8
Reach B: Channel begins approximately 140 ft landward from Green Can #7 and ends at approximately 300 ft landward from Green Can #7	Map 44 Pg 2 of 6; 18 & 20 Apr. 2 & 3 May 2011	100	0.05	10	9.8	9.9	9.8
Reach F: Irregular shaped anchorage area beginning at the end of Reach E and continues for approximately 1200 feet.	Map 44 Pg 4 of 6; 18 & 20 Apr. 2 & 3 May 2011	Irregular	8.69 acres	6	8.0		
Reach G: Irregular shaped anchorage area beginning approximately 500 ft landward from Red Nun 14 and continues landward along Reach C for approximately 650 feet.	Map 44 Pg 5 & 6 of 6 ;18 & 20 Apr. 2 & 3 May 2011	Irregular	2.55 acres	10	9.0		
Reach H: Irregular shaped anchorage area beginning approximately 400 ft landward from Red Nun 14 and continues landward for approximately 1,400 feet.	Map 44 Pg 5 & 6 of 6; 18 & 20 Apr. 2 & 3 May 2011	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)			
Reach B: Channel begins approximately 300 ft landward from Green Can #7 and ends approximately 140 ft landward from Red Nun #12.	Map 44 Pg 2 & 3, 18 & 20 Apr. 2 & 3 May 2011	80	0.22	10		9.8	
Reach C: Channel begins at the Junction Bouy and extends landward approximately 2,600 ft	Map 44 Pg 3, 5 & 6 of 6; 18 & 20 Apr. 2 & 3 May 2011	80	0.43	10		8.2	
Reach E: Channel begins at the Junction Bouy and ends approximately 1,200 ft from the end of the West Basin Anchorage.	Map 44 Pg 3 of 6; 18 & 20 Apr. 2 & 3 May 2011	80	0.3	6		7.9	

REMARKS:

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

MAMARONECK HARBOR:

- **Reach A** Shoaling commences 180 ft landward from Green Buoy #5 extending across the width of the reach for about 1,240 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 8.8 ft.

- **Reach B** Shoaling occurs across the reach approximately 125 ft landward from Green Can #7 and continues for approximately 115 ft. with a minimum depth of 9.8 ft for the center of the reach. A depth of 9.1 ft occurs near the end of the reach in the Right Outer 10% at Red Nun #12.

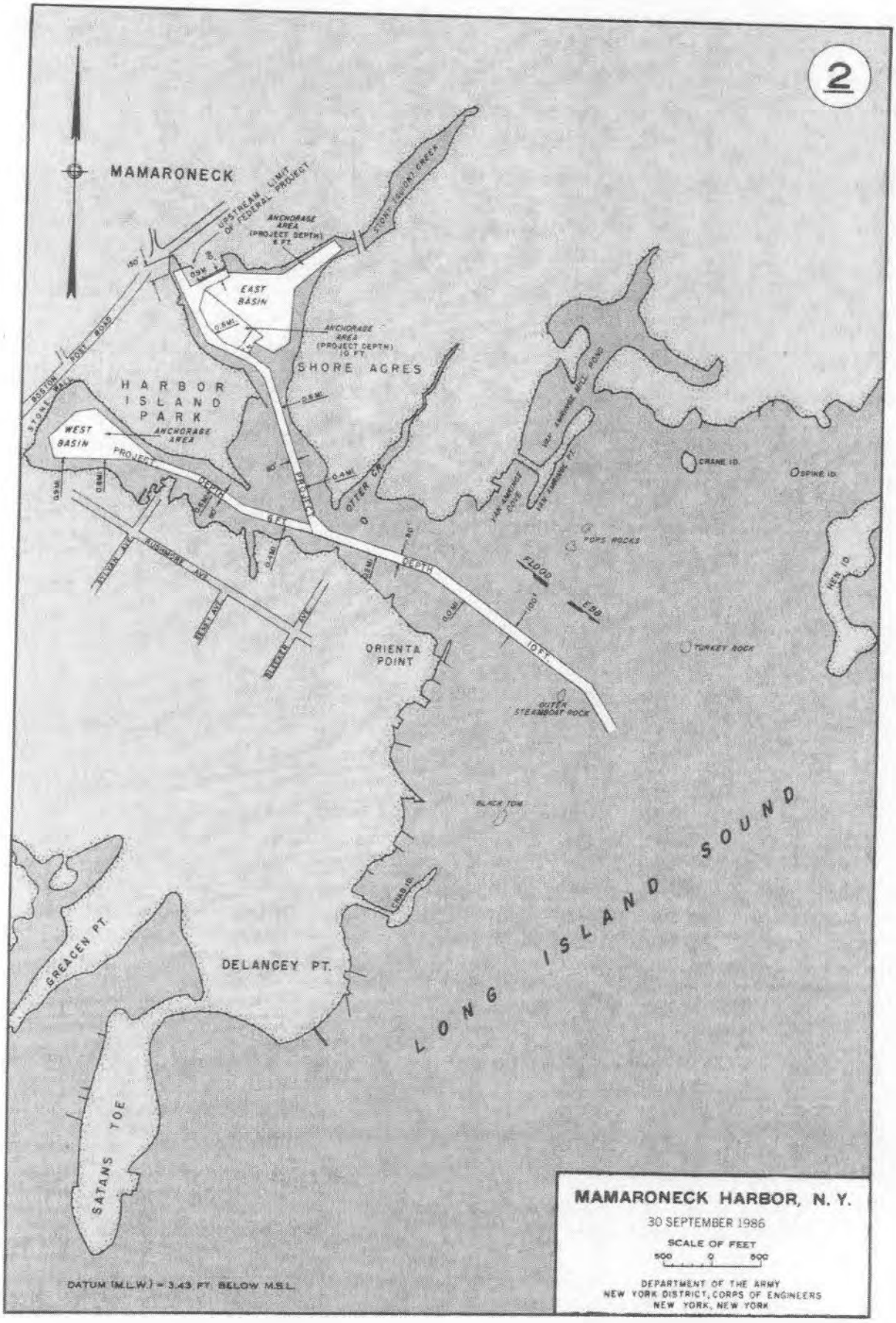
- **Reach C** Shoaling starts about 330 ft seaward from Green Can 9 and continues primarily along both outer edges of the reach – and intermittently extends into the middle of the channel- for about 775 ft. Shoaling then extends from the left outside edge to the middle of the channel and intermittently across the entire channel width for the remainder of the reach. The minimum depth for the reach is 8.2 ft.

- **Reach E** No shoaling

- **Reach F** No shoaling

- **Reach G** Shoaling occurs at the center of the basin and along the border with Reach C. The minimum depth for the basin is 9.0 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.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MAMARONECK
UPSTREAM LIMIT OF FEDERAL PROJECT
STONY (QUONT) CREEK
ANCHORAGE AREA (PROJECT DEPTH) 6 FT.
EAST BASIN
ANCHORAGE AREA (PROJECT DEPTH) 10 FT.
SHORE ACRES
HARBOR ISLAND PARK
WEST BASIN
ANCHORAGE AREA
PROJECT DEPTH 6 FT.
PROJECT DEPTH 10 FT.
OTTER CR.
VAN AMRINGE MILL POND
VAN AMRINGE COVE
VAN AMRINGE PT.
CRANE ID.
SPIKE ID.
POPS ROCKS
FLOOD
EBB
HEN ID.
TURKEY ROCK
ORIENTA POINT
OUTER STEAMBOAT ROCK
BLACK TOM
CHAB ID.
LONG ISLAND SOUND
GREACEN PT.
DELANCEY PT.
SATANS TOE
DATUM (M.L.W.) = 3.43 FT. BELOW M.S.L.
MAMARONECK HARBOR, N. Y.
30 SEPTEMBER 1986
SCALE OF FEET
500 0 500
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
NEW YORK, NEW YORK