

**REPORT OF CHANNEL CONDITIONS**  
**400 FEET WIDE OR GREATER**  
*(ER 1130-2-306)*

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DATE 31 May 2001

TO: Commander 90 (OAN)  
 First Coast Guard District

FROM: U.S. Army Corps of Engineers  
 26 Federal Plaza  
 New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE:  
 HUDSON RIVER 40-FOOT DEPTH CHANNEL, NY, NJ

**MINIMUM DEPTHS IN EACH ¼ WIDTH OF  
 CHANNEL ENTERING FROM SEAWARD**

SECTION OR REACH	MAP FILE NO. SURVEY DATE	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER <i>(feet)</i>	LEFT INSIDE QUARTER <i>(feet)</i>	RIGHT INSIDE QUARTER <i>(feet)</i>	RIGHT OUTSIDE QUARTER <i>(feet)</i>
		WIDTH <i>(feet)</i>	LENGTH <i>(n miles)</i>	DEPTH <i>(feet)</i>				
<u>HUDSON RIVER 40-FOOT DEPTH CHANNEL, NY REACH:</u> Commencing at the entrance (off Ellis Island) and continues until Pier No. 98, around W59 <sup>th</sup> Street.	Map 241 p 2 thru 5 of 6 02/01	1000	5.6	40	43.3	40.2	32.6	9.6
		-						
		490						
<u>HUDSON RIVER 40-FOOT DEPTH CHANNEL, NJ REACH:</u> Commencing at the entrance (off Ellis Island) and continues up to Weehawken, New Jersey, just opposite of Pier No. 98 in New York (around W59 <sup>th</sup> Street).	Map 241 p 2 thru 6 of 6 02/01	varies	5.6	40	15.3	29.5	30.9	35.5
		0						
		- 845						
		- 210						
		- 750						
- 710								

**REMARKS:**

All depths are in Mean Low Water (MLW)  
 Coordinates Referencing NAD83  
 Channel Length – Nautical Miles

Hudson River 40-foot depth Channel, NY Reach: A major shoal begins in the right outside quarter about 0.74 nautical miles landward of the channel entrance, approximately 0.2 miles before North Cove Yacht Harbor (World Trade Center) and continues for approximately 1.9 nautical miles (around Pier 56, W14<sup>th</sup> Street) before it advances into the right inside quarter of the channel and continues pass Pier 78 (around 39<sup>th</sup>). The entire 50-60-foot width portion of the channel, which is defined on the left by the right channel line of the Hudson River 48-foot portion of the middle channel and the approximate pierhead line on the right, is encompassed by the aforementioned shoal. **Note:** This portion of the channel which is not described by quarters has a minimum depth of 16.5 feet.

Hudson River 40-foot depth channel, NJ Reach: A major shoal begins at the entrance and occupies the entire width of the channel for about 0.68 nautical miles before it gradually reduces to the left outside quarter of the channel and then sporadically spreads into the left inside quarter of the channel.