

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

PAGE 1 **OF** 2

DATE 17 August 2007

TO: The Record

FROM: U.S. Army Corps of Engineers
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RIVER/HARBOR NAME AND STATE: New York and New Jersey Channels,
Outerbridge Reach to Gulfport Reach

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD**

| NAME OF CHANNEL | DATE OF SURVEY | AUTHORIZED PROJECT | | | LEFT OUTSIDE QUARTER (feet) | LEFT INSIDE QUARTER (feet) | RIGHT INSIDE QUARTER (feet) | RIGHT OUTSIDE QUARTER (feet) |
|---|---|--------------------|----------------|--------------|-----------------------------|----------------------------|-----------------------------|------------------------------|
| | | WIDTH (feet) | LENGTH (miles) | DEPTH (feet) | | | | |
| Outerbridge Reach (Reach M) (Partial): Begins 300' downstream of Outerbridge Crossing and extends 0.85 nmiles to GREEN LIGHTED #5 EBB | Map 1291, Pg 2 - 4 of 18; April/May 2007 | 600 | 0.85 | 35 | 33.8 | 35.1 | 35.8 | 34.5 |
| Port Secony Reach (Reach L): Begins at GREEN LIGHTED #5 EBB and extends 0.86 nmiles to a point 60' upstream of GREEN LIGHTED #11 EBB | Map 1291, Pg 4 - 5 of 18; April/May 2007 | 600 - 800 | 0.87 | 35 | 32.6 | 34.8 | 34.9 | 31.9 |
| Port Reading Reach (Reach K): Begins at a point 60' upstream of GREEN LIGHTED #11 EBB and extends 1.80 nmiles to a point 80' upstream of GREEN LIGHTED #21 FLOOD | Map 1291, Pg 5 - 9 of 18; April/May 2007 | 500 - 850 | 1.80 | 35 | 18.0 | 34.1 | 34.5 | 26.7 |
| Fresh Kills Reach (Reach J): Begins 80' upstream of GREEN LIGHTED #21 FLOOD and extends 1.65 nmiles to a point 50' downstream of RED LIGHTED #30 FLOOD | Map 1291, Pg 9 - 12 of 18; April/May 2007 | 500 | 1.65 | 35 | 31.0 | 34.3 | 35.6 | 33.4 |
| Tremley Point Reach (Reach I): Begins 50' downstream of RED LIGHTED #30 FLOOD and extends 0.85 nmiles to a point 50' upstream of RED LIGHTED #36 SLACK | Map 1291, Pg 12 - 14 of 18; April/May 2007 | 500 | 0.85 | 35 | 31.2 | 37.1 | 36.3 | 27.5 |
| Pralls Island Reach (Reach H): Begins at a point 50' upstream of RED LIGHTED #36 SLACK and extends 1.13 nmiles to a point 900' upstream of the overhead power cable crossing at Piles Creek | Map 1291, Pg 14 - 16 of 18; April/May 2007 | 500 | 1.13 | 35 | 26.9 | 34.5 | 35.9 | 28.7 |
| Gulfport Reach (Reach G)(Partial): Begins at a point 900' upstream of the overhead power cable crossing at Piles Creek and extends 1.13 nmiles to a point 1,400' upstream of the Goethals Bridge | Map 1291, Pg 16 - 18 of 18; April/May 2007 | 600 - 500 | 1.3 | 35 | 31.0 | 36.5 | 37.0 | 30.7 |

REMARKS:

- All depths in Mean Low Water
- Channel length is in nautical miles

Channel Shoaling:

- **Outerbridge Reach (Reach M) (Partial):** Minor shoaling exists along the left and right channel edges.
- **Port Secony Reach (Reach L):**
 - A shoal occupies almost the entire width of the left outside quarter of the channel beginning approximately 300' upstream of RED LIGHT #10 for approximately 600'.
 - A shoal with a maximum width of 200' extends from a point approximately 400' upstream of RED LIGHT #10 to RED LIGHT #12.

