REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE

TO: The Record
FROM: U.S. Army Corps of Engineers
26 Federal Plaza, ATTN: CENAN-OP-ST
New York, NY 10278-0090

DATE 24 May 2016

RIVER/HARBOR NAME AND STATE:
Sandy Hook Bay at Leonardo, New Jersey

MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD

<table>
<thead>
<tr>
<th>NAME OF CHANNEL</th>
<th>DATE OF SURVEY</th>
<th>AUTHORIZED PROJECT</th>
<th>WIDTH (feet)</th>
<th>LENGTH (nmiles)</th>
<th>DEPTH LEFT OUTSIDE QUARTER (feet)</th>
<th>MIDDLE HALF (feet)</th>
<th>RIGHT OUTSIDE QUARTER (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reach A: Begins approximately 1,685 feet seaward of GREEN NJ BUOY ending approximately 487 feet seaward of GREEN NJ BUOY.</td>
<td>Map 138; Sheet 1 of 1; 11 April 2016</td>
<td>150 0.20 8</td>
<td>8.2</td>
<td>8.5</td>
<td>7.9</td>
<td></td>
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<tr>
<td>Reach B: Begins approximately 487 feet seaward of GREEN NJ BUOY and ends approximately 113 feet landward of GREEN NJ BUOY.</td>
<td>Map 138; Sheet 1 of 1; 11 April 2016</td>
<td>150 0.10 8</td>
<td>7.6</td>
<td>8.1</td>
<td>7.5</td>
<td></td>
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<tr>
<td>Reach C: Begins approximately 113 feet landward of GREEN NJ BUOY and ends at entrance of the boat basin.</td>
<td>Map 138; Sheet 1 of 1; 11 April 2016</td>
<td>150 0.12 8</td>
<td>7.3</td>
<td>7.8</td>
<td>7.3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

REMARKS:
- All depths are relative to Mean Lower Low Water datum
- Channel reach lengths are in nautical miles

SANDY HOOK BAY AT LEONARDO:

- **Reach A**: Shoaling exists along the channel’s toe in the Right Outside Quarter commencing approximately 215 feet landward from the entrance of the channel and continues approximately 280 feet landward, having a maximum width of approximately 10 feet. A spot shoal exists along the channel’s toe in the Right Outside Quarter commencing approximately 760 feet landward of the channel’s entrance.

- **Reach B**: Shoaling exists along the channel’s toe in the Right Outside Quarter commencing approximately 375 feet seaward of GREEN NJ BUOY and continues approximately 175 feet landward, having a maximum width of approximately 20 feet. Another shoal exists along the channel's toe in the Right Outside Quarter commencing approximately at GREEN FIXED AID TO NAVIGATION W/LIGHT and continues into Reach C where it intermittently tapers into the Middle Half, having a maximum width of approximately 90 feet, and ends approximately at GREEN FIXED AID TO NAVIGATION W/LIGHT. Shoaling commences along the channel’s toe in the Left Outside Quarter commencing approximately 200 feet seaward of GREEN NJ BUOY and continues approximately 160 feet landward from said buoy, having a maximum width of approximately 25 feet.

- **Reach C**: Shoaling commences along the channel’s toe in the Left Outside Quarter approximately 205 feet seaward of GREEN FIXED AID TO NAVIGATION W/LIGHT and widens to the approximate width of the quarter, ending approximately 40 feet landward of GREEN FIXED AID TO NAVIGATION W/LIGHT. Please refer to Reach B shoaling description for additional shoaling in Reach C.