

REPORT OF CHANNEL CONDITIONS
(FOR CHANNELS 400 FEET WIDE OR GREATER)
(ER 1130-2-316)

TO:
Director, Marine Division
Jacksonville Port Authority, Jacksonville, FL

FROM:
USACE, District Engineer
Attn: CESAJ-CO-OM Jacksonville, Florida

RIVER/HARBOR NAME AND STATE
Jacksonville Harbor, Duval County, FL

MINIMUM DEPTHS IN EACH 1/4 WIDTH OF
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) | | | | |
| St. Johns Bar Cut (East Section): Cut-3, from 2.1 miles seaward of red Buoy-4 landward to red Buoy-8 | Nov-2000 | 800 | 3.5 | 42 | 39.5 (1) | 41.5 (1) | 41.1 (1) | 36.0 (1) |
| From red Buoy-8 to extended centerline of Mayport Navy Entrance Channel | Nov-2000 | 800 | 0.2 | 42 | 37.6 (2) | 39.2 (2) | 45.8 | 45.9 |
| (West Section), from extended centerline of Mayport Navy Entrance Channel to Pilot Town Cut @ green Buoy-11 | Jun-2003 | 760 | 1.9 | 40 | 41.6 | 42.9 | 42.6 | 42.2 |
| Pilot Town Cut: Cut-4 thru 6, from green Buoy-11 to Mayport South Ferry Slip & Anchorage | May-2003 | 860-910 | 1 | 40 | 42.5 | 42.2 | 42.8 | 42.5 |
| Mayport Cut: Cut-7 & 8, from Mayport South Ferry Slip to red Buoy-18 | May-2003 | 625-1030 | 0.7 | 40 | 39.7 | 42.2 | 42.3 | 42.4 |
| Sherman Cut: Cut-8, from red Buoy- 18 to red Buoy-20 | May-2003 | 625 | 0.3 | 40 | 43.4 | 42.6 | 42.2 | 41.7 |
| Mile Point Lower Range and Turn: Cut-9 thru 13, from red Buoy-20 to red Buoy-24 | Aug-2003 | 625 | 0.9 | 40 | 42.2 | 43.0 | 41.7 | 41.3 |
| Training Wall Reach: Cut-13 thru 16, from red Buoy-24 to green Buoy- 25 | Aug-2003 | 475-625 | 1.4 | 40 | 40.6 | 41.2 | 41.1 | 41.5 |
| Short Cut Turn: Cut-17 thru 19, from green Buoy-25 to green Buoy- 27 | Nov-2002 | 575 | 0.6 | 40 | 42.2 | 42.3 | 42.5 | 42.4 |
| White Shells Cut: Cut-39 & 40, from green Buoy-27 to red Buoy-34 | Jun-2003 | 575-900 | 0.8 | 40 | 41.4 | 40.3 | 41.4 | 41.0 |
| St. Johns Bluff Reach: Cut-40 & 41, from red Buoy-34 to green Buoy-35 and East Blount Island Channel Widener | Dec-2002 | 600-750 | 0.9 | 40 | 41.1 | 41.0 | 41.4 | 41.1 |
| Dames Pt-Fulton Cutoff: Cut-42, from 500 feet east of red Buoy-36 to Junction with Dames Point Bridge | Jul-2003 | 475-837 | 2.9 | 40 | 41.8 | 42.3 | 42.3 | 41.0 |

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|--|----------------|--------------------|----------------|--------------|-----------------------------|----------------------------|-----------------------------|------------------------------|
| | | Width (feet) | Length (miles) | Depth (feet) | | | | |
| Dames Pt Turn thru Quarantine Isl Upper Range: Cut-43 & 44, from Dames Point Bridge to 150 feet north of green Buoy-51 | Jun-2003 | 525-1175 | 1.3 | 40 | 42.0 | 42.7 | 42.9 | 43.2 |
| Brills Cut: Cut-45 & 46, from 150 feet north of green Buoy-51 to green Buoy-55 | Apr-2003 | 425-600 | 1.2 | 40 | 42.5 | 42.1 | 42.2 | 42.2 |
| Broward Pt Turn: Cut-47 thru 49, from green Buoy-55 to 400 feet east of green Buoy-59 | Apr-2003 | 490-830 | 0.9 | 40 | 41.1 | 42.2 | 42.2 | 42.9 |
| Drummond Creek Range: Cut-50, from 400 feet east of green Buoy-59 to opposite green Buoy-59 | Jul-2003 | 375-490 | 0.1 | 40 | 42.7 | 42.8 | 44.0 | 43.9 |
| Drummond Creek Range: Cut-50, from opposite green Buoy-59 to 1,200 feet north of green Buoy-63 | Jul-2003 | 400-865 | 1.4 | 38 | 36.9 (3) | 39.1 | 38.6 | 35.8 (3) |
| Trout River Cut: Cut-51, from 1,200 feet north of green Buoy-63 to 200 feet south of red Buoy-68 | Jul-2003 | 400-860 | 1.1 | 38 | 37.7 | 40.0 | 41.2 | 38.7 |
| Chaseville Turn: Cut-52 thru 54, from 200 feet south of Red Buoy-68 to approximately 700 feet south of Green Buoy-71 | Jul-2003 | 450-800 | 0.7 | 38 | 35.3 (4) | 39.6 | 38.8 | 36.5 |
| Long Branch Range: Cut-55, from 700 feet south of Green Buoy-71 to Terminal Channel | Jul-2003 | 650-1340 | 0.8 | 38 | 35.4 (5) | 39.0 | 40.5 | 37.5 |
| Terminal Channel: from beginning of Terminal Channel to 600 feet south of green lighted Buoy-75 | Jul-2003 | 575-1340 | 1.2 | 38 | 34.1 (6) | 37.0 (6) | 39.2 | 35.1 (6) |
| Terminal Channel, from 600 feet south of green lighted Buoy-75 to red lighted Buoy-78 | Jul-2003 | 575 | 0.6 | 34 | 29.9 (7) | 31.4 (7) | 34.3 | 31.6 (7) |
| Terminal Channel: from red Buoy-78 to the Hart Bridge at Commodore Point | Jul-2003 | 575-1100 | 1.7 | 34 | 29.7 (8) | 32.9 (8) | 32.5 (8) | 33.2 (8) |
| Terminal Channel: from the Hart Bridge at Commodore Point northerly to end of project | Jul-2003 | 559-1184 | 0.3 | 30 | 33.4 (9) | 29.6 (9) | 23.1 (9) | 20.3 (9) |

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| Blount Island Channel: Cut-F & G, from 200 feet south of Blount Island bridge to the junction of Cut-42 (Dames Pt-Fulton Cutoff Range) | Jul-2003 | 300-1000 | 2 | 38 | 36.2 (10) | 37.3 (10) | 36.1 (10) | 31.6 (10) |
| Widener: Dames Pt-Fulton Cutoff Range (Cut-42) & Blount Island Channel (Cut-G) | Jul-2003 | 0-1060 | 0.3 | 38 | 40.3 | 40.3 | 39.0 | 40.7 |
| Blount Island East Channel; Cut-A | Nov-2000 | 300 | 1 | 30 | 24.1 (11) | 23.0 (11) | 20.8 (11) | 17.0 (11) |

Remarks:

1. Shoaling along north side of channel extending from 1,500 feet east to 2,400 feet west of red Buoy-4. Shoaling is also found along south side of channel from 1,300 feet east to 600 feet west of green Buoy-3. Shoaling extends into channel a maximum of 200 feet from either edge.
2. Spot shoaling along south edge of channel just east of green Buoy-7 extending 200 feet into channel. Spot shoaling is also located on south edge of channel 600 feet west of green Buoy-7.
3. Minor shoaling along northern edge of channel from red lighted Buoy-58 extending approximately 2,000 feet westerly. Shoaling extends into channel a maximum distance of 80 feet. Minor shoaling also exists along eastern edge of widener of Cut-50 (Drummond Creek Range) and Cut-51 (Trout River Cut).
4. Spot shoaling along eastern edge of channel in Cut-53 and western edge in Cut-54 in vicinity of green Buoy-71.
5. Spot shoaling located along eastern corner of channel between Cut-55 (Long Branch Range) and Terminal Channel.
6. Shoaling throughout eastern half of channel in vicinity of green Buoy-75. Also spot shoaling in western side of channel, opposite USACE Depot.
7. Shoaling throughout eastern half of channel in vicinity of green Daybeacon-77.
8. Shoaling over most of southern half of channel, from red Buoy-78 extending approximately 2,000 feet. Spot shoaling in center of channel opposite Commodore Point.
9. Shoaling over most of northern half of channel.
10. Shoaling throughout channel.
11. Shoaling throughout most of reach.