

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

TO:
Executive Director, Port Authority
Commonwealth of Puerto Rico, San Juan, Puerto Rico

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

RIVER/HARBOR NAME AND STATE
San Juan Harbor, Puerto Rico

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)				
Bar Channel, Cut-1: from 1,900 feet (0.3 nm) seaward to 1,000 feet (0.16 nm) seaward of red Buoy-2	Aug-2003	800	0.17	56	60.8	59.7	58.8	58.2
Bar Channel, Cut-2: from 1,000 feet (0.16nm) seaward of red Buoy-2 southerly to red Buoy-4	Aug-2003	800	0.4	51	53.9	54.3	53.1	53.6
Bar Channel, Cut-3: from red Buoy-4 to red Buoy-6	Aug-2003	800-928	0.12	49	51.7	53.4	52.3	51.4
Bar Channel, Cut-4 & 5: from red Buoy-6 to red Buoy-8	Aug-2003	928-950	0.22	46	48.3	48.3	48.5	47.8
Bar Channel, Cut-6: from red Buoy-8 to green Buoy-9	Aug-2003	950-800	0.15	40	42.7	42.6	42.4	42.5
Anegado Channel: from green Buoy-9 to 700 feet southeast of red Buoy-14	Aug-2003	800	1.4	40	41.2	42.0	42.0	39.9
Anchorage Area-F: from 150 feet southeast of red Buoy-10 to red Buoy-14	Aug-2003	0-1150	0.9	30	28.5 (1)	28.1 (1)	25.8 (1)	22.8 (1)
Army Terminal Channel: from opposite red Buoy-14 to green Buoy-7	Aug-2003	350	1	40	39.9	41.6	41.8	40.3
Anegado/Army Terminal Channel Widener: from opposite red Buoy-14 to 500 feet south of red Buoy-2	Aug-2003	0-360	0.3	40	*	*	*	41.8
Sabana Approach Channel: from 1,000 feet south of red Buoy-4 to 1,800 feet south of red Buoy-6	Aug-2003	400	0.47	32	32.3	31.9	32.8	32.4
Army Terminal Turning Basin: from green Buoy-7 south to terminus	Aug-2003	350-2230	0.47	40	39.3 (2)	40.0	41.1	40.0
Puerto Nuevo Channel: from approx. 950 feet west of green Buoy-1 to green Buoy-5	Aug-2003	350	1.2	39	37.4 (3)	40.0	38.6 (4)	37.1 (4)
Widener at Army Terminal Channel/Puerto Nuevo Channel: from green Buoy-9 to 300 feet west of green Buoy-1	Aug-2003	0-400	0.2	39	32.9	*	*	*

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		Width (feet)	Length (miles)	Depth (feet)				
Puerto Nuevo Turning Basin: from green Bouy-5 to 800 feet north of red Bouy-4	Aug-2003	1065	0.33	39	36.3 (5)	36.8 (5)	37.1 (5)	35.9 (5)
Deep Draft Anchorage-E: from green Buoy-13 to green Buoy-1	Aug-2003	0-1525	0.6	36	25.9 (6)	28.2 (6)	30.0 (6)	31.9 (6)
Graving Dock Channel: from approx. 800 feet west of red/green Buoy-A east to red Buoy-4	Aug-2003	350-915	1.3	36	34.6 (7)	36.3	37.3	32.5 (8)
Graving Dock Turning Basin: from green Buoy-3 east to terminus	Aug-2003	0-1300	0.5	30	26.8 (9)	26.2 (9)	25.6 (9)	25.1 (9)
Widener at Army Terminal Channel/Graving Dock Channel: from red/green Buoy-A to 400 feet south of green Buoy-3	Aug-2003	0-640	0.2	40	41.8	*	*	*
Widener at Anegado Channel/San Antonio Approach (north side): from green Buoy-11, 1,700 feet east	Aug-2003	0-700	0.33	35	34.9	*	*	*
Widener at Anegado Channel/San Antonio Approach (south side)	Aug-2003	0-636	0.2	35	*	*	*	37.8
San Antonio Approach Channel: from north limit of Anegado Channel to south limit of San Antonio Channel	Aug-2003	600-960	0.6	35	35.6	36.4	37.3	34.8
Cruise Ship Basin West: from green Buoy-11 to 1,200 feet east of cruise ship dock	Aug-2003	0-1600	0.6	30	19.8 (10)	29.6	33.5	34.3
Cruise Ship Basin East: from green Buoy-13 to north bulkhead	Aug-2003	0-1140	0.6	30	22.5 (11)	23.3 (11)	26.8 (11)	30.8
San Antonio Channel: from approach and cruise ship basin east for 3,700 feet	Aug-2003	500-900	0.7	30	28.6 (12)	32.8	35.9	32.2

Remarks:

1. Shoaling in southern corner of Anchorage Area.
2. Slight shoaling on eastern edge of basin, north of green Buoy-9.
3. Shoaling along northern edge of channel, between Buoy's 3 & 5.

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4. Shoaling in southern side of channel near Army Terminal Turning Basin.
5. Shoaling throughout both east and west sides of turning basin.
6. Shoaling throughout anchorage area. Least depths occur in northern corner.
7. Shoaling along northern edge of channel, between Buoy's-1 & 3, extending a maximum of 50 feet inside channel.
8. Shoaling along southern edge of channel between Buoy's 3 & 4, extending a maximum of 125 feet inside channel.
9. Shoaling throughout turning basin, predominately on eastern side.
10. Shoaling in northwestern corner of basin.
11. Shoaling throughout the southeastern side of basin.
12. Minor shoaling along northern edge of channel near west end.