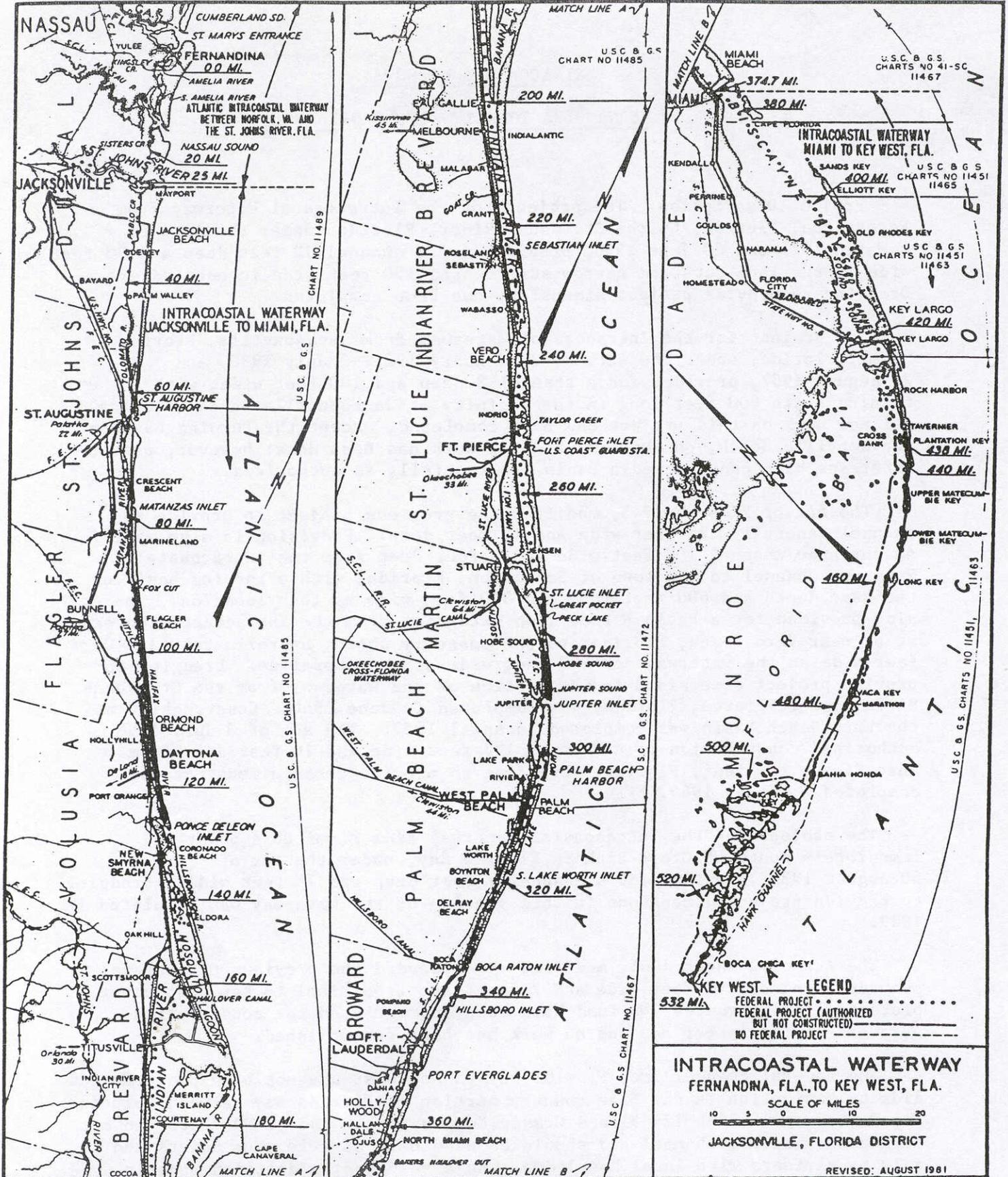


INTRACOASTAL WATERWAY

Fernandina to Key West, Florida

Section I



INTRACOASTAL WATERWAY

FERNANDINA TO KEY WEST, FLORIDA

Section I

Project Description: The project for the Intracoastal Waterway from Fernandina, Florida, to the St. Johns River, Florida, under the Acts of 4 March 1913, and 20 June 1938, provides for a channel 12 feet deep and 90 feet wide in the land cuts and narrow streams and 150 feet wide in open waters. Dredging to provide project dimensions has been completed.

The project for the Intracoastal Waterway from Jacksonville, Florida to Miami, Florida, under the Acts of 21 January 1927, 3 July 1930, and 26 August 1937, provided for a channel 8 deep and 100 feet wide, with a turning basin 800 feet long in the vicinity of Jacksonville Beach, Florida. All new work on this project has been completed, except the turning basin at Jacksonville Beach, on which no Federal work has been done; however, private interests have constructed a basin substantially as authorized.

The Act of 2 March 1945, modified the previous project to provide a channel generally 125 feet wide and 12 feet deep. Provision is also made for an entrance channel 100 feet wide and 8 feet deep from the Intracoastal Waterway Channel to the town of Sebastian, Florida, with a turning basin of the same depth and 600 feet long and 300 feet wide at that location. The Act also provided for a basin 8 feet deep extending from the Intracoastal Waterway at or near Vero Beach, Florida, to the easterly shore, approximately 1,140 feet wide at the waterway and 280 feet wide at the shoreline. Dredging to provide project dimensions in the section of the waterway from the St. Johns River to Fort Pierce, Florida, was completed in June 1960. Construction of the Vero Beach basin was completed in April 1957. The Act of 3 July 1958, authorized construction of a channel 125 feet wide and 10 feet deep from Fort Pierce to Miami, Florida. Dredging to provide these dimensions was completed November 1964.

The project for the Intracoastal Waterway from Miami to a point immediately south of Cross Bank in Florida Bay, under the Act of 30 August 1935, provided for a channel 7 feet deep and 75 feet wide. Dredging to provide project dimensions in this section of the waterway was completed in 1939.

The Act of 2 March 1945, modified and extended the previous project to provide a channel 90 feet wide and 7 feet deep from Miami to Key West along a protected inside route. No fund have been appropriated for construction pursuant to the latter act and no work has been accomplished.

The Federal channel from Florida Bay to Key West has not been constructed. Aids to Navigation in the back country portion of Florida Bay between Porpoise Key Daybeacon 1 (LLNR 12435) and Grassy Key Daybeacon 141 (LLNR 12835) do not mark a serviceable channel and should be used only as reference points and only by mariners with local knowledge. As a result of a decision made in 1986, those aids are being discontinued as they fall or become unusable. Mariners should use extreme caution when navigating in the area.

Hawk Channel, which parallels the Keys on the southeasterly side from Miami to Key West, may be reached from the northwesterly channel by utilizing any of three cross channels; namely, Indian Key Channel between Upper and Lower Matecumbe Keys; Channel Five, north of Long Key; and Bahia Honda Channel at the south end of Bahia Honda Key. There are five bridges on the Overseas Highway crossing each one of the cross channels as shown in the bridge section of this bulletin.

ADJACENT PROJECTS

The following project channels connect with the Intracoastal Waterway:

The St. Johns River has an authorized depth at 38 feet from the Atlantic Ocean to Jacksonville, 25 miles; thence to Green Cove Springs, 17 feet, 25 miles; thence to Palatka, 13 feet, 30 miles; thence to Sanford, 12 feet, 86 miles; thence to Osteen bridge, 5 feet, 4 miles; then to Lake Harney, 3 feet, 21 miles.

St. Augustine, Florida. Authorized channel of 16 feet by 200 feet along the best natural alinement as may exist from time to time. Channel is maintained periodically. Entrance channel to inlet changes and shoals rapidly. Navigators should use extreme caution.

San Sebastian River, Florida. Authorized channel of 10 feet by 100 feet from the Intracoastal Waterway to King Street Bridge. Coast Chart number 11485.

Daytona Beach, Florida. A marked channel about 500 feet south of Seabreeze Bridge leading to the Gulf Oil Corporation bulk station. Channel is 100 feet wide by 9 feet deep leading to a turning basin 300 feet long by 90 feet wide by 9 feet deep. The channel and turning basin were dredged in August 1946. Coast Chart number 11485.

Daytona Beach, Florida. Marked channel 150 feet south of Memorial Bridge to City Yacht Pier and Daytona Beach Yacht Club. Channel 8 feet by 80 feet was dredged through rock approximately 4 feet deep. Coast Chart number 11485.

Daytona Beach, Florida. Marked channel 8 feet by 100 feet, one-half (1/2) mile south of Memorial Bridge leading to Daytona Beach Boat Works. Coast Chart number 11485.

Titusville, Florida. A marked channel to Yacht Basin 0.4 mile north of highway bridge. Dredged 8 feet deep and 100 feet wide in 1938. Coast Chart number 11485.

Courtenay, Florida. An unmarked channel to the town of Courtenay. Dredged 8 feet deep and 100 feet wide in 1940. Coast Chart number 11485.

Canaveral Harbor Barge Canal. Authorized project dimensions 12 feet deep by 125 feet wide. Canal was constructed in August 1965. Coast Chart numbers 11478 and 11485.

State Road No. A1A on Merritt Island crosses the canal about 1 mile from Indian River. The bascule bridge has a horizontal clearance of 90 feet and a vertical clearance when closed of 26 feet above mean high water. A twin bascule bridge for State Road 401 crosses the canal at Port Canaveral. Clearances for this bridge are: 90 feet horizontal and 26 feet vertical above mean high water when closed. A bascule bridge has been constructed east of and parallel to existing twin bascule bridges at State Road 401 which remain in place. Clearances for this bridge are 90 feet horizontal and 25 feet vertical above mean high water when closed.

Canaveral Lock is 90 feet wide by 600 feet long and is in operation from 6:00 a.m. to 9:30 p.m., daily.

Cocoa, Florida. A marked channel 8 feet deep and 140 feet wide leading to Municipal Yacht Basin. Coast Chart number 11485.

Eau Gallie, Florida. A marked channel dredged 8 feet deep and 100 feet wide in 1939. Project dimensions were restored by maintenance dredging June 1985. Coast Chart numbers 11485 and 11472.

Melbourne, Florida. A marked channel dredged 8 feet deep and 100 feet wide in 1938. Project dimensions were restored by maintenance dredging June 1985. Coast Chart number 11472.

Fort Pierce, Florida. A channel authorized dimensions of 25 feet deep and 200 feet wide from the ocean to Fort Pierce. Project dimensions were restored by maintenance dredging during 1987. Coast Chart numbers 11475, 11472.

St. Lucie Inlet, Florida. A marked channel from Port Sewall easterly across the Intracoastal Waterway, Jacksonville to Miami, Florida, to the Atlantic Ocean. The Federal Project provides for a channel 7 feet by 100 feet from the Intracoastal Waterway to the inlet and through a channel 10 feet by 150 feet to the bar, and 16 feet by 300 feet across the bar to the Atlantic Ocean.

Okeechobee Waterway, Florida. A marked channel opposite St. Lucie Inlet from the Intracoastal Waterway (Jacksonville to Miami) across the State of Florida to the Gulf of Mexico at Punta Rassa, Florida. See Section II of this bulletin for details.

New River at Fort Lauderdale, Florida. Dredging during March and April 1956 provided a channel 8 feet deep and 100 feet wide from the Intracoastal Waterway to Tarpon Bend. Coast Chart number 11467.

Miami River at Miami, Florida. Controlling vertical clearance is 75 feet upstream from Fourth Street and unlimited downstream from Fourth Street to mouth of the river. Coast Chart numbers 11467 and 11465.

Tides, velocities, and datum plane. Mean tidal ranges at various points along the waterway are as follows: Fernandina, 6.0 feet; St. Johns River, 3.9 feet; Pablo Creek Bridge, 2.5 feet; Palm Valley Bridge, 2.0 feet; St. Augustine, 4.2 feet; Matanzas Inlet, 3.0 feet; Ponce de Leon Inlet, 2.3 feet; Fort Pierce, 0.7 foot; St. Lucie Inlet, 1.7 feet; Lake Worth Inlet, 2.3 feet; Port Everglades, 2.5 feet; Miami (Biscayne Bay) 2.0 feet; and 1.3 feet at Key West.

Velocities up to 4.0 miles per hour may be encountered in the 12-foot waterway, Fernandina to Haulover Canal, and up to 1.3 mph in the lower reaches of the 10- and 12-foot waterway, Haulover Canal to Miami, Florida.

The mean low water datum plane is used throughout the waterway.

Aids to Navigation. Aids to navigation are shown on U.S. Coast Charts Numbers 11489, 11485, 11472, 11467, 11451, 11448, 11445, 11465, 11463, 11449, 11447, 11441, and 11443. These charts may be purchased from Marinas, Nautical Supply Houses, or from other commercial establishments handling such charts. Mariners should consult the current "Local Notice to Mariners," issued periodically by the 7th Coast Guard District,

Maintenance of aids to navigation along the waterways is under the supervision of the District Coast Guard Officer, 7th Coast Guard District, 51 SW. First Avenue, Miami, Florida 33130, telephone 305/536-5621.

Anchorage and Wharves. Dockage facilities open to the public are available at the following points along the waterway: Fernandina; Sisters Creek Bridge; Mayport; Jacksonville; Jacksonville Beach; Palm Valley; St. Augustine; Marineland; Daytona Beach; New Smyrna; Titusville; Cocoa; Eau Gallie; Melbourne; Vero Beach; Fort Pierce; Stuart; Palm Beach Harbor; West Palm Beach; Delray Beach; Fort Lauderdale; Port Everglades; Hollywood Beach; Miami; Miami Beach; Craig; Marathon; and Key West. Dockage is also available on New River at Fort Lauderdale and on Miami River at Miami. Anchorage areas are available along the waterway and are shown on appropriate Coast Charts.

Government-owned Tieup Dolphins. There are no government-owned tieup dolphins located on this waterway.

Exposure. The waterway from Fernandina to Miami is generally protected from high winds and rough water, with the exception of the open waters of Mosquito Lagoon, Indian River, and Lake Worth.

The route from Miami through Florida Bay to Cross Bank is protected by the Keys and shallow banks from high winds and rough waters, other than during severe storms, with the exception of the exposed reaches of open water, 11 miles in length in Biscayne Bay between Cape Florida and Ragged Keys, and from Bahia Honda to Cross Bank, 50 miles, where craft must proceed on the south side of the Keys via Hawk Channel.

Communications. Mail, telephone, and telegraph facilities are available at the following points along the waterway; Fernandina; Jacksonville; Mayport; Smyrna; Titusville; Cocoa; Eau Gallie; Melbourne; Vero Beach; Fort Pierce; Stuart; Riviera Beach; West Palm Beach; Delray Beach; Fort Lauderdale; Port Everglades; Hollywood Beach; Miami; Miami Beach; Craig; Marathon; and Key West.

Marine radio telephone service is available at Jacksonville; Miami; West Palm Beach; and Tampa, Florida.

Channel Information. Information on the Intracoastal Waterway from Fernandina to Key West, Florida, may be obtained from the Jacksonville District Office, P.O. Box 4970, Jacksonville, Florida, 32232-0019, telephone (904) 232-2539.

Similar information for other sections of the Intracoastal Waterway may be obtained upon application to the following:

a. From the junction of Lanceford and Amelia Rivers just south of Fernandina, Florida, to Beaufort, South Carolina:

District Engineer
U.S. Army Engineer District, Savannah
P.O. Box 889
Savannah, Georgia 31402-0889
(912) 944-5822

b. Beaufort, South Carolina, to Little River, South Carolina:

District Engineer
U.S. Army Engineer, District, Charleston
P.O. Box 919
Charleston, South Carolina 29302-0919
(843) 727-4229 or 4344

c. Little River, South Carolina, to the Virginia-North Carolina State Line, near Green Point Beacon Number 23, in North Landing River:

District Engineer
U.S. Army Engineer District, Wilmington
P.O. Box 1890
Wilmington, North Carolina 28401-1890
(910) 251-4501 or 4624

d. From the Virginia-North Carolina State Line, near Green Point Beacon Number 23, in North Landing River to Norfolk, Virginia:

District Engineer
U.S. Army Engineer District, Norfolk
803 Front Street
Norfolk, Virginia 23510-1096
(757) 441-7601

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

Page 1 of 3

February 2001

TO:
Executive Director, 1314 Marcinski Road
Jupiter, FL

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
Atlantic Intracoastal Waterway, Fernandina to St. Johns River: Nassau County, from green Daybeacon-1 to 500 feet south of red Buoy-46A	May-2000	90-350	11.6	12	*	5.4 (1)	*
Duval County, from 500 feet south of red Buoy-46A to the St. Johns River	May-2000	150	10.6	12	*	4.5 (2)	*
Intracoastal Waterway, from Jacksonville to Miami: Duval County, from green Light-1 at the St. Johns River to red Daybeacon-46	May-2000	125	10.2	12	*	8.2 (3)	*
St. Johns County, from red Daybeacon-46 to 500 feet north of green Light-87	May-2000	125	46	12	*	7.0 (4)	*
Flagler County, from 500 feet north of green Light-87 to 850 feet north of green Daybeacon-23	May-2000	125	18.5	12	*	8.9 (5)	*
Volusia County, from 850 feet north of green Daybeacon-23 to green Daybeacon-29	May-2000	125	51.3	12	*	5.8 (6)	*
Brevard County, from green Daybeacon-29 to 350 feet north of green Daybeacon-61	May-2000	125	71	12	*	8.0 (7)	*
Indian River County, from 350 feet north of green Daybeacon-61 to 200 feet south of red Daybeacon 168A	May-2000	125	23.3	12	*	9.1 (8)	*
St. Lucie County, from 200 feet south of red Daybeacon 168A to Fort Pierce Harbor Turning Basin	May-2000	125	6.8	12	*	10.7 (9)	*
From Fort Pierce Harbor Turning Basin to 1000 feet north of green Daybeacon-219	May-2000	125	14.9	10	*	10.0	*
Martin County, from 1000 feet north of green Daybeacon-219 to red Daybeacon-56	May-2000	125	46.7	10	*	8.1 (10)	*
Palm Beach County, from red Daybeacon-56 to 2,000 feet north of red Daybeacon-2	May-2000	100	25	10	*	5.1 (11)	*

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

Page 2 of 3

February 2001

TO:
Executive Director, 1314 Marcinski Road
Jupiter, FL

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
Broward County, from 2,000 feet north of red Daybeacon-2 to the Broward/Dade county line	May-2000	100	49.4	10	*	7.8 (12)	*
Dade County, from the Broward/Dade county line to end of Cut-D9	May-2000	80	49.3	8	*	4.8 (13)	*
Okeechobee Waterway: Cut-1 thru Cut-3, from the intersection of the Intracoastal Waterway to red Daybeacon-10	May-2000	80	1	8	*	3.8 (14)	*
OWW: From red Daybeacon-10 to the St. Lucie Lock	May-2000	80	14.3	8	*	6.9 (15)	*

Remarks:

* Depths shown on report indicate least depth at a particular location within the County. All other depths throughout reach are generally deeper except where noted below.

1. Extreme shoaling in vicinity of red Buoy-46A & red Light-46, in vicinity of Nassau River. Deeper water exists east of the Federal Channel as marked by the USCG.
2. Extreme shoaling in vicinity of green Light-49, just south of Sawpit Creek. Deeper water exists west of the Federal Channel as marked by the USCG.
3. Shoaling near green Buoy-19A, south of Atlantic Blvd. Bridge. Spot shoal (to 8.4 ft MLW) north of Atlantic Blvd. Bridge, just north of green Daybeacon-19.
4. Shoaling at red Buoy-58E, in vicinity of St. Augustine Inlet. Shoaling throughout entire Palm Valley area with least depth of (7.3 ft MLW) in vicinity of Palm Valley Landing. Shoaling (to 7.1 ft MLW) located from green Buoy-81 to 250 feet north of red Daybeacon-82, in vicinity of Matanzas River/Inlet.
5. Spot shoaling located between red Daybeacon-92 and red Light-94.
6. Spot shoaling located near red Daybeacon-6 in vicinity of north end of Ponce de Leon Inlet channel. Spot shoaling (to 6.6 ft MLW) located between red Daybeacon-68 and green Daybeacon-69. Spot shoaling (to 7.4 ft MLW) located at red Light-10 in vicinity of Rock House creek. Shoaling (to 7.1 ft MLW) is located at south end of Ponce de Leon Inlet channel, from green Daybeacon-19 to green Daybeacon-21. Shoaling (to 6.0 ft MLW) located between green Daybeacon-33 and green Daybeacon-35, in vicinity of New Smyrna Beach. Shoaling (to 7.8 ft MLW) located between red Daybeacon-46 and green Daybeacon-47. Shoaling (to 7.8 ft MLW) located between green Light-51 and red Daybeacon-52.
7. Shoaling located from 2,700 feet north of red Daybeacon-2 to red Daybeacon-4. Shoaling (to 8.5 ft MLW) also located between green Daybeacon-59 and green Daybeacon-61.
8. Shoaling in vicinity of green Daybeacon-61.

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-316)					Page 3 of 3		
					February 2001		
TO: Executive Director, 1314 Marcinski Road Jupiter, FL			FROM: USACE, District Engineer Attn: CESAJ-CO-OM Jacksonville, Florida				
RIVER/HARBOR NAME AND STATE Intracoastal Waterway, 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			

9. Shoaling near red Daybeacon-186, just north of Ft. Pierce Harbor Turning Basin.
10. Spot shoaling (to 8.9 ft MLW) located from approximately 750 feet north of red Daybeacon-228 to red Daybeacon-234. Spot shoaling also located in vicinity of green Daybeacon-17.
11. Spot shoaling (to 8.7 ft MLW) located from 600 feet north of and extending to red Daybeacon-58. Spot shoaling (to 7.1 ft MLW) located at green Buoy-1, just north of Jupiter Inlet. Spot shoaling (to 8.1 ft MLW) located between red Daybeacon-8 and red Daybeacon-10. Spot shoaling (to 8.5 ft MLW) located from red Daybeacon-18 and to just south of SR 80 Bridge. Extreme shoaling located from 300 feet north of red Daybeacon-4 to green Daybeacon-1.
12. Spot shoaling (to 8.5 ft MLW) located at red Daybeacon-68B. Spot shoaling also located from red Daybeacon-72 to 1,000 feet south of green Daybeacon-73.
13. Spot shoaling from red Daybeacon-6 to end of Cut-9. Extreme shoaling located just south of Biscayne National Park.
14. Extreme shoaling located between red Daybeacon-8 and red Daybeacon-10.
15. Spot shoaling (to 7.3 ft MLW) located in vicinity of red Daybeacon-22A. Shoaling (to 7.2 ft. MLW) located between green Daybeacon-27 and green Daybeacon-29. Shoaling also located between green Daybeacon-31 and green Daybeacon-33.

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

Page 1 of 1

March 2001

TO:
Executive Director
Florida Inland Navigation District, FL

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

RIVER/HARBOR NAME AND STATE
Atlantic Intracoastal Waterway, 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
Nassau County, Vicinity of Nassau Sound: From 650 feet north of Red Daybeacon-44 to 400 feet north of Red Daybeacon-46B. (Cuts 27A thru 27C)	Mar-2001	150-350	1.7	12	12.3	12.8	12.5
Duval County: From 400 feet north of Red Daybeacon-46B to 1600 feet north of Red Daybeacon-50. (Cuts 26 thru 27)	Mar-2001	90-200	1.6	12	12.5	13.2	12.4
From 1600 feet north of Red Daybeacon-50 to Green Light-57. (Cuts 21 thru 25)	Mar-2001	90-150	1.5	12	10.6 (1)	12.3	12.8

Remarks:

1. Spot shoaling located along the western edge of widener of Cut-23 and Cut-24.

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

Page 1 of 1

May 1998

TO:
Executive Director
Florida Inland Navigation District

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, Duval Co.

MINIMUM DEPTHS IN EACH 1/4 WIDTH OF
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
IWW, Duval County: From Chicopit Bay to 800 feet south of Green Daybeacon-11. (Cuts DU-4 & DU-5)	Apr-1998	125	1.4	12	14.3	15.3	13.9
From 800 feet south of Green Daybeacon-11 to 500 feet north of Green Light-17. (Cut DU-6)	Apr-1998	125	1.4	12	13	12.9	11.6
From 500 feet north of Green Light-17 to 1,600 feet south of Green Can Buoy-19. (Cuts DU-7 & DU-8)	Apr-1998	125	0.9	12	6.8 (1)	8.1 (1)	8.9 (1)

Remarks:

(1) Shoaling across entire width of channel beginning at Green Buoy-19 and ending 900 feet north of Buoy-19 .

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

Page 1 of 1

August 1999

TO:
Executive Director, Florida Inland Navigation District
1314 Marcinski Road, Jupiter, FL

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, St. Johns Co., 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
Cut SJ-1 thru SJ-5 From Red Light-46 to the Palm Valley Lodge	Jun-1999	125	5.6	12	3.9 (1)	5.2 (1)	1.8 (1)
Cut SJ-6 thru SJ-8 (portion) From the Palm Valley Lodge to the Palm Valley Bridge	Jun-1999	125	3.2	12	2.0 (2)	4.2 (2)	1.5 (2)
Cut SJ-8 (portion) thru SJ-9 From the Palm Valley Bridge to 600 feet south of Green Light-3	Jun-1999	125	1.9	12	6.6 (3)	7.8 (3)	1.3 (3)

Remarks:

1. Shoaling throughout channel (Cuts SJ-1 & SJ-2) north and south of Red Light-48. Shoaling extends across channel in Cut SJ-3 and continues through Cut SJ-5 near the Palm Valley Lodge. Least depths occur near Palm Valley Lodge area.
2. Shoaling continues across entire channel (Cuts SJ-6 thru SJ-8) from area near Palm Valley Lodge to 500 feet north of the Palm Valley Bridge. Least depths occur in Cut SJ-6.
3. Shoaling across entire channel (Cuts SJ-8 and SJ-9) from 300 feet south of Palm Valley Bridge to 2,300 feet (0.4 nm) north of Green Light-3. Shoaling continues from this point along each edge of channel to 500 feet south of Green Light-3. Least depths occur just south of the Palm Valley Bridge.

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

February 2002

TO:
Executive Director, Florida Inland Navigation District
1314 Marcinski Road, Jupiter, FL

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, St. Johns Co.

MINIMUM DEPTHS IN EACH 1/4 WIDTH OF
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
IWW-Vicinity of Matanzas Inlets; Cut SJ-59 and widener: from 475 feet north of green Light-79 to 1400 feet north of red Nun Buoy-80A.	Jun-2001	125 - 230	0.45	12	11.3 (1)	12.2	13.0
Cuts SJ-60 and widener: from 1400 feet north of red Nun Buoy-80A to 400 feet north of green Buoy-81B.	Jan-2002	125 - 300	0.5	12	13.0	12.8	12.9
Cut SJ-61: from 400 feet north of green Buoy-81B to 600 feet south of Rattlesnake Island.	Jan-2002	125 - 300	1.3	12	12.6	12.5	11.8
Flagler County, Cut F-2: from 300 feet south of red Daybeacon-92 and extending 900 feet.	Jan-2002	125	0.2	12	12.1	11.9	10.7 (3)

Remarks:

1. Spot shoaling located along the eastern edge of channel from 200 feet north of and extending to 250 feet south of green Light-79.
2. Spot shoaling located along the western edge of channel approximately 350 feet south of red Daybeacon-92.

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

Page 1 of 2

June 2002

TO:
Executive Director, Florida Inland Navigation District
1314 Marcinski Road, Jupiter, FL

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, Volusia Co, 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
IWW, Volusia County - Vicinity of Ponce De Leon Inlet; Cut-V22: from green Light-67 to 350 feet south of green Light-1	Jun-2002	125-215	1.3	12	6.8 (1)	3.4 (1)	2.2 (1)
Cut V-23: from 350 feet south of green Light-1 to red Light-4	Jun-2002	125-270	0.5	12	3.7 (2)	0.4 (2)	0.4 (2)
Cut V-24: from red light-4 to 250 feet north of red Light-10	Jun-2002	125-270	2.1	12	7.1 (3)	3.7 (3)	1.6 (3)
Cut V-25 and V-26: from 250 feet north of red Light-10 to 150 feet west of red Light-14	Jun-2002	125-225	0.7	12	1.2 (4)	1.7 (4)	8.6 (4)
Cut V-27: from 150 feet west of red Light-14 to intersection with Cut-IS (Ponce De Leon Inlet)	Jun-2002	125-340	0.7	12	6.5 (5)	6.3 (5)	6.2 (5)
Cuts V-28 and V-29: from 500 feet east of green Light-19 to 400 feet north of red Light-26	Jun-2002	125-340	0.8	12	7.4 (6)	6.8 (6)	7.1 (6)
Cuts V-30 and V-31: from 400 feet north of red Light-26 to 500 feet south of red Light-30	Jun-2002	125-290	0.9	12	10.4 (7)	10.9 (7)	9.3 (6)
Cuts V-32 and V-33: from 500 feet south of red Light-30 to 500 feet west of green Light-35	Jun-2002	125-290	0.6	12	5.7 (8)	4.3 (8)	3.5 (8)
Cuts V-34 thru V-36: from 500 feet west of green Light-35 to the New Smyrna Beach Bridge	Jun-2002	125-290	0.8	12	4.2 (9)	6.4 (9)	11.6 (9)
Cuts V-36 and V-37: from the New Smyrna Beach Bridge to 100 feet north of red Daybeacon-46	Jun-2002	125-220	0.6	12	7.7 (10)	7.7 (10)	8.3 (10)
Cut V-38: from 100 feet north of red Daybeacon-46 to 200 feet south of green Light-53	Jun-2002	125-165	2.1	12	6.2 (11)	6.6 (11)	7.8 (11)
Cut V-39: from 200 feet south of green Light-53 to 150 feet south of red Light-60	Jun-2002	125	2.4	12	6.6 (12)	6.1 (12)	8.3 (12)
Cut V-40: from 150 feet south of red Light-60 to green Light-63	Jun-2002	125	0.6	12	8.8 (13)	8.4 (13)	7.9 (13)

Remarks:

1. Shoaling across entire channel from red Daybeacon-68 and extending just southward of green Daybeacon-69 as marked by USCG. Deeper water exists outside of Federal channel easterly toward green Daybeacon-69. Shoaling also located throughout

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

TO:
Executive Director, Florida Inland Navigation District
1314 Marcinski Road, Jupiter, FL

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, Volusia Co, 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			

entire channel in vicinity of green Light-1.

2. Extreme shoaling located across entire channel. Least depths occur between red Daybeacon-2 and red Nun Buoy-2A. US Coast Guard has marked more navigable water east of Federal Channel.
3. Shoaling located throughout entire channel. Least depths occur approximately 100 feet south of red Daybeacon-6, on west side of channel.
4. Shoaling located throughout entire channel. Least depths occur in widener of Cut V-25. Deeper water exists west of Federal channel in this area (toward red Light-10).
5. Shoaling located throughout entire widener of Cuts V-26 and V-27. Shoaling also located across entire channel from red Daybeacon-18 and extending approximately 300 feet eastward.
6. Shoaling throughout entire channel from 200 feet north of red Daybeacon-20 to green Light-21. Shoaling is also located throughout entire widener at red Daybeacon-24 to red Buoy-26.
7. Spot shoaling located throughout entire channel.
8. Shoaling throughout entire channel from just east of red Daybeacon-34 to green Light-35. From green Light-35 shoaling continues along the southern half of channel and widener.
9. Shoaling located throughout wideners and extends 100 feet inside the channel at approximately 150 feet north of red/green Daybeacon-Y.
10. Shoaling located throughout entire channel from approximately 600 feet south of New Smyrna Beach Bridge to red Light-42. From red Light-42 shoaling continues along the eastern edge of channel and widener.
11. Shoaling located throughout entire channel from red Daybeacon-46 to 1,100 feet north of green Daybeacon-47. Shoaling then continues along the eastern portion of channel for 700 feet. Spot shoaling also located approximately 1,000 feet north of and extending to red Daybeacon-50. Shoaling encompasses entire channel from 200 feet north of green Daybeacon-51 to green Light-53.
12. Shoaling located throughout entire channel.
13. Shoaling located throughout entire channel.

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

Page 1 of 1

September 1999

TO:
Executive Director, Florida Inland Navigation District
1314 Marcinski Road, Jupiter, FL, FL

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, Brevard Co., 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
IWW, vicinity of Haulover Canal: Cuts BV-1 to BV-4, from red Light-38 south to US-1/SR A-1-A Bridge	Jul-1999	125	2.1	12	7.4 (1)	8.4 (1)	9.5 (1)
Cut BV-4 & BV-5: from US-1/SR A-1-A Bridge south to red Light-12	Jul-1999	125	4.9	12	6.2 (2)	6.9 (2)	6.0 (2)
Widener of Cuts BV-5 & BV-6: from green Daybeacon-11 to green Daybeacon-13	Jul-1999	0-100	0.1	12	6.9 (3)	7.1 (3)	7.6 (3)
Cuts BV-6 to BV-8: from red Light-12 south to the FEC RR Bridge	Jul-1999	125	2.6	12	7.7 (4)	7.6 (4)	7.3 (4)
Cuts BV-8 to BV-9: from FEC RR Bridge south to a point 1 mile south of red Light-26	Jul-1999	125	2.1	12	9.5 (5)	10.5 (5)	10.0 (5)

Remarks:

1. Shoaling along both edges of channel from red Light-38 to approximately 200 feet south of green Daybeacon-43, then extending across most of channel to green Daybeacon-47. Shoaling continues 900 feet northerly of US-1/SR A-1-A Bridge and extends for 500 feet toward bridge. Least depth occurs approximately 150 feet east of red Daybeacon-44 on eastern side of channel.
2. Shoaling across entire channel from 3,300 feet (0.54 nm) south of US-1/SR A-1-A Bridge to red Light-12. Least depth occurs approximately 1,850 feet (0.3 nm) south of red Daybeacon-2.
3. Shoaling throughout entire widener.
4. Shoaling across entire channel from red Light-12 to 1,700 feet north of RR Bridge. Least depth occurs at red Light-12.
5. Shoaling throughout channel mainly along both edges from approximately 800 feet south of RR Bridge to green Daybeacon-27. Shoaling then extends across entire channel from Daybeacon-27 to 3,300 feet (0.54 nm) south. Least depth occurs approximately 2,500 feet (0.41 nm) south of Daybeacon-27.

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

TO:
Executive Director, Florida Inland Navigation District
1314 Marcinski Road, Jupiter, FL

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, Brevard, 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
IWW, Brevard County: Cut BV-10: from 100 feet south of green Light-29 to 100 feet north of red Light-32	Jul-2000	125	0.8	12	10.7 (1)	10.0 (1)	9.6 (1)
Cut BV-11: from 100 feet north of red Light-32 to green Light-35	Jul-2000	125	1	12	10.5 (1)	9.9 (1)	9.7 (1)
Cut BV-12: from green Light-35 to green Light-41	Jul-2000	125	3.4	12	9.9 (1)	10.4 (1)	9.7 (1)
Cut BV-13: from green Light-41 to green Light-43	Jul-2000	125	0.7	12	10.5 (1)	10.4 (1)	9.3 (1)
Cut BV-14: from green Light-43 to red Light-48	Jul-2000	125	1.7	12	9.3 (2)	10.4 (2)	9.3 (2)
Cut BV-15: from red Light-48 to green Light-55	Jul-2000	125	2.3	12	9.1 (3)	9.9 (3)	9.8 (3)
Cut BV-16: from green Light-55 to green Light-59	Jul-2000	125	1.5	12	10.6 (4)	9.8 (4)	8.8 (4)

Remarks:

1. Shoaling throughout entire channel from 100 feet south of green Light-29 of Cut BV-10 to green Light-43 of Cut BV-13.
2. Shoaling throughout entire channel from green Light-43 to 900 feet north of State Hwy 405 Bridge. Shoaling continues throughout entire channel from 1,200 feet north of green Daybeacon-47 to red Light-48.
3. Shoaling throughout entire channel from red Light-48 to 700 feet south of red Daybeacon-52. Shoaling continues throughout remainder of Cut BV-14 along the eastern and western side of channel to green Light-55.
4. Shoaling along the eastern and western quarters of channel from green Light-55 to 1,100 feet north of red Daybeacon-56. Shoaling then encompasses entire channel extending 1,900 feet south. From 1,700 feet south of red Daybeacon-56 shoaling continues along the eastern edge and western quarter of channel throughout remainder of Cut BV-16.

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

Page 1 of 1

September 2000

TO:
Executive Director, Florida Inland Navigation District
1314 Marcinski Road, Jupiter, FL

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, Brevard, 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
IWW, Brevard County: Cut BV-26: from 1,000 feet north of SR 518 Bridge to US Hwy 192 Bridge	Aug-2000	125	3.9	12	11.4 (1)	10.4 (1)	11.0 (1)
Cut BV-26: from US Hwy 192 to 350 feet south of red Light-14	Aug-2000	125	3.5	12	9.8 (2)	9.3 (2)	9.8 (2)
Cut BV-27: from 350 feet south of red Light-14 to green Light-21	Aug-2000	125	3.6	12	10.1 (3)	10.0 (3)	9.2 (3)
Cut BV-28: from green Light 21 to 200 feet south of red Daybeacon-22	Aug-2000	125	0.1	12	9.7 (4)	9.8 (4)	9.5 (4)

Remarks:

1. Minor shoaling throughout reach.
2. Shoaling throughout entire reach.
3. Shoaling throughout entire channel.
4. Shoaling throughout entire channel.

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

August 2000

TO:
Executive Director, Florida Inland Navigation District
1314 Marcinski Road, Jupiter, FL

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, Brevard, 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
Cut BV-36: from green Light-53 to green Light-57.	Jul-2000	125	1.4	12	8.4 (1)	8.5 (1)	8.3 (1)
Cut BV-37: from green Light-57 to red Light-60.	Jul-2000	125	0.7	12	8.6 (1)	10.2 (1)	9.6 (1)
Cut IR-1: from red Light-60 to green Light-63.	Jul-2000	125	1.1	12	9.5 (1)	9.2 (1)	9.3 (1)

Remarks:

1. Shoaling throughout entire channel from green Light-53 of Cut BV-35 to 900 feet north of green Light-63 of Cut IR-1. Shoaling then continues along the eastern and western edge of the channel to the end of Cut IR-1.

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

Page 1 of 1

June 2001

TO:
Executive Director, Florida Inland Navigation District
1314 Marcinski Road, Jupiter, FL, FL

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, Martin Co., 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
Cut M-4: from green Light-233 to 250 feet south of red Light-236	Jun-2001	125-220	0.5	10	9.5 (1)	8.4 (1)	9.3 (1)
Cut M-5: from 250 south of red Light-236 to 400 feet north of red Light-4	Jun-2001	125-220	1.2	10	6.7 (2)	6.6 (2)	6.3 (2)
Cuts M-6 & M-7: from 400 feet north of red Light-4 to green Light-9	Jun-2001	125 - 180	0.7	10	9.3 (3)	9.9 (3)	9.5 (3)
Cut M-8: from green Light-9 to green Light-11	Jun-2001	125	0.5	10	9.9 (4)	9.8 (4)	8.4 (4)
OWW; Cut-1: from 600 feet east of red Buoy-2 to 150 feet west of red Nun Buoy-6A.	Jun-2001	80 - 225	0.7	8	3.7 (5)	2.7 (5)	0.0 (5)
Cut-2: from 150 feet west of red Nun Buoy-6A to 300 feet north of green Light-11	Jun-2001	80-225	0.3	8	8.5 (6)	2.9 (6)	0.0 (6)
Cut-3: from 300 feet north of green Light-11 to 400 south of green Light-13	Jun-2001	80 - 120	0.2	8	12.9	14.1	13.2

Remarks:

1. Spot shoaling located from green Light-233 and extending approximately 600 feet south. Shoaling also located along the eastern half of channel from red Light-236 and extending 250 feet south to end of Cut M-4. Minor spot shoaling in the widener of Cuts M-4 and M-5.
2. Shoaling along western edge of channel from 250 feet south of red Light-236 to 300 feet south of green Daybeacon-239. From 300 feet south of green Daybeacon-239 shoaling extends throughout entire channel to red Light-240. Shoaling again encompasses entire channel from 1,300 feet south of red Light-240 to 250 feet north of green Light-3. Shoaling continues along western edge of channel from 250 feet north of green Light-3 to end of Cut M-5.
3. Minor shoaling along western edge of channel from red Light-4 extending 400 feet north. Minor shoaling located along the eastern edge of channel from green Daybeacon-3A to green Light-9.
4. Shoaling along eastern and western edges of channel from green Light-9 to green Light-11.
5. Shoaling from 200 feet east of red Buoy-2 and extending to 150 feet east of green Can Buoy-3A. Deeper water exists north of the Federal Channel as marked by the USCG. Shoaling also located on northern half of channel from 200 feet west of green Daybeacon-5 to 350 feet west of red Daybeacon-6. Deeper water is located south of the channel in this area, as marked by the USCG.
6. Extreme shoaling along northern edge of widener and extending throughout eastern half of channel to red Daybeacon-10. The USCG has marked more navigable water to the south of the Federal Channel.

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

Page 1 of 1

August 1999

TO:
Executive Director
Florida Inland Navigation District, FL

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, Palm Beach Co., 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
Vicinity of Jupiter Island, Cut P-1: From Green Light-53 to Green Light-59	Jun-1999	100	1.5	10	8.8 (1)	8.2 (1)	8.0 (1)
Cuts P-2 & P-3: From Green Light-59 to Green Lighted Buoy-1	Jun-199	100	0.7	10	9.8 (2)	6.0 (2)	5.2 (2)
Vicinity of Jupiter Inlet, Cut P-4: From Green Lighted Buoy-1 to 800 feet West of U.S. Highway 1 bridge	Jun-1999	100	0.5	10	8.0 (3)	4.7 (3)	3.2 (3)
Vicinity of Boynton Beach/Inlet, Cut P-50: From Red Light-44 to Red Daybeacon-48	Jun-1999	100	1	10	6.0 (4)	4.2 (4)	3.7 (4)

Remarks:

1. Shoaling along East and West edges of channel, beginning 1,100 feet south of Red Daybeacon-54 to 100 feet north of Red Daybeacon-56. Shoaling across entire width of channel beginning 500 feet north of and extending to Red Daybeacon-58.
2. Spot shoal in center of channel (near north end of Cut P-3), 1,000 feet south of State Road 707 bridge. Least depth is 7.5 feet MLW. Shoaling throughout south end of Cut P-3, beginning 600 feet north of Red Buoy-2 extending to turn in channel. Least depths centered around Red Buoy-2 in widener between Cuts P-3 and P-4. The USCG has marked more navigable waters between Buoys 1 & 2, south of northern limit of widener.
3. Continued shoaling across channel in vicinity of Red Buoy-2, extending approximately 200 feet west. Least depths occur north of Red Buoy-2.
4. Shoaling across entire channel beginning approximately 750 feet north of Red Nun Buoy-46 and extending 700 feet south of Buoy-46. Least depths occur near Red Nun Buoy-46. More navigable water exists outside (east) of Federal Channel in this area.

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

Page 1 of 1

November 2001

TO:
Executive Director
Florida Inland Navigation District, FL

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

RIVER/HARBOR NAME AND STATE
Intracoastal Waterway, Dade 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
IWW, Dade County: Cut DA-9: From Red Daybeacon-4A to Green Daybeacon-11	Sep-2001	125	1.1	10	4.1 (1)	4.7 (1)	9.8 (1)
From Green Daybeacon-11 to the Broad Causeway Bridge	Sep-2001	125	0.7	10	11.1	11.5	12.0
From the Broad Causeway Bridge to Green Light-23	Sep-2001	125	2.8	10	9.2 (2)	10.4	9.7 (2)
Bakers Haulover Inlet: From the seaward beginning of Cut-1 to the Highway A-1-A bridge	Sep-2001	100-200	0.3	11	14.1	14.3	12.3
Cut-1 (portion), 2 and 3: From Highway A-1-A bridge to Red Daybeacon-4A	Sep-2001	100-300	0.7	8	10.5	10.2	10.3
Cut-4: east/west cut between Cut-3 and IWW Cut DA-9	Sep-2001	100-450	0.1	8	8.8	8.9	9.9
Marina Basin: adjacent to Cut-3	Sep-2001	200	0.25	8	10.9	10.6	10.6

Remarks:

(1) Minor spot shoaling located along western edge of channel approximately 400 feet south of Red Daybeacon-6A and again at 1,000 feet south of Red Daybeacon-8. Shoaling also located along the eastern half of channel from 500 feet north to 500 feet south of Green Can Buoy-7. Shoaling also along the eastern edge of channel in vicinity of Green Light-9.

(2) Shoaling along eastern edge of channel at most southern end of Cut DA-9, located in the vicinity of Green Light-23 and extending approximately 1,100 feet north. Shoaling also along the western edge of channel from Green Daybeacon-21 to Red Daybeacon-22.

REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-316)

Page 1 of 1

June 2002

TO:
Executive Director, Florida Inland Navigation District
1314 Marcinski Road, Jupiter, FL

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

RIVER/HARBOR NAME AND STATE
New River, Broward, 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)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
IWW, Cut BW-43 thru BW-48: From 750 feet east of red Buoy-16 to red Buoy-24	Apr-2002	125-200	0.65	10	9.7	11.9	11.9
Cut-IN thru Cut-3: From intersection with IWW at red/green Buoy-14 to red Buoy-8	Apr-2002	100	0.7	8	6.3 (1)	8.7	8.7
Cut-4 thru Cut-6: From red Buoy-8 to 100 feet west of green Daybeacon-11	Apr-2002	100	0.3	8	7.9	8.7	9.1
Cut-IS: From green Daybeacon-5 to intersection with IWW at red Buoy-20	Apr-2002	100	0.3	8	10.7	8.6	8.1

Remarks:

1. Shoaling located along the southern edge of the channel, from green Daybeacon-5 to 400 feet east of red Buoy-8.

AERIAL CABLE CLEARANCES

LOCATION	VERTICAL CLEARANCE ABOVE MEAN HIGH WATER	STATUTE MILES COE	NOAA
Kinglsey Creek	80	3.7	720.7
Sisters Creek Bridge	80	22.2	739.2
Pablo Creek		24.0	741.8
Atlantic Blvd. Bridge	89	27.7	744.7
West of Neptune Beach	90	28.8	745.8
Beach Boulevard Bridge	80	30.6	747.6
Vilano Beach	100	58.8	775.8
Fox Cut	85	86.6	803.6
Flagler Beach	85	93.6	810.6
Bulow	85	99.0	816.0
Daytona Beach	98	113.1	830.1
New Smyrna Beach	85(1)	124.5	841.5
New Smyrna Beach	85	129.5	846.5
Allenhurst	85	152.1	869.1
Haulover Canal	85	152.7	869.1
Jones Point	85	168.2	885.2
City Point	85	177.0	894.0
Cocoa	88	181.1	898.1
Eau Gallie	90	197.4	914.4
Palm Bay	95	207.5	924.5
Vero Beach	85	236.4	953.4
South Canal Vicinity	85	237.8	954.8
Fort Pierce, 475' south of South Bridge	85	249.5	966.5
Herman Bay Pt. Vicinity	90	257.2	974.2
2.3 Miles south of Jupiter	83	290.1	1007.1
2.5 Miles north of Lake Park	85	296.1	1013.7
North Miami Beach	71(2)	361.0	1078.0
Jewfish Creek	80	417.1	1134.1

(1) Proposed aerial cable.

(2) Structure supporting cable collapsed and a temporary structure is now in place. Authorized clearance of 86 feet will be attained when permanent structure is built.

FLORIDA ATLANTIC INTRACOASTAL WATERWAY

MOVABLE BRIDGE GUIDE

OBEY THE LAW-AVOID UNNECESSARY BRIDGE OPENINGS-LOWER ANTENNAS AND OUTRIGGERS-OBEY THE LAW

LOCATION	STATUTE MILES		BRIDGE	CLEARANCE		REGULATIONS AND COMMENTS
	NORFOLK	FERNANDINA		ABOVE	(CLOSED)	
				MHW		
SOUTH FROM						
Sisters Creek	739.2	22.2	S.R. 105, Heckscher Dr.	24		Cross currents.
Jacksonville Beach	747.5	30.5	McCormick, U.S. 90	37		No openings April, May, Oct. & Nov., Mon. thru Fri., 7 to 9 am and 4:30 to 6:30 pm except on hour and half hour. Also no openings April, May, Oct. & Nov. on Sat., Sun. and Federal holidays, 12 noon to 6 pm except on hour and half hour.
Palm Valley	758.8	41.8	S.R. 210	9		No regulations, opens on demand.
St. Augustine	777.9	60.9	S.R. A1A, Bridge of Lions	25		No openings Mon. thru Fri., 7 am to 6 pm except on hour and half hour. No openings at 8 am, 12 noon and 5 pm. Also no openings Sat., Sun. and Federal holidays, 7 am to 6 pm except on hour and half hour.
Crescent Beach	788.6	71.6	S.R. 206	27		No regulations, opens on demand.
Flagler Beach	810.6	93.6	S.R. 100	65		No regulations, opens on demand.
Bulow	816	99	John Anderson Highway	15		No regulations, opens on demand.
Daytona Beach	829.7	112.7	Main Street	22		No regulations, opens on demand.
Daytona Beach	830.1	113.1	Carlton Black (Broadway)	20		No regulations, opens on demand.
Daytona Beach	830.6	113.6	Memorial	21		No openings Mon. thru Sat., 7:45 to 8:45 am and 4:45 to 5:45 pm except at 8:15 am and 5:15 pm. No restriction on Federal holidays.
New Smyrna Beach	845	128	Coronado Beach	23		No regulations, opens on demand.
Haulover Canal	869.2	152.2	S.R. A1A	27		No regulations, opens on demand.
Jay Jay	876.6	159.6	NASA Railroad	7		Normally open with green light flashing. Closes 8 min. after horn and red light warning.
Titusville	878.9	161.9	S.R. 402	9		No openings Mon. thru Fri., 6:45 to 7:45 am and 4:15 to 5:45 pm except Federal holidays.
Addison Point	885	168	Space Center Causeway	27		No openings Mon. thru Fri., 6:30 to 8:00 am and 3:30 to 5:00 pm except Federal Holidays.
Fort Pierce	964.8	247.8	S.R. A1A	26		No regulations, opens on demand.
Jensen Beach	981.4	264.4	S.R. 707A	24		No openings from Dec. 1 thru May 1, from 7 am to 6 pm, Mon. thru Fri. except on the hour and half hour.
Stuart	984.9	267.9	Ernest Lyons (S.R. A1A)	28		No openings from Dec. 1 to May 1, 7 am to 6 pm, Mon. thru Fri. except on the hour and half hour.
Hobe Sound	995.9	278.9	S.R. 708, Hobe Sound	21		No regulations, opens on demand.
Jupiter Island	1004.1	287.1	S.R. 707, Jupiter Island	25		No regulations, opens on demand.
Jupiter	1004.8	287.8	U.S.1	26		No regulations, opens on demand.
Jupiter	1006.2	289.2	S.R. 706, Indiantown	35		No regulations, opens on demand.
Juno Beach	1009.3	292.3	Donald Ross Road	35		No regulations, opens on demand.
Palm Beach Gardens	1012.6	295.6	PGA Blvd.	25		No openings Mon. thru Fri., 7 to 9 am and 4 to 7 pm, except on quarter hour and three quarter hour. Also no openings Sat., Sun. and Federal holidays, 8 am to 6 pm except on hour, 20 min. and 40 min. after the hour. From Nov. 1 to April 30 on weekdays from 9 am to 4 pm no openings except on hour, 20 min. and 40 min. after hour.
North Palm Beach	1013.7	296.7	Parker (U.S. 1)	25		No openings Mon. thru Fri., 7 to 9 am and 4 to 7 pm, except on hour and half hour. Also no openings Sat., Sun. and Federal holidays, 8 am to 6 pm except on hour, 20 min. and 40 min. after the hour. From Nov. 1 to April 30 on weekdays from 9 am to 4 pm no openings except on hour, 20 min. and 40 min. after hour.
Palm Beach	1021.8	304.8	Flagler Memorial	17		No openings from Nov. 1 to May 31, Mon. thru Fri., 8 to 9:30 am and 4 to 5:45 pm except at 8:30 am and 4:45 pm. From 9:30 am to 4 pm openings on hour and half hour.
Palm Beach	1022.6	305.6	Royal Park	14		No openings Nov. 1 thru May 31, Mon. thru Fri., 8 to 9:30 and 3:30 to 5:45 except at 8:45 am, 4:15 pm and 5 pm. From 9:30 to 3:30 openings on quarter and three quarter hour.
Palm Beach	1024.7	307.7	S.R. 700, Southern Blvd.	14		No openings Nov. 1 thru May 31, Mon. thru Fri., 7:30 to 9 am and 4:30 to 6:30 pm except at 8:15 am and 5:30 pm.
Lake Worth	1028.8	311.8	S.R. 802, Lake Worth Ave.	35		No regulations, open on demand.

Lantana	1031	314	Lantana Ave.	13	No openings Dec. 1 to April 30, Sat., Sun. and Federal holidays, 10 am to 6 pm except on hour, quarter hour, half hour and three quarter hour.
Boynton Beach	1035	318	Ocean Ave.		Construction of new bridge underway.
Boynton Beach	1035.8	318.8	15th Ave.	25	No regulations, opens on demand.
Delray Beach	1038.7	321.7	N.E. 8th St., George Bush Blvd.	9	No openings from Nov. 1 to May 31, 11 am to 6 pm on Sat., Sun. and Federal holidays except on the hour, quarter hour, half hour and three quarter hour.
Delray Beach	1039.6	322.6	S.R. 806, Atlantic Ave.	12	No openings Nov. 1 to May 31, Mon. thru Fri., 10 am to 6 pm except on hour and half hour.
Delray Beach	1041.1	324.1	Linton Blvd.	30	No regulations, opens on demand.
Boca Raton	1044.9	327.9	N.E. 40th St., Spanish River	21	No regulations, opens on demand.
Boca Raton	1047.5	330.5	S.R. 808, Palmetto Park	20	(New bridge under construction)
Boca Raton	1048.2	331.2	Camino Real	9	No openings from 7 am to 6 pm except on the hour, half hour and three quarter hour.
Deerfield Beach	1050	333	S.R. 810, Hillsboro Blvd.	21	Hazardous currents may exist at Hillsboro Canal, 100 yards north of bridge. No openings Oct. 1 thru May 31, 7 am to 6 pm except on hour, quarter hour, half hour and three quarter hour.
Pompano Beach	1055	338	N.E. 14th St.	15	No openings 7 am to 6 pm except quarter and three quarter hour.
Pompano Beach	1056	339	S.R. 814, Atlantic Blvd.	15	No openings 7 am to 6 pm except on hour and half hour.
Lauderdale By Sea	1059	342	Commercial Blvd.	15	No opening Nov. 1 thru May 15, Mon. thru Fri., 8 am to 6 pm except on hour, quarter, half and three quarter hour and on Sat., Sun. and Federal holidays from 8 am to 6 pm on the hour, 20 min. after and 40 min. after.
Fort Lauderdale	1060.6	343.5	S.R. 816, Oakland Park Blvd.	22	No openings Nov. 15 thru May 15, Mon. thru Fri., 7 am to 10 pm except on hour, 20 min. and 40 min. after the hour. Also during same period no openings Sat., Sun. and Federal holidays, 10 am to 10 pm except on hour, quarter, half and three quarter hour.
Fort Lauderdale	1062.2	345.6	Sunrise Blvd. (S.R. 838)	16	No openings from Nov. 15 thru May 15 from 10 am to 6 pm except hour, quarter hour, half and three quarter hour.
Fort Lauderdale	1064	347	Las Olas Blvd.	31	No regulations, opens on demand.
Fort Lauderdale	1065.9	348.9	Brooks Memorial, (S.E. 17th St.)	25	From 7 am to 7 pm the draw will not be reopened for 15 min. after closure.
Dania	1069.4	352.4	Beach Blvd.	22	No regulations, opens on demand.
Hollywood Beach	1070.5	353.5	Sheridan Ave.	22	No regulations, opens on demand.
Hollywood Beach	1072.2	355.2	S.R. 820, Hollywood Blvd.	25	No openings Nov. 15 thru May 15, 10 am to 6 pm except on hour and half hour. Also no openings May 16 thru Nov. 14, 9 am to 7 pm, Sat., Sun. and Federal holidays except on hour and half hour.
Hallandale	1074	357	Hallandale Beach Blvd. (S.R. 824)	22	No openings 7:15 am to 6:15 pm except on quarter and three quarter hour.
Sunny Isles	1078	361	S.R. 826, N.E. 163rd	36	No openings Mon. thru Fri., 7 am to 6 pm and Sat., Sun. and Federal holidays on quarter and three quarter hour.
Bay Harbor	1081.4	364.4	Broad Causeway	16	No openings 8 am to 6 pm except on quarter and three quarter hour.
Miami	1084.6	367.6	79th St. J.F.K. Causeway	19	No regulations, opens on demand.
Miami	1087.1	370.1	36th St. Julia Tuttle Causeway	56	(This is a fixed bridge)
Miami	1088.6	371.6	Venetian Causeway (West Span)	12	Currently open at all times until operations begin 7/99.
Miami	1089.4	372.4	Dodge Island Causeway	22	Draw is open except for trains.

The signal to request opening of a drawbridge is one prolonged blast followed by one short blast. To contact a bridge with marine radio, use VHF 9 as a calling and working frequency. The bridge will also monitor channel 16.

BE ADVISED that opening schedules may change for bridge construction, maintenance, inclement weather conditions, or special events. Please contact the District or the U.S. Coast Guard for a listing of these temporary schedule changes.

**Miles south from Norfolk. Mileages in this column are correlated directly with the markers (indicated every five miles) on applicable national ocean survey charts (11489, 11485, 11472, 11467).

Fixed bridges crossing the Atlantic Intracoastal Waterway are not listed in this guide. All fixed bridges crossing the channel of the Atlantic Intracoastal Waterway in Florida have a clearance of 65 feet above MHW except the Julia Tuttle Causeway in Miami, which has a 56 foot clearance.

Horizontal clearance between fenders at most bridges is 90 feet, however, some bridges may be less. The Bridge of Lions has the least horizontal clearance.

The information appearing in this guide was compiled from various sources, reproduced and distributed by the Florida Inland Navigation District. This format was chosen to make it a ready reference for those traversing the Atlantic Intracoastal Waterway in Florida. Additional copies may be obtained from the Florida Inland Navigation District, 1314 Marcinski Road, Jupiter, FL 33477, Telephone (561) 627-3386. The above information includes drawbridge operating regulations published by the U.S. Coast Guard through March 1998.

CHANNELS CROSSING FLORIDA KEYS

The Florida Keys have several channels leading from Hawk Channel in the Florida Straits to Biscayne Bay and Florida Bay on the westerly and northerly side of the Keys. These channels (except Largo Sound Channel) are not congressionally authorized navigation channels, therefore, the Corps of Engineers does not survey them for channel depth information. The following information is abstracted from NOAA Charts 11463, 11449, and 11445. Mariners should use care when navigating these channels and it is highly recommended Mariners seek local knowledge as to channel depths, conditions, hazards etc.

<u>NOAA</u> <u>MILE</u>	<u>CHANNEL</u>	<u>LOCATION</u>	<u>APPROXIMATE</u> <u>CONTROLLING</u> <u>DEPTH- FEET</u>
1097.7	Biscayne Chan.	South of Key Biscayne	7
1116	Caesar Creek	South end Elliott Key	4
1119.2	Broad Creek	South of Swan Key	2
1120.6	Angelfish Creek	North of Angelfish Key	4
1140	Largo Sound Chan.	Key Largo	3
1151.5	Tavernier Creek	Plantation Key	3
1156	Snake Creek	Windleg Key	4
1158	Whale Hbr. Chan.	IsLamorada	4
1160.7	Shell Key Channel	South end Upper Matecumbe Key	3
1160.8	Teatable Key Chan.	South end Upper Matecumbe Key	4
1163	Indian Key Channel	South end Upper Matecumbe Key	6
1164	Lignumvitae Chan.	North end Lower Matecumbe Key	4
1168	Channel Two	North end Lower Matecumbe Key	7
1170	Channel Five	North end Lower Matecumbe Key	8
1194.2	Knight Key Channel	Boot Key	8
1197	Moser Channel	South of Boot Key	7
1205	Bahia Channel	South of Bahia Honda Key	9
1218	Kemp. Channel	North of Cudjoe Key	1
1237	Cow Key Channel	Stock Island	3