CAUTION – Loran-C rate 7980-Z is scheduled to become operationally certified on July 1, 1979 and should not be used for navigation without consulting Local Coast Guard District Notice to Mariners for final operational date.

Formerly C&GS 1287, 1st Ed., Jan. 1923 C-1941-547

SOUNDINGS IN FEET

Nautical Chart Catalog No. 1, Panel L

11304 LORAN-A/C OVERPRINTED

UNITED STATES - GULF COAST
TEXAS

NORTHERN PART OF
LAGUNA MADRE

Mercator Projection
Scale 1:80,000 at Lat. 26°55′
North American 1927 Datum

SOUNDINGS IN FEET
AT GULF COAST LOW WATER DATUM (see note T)

TIDAL INFORMATION

Place	Height referred to datum of soundings (GCLWD)			
	Mean High Water	Mean Tide Level	Gulf Coast Low Water Datum	Extreme Low Water
	feet	feet	feet	feet
Padre Island (outer coast)	1.4	0.7	0.0	−2.5

(1077)

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1)

Lights (Lights are white unless otherwise indicated.):
F. fixed; Fl. flashing; Qk. quick; Gp. group; E. Int. equal interval; Mo. (A) morse code; Occ. occulting; Alt. alternating; I. Qk. interrupted quick; OBSC. obscured; WHIS. whistle; DIA. diaphone; M. nautical miles; Rot. rotating; SEC. sector; m. minutes; sec. seconds

Buoys: T.B. temporary buoy; C. can; N. nun; S. spar; B. black; R. red; Or. orange; G. green; W. white; Y. yellow

Bottom characteristics:
Cl. clay; Co. coral; G. gravel; Grs. grass; M. mud; Rk. rock; S. sand; Sh. shells; hrd. hard; rky. rocky; sft. soft; stk. sticky; bk. black; br. brown; bu. blue; gn. green; gy. gray; rd. red; wh. white; yl. yellow

21, (2) Wreck, rock, obstruction, or shoal swept clear to the depth indicated. Rocks that cover and uncover, with heights in feet above datum of soundings.

AERO. aeronautical; Bn. daybeacon; R. Bn. radiobeacon; R. TR. radio tower; C. G. Coast Guard station; D.F.S. distance finding station

AUTH. authorized; Obstr. obstruction; P.A. position approximate; E.D. existence doubtful.
COLREGS: International Regulations for Preventing Collisions at Sea, 1972.
Demarcation lines are shown thus: ——

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Survey (formerly the Coast and Geodetic Survey) with additional data from the Corps of Engineers, Geological Survey and U.S. Coast Guard.

INTRACOASTAL WATERWAY
(use charts 11306 and 11308)
The project depth is 12 feet from Aransas Pass to Port Isabel, Texas.
The controlling depths are published periodically in the U.S. Coast Guard Local Notice to Mariners.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

STORM WARNINGS
The NATIONAL WEATHER SERVICE displays storm warnings at the following approximate locations:
Port Mansfield (26°33.4′-97°25.6′)

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 5 for important supplemental information.

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Brownsville, Texas	KHB-33	162.55 MHz
Corpus Christi, Texas	KHB-41	162.55 MHz

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOTE X
TERRITORIAL SEA AND CONTIGUOUS ZONE
The lines delimiting the territorial sea and contiguous zone represent an interdepartmental committee's interpretation of legal principles as applied to geographical information. The lines are subject to revision when required by correction of the geographic information shown or by reinterpretation of the legal principles involved. Where differences occur between adjacent or overlapping charts, the lines shown on the most recent chart issue take precedence.

NOTE T
Gulf Coast Low Water Datum
The new term, Gulf Coast Low Water Datum (GCLWD), is completely interchangeable with the term Mean Low Water (MLW) on this chart. No adjustments are to be made in the soundings, shoreline, low water line, or the application of tide predictions for navigational purposes.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5, or weekly Notice to Mariners which include new or revised regulations. Information concerning the regulations may be obtained at the Office of the District Engineer, Corps of Engineers in Galveston, Texas.
Anchorage regulations may be obtained at the Office of the Commander, 8th Coast Guard District in New Orleans, La.
Refer to section numbers shown with area designation.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

PENASCAL RINCON

LORAN LINEAR INTERPOLATOR

PORT MANSFIELD CHANNEL
CORPS OF ENGINEERS REPORT OF AUGUST 1, 1979

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GULF COAST LOW WATER DATUM (GCLWD)			
NAME OF CHANNEL	DEPTH GCLWD (FEET)	WIDTH (FEET)	DATE OF SURVEY
JETTY AND SEA BAR CHANNEL	18.0	250	6-79
THENCE TO INTRACOASTAL WATERWAY	13.5	100	6.12-78
ENTRANCE CURVES AT I.W.W.	12	200	12-78
I.W.W. TH-TURNING BASIN	14	125-200	12-78
TURNING BASIN	14	200-400	2-78
SHRIMP BASIN (26°33′05″N., 97°25′52″W.)	12	350	2-78
SMALL CRAFT BASIN (26°33′05″N., 97°25′44″W.)	8	160	2-78

NOTE-CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE

PRODUCED BY COMPUTER ASSISTED METHODS

LORAN-A

GENERAL EXPLANATION

FREQUENCY CHANNELS (preceding H)
3 ..... 1900 kHz

BASIC PULSE RECURRENCE RATES
H (high) ..... 33⅓ pulses per second

SPECIFIC RECURRENCE RATES assigned for station identification (following H)
0, 2, 3

EXAMPLE: 3H2

RATES ON THIS CHART
3H0 3H2 3H3

Skywave corrections for all H (high) recurrence rates are indicated by ITAUC numerals.
The numerical exponent with the skywave correction indicates the recurrence rate to which it applies.

EXAMPLE: +0.5[9]

LORAN-C

GENERAL EXPLANATION

LORAN-C FREQUENCY ..... 100kHz.
PULSE REPETITION INTERVAL
7980 ..... 79,800 Microseconds
STATION TYPE DESIGNATORS: (Not individual station letter designators)
M ..... Master
W ..... Secondary
X ..... Secondary
Y ..... Secondary
Z ..... Secondary

EXAMPLE: 7980-X

RATES ON THIS CHART
7980-W 7980-X 7980-Y 7980-Z

The Loran-C lines of position overprinted on this chart have been prepared for use with ground wave signals and are presently compensated only for theoretical propagation delays which have not yet been verified by observed data. Mariners are cautioned not to rely entirely on the lattices in inshore waters. Sky wave corrections are not provided.

NOTE S
Regulations for ocean dumping sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices.

LORAN LINEAR INTERPOLATOR

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11304
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CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic /Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the print date shown in the lower left hand corner.

SOUNDINGS IN FEET
For LORAN-C rates 9930-W and Z see reverse side

FILE COPY

Published at Washington, D. C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

(Northern Part of Laguna Madre)
SOUNDINGS IN FEET - SCALE 1:80,000

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DMA STOCK NO. 11BC011304