This nautical chart has been designed to promote safe navigation. The National Ocean Survey encourages users to submit corrections, additions, or comments for improving this chart to the Director, National Ocean Survey, NOAA, Rockville, Maryland 20852.

CAUTION
CHANGES IN BUOYAGE
Mariners are advised that authorized aids to navigation are being changed to conform to maritime standards of the International Association of Lighthouse Authorities Maritime Buoyage System, Region B. Significant changes are: black port hand buoys to green; black and white vertically striped buoys to red and white vertically striped buoys; and lateral lights from white to red or green as appropriate. Changes to aids to navigation will be announced in the Defense Mapping Agency Hydrographic/Topographic Center weekly Notice to Mariners and the U.S. Coast Guard Local Notice to Mariners.

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

SOUNDINGS IN FEET

Nautical Chart Catalog No. 1, Panel L

11304
LORAN-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 MEAN LOWER LOW WATER

TIDAL INFORMATION

Place	Height referred to datum of soundings (MLLW)			
	Mean High Water	Mean Tide Level	Mean Lower Low Water	Extreme Low Water
	feet	feet	feet	feet
Padre Island (outer coast) (1082)	1.4	0.7	0.0	–3.0

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

Aids to Navigation (lights are white unless otherwise indicated):
AERO aeronautical; Alt alternating; B black; Bn beacon; C can; DIA diaphone; E Int equal interval (ISO); F fixed; Fl flashing; G green; Gp group; Iso isophase (E Int); LtHo lighthouse; M nautical mile; m minutes; Micro Tr microwave tower; Mkr marker; Mo morse code; N nun; OBSC obscured; Occ occulting; Or orange; Ot other; Pa Pat patent; Q quick; R red; Ra Ref radar reflector; R Bn radiobeacon; R Tr radio tower; Rot rotating; sec seconds; SEC sector; St M statute miles; W white; WHIS whistle; Y yellow

Bottom characteristics:
bk black; Bldr boulders; brk broken; C clay; Co coral; G gravel; Grs grass; hrd hard; M mud; Oys oysters; Rk rock; S sand; sft soft; Sh shells; stk sticky

Miscellaneous:
AUTH authorized; Obstr obstruction; PD position doubtful; Subm submerged; ED existence doubtful; PA position approximate; Rep reported; 21 Wreck, rock, obstruction, or shoal swept clear to the depth indicated; (21) Rocks that cover and uncover, with heights in feet above datum of soundings.
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 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.

MINERAL DEVELOPMENT STRUCTURES
Obstruction lights and sound (fog) signals are required for fixed mineral development structures shown on this chart, subject to approval by the District Commander, U.S. Coast Guard (33 CFR 67).

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.

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-Y

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

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.

PORT MANSFIELD CHANNEL
CORPS OF ENGINEERS REPORT OF OCT. 1, 1982
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GULF COAST LOW WATER DATUM (CCLWD)

NAME OF CHANNEL	DEPTH CCLWD (FEET)	WIDTH (FEET)	DATE OF SURVEY
JETTY AND SEA BAR CHANNEL	15.0	250	8-82
THENCE TO INTRACOASTAL WATERWAY	13.0	100	7-82
ENTRANCE CURVES AT I.W.W.	12.0	200	3-82
I.W.W. TO-TURNING BASIN	10.0	125-200	9-82
TURNING BASIN	12.0	200-400	3-82
SWITCH BASIN (26°33' 05"N., 97° 25' 52"W.)	12.0	350	3-82
SMALL CRAFT BASIN (26°33' 05"N., 97° 25' 49"W.)	8.0	160	3-82

NOTE-CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE
PRODUCED BY COMPUTER ASSISTED METHODS

LORAN LINEAR INTERPOLATOR

Nautical Miles
Yards

PENASCAL RINCON
Pt. Penascal
Yarborough
Murdock
Cuba I
Potrero Grande
Potrero Corrido
Potrero de las Canchas
Potrero Farias
Potrero Lopeno
Tres Marias
El Toro
Mesquite Rincon
Port Mansfield
Occ R 4sec 62ft
Dayboards not charted - use chart 11306
Discard Spoil Area
PORT MANSFIELD CHANNEL (see note)
INTRACOASTAL WATERWAY (see note)
Sand dunes
Sand spoil
Obstr Rep PA
Obstr Rep PA (50)
Marker
BOILER
Sodon pole
SAFETY FAIRWAY (see note A) 166.200
Dump Site (dredged material) Depths from surveys of 1969-70 (see note S)
Discontinued Disposal Area Depths from surveys of 1969-70
Mo (A) WHIS
Discontinued Disposal Area
CONTIGUOUS ZONE (see note X)
TERRITORIAL SEA (see note X)
(use chart 11308)
(use chart 11306)
(use chart 11307)
(JOINS CHART 11307)
(JOINS CHART 11301)
"MO-MU-881-L-A"
"ARCO-NPI-987-A"
R "WR4" Oc Fl HORN Priv maintd Wk (covered 82ft) 5.9
R "WR6" Oc Fl HORN Priv maintd Wk (covered 61 ft)

MAGNETIC
VAR 7°00'E (1983)
ANNUAL DECREASE 6'

LORAN-C LINES OF POSITION
7980-W-11100 ... 7980-W-11140
7980-X-23600 ... 7980-X-23650
7980-Y-46700 ... 7980-Y-46620

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

FATHOMS / FEET / METERS

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

11304
LORAN-C OVERPRINTED

10th Ed. Dec: 25/82

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.

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