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Nautical Chart Catalog No. I, Panel M

HOUSTON SHIP CHANNEL

CARPENTER BAYOU TO HOUSTON

UNITED STATES – GULF COAST

TEXAS

COAST SURVEY

Mercator Projection
Scale 1:10,000 at Lat. 29°43'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

PLANE COORDINATE GRID
(based on NAD 1927)

Texas State, South Central Zone, is indicated by dashed ticks at 4000 foot intervals thus +

BUFFALO BAYOU

Mercator Projection
Scale 1:10,000 at Lat. 29°45'

BUFFALO BAYOU
The controlling depth from Jensen Drive Bridge to the Southern Pacific Dock, a distance of 0.6 mile, is 10 feet for a width of 80 feet.
March 1994

HOUSTON
MAGNOLIA PARK
CLINTON PARK
GALENA PARK
HIDALGO PARK
HARRISBURG
MANCHESTER
Brady Island
Turning Basin (see note B) (see tabulation)
Turkey Bend Cutoff
Upper Clinton Bend
Sims Bayou
Greens Bayou
Buffalo Bayou
Houston Ship Channel
Manchester Dock 2
Grain Elevator
Todd Shipyard Corporation
Armco Steel Corp
Phillips Chemical Corporation Adams Tahuical
Olin-Mathieson Chemical Corporation
Warren Petroleum Corp
Hess Terminal Corp (Noriswing Terminal)
Shell Oil Company
Carpenter Bayou
Patrick Bayou
Burgy Bayou
Old River
Clinton Drive
Jensen Drive
Lockport Street
Navigation Blvd
Clinton Park Bayou
Washburn Tunnel Entrance
Turning Basin
Turning Point
Sims Bayou Turning Point
Pipeline Area
Cable Area
Dolphin
Tank
Tower
Stack
Water Tower
Gas Holder
Dock
Wharf
Pier
Slip
Quay
Ferry Landing
Ferry Slip
Boat Ramp
Fishing Pier
Fishing Piles
Marina
Boat Harbor
Boat Basin
Boat Ramp
Foul Area
Submerged Pipeline
Submerged Cable
Overhead Pipeline
Overhead Cable
Aerial Cable
Radio Tower
Radio Mast
Flagpole
Monument
Church
Cemetery
Hospital
Lighthouse
Range Lights
Buoy
Daybeacon
Lighted Buoy
Lighted Daybeacon
Gas Buoy
Whistle Buoy
Bell Buoy
Anchorage Area
Anchorage Berth
Quarantine Anchorage
Explosives Anchorage
Spoil Area
Spoil Ground
Dredged Area
Dredging Area
Submerged Jetty
Submerged Breakwater
Submerged Groin
Submerged Wreck
Submerged Rock
Submerged Obstruction
Submerged Piling
Submerged Crib
Submerged Dolphin
Submerged Pile
Submerged Snag
Submerged Stump
Submerged Tree
Submerged Log
Submerged Boom
Submerged Fish Trap
Submerged Fish Haven
Submerged Fish Stake
Submerged Fish Weir
Submerged Fish Net
Submerged Fish Trap
Submerged Fish Haven
Submerged Fish Stake
Submerged Fish Weir
Submerged Fish Net

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

Aids to Navigation (lights are white unless otherwise indicated):
ABN aeronautical, Al alternating, Bl black, Bn beacon, C can, DA diaphone, F fixed, Fl flashing, G green, IQ interrupted quick, Iso isophase, LT HO lighthouse, M nautical mile, m minutes, MORC TR microwave tower, Mor morse, Mo morse code, N nun, OBSC obscured, Oc occulting, Or orange, Q quick, R red, Ra Ref radar reflector, R Bn radiobeacon, R TR radio tower, Rot rotating, s seconds, SEC sector, St M statute miles, VQ very quick, W white, WHIS whistle, Y yellow

Bottom characteristics:
Blds boulders, Co coral, br broken, Cy clay, gy gray, G gravel, Grs grass, h hard, M mud, Oys oysters, Rk rock, S sand, sd soft, Sh shells, sy sticky

Miscellaneous:
AUTH authorized, ED existence doubtful, PA position approximate, PD position doubtful, Rep reported, Subm submerged

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

NOAA VHF-FM WEATHER BROADCASTS

The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but generally is usually 20 to 40 miles from the antenna site.

Galveston, Texas KHB-40 162.55 Mhz
Houston, Texas KGS-68 162.40 MHz

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

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.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.83" northward and 0.73" westward to agree with this chart.

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, and U.S. Coast Guard.

CAUTION

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

CAUTION

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

TIDES

There is practically no periodic tide. The rise and fall of the water depends upon meteorological conditions.

CAUTION

BASCULE BRIDGE CLEARANCES

For bascule bridges whose spans do not open to a full vertical clearance position, unlimited vertical clearance is not available for the entire charted horizontal clearance.

SUPPLEMENTAL INFORMATION

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

AIDS TO NAVIGATION

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

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.

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 8th Coast Guard District in New Orleans, LA, or at the Office of the District Engineer, Corps of Engineers in Galveston, TX.

Refer to charted regulation section numbers.

NOTE B

The U.S. Coast Guard operates a mandatory Vessel Traffic Services (VTS) system in the Houston and Galveston waterways. Vessel operating procedures and designated radiotelephone frequencies are published in 33 CFR 161, the U.S. Coast Pilot, and/or the VTS User's Manual.

HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2000

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT).

NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	PROJECT DIMENSIONS WIDTH (FEET)	DEPTH BELOW MLLW (FEET)	ADDED DEPTH ALLOW. (FEET)
HOUSTON SHIP CHANNEL:								
EXXON OIL CO. SLIP								
TO CARPENTER BAYOU (A)	39.0	40.0	42.0	39.0	11-98	400-425	4.90	40
THENCE TO GREENS BAYOU (B)	34.0	37.0	37.0	33.0	11-98	400-500	4.70	40
TURNING BASIN CHANNEL:								
(TO FIRST BEND)	33.0	35.0	36.0	33.0	8-98	550-725	5.20	38
THENCE TO HARTRG.								
BAYOU (UPPER BEND)	39.0	42.0	41.0	40.0	1-00	300	5.30	40
TURNING POINT AT HARTRG BAYOU	37.0	40.0	40.0	38.0	4-98	600	5.20	40
TURNING BASIN (SOUTHERN								
PACIFIC SLIP)	37.0	41.0	41.0	39.0	4-98	350	5.10	40
TURNING POINT AT SIMS BAYOU	38.0	39.0	42.0	39.0	4-98	700	5.30	40
THENCE TO HOUSTON								
TURNING BASIN WHARF 19	34.0	36.0	37.0	36.0	1-00	300	5.70	38
TURNING POINT AT BEAVY ISLAND	32.0	35.0	36.0	35.0	1-00	400	5.20	38
HOUSTON TURNING BASIN	32.0	34.0	34.0	32.0	1-00	200-1000	5.60	38
UPPER TURNING BASIN	16.0	18.0	18.0	16.0	1-00	150	5.20	38

A. CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO.

B. CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP.

INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS, GALVESTON DISTRICT. DEPTHS ARE GIVEN IN FEET AND TENTHS AT MEAN LOWER LOW WATER. ADDED DEPTH APPROXIMATE CONVERSION TO MEAN HIGHER LOW WATER. ADD 1 FOOT TO DEPTHS IN THE TABULATION.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

LOGARITHMIC SPEED SCALE

To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots.

Nautical Mile
Yards

LORAN LINES

LORAN (9960-Y) 29° 45' 95° 21'
LORAN (9960-Z) 29° 45' 95° 18'
LORAN (9960-Y) 29° 40' 95° 21'
LORAN (9960-Z) 29° 40' 95° 18'

(LORAN SECTION ABOVE)
(LORAN SECTION BELOW)

JOINS CHART 11323

33rd Ed., Apr. 1/00 ■

11325

CAUTION

This chart has been corrected from the Notice to Mariners published weekly by the National Imagery and Mapping Agency and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

SOUNDINGS IN FEET

OUR SEAS AND OUR SKIES

200 years

OF EXCELLENCE AT NOAA

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

FATHOMS 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 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

FEET 1 2 3 4 5 6 7 8 9 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360

METERS 1 2 3 4 5 6 7 8 9 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360

Houston Ship Channel, Carpenter Bayou to Houston
SOUNDINGS IN FEET - SCALE 1:10,000

11325

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(MAR REFERENCE NO.) 11HA11325