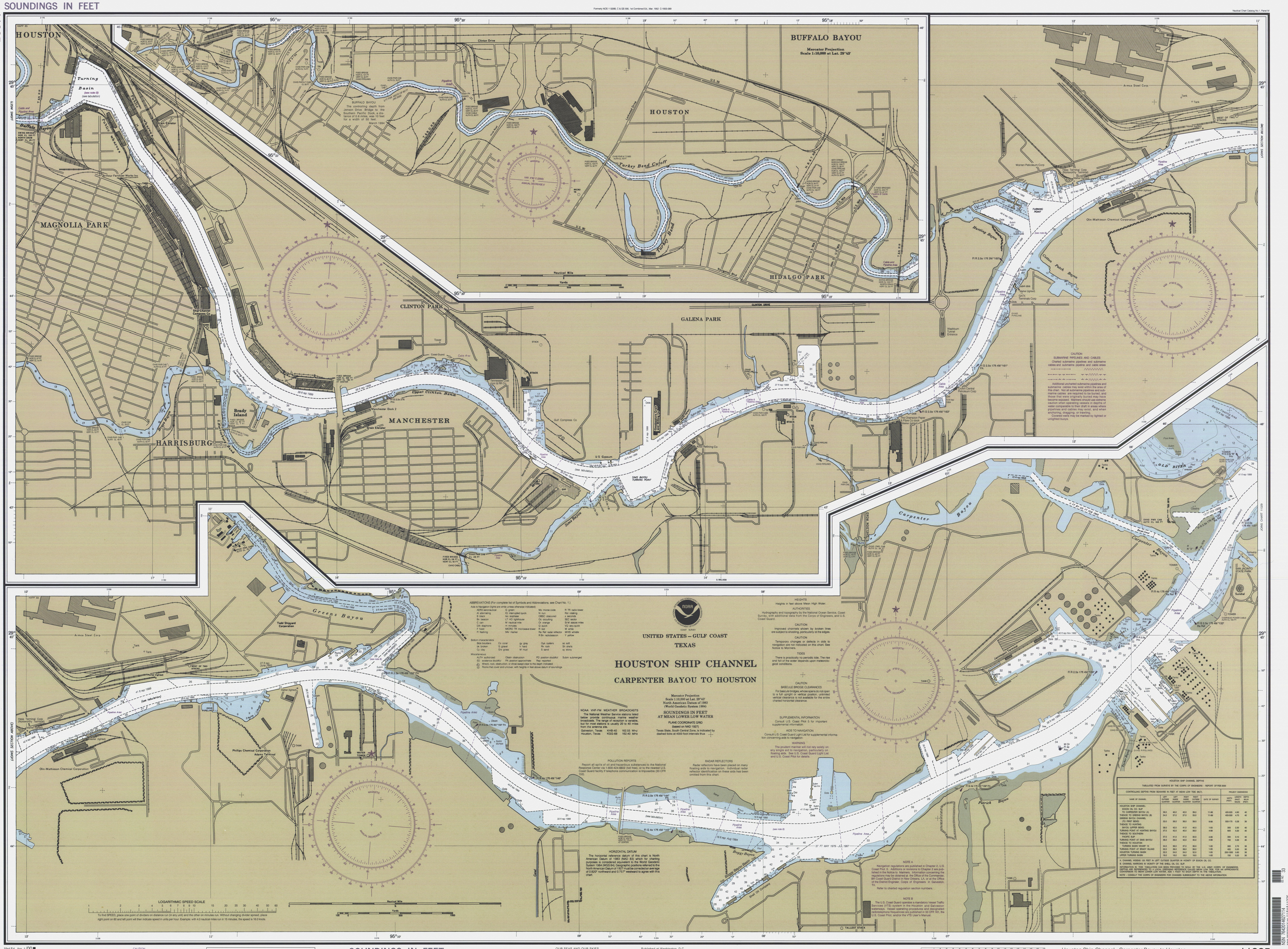
Formerly NOS 11320B, C & GS 590, 1st Combined Ed., Mar. 1962 C-1953-389

Nautical Chart Catalog No. I, Panel M



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

Aids to Navigation (lights are white unless otherwise indicated)

AERO aeronautical	G green	Mo morse code	R TR radio tower
Al alternating	IQ interrupted quick	N nun	Rot rotating
B black	Iso isophase	OBSC obscured	s seconds
Bn beacon	LT HO lighthouse	Oc occulting	SEC sector
C can	M nautical mile	Or orange	St M statute miles
DIA diaphone	m minutes	Q quick	VQ very quick
F fixed	MICRO TR microwave tower	R red	W white
Fl flashing	Mkr marker	Ra Rar radar reflector	WHS whistle
		Rb Rbn radiobeacon	Y yellow

Bottom characteristics

Blds boulders	Co coral	gg gray	Oys oysters	sc soft
bk broken	G gravel	h hard	Rk rock	Sh shells
Cy clay	Grs grass	M mud	S sand	sy sticky

Miscellaneous

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

UNITED STATES – GULF COAST

TEXAS

HOUSTON SHIP CHANNEL

CARPENTER BAYOU TO HOUSTON

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

NOAA VHF-FM WEATHER BROADCASTS

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

Galveston, Texas	KHB-40	162.55 Mhz
Houston, Texas	KGG-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 0.820" northward and 0.75.7" 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, vertical clearances do not open to a full upright position, and for positive, extended 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.

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.

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 charted, and those charted 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.

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 OUTER QUARTER	LEFT INNER QUARTER	RIGHT INNER QUARTER	RIGHT OUTER QUARTER	DATE OF SURVEY	PROJECT DIMENSIONS WIDTH (FEET)	LENGTH (MILES)	DEPTH (FEET)
HOUSTON SHIP CHANNEL:								
EXXON OIL CO. SUP. TO CARPENTER BAYOU (A)	39.0	40.0	42.0	39.0	11-98	400-425	4.90	40
THENCE TO CINDEA BAYOU (B)	34.0	37.0	37.0	35.0	11-98	400-350	4.70	40
TO FIRST BEND (C)	33.0	36.0	34.0	36.0	8-98	550-175	0.20	38
THENCE TO HUNTING BAYOU JUPPER BINGS	39.0	42.0	41.0	40.0	1-00	300	2.30	40
TURNING POINT AT HUNTING BAYOU	37.0	40.0	40.0	38.0	4-99	600	0.20	40
TO SHELL OIL SOUTHERN PACIFIC SUP.	37.0	41.0	41.0	35.0	4-99	300	0.10	40
TURNING POINT AT SIMS BAYOU	35.0	39.0	42.0	40.0	4-99	750	0.90	40
THENCE TO HOUSTON TURNING BASIN WHARF 19	34.0	36.0	37.0	36.0	1-00	300	2.70	38
TURNING POINT AT BRADY ISLAND	32.0	36.0	36.0	35.0	1-00	400	0.20	38
HOUSTON TURNING BASIN	32.0	34.0	34.0	32.0	1-00	250-1000	0.60	38
UPPER TURNING BASIN	16.0	16.0	16.0	16.0	1-00	150	0.20	36

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. SUP.

INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS, GALVESTON DISTRICT. THE DEPTHS SHOWN ARE THE CONTROLLING DEPTHS FOR THE PROJECT AND APPROXIMATE COORDINATES TO MEAN CHANNEL LOW WATER. ADD 1 FOOT TO ENSUE DEPTHS IN THE TABULATION.

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

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 (NCS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

SOUNDINGS IN FEET

OUR SEAS AND OUR SKIES

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 15 20 25 30 35 40 45 50 60 70 80 90 100 120

FEET 5 10 15 20 25 30 35 40 45 50 60 70 80 90 100 120 150 180

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 35 40 45 50 55 60 65 70 75 80 85 90 95 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000

Houston Ship Channel, Carpenter Bayou to Houston

SOUNDINGS IN FEET • SCALE 1:10,000

11325

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NAVIGATION RESPONSE NO. 11 NAA11325