

THE NATIONAL CHARTMAKER SINCE 1807  
 UNITED STATES  
 TEXAS - GULF COAST

# HOUSTON SHIP CHANNEL

## ALEXANDER ISLAND TO CARPENTERS BAYOU

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

Additional information can be obtained at nauticalcharts.noaa.gov.

**ABBREVIATIONS** For complete list of Symbols and Abbreviations, see Chart No. 1.  
 Aids to Navigation (Aids) are shown unless otherwise indicated:  
 AFD, Afloat Daymark; B, Buoy; C, Can; D, Daymark; F, Light; G, Light; H, Light; I, Light; J, Light; K, Light; L, Light; M, Light; N, Light; O, Light; P, Light; Q, Light; R, Light; S, Light; T, Light; U, Light; V, Light; W, Light; X, Light; Y, Light; Z, Light; AA, Light; AB, Light; AC, Light; AD, Light; AE, Light; AF, Light; AG, Light; AH, Light; AI, Light; AJ, Light; AK, Light; AL, Light; AM, Light; AN, Light; AO, Light; AP, Light; AQ, Light; AR, Light; AS, Light; AT, Light; AU, Light; AV, Light; AW, Light; AX, Light; AY, Light; AZ, Light; BA, Light; BB, Light; BC, Light; BD, Light; BE, Light; BF, Light; BG, Light; BH, Light; BI, Light; BJ, Light; BK, Light; BL, Light; BM, Light; BN, Light; BO, Light; BP, Light; BQ, Light; BR, Light; BS, Light; BT, Light; BU, Light; BV, Light; BW, Light; BX, Light; BY, Light; BZ, Light; CA, Light; CB, Light; CC, Light; CD, Light; CE, Light; CF, Light; CG, Light; CH, Light; CI, Light; CJ, Light; CK, Light; CL, Light; CM, Light; CN, Light; CO, Light; CP, Light; CQ, Light; CR, Light; CS, Light; CT, Light; CU, Light; CV, Light; CW, Light; CX, Light; CY, Light; CZ, Light; DA, Light; DB, Light; DC, Light; DD, Light; DE, Light; DF, Light; DG, Light; DH, Light; DI, Light; DJ, Light; DK, Light; DL, Light; DM, Light; DN, Light; DO, Light; DP, Light; DQ, Light; DR, Light; DS, Light; DT, Light; DU, Light; DV, Light; DW, Light; DX, Light; DY, Light; DZ, Light; EA, Light; EB, Light; EC, Light; ED, Light; EE, Light; EF, Light; EG, Light; EH, Light; EI, Light; EJ, Light; EK, Light; EL, Light; EM, Light; EN, Light; EO, Light; EP, Light; EQ, Light; ER, Light; ES, Light; ET, Light; EU, Light; EV, Light; EW, Light; EX, Light; EY, Light; EZ, Light; FA, Light; FB, Light; FC, Light; FD, Light; FE, Light; FF, Light; FG, Light; FH, Light; FI, Light; FJ, Light; FK, Light; FL, Light; FM, Light; FN, Light; FO, Light; FP, Light; FQ, Light; FR, Light; FS, Light; FT, Light; FU, Light; FV, Light; FW, Light; FX, Light; FY, Light; FZ, Light; GA, Light; GB, Light; GC, Light; GD, Light; GE, Light; GF, Light; GG, Light; GH, Light; GI, Light; GJ, Light; GK, Light; GL, Light; GM, Light; GN, Light; GO, Light; GP, Light; GQ, Light; GR, Light; GS, Light; GT, Light; GU, Light; GV, Light; GW, Light; GX, Light; GY, Light; GZ, Light; HA, Light; HB, Light; HC, Light; HD, Light; HE, Light; HF, Light; HG, Light; HH, Light; HI, Light; HJ, Light; HK, Light; HL, Light; HM, Light; HN, Light; HO, Light; HP, Light; HQ, Light; HR, Light; HS, Light; HT, Light; HU, Light; HV, Light; HW, Light; HX, Light; HY, Light; HZ, Light; IA, Light; IB, Light; IC, Light; ID, Light; IE, Light; IF, Light; IG, Light; IH, Light; II, Light; IJ, Light; IK, Light; IL, Light; IM, Light; IN, Light; IO, Light; IP, Light; IQ, Light; IR, Light; IS, Light; IT, Light; IU, Light; IV, Light; IW, Light; IX, Light; IY, Light; IZ, Light; JA, Light; JB, Light; JC, Light; JD, Light; JE, Light; JF, Light; JG, Light; JH, Light; JI, Light; JJ, Light; JK, Light; JL, Light; JM, Light; JN, Light; JO, Light; JP, Light; JQ, Light; JR, Light; JS, Light; JT, Light; JU, Light; JV, Light; JW, Light; JX, Light; JY, Light; JZ, Light; KA, Light; KB, Light; KC, Light; KD, Light; KE, Light; KF, Light; KG, Light; KH, Light; KI, Light; KJ, Light; KK, Light; KL, Light; KM, Light; KN, Light; KO, Light; KP, Light; KQ, Light; KR, Light; KS, Light; KT, Light; KU, Light; KV, Light; KW, Light; KX, Light; KY, Light; KZ, Light; LA, Light; LB, Light; LC, Light; LD, Light; LE, Light; LF, Light; LG, Light; LH, Light; LI, Light; LJ, Light; LK, Light; LL, Light; LM, Light; LN, Light; LO, Light; LP, Light; LQ, Light; LR, Light; LS, Light; LT, Light; LU, Light; LV, Light; LW, Light; LX, Light; LY, Light; LZ, Light; MA, Light; MB, Light; MC, Light; MD, Light; ME, Light; MF, Light; MG, Light; MH, Light; MI, Light; MJ, Light; MK, Light; ML, Light; MM, Light; MN, Light; MO, Light; MP, Light; MQ, Light; MR, Light; MS, Light; MT, Light; MU, Light; MV, Light; MW, Light; MX, Light; MY, Light; MZ, Light; NA, Light; NB, Light; NC, Light; ND, Light; NE, Light; NF, Light; NG, Light; NH, Light; NI, Light; NJ, Light; NK, Light; NL, Light; NM, Light; NN, Light; NO, Light; NP, Light; NQ, Light; NR, Light; NS, Light; NT, Light; NU, Light; NV, Light; NW, Light; NX, Light; NY, Light; NZ, Light; OA, Light; OB, Light; OC, Light; OD, Light; OE, Light; OF, Light; OG, Light; OH, Light; OI, Light; OJ, Light; OK, Light; OL, Light; OM, Light; ON, Light; OO, Light; OP, Light; OQ, Light; OR, Light; OS, Light; OT, Light; OU, Light; OV, Light; OW, Light; OX, Light; OY, Light; OZ, Light; PA, Light; PB, Light; PC, Light; PD, Light; PE, Light; PF, Light; PG, Light; PH, Light; PI, Light; PJ, Light; PK, Light; PL, Light; PM, Light; PN, Light; PO, Light; PP, Light; PQ, Light; PR, Light; PS, Light; PT, Light; PU, Light; PV, Light; PW, Light; PX, Light; PY, Light; PZ, Light; QA, Light; QB, Light; QC, Light; QD, Light; QE, Light; QF, Light; QG, Light; QH, Light; QI, Light; QJ, Light; QK, Light; QL, Light; QM, Light; QN, Light; QO, Light; QP, Light; QQ, Light; QR, Light; QS, Light; QT, Light; QU, Light; QV, Light; QW, Light; QX, Light; QY, Light; QZ, Light; RA, Light; RB, Light; RC, Light; RD, Light; RE, Light; RF, Light; RG, Light; RH, Light; RI, Light; RJ, Light; RK, Light; RL, Light; RM, Light; RN, Light; RO, Light; RP, Light; RQ, Light; RR, Light; RS, Light; RT, Light; RU, Light; RV, Light; RW, Light; RX, Light; RY, Light; RZ, Light; SA, Light; SB, Light; SC, Light; SD, Light; SE, Light; SF, Light; SG, Light; SH, Light; SI, Light; SJ, Light; SK, Light; SL, Light; SM, Light; SN, Light; SO, Light; SP, Light; SQ, Light; SR, Light; SS, Light; ST, Light; SU, Light; SV, Light; SW, Light; SX, Light; SY, Light; SZ, Light; TA, Light; TB, Light; TC, Light; TD, Light; TE, Light; TF, Light; TG, Light; TH, Light; TI, Light; TJ, Light; TK, Light; TL, Light; TM, Light; TN, Light; TO, Light; TP, Light; TQ, Light; TR, Light; TS, Light; TT, Light; TU, Light; TV, Light; TW, Light; TX, Light; TY, Light; TZ, Light; UA, Light; UB, Light; UC, Light; UD, Light; UE, Light; UF, Light; UG, Light; UH, Light; UI, Light; UJ, Light; UK, Light; UL, Light; UM, Light; UN, Light; UO, Light; UP, Light; UQ, Light; UR, Light; US, Light; UT, Light; UU, Light; UV, Light; UW, Light; UX, Light; UY, Light; UZ, Light; VA, Light; VB, Light; VC, Light; VD, Light; VE, Light; VF, Light; VG, Light; VH, Light; VI, Light; VJ, Light; VK, Light; VL, Light; VM, Light; VN, Light; VO, Light; VP, Light; VQ, Light; VR, Light; VS, Light; VT, Light; VU, Light; VV, Light; VW, Light; VX, Light; VY, Light; VZ, Light; WA, Light; WB, Light; WC, Light; WD, Light; WE, Light; WF, Light; WG, Light; WH, Light; WI, Light; WJ, Light; WK, Light; WL, Light; WM, Light; WN, Light; WO, Light; WP, Light; WQ, Light; WR, Light; WS, Light; WT, Light; WU, Light; WV, Light; WW, Light; WX, Light; WY, Light; WZ, Light; XA, Light; XB, Light; XC, Light; XD, Light; XE, Light; XF, Light; XG, Light; XH, Light; XI, Light; XJ, Light; XK, Light; XL, Light; XM, Light; XN, Light; XO, Light; XP, Light; XQ, Light; XR, Light; XS, Light; XT, Light; XU, Light; XV, Light; XW, Light; XX, Light; XY, Light; XZ, Light; YA, Light; YB, Light; YC, Light; YD, Light; YE, Light; YF, Light; YG, Light; YH, Light; YI, Light; YJ, Light; YK, Light; YL, Light; YM, Light; YN, Light; YO, Light; YP, Light; YQ, Light; YR, Light; YS, Light; YT, Light; YU, Light; YV, Light; YW, Light; YX, Light; YY, Light; YZ, Light; ZA, Light; ZB, Light; ZC, Light; ZD, Light; ZE, Light; ZF, Light; ZG, Light; ZH, Light; ZI, Light; ZJ, Light; ZK, Light; ZL, Light; ZM, Light; ZN, Light; ZO, Light; ZP, Light; ZQ, Light; ZR, Light; ZS, Light; ZT, Light; ZU, Light; ZV, Light; ZW, Light; ZX, Light; ZY, Light; ZZ, Light.

**HORIZONTAL DATUM**  
 The horizontal datum of this chart is the North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographical positions referred to the North American Datum of 1927 must be corrected an average of 0.08" northward and 0.70" westward to agree with this chart.

**HURRICANES AND TROPICAL STORMS**  
 Hurricanes, tropical storms and other major storms may cause considerable damage to marine structures, aids to navigation and moored vessels, resulting in submerged debris in unknown locations. Charted soundings, channel depths and shoelines may not reflect actual conditions following these storms. These aids to navigation may have been damaged or destroyed. Buoys may have been moved from their charted positions, damaged, sunk, extinguished or otherwise made inoperative. Mariners should not rely upon the position or operation of any aid to navigation. Wrecks and submerged obstructions may have been disclosed from charted locations. There may have become uncharted or moved.

Mariners are urged to exercise extreme caution and are requested to report aids to navigation discrepancies and hazards to navigation to the nearest United States Coast Guard Unit.

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

**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.

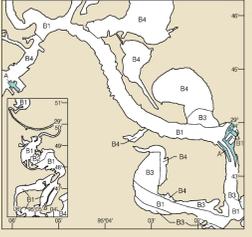
**SUPPLEMENTAL INFORMATION**  
 Consult U.S. Coast Pilot 5 for important supplemental information.

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

**CAUTION**  
 Only marine radioisotopes have been calibrated for surface use. Limitations on the use of certain other radioisotopes as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Imagery and Mapping Agency Publication 117. Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution. Station positions are shown thus: (C) (Magnetic location) (Magnetic location).

**SOURCE DIAGRAM**  
 The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Charted hydrography may originate from these and prior surveys conducted, maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

DATE	AGENCY	COVERAGE
1990-2001	NOCS Surveys	Full bottom coverage
1990-1999	NOCS Surveys	Partial bottom coverage
1978-1989	NOCS Surveys	Partial bottom coverage
1940-1969	NOCS Surveys	Partial bottom coverage
1900-1939	NOCS Surveys	Partial bottom coverage



**HOUSTON SHIP CHANNEL DEPTHS**  
 TABLED FROM SURVEYS BY THE CORPS OF ENGINEERS, REPORT OF FEBRUARY 1915.

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SHOWN IN FEET AT MEAN LOW TIDE (M.L.T.)				PROJECT DIMENSIONS			
	LEFT QUARTER	RIGHT QUARTER	DEPTH	DATE OF SURVEY	WIDTH (FEET)	DEPTH (FEET)	DATE OF SURVEY	DEPTH (FEET)
CHANGING DEPTHS FROM SHOWN IN FEET AT MEAN LOW TIDE (M.L.T.)	350	465	480	415	914	4000.05	4.36	45
CHANGING DEPTHS FROM SHOWN IN FEET AT MEAN LOW TIDE (M.L.T.)	450	480	470	480	1014	4000.05	5.40	45
CHANGING DEPTHS FROM SHOWN IN FEET AT MEAN LOW TIDE (M.L.T.)	350	390	370	385	1114	4000.00	5.80	40-45

**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.

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

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

**POLLUTION REPORTS**  
 Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-9303 (hot lines), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

**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 cables appear in red and yellow. Cable areas are shown as follows:  
 - Pipe Line Area  
 - Cable Area  
 - Additional anchored submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be marked, and those that were originally buried may have become exposed. Mariners should exercise caution when operating vessels in depths of water comparable to the charted areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.  
 - Covered wells may be marked by lighted or unlighted buoys.

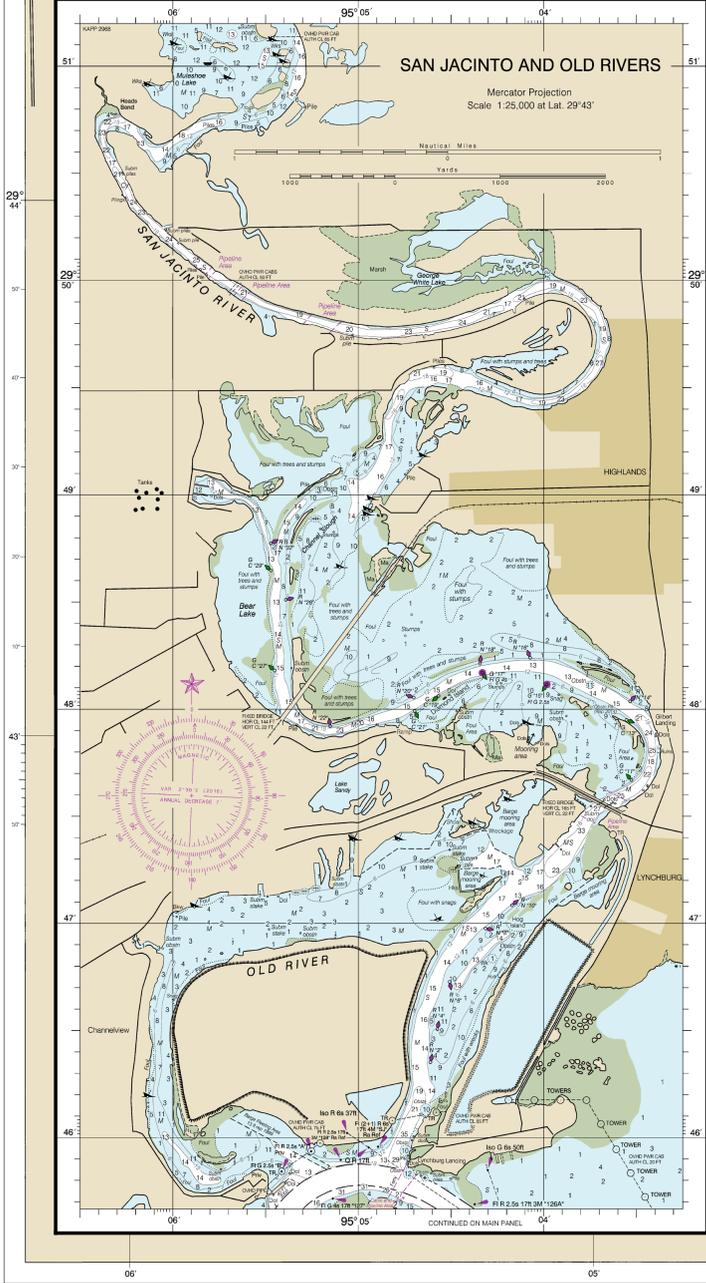
**NOAA VHF-FM WEATHER BROADCASTS**  
 The National Ocean Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna also.

Station	Frequency	Power
Galveston, TX	162.50 MHz	100-40
Houston, TX	162.50 MHz	100-40

**NOTE A**  
 Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5. Actions in response to Chapter 2 regulations may be obtained at the Office of the Commandant, U.S. Coast Guard District in New Orleans, LA, or at the Office of the District Engineer, Corps of Engineers in Houston, TX. Refer to charted regulation section numbers.

**NOTE B**  
 The U.S. Coast Guard operates a mandatory Vessel Traffic Services (VTS) system in Houston and Galveston watersways. Vessel operating procedures and organized radiofrequency requirements are published in 33 CFR 161.1, U.S. Coast Pilot, and/or the VTS User's Manual. Mariners should consult these sources for applicable rules and reporting requirements. Although mandatory VTS participation is limited to the navigable waters of the United States, certain vessels are encouraged or may be required, as a condition of port entry, to report beyond this area to facilitate advance vessel traffic management within the VTS area.

SCALE 1:10,000  
 Nautical Miles  
 Yards  
 METERS



**CAUTION**  
 This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Ocean Service and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard District or the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the date shown in the lower left hand corner are available at the time of this chart.

**ACKNOWLEDGMENT**  
 The National Ocean Service acknowledges the exceptional cooperation received from members of the Galveston Bay Power Squadron, District 21, United States Power Squadrons, for continually providing essential information for this chart.

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