SOUNDINGS IN FEET

18663

1st Ed., Nov 1989 KAPP 1945

UNITED STATES – WEST COAST

CALIFORNIA

SAN JOAQUIN RIVER

STOCKTON DEEP WATER CHANNEL
MEDFORD ISLAND TO STOCKTON

Mercator Projection
Scale 1:20,000 at Lat 38° 00' 48"

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.

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, Geological Survey, and U.S. Coast Guard

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 0.26" southward and 3.818" westward to agree with this chart.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated):

ADRO aeronautical	G green	Mo morse code	R TR radio tower
Al alternating	Gp group	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	Mo morse	Ra Ref radar reflector	WHIS whistle
		R Bn radiobeacon	Y yellow

Bottom characteristics:

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

Miscellaneous:

AUTH authorized	Obstn obstruction	PD position doubtful	Subm submerged
ED existence doubtful	PA position approximate	Rep reported	

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

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 Local Notice to Mariners.

BRIDGE AND OVERHEAD CABLE CLEARANCES
Clearances are charted as furnished by the Corps of Engineers and U.S. Coast Guard. Overhead cable clearances are referred to high water. Bridge clearances are referred to High Water (HW) and Low Water (LW).

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. 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, 11th Coast Guard District in Alameda, California or at the office of the District Engineer, Corps of Engineers in Sacramento, California.
Refer to charted regulation section numbers.

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 are shown as:

Pipeline Area — Cable Area

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 are cautioned to use 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.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 7 for important supplemental information.

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

CAUTION
Small craft should stay clear of large commercial and government vessels even if small craft have the right-of-way.
All craft should avoid areas where the skin divers flag, a red square with a diagonal white stripe, is displayed.

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).

PLANE COORDINATE GRID
(based on NAD 1927)
The California State Grid is indicated on this chart at 10,000 foot intervals thus. 2
The last three digits are omitted.

NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Mt. Pisa, CA	KHB-49	162.40 MHz WX2
Sacramento, CA	KEC-57	162.55 MHz WX1

TIDAL INFORMATION

Place Name (LAT/LONG)	Height referred to datum of soundings (MLLW)			
	Mean Higher High Water	Mean High Water	Mean Lower Low Water	Extreme Low Water
	feet	feet	feet	feet
Stockton, San Joaqun River (37°58'N/121°17'W)	4.0	3.6	0.5	-1.5
Bishop Cut, Disappointment Slough (38°03'N/121°25'W)	3.9	3.4	0.5	-1.5

(Mar 2006)

SOURCE

B1	1990-1992	NOS Surveys	partial bottom coverage
B4	1900-1939	NOS Surveys	partial bottom coverage

SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels 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.

SCALE 1:20,000
Nautical Miles 0 1
Yards 0 500 1000 1500 2000 2500
Meters 0 500 1000 1500 2000 2500

SAN JOAQUIN RIVER-STOCKTON DEEP WATER CHANNEL
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2015

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW): LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	PROJECT DIMENSIONS: WIDTH (FEET)	LENGTH (MILES)	DEPTH MLLW (FEET)
LIGHT 2 (CHART 18661) TO LIGHT 6	32.0	36.0	36.0	5-15	225	1.5	35
THENCE TO LIGHT 16	31.9	33.0	30.3	5-15	225-250	2.8	35
THENCE TO LIGHT 24	31.0	34.0	33.0	5-15	225-250	2.1	35
THENCE TO LIGHT 34	29.0	34.0	33.3	5-15	250	1.5	35
THENCE TO LIGHT 42	27.0	34.0	27.0	5-15	200-250	3.4	35
THENCE TO LIGHT 48	34.0	34.0	22.0	5-15	220-250	1.1	35
THENCE TO TURNING BASIN	32.0	34.0	32.0	5-15	335-350	0.6	35
TURNING BASIN	28.0	30.0	29.0	5-15	220-670	0.3	35

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

NOTE B
CAUTION
Mariners are warned that numerous uncharted piles, snags, pumps, pipes, and wrecks, some submerged, may exist along the edges of the waterway.
The depths shown in backwaters, sloughs and cuts are from surveys of 1934. Channels are not maintained by the Corps of Engineers and numerous uncharted shoals and obstructions have been reported. Use chart 18661.

CABLE FERRY
Cable across the river may be at or near the water surface. Mariners should exercise caution when navigating in this area.

Numerous uncharted snags and obstructions exist on this tract.

MARSH GAS
Marsh gas has been reported in this area.

CONTINUED ON CHART 18661

18663
6th Ed., Apr. 2006. Last Correction: 2/3/2016. Cleared through:
LNM: 4818 (11/29/2016), NM: 5016 (12/10/2016).

CAUTION
This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner.

NOAA encourages users to submit inquiries, discrepancies or comments about this chart at http://www.nauticalcharts.noaa.gov/staff/contact.htm.

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

SOUNDINGS IN FEET

FATHOMS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
FEET 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 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
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 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 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Medford Island to Stockton
SOUNDINGS IN FEET – SCALE 1:20,000

18663

776.0mm x 1030.4mm