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

Formerly 0527 - SC, 1st Ed., 1970 KAPP 1855

SOUNDINGS IN FEET

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES

CALIFORNIA

# SACRAMENTO AND SAN JOAQUIN RIVERS

Mercator Projection
Scale 1:40,000 at Lat. 38° 25'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

For Symbols and Abbreviations see Chart No. 1.

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

TIDAL INFORMATION

| PLACE | | Height referred to datum of soundings (MLLW) | | | |
|---|---|---|---|---|---|
| NAME | (LAT,LONG) | Mean Higher High Water | Mean High Water | Mean Low Water | Mean Tide Level |
| Antioch | (38°00'N,121°48'W) | 3.9 | 3.4 | 0.4 | 1.9 |
| Threemile Slough Entrance | (38°08'N,121°41'W) | 3.6 | 3.1 | 0.3 | 1.7 |
| Rio Vista | (38°09'N,121°42'W) | 4.2 | 3.6 | 0.3 | 1.9 |
| Stockton | (37°56'N,121°17'W) | 4.2 | 3.5 | 0.5 | 2.0 |
| Georgiana Slough Entrance | (38°08'N,121°36'W) | 3.5 | 2.9 | 0.4 | 1.7 |
| Rio Vista | (38°09'N,121°41'W) | 4.3 | 3.6 | 0.6 | 2.0 |

NOTE: At Rio Vista, data apply during ebb stages.

Datums (---) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov (Feb 2008)

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.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Guard Pilot, and regulations governing bridges 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.

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

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83). This datum is geometrically identical or 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 0.270" southward and 3.621" westward to agree with this chart.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflecting characteristics of these aids has been omitted from this chart.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.
Dredged areas are shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION
Small craft should stay clear of large commercial and government vessels even if small craft have the right-of-way.
A vessel at anchor in open areas where the skin divers' flag, a red and white with a diagonal white stripe, is displayed.

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

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).

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

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 buried or remain buried but 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 are charted, and when anchoring, dragging, or trawling.
Covered wells may be marked by lighted or unlighted buoys.

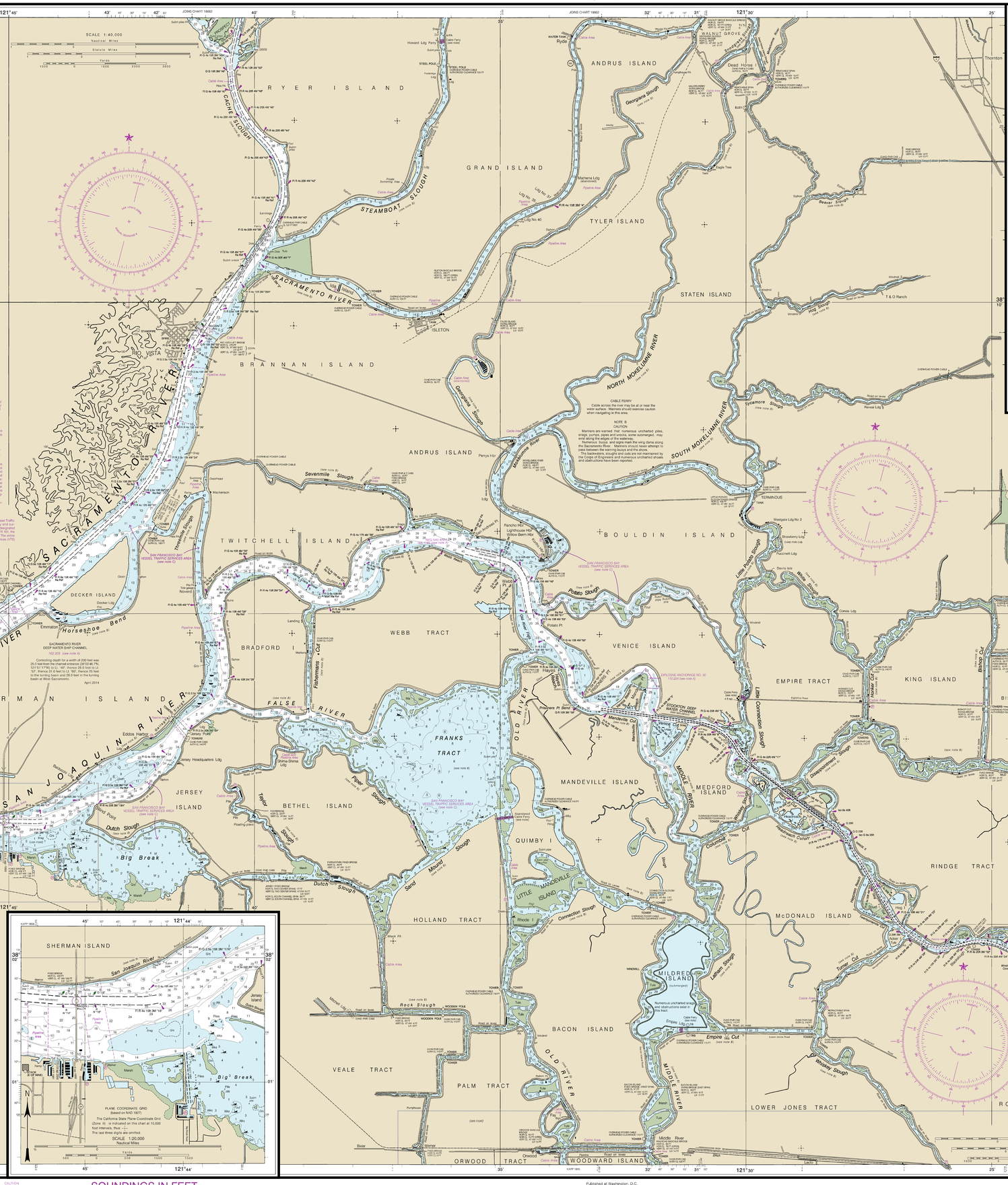
NOTE C
The U.S. Coast Guard operates a mandatory Vessel Traffic Services (VTS) system in the San Francisco Bay and surrounding areas. Vessel operating procedures are designated in accordance with regulations contained in 33 CFR 161. See U.S. Coast Pilot, and/or the VTS User's Manual. The entire area of the chart falls within the Vessel Traffic Services (VTS) system.
Pump-out facilities

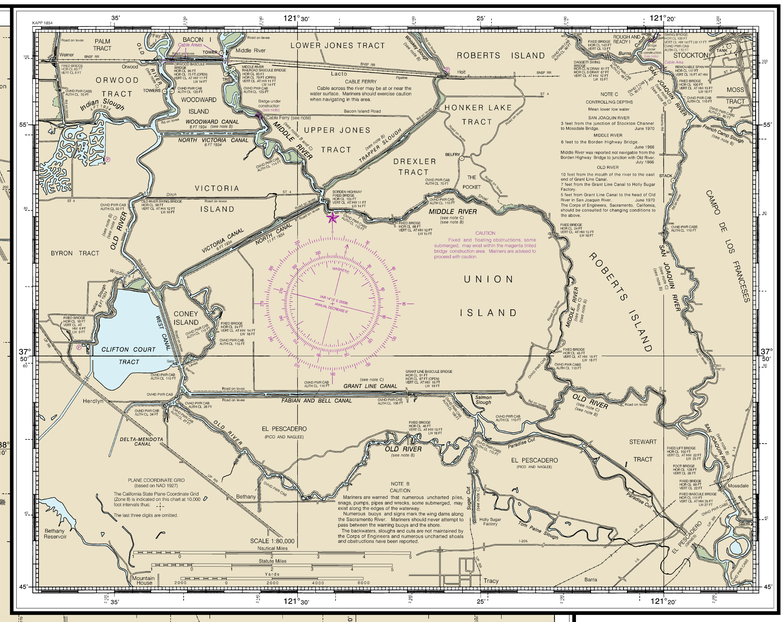
NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio stations listed broadcast continuous weather information. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

| | | |
|---|---|---|
| Mt. Pleasant, CA | KHB-49 | 162.40 MHz WX2 |
| Sacramento, CA | KEC-57 | 162.55 MHz WX1 |
| Mt Umunhum, CA | KEC-49 | 162.55 MHz |
| | WWF-64 | 162.45 MHz |

PLANE COORDINATE GRID
(Based on NAD 1927)
The California State Plane Coordinate Grid (Zone III) is indicated on this chart at 10,000 foot intervals, thus: +
The last three digits are omitted.

SCALE 1:40,000
Nautical Miles
Statute Miles
Yards







SAN JOAQUIN RIVER-STOCKTON DEEP WATER CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2016

| CONTROLLING DEPTHS FROM SEWARD IN FEET AT MEAN LOWER LOW WATER (MLLW) | | | | | PROJECT DIMENSIONS | | |
|---|---|---|---|---|---|---|---|
| NAME OF CHANNEL | LEFT QUTRKE | MIDDLE HALF OF QUTRKE | RIGHT QUTRKE | DATE OF SURVEY | WIDTH (FEET) | LENGTH (NAUT MILES) | DEPTH (FEET) |
| ANTIOCH TO LIGHT 17 | 35.0 | 35.0 | 34.0 | 5-15 | 400 | 1.5 | 35 |
| LIGHT 17 TO LIGHT 43 | A | 35.0 | 34.0 | | | | |
| LIGHT 43 TO LIGHT 51 | 35.0 | 35.0 | 32.0 | 12-16 / 5-15 | 600 | 1.5 | 35 |
| LIGHT 51 TO LIGHT 2 | A | A | A | | | | |
| LIGHT 2 TO LIGHT 14 | 32.0 | 34.0 | 34.0 | 5-15 | 250 | 1.5 | 35 |
| LIGHT 14 TO LIGHT 24 | 32.0 | 34.0 | 34.0 | 5-15 | 300-350 | 2.0 | 35 |
| THENCE TO LIGHT 34 | 31.0 | 34.0 | 34.0 | 5-15 | 200-300 | 0.7 | 35 |
| THENCE TO LIGHT 34 | 28.0 | 34.0 | 33.0 | 5-15 | 250 | 1.5 | 35 |
| THENCE TO LIGHT 44 | 30.0 | 34.0 | 33.0 | 5-15 | 200-250 | 1.0 | 35 |
| THENCE TO LIGHT 46 | 34.0 | 34.0 | 33.0 | 5-15 | 150-200 | 1.1 | 35 |
| THENCE TO TURNING BASIN | 32.0 | 34.0 | 33.0 | 5-15 | 100-200 | 0.6 | 35 |
| TURNING BASIN | 28.0 | 30.0 | 30.0 | 5-15 | 200-475 | 0.5 | 35 |

A. SEE CHARTED SOUNDINGS
NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION.

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 in this diagram. Refer to Chapter 1, United States Coast Pilot.

| SOURCE | | | |
|---|---|---|---|
| A | 1990-1999 | NOS Surveys | full bottom coverage |
| B1 | 1970-1979 | NOS Surveys | full bottom coverage |
| B4 | 1900-1939 | NOS Surveys | partial bottom coverage |

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SOUNDINGS IN FEET

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 for the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at www.nauticalcharts.noaa.gov.

30th Ed., Mar. 2009. Last Correction: 11/7/2018. Cleared through:
LNM: 4418 (10/30/2018), NM: 4518 (11/10/2018).

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NATIONAL OCEAN SERVICE
COAST SURVEY

Sacramento and San Joaquin Rivers
SOUNDINGS IN FEET - SCALE 1:40,000

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