



LEGEND		
--- Federal Navigation Channel	Cable Area	Shoaling Area
— Federal Navigation Center Line	Placement Area	Shoalest Sounding**
..... Cable Submarine	Anchorage Area	Beacon, General
- - - Cable Overhead	Obstruction Point	Red Navigation Buoy
— Contour Line	Wrecks-Submerged	Green Navigation Buoy

NOTES:

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Soundings are shown in feet and indicate depths below Columbia River Datum. CRD is 1.05 feet above the North American Vertical Datum of 1988 (NAVD 88 Geoid 09) at Columbia River Mile 27.0.

River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.

The location of navigation aids are based on and provided by the U.S. Coast Guard.

2009 Aerial Photography data source: U.S.D.A., Service Center Agencies.
Reference is N.O.A. Navigation Chart No. 18521.

** Shoalest Sounding per Quarter per Reach.

Project Information:
Drawing not to be used for navigation.
Project Depth -35'
Tide gauge
Equipment statement

CONTROLS:
LOCATION: RIO VISTA
NOAA STATION: 9415316
BENCHMARK: 5316 B 1996 (No PID)
TIDE GAUGE: Nail @ 8.2 ft MLLW
METADATA: Nail set by USACE 31 March, 2014

LOCATION: PORT OF WEST SACRAMENTO
NOAA STATION: 9416131
BENCHMARK: POWS1 (No PID)
TIDE GAUGE: Nail @ 10.0 ft MLLW
METADATA: Nail set by USACE 8 April, 2014

All horizontal positions and MLLW elevations were post-processed using public GPS reference stations in the area.



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Prepared Under the Direction of JOHN C. MORROW LT. COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Mar 09, 2015
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Checked by: PDT
Approved: Chief, Construction Branch	Drawn by: PDT

SAN JOAQUIN COUNTY
SACRAMENTO RIVER
POSTDREDGE SURVEY
14 NOVEMBER 2014
REACHES 1-4

Sheet
Reference
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