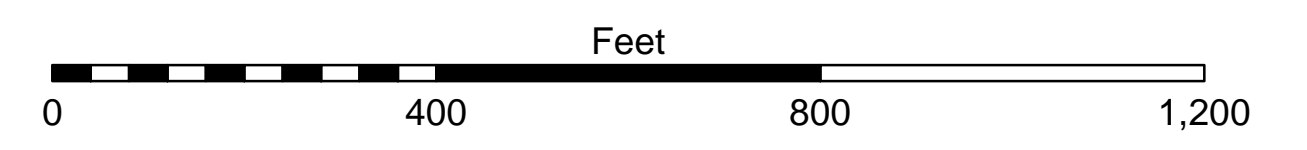
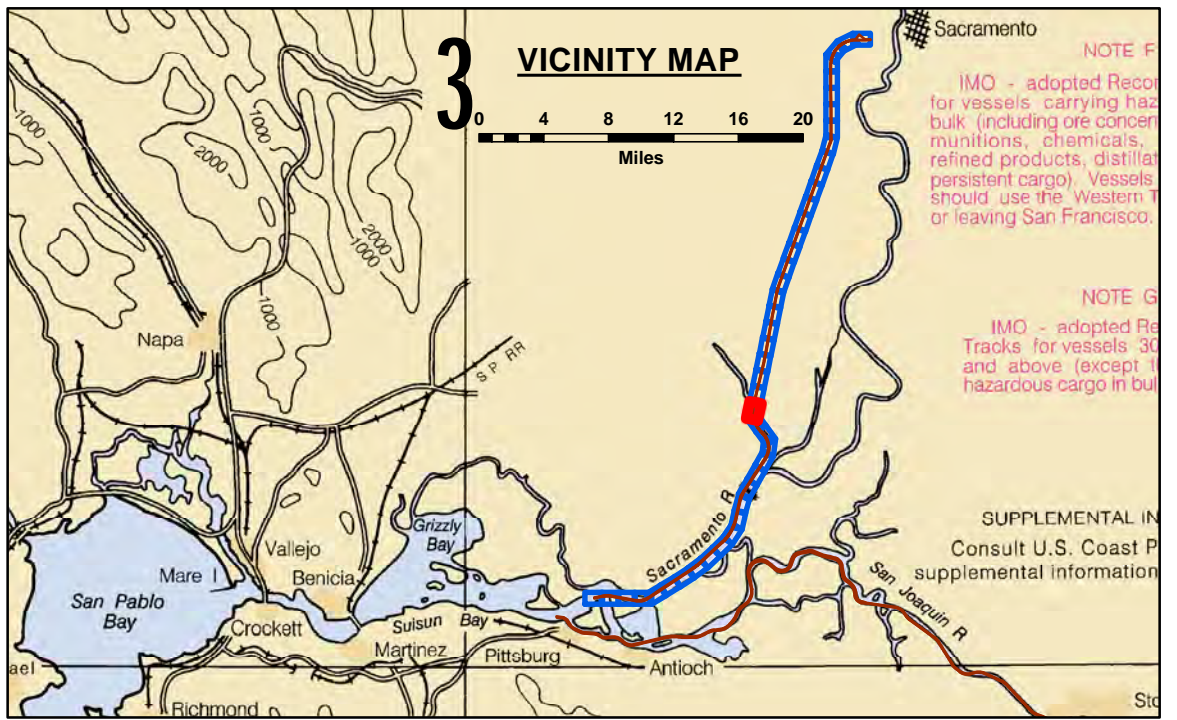




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Prepared Under the Direction of TRAVIS J. RAYFIELD LT. COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Aug 01, 2017
Survised By: Hydro Survey Team Leader	Designed by: PDT
Plotted By: Chief, Hydro Survey Section	Drawn by: PDT
Recommended: Chief, Construction Branch	

CALIFORNIA
 SAN JOAQUIN COUNTY
SACRAMENTO RIVER
 PRE-DREDGE SURVEY
 26 JULY 2017



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:
 DRAWING NOT TO BE USED FOR NAVIGATION. ONLY CHANNEL CONDITION AT DATE OF SURVEY.
 THE LOCATION OF ALL NAVIGATION AIDS ARE BASED ON INFORMATION PROVIDED BY THE U.S. COAST GUARD. BUOY LOCATIONS REPRESENT THE POSITION OF THE SINKER ONLY.
 SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTH OF A FOOT.
 SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.
 NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CA ZONE II (0402). DISTANCE UNITS IN U.S. SURVEY FEET.
 PLANE GRID AND COORDINATES ARE BASED ON LAMBERT PROJECTION, NAD 83, ZONE II CALIFORNIA AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY.
 PROJECT DEPTH: -30'
 VERTICAL DATUM: MLLW
 THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
 LOCATION: RIO VISTA
 NOOA 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
 NOOA 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.