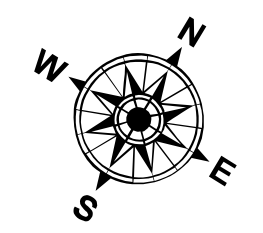
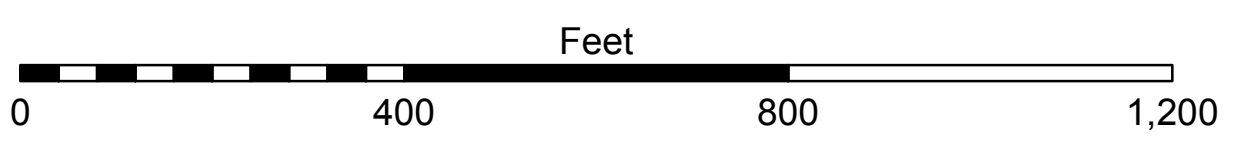


**LEGEND**

--- 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  
 NOAA STATION: 5316 B 1996 (NO PID)  
 BENCHMARK: S316 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.



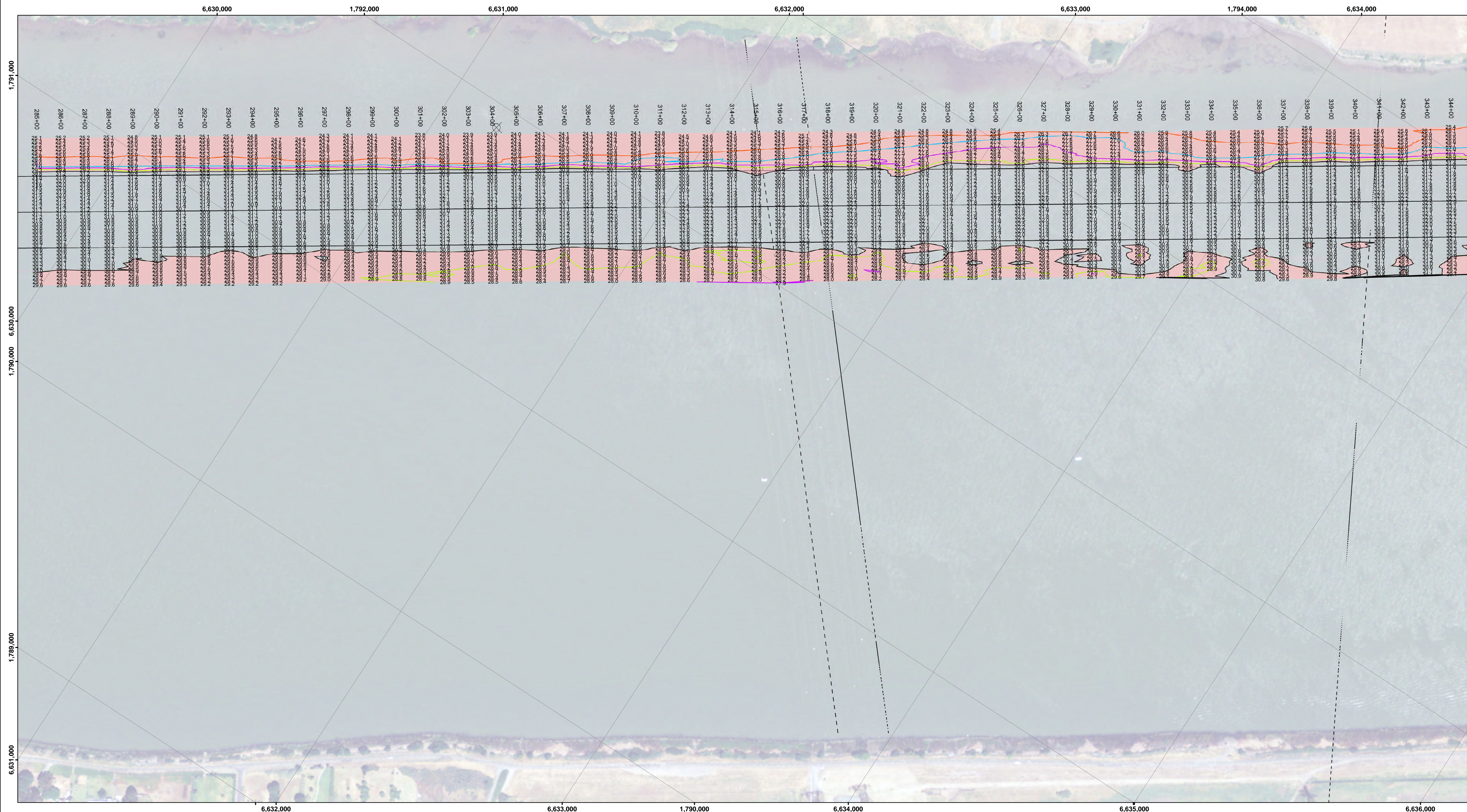
**DISCLAIMER:** The United States Government furnishes this data as is and does not warrant the accuracy, completeness, or implied information contained herein. The user is responsible for the results of any of the application of the data for other than its intended purpose. Distribution liability. The data represents the results of data collection/processing for a specific project. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Chart Date:	Oct 17, 2017
Designed by:	
Drawn by:	PDT
Surveyed By:	Travis J. Rayfield
Plotted By:	PDT
Checked By:	PDT

CALIFORNIA  
 SAN JOAQUIN COUNTY  
**SACRAMENTO RIVER**  
 POST-DREDGE SURVEY  
 REACH 1 : 05 AUGUST 2017  
 REACH 2 : 27 SEPTEMBER 2017  
 REACH 3 : 05 SEPTEMBER 2017  
 REACH 4 : 23 AUGUST 2017  
 REACH 5 : 14 AUGUST 2017

**Sheet Reference Number**  
 6 of 45



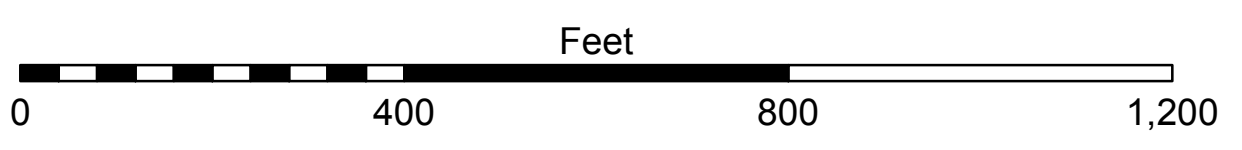
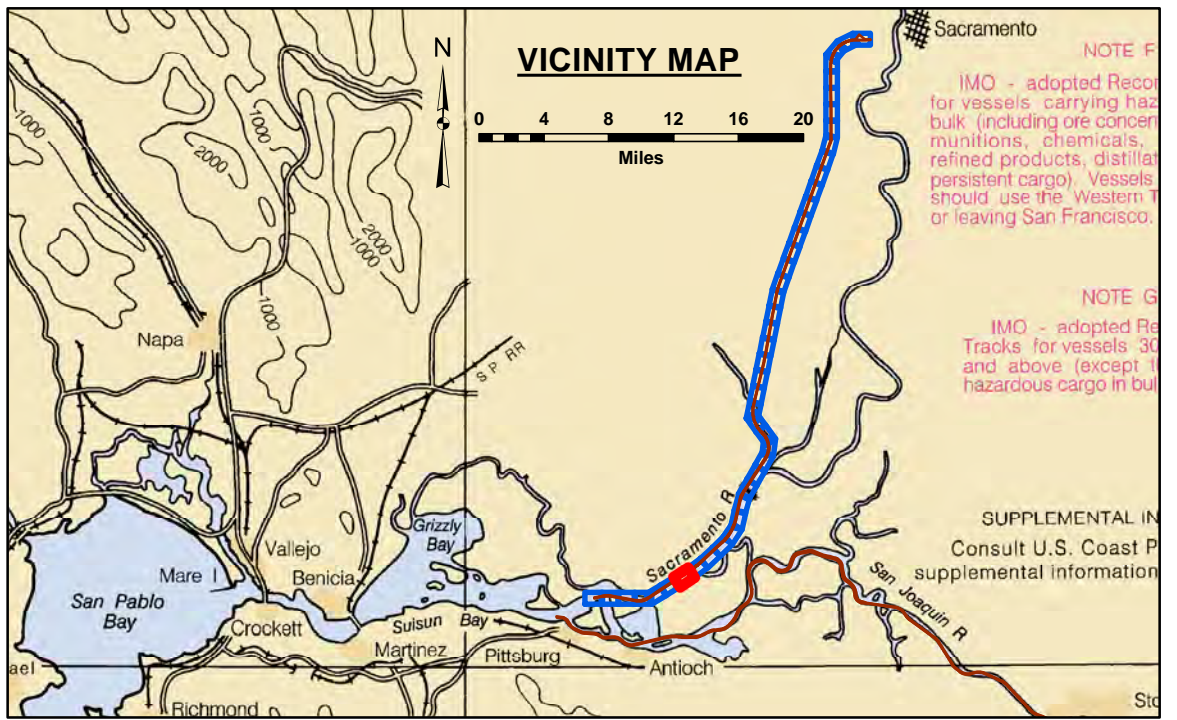


**DISCLAIMER:** The United States Government furnishes this data as is, without warranty of any kind, and the user assumes all responsibility for the results of any application of the data for other than its intended purpose. The user is responsible for the results of any application of the data for other than its intended purpose. The user is responsible for the results of any application of the data for other than its intended purpose.

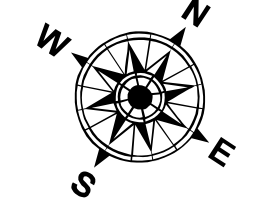
Chart Date:	Oct 17, 2017
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	TRAVIS J. RAYFIELD LT. COLONEL, C.E., DISTRICT ENGINEER
Plotted By:	Hydro Survey Team Leader
Checked By:	Chief, Hydro Survey Section
Approved:	Chief, Construction Branch

**SAN JOAQUIN COUNTY CALIFORNIA**  
**SACRAMENTO RIVER**  
 POST-DREDGE SURVEY  
 REACH 1 : 05 AUGUST 2017  
 REACH 2 : 27 SEPTEMBER 2017  
 REACH 3 : 05 SEPTEMBER 2017  
 REACH 4 : 23 AUGUST 2017  
 REACH 5 : 14 AUGUST 2017

**Sheet Reference Number**  
**7 of 45**



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



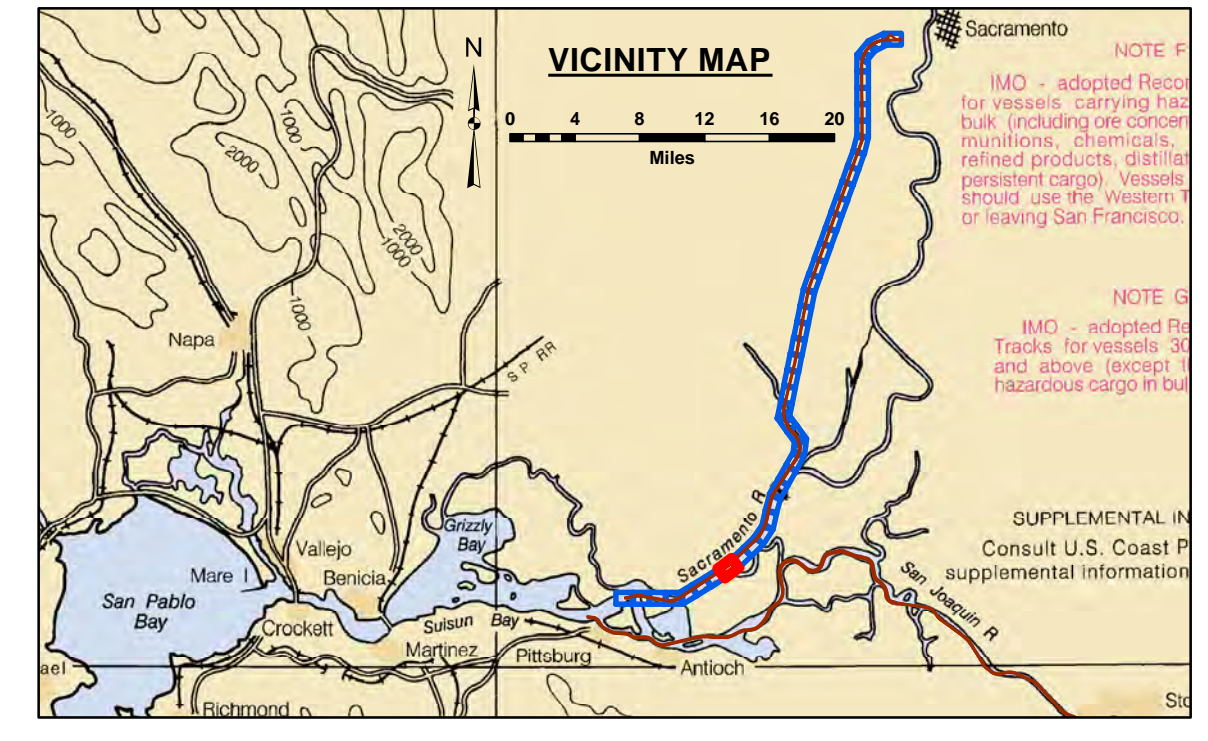
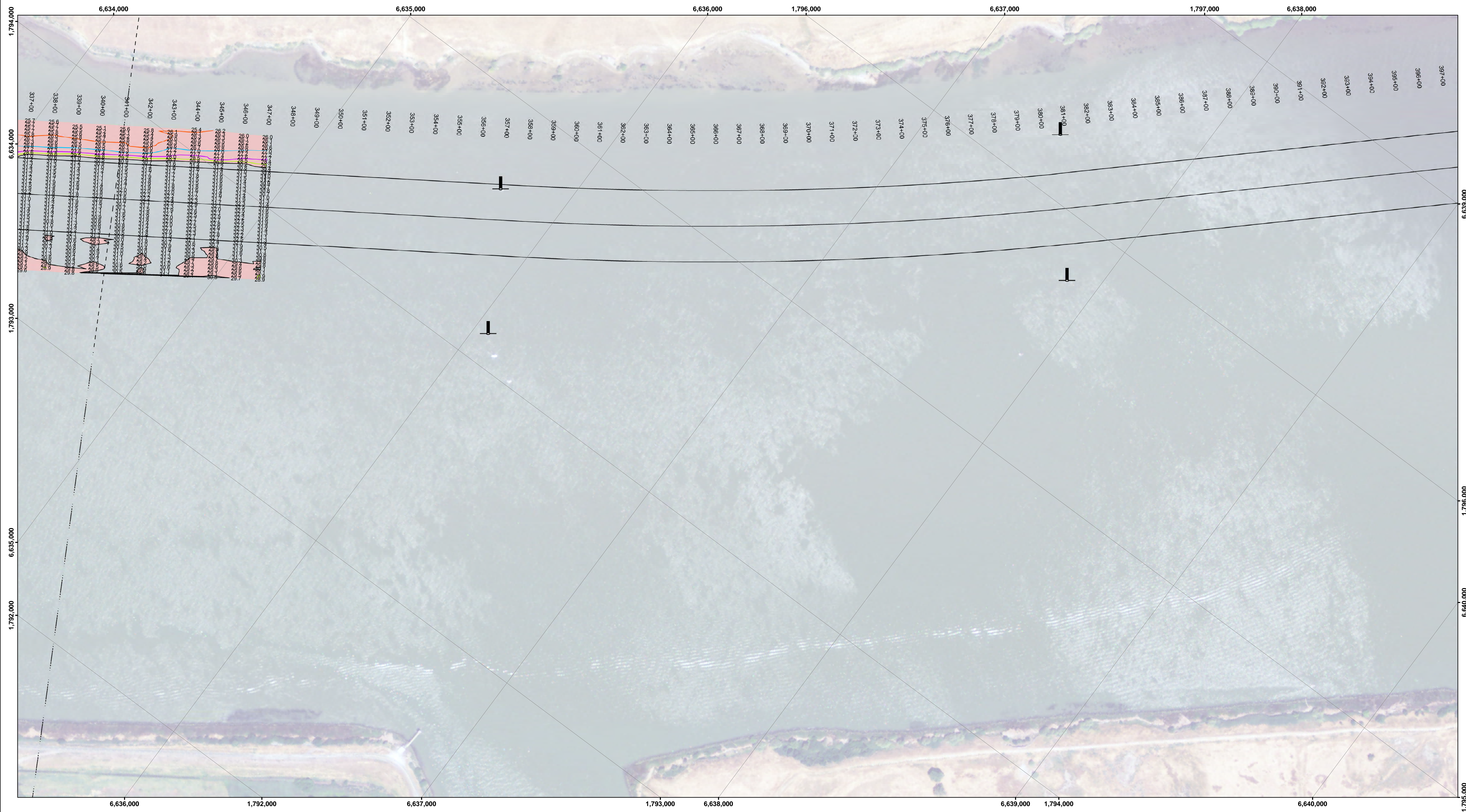
**NOTES:**  
 DRAWING NOT TO BE USED FOR NAVIGATION. ONLY CHANNEL CONDITION AT DATE OF SURVEY.  
 THE LOCATION OF ALL NAVIGATION AIDS ARE BASED ON INFORMATION PROVIDED BY THE U.S. COAST GUARD. BUOY LOCATIONS REPRESENT THE POSITION OF THE SINKER ONLY.  
 SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN 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  
 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

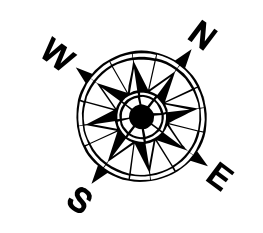
ALL HORIZONTAL POSITIONS AND MLLW ELEVATIONS WERE POST-PROCESSED USING PUBLIC GPS REFERENCE STATIONS IN THE AREA.





**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  
 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.



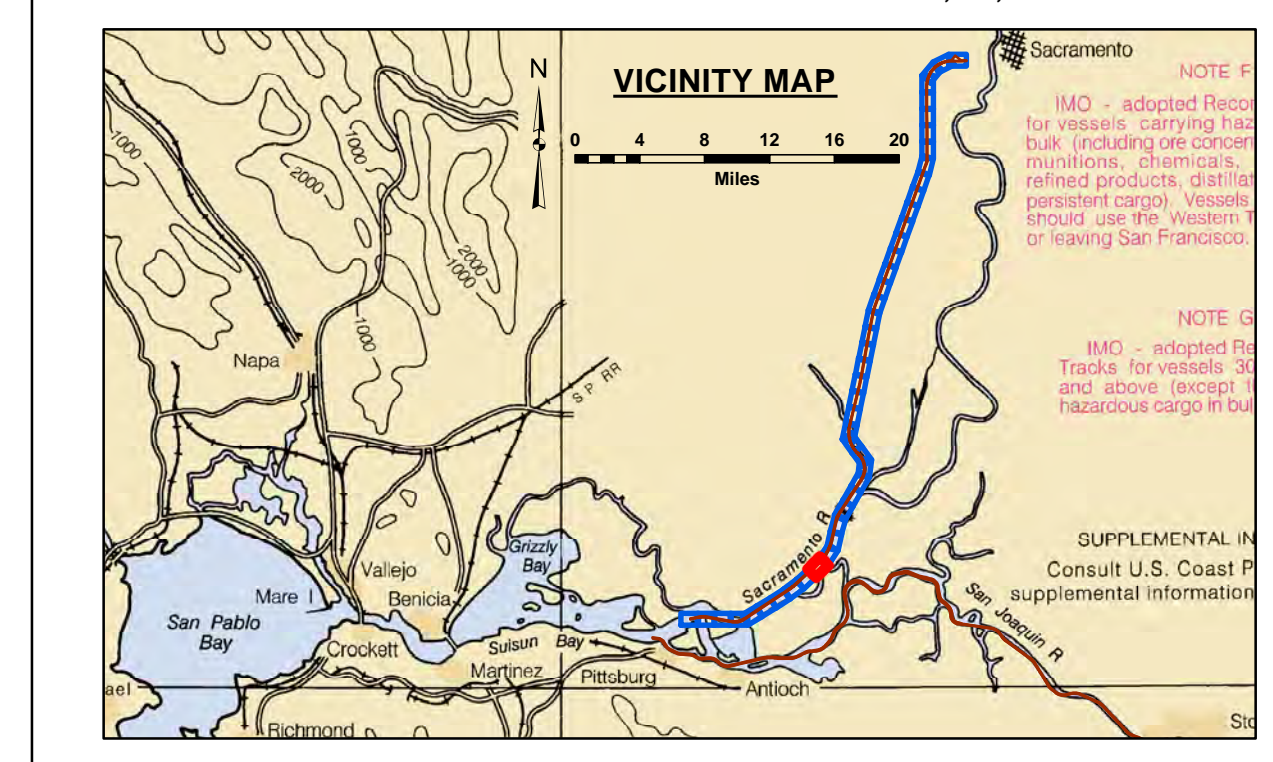
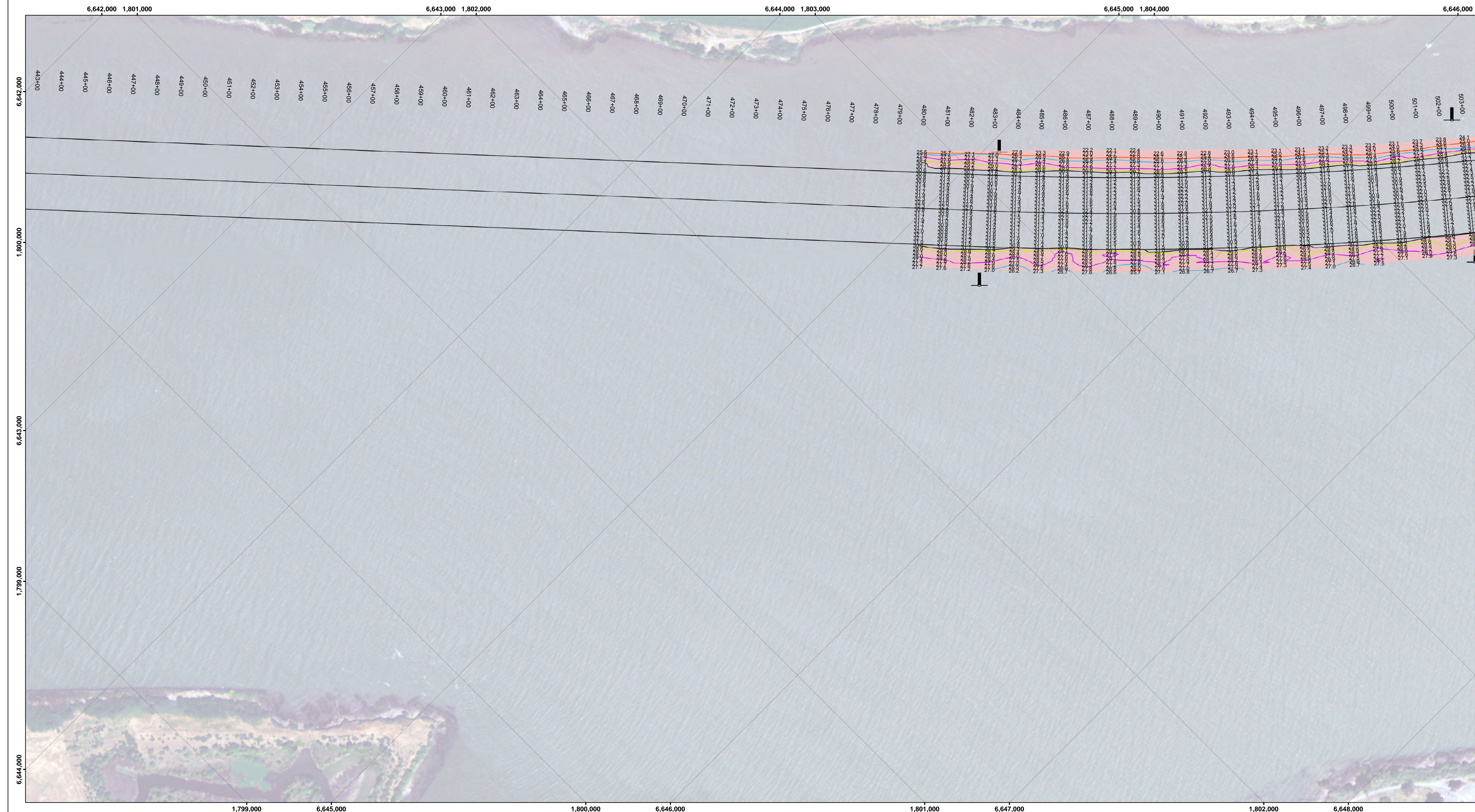
**DISCLAIMER:**  
 The United States Government furnishes this data as a public service and does not warrant the accuracy, completeness, or implied liability of the data. The user is responsible for the results of any application of the data for other than its intended purpose. The United States Government assumes no liability whatsoever to any person by reason of any use of the data furnished. The United States Government is not responsible for any errors or omissions in the data. The recipient may not transfer these data to others without also transferring this Disclaimer.

Chart Date:	Oct 17, 2017
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	TRAVIS J. RAYFIELD LT COLONEL, C.E. DISTRICT ENGINEER
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Hydro Survey Section
Approved:	Chief, Construction Branch

**SAN JOAQUIN COUNTY CALIFORNIA**  
**SACRAMENTO RIVER**  
 POST-DREDGE SURVEY  
 REACH 1 : 05 AUGUST 2017  
 REACH 2 : 27 SEPTEMBER 2017  
 REACH 3 : 05 SEPTEMBER 2017  
 REACH 4 : 23 AUGUST 2017  
 REACH 5 : 14 AUGUST 2017

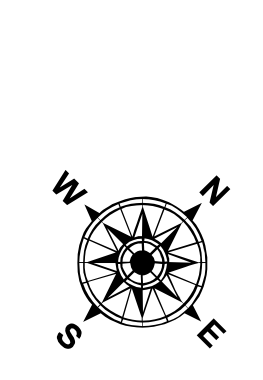
**Sheet Reference Number**  
**8 of 45**





Feet  
0 400 800 1,200

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  
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.



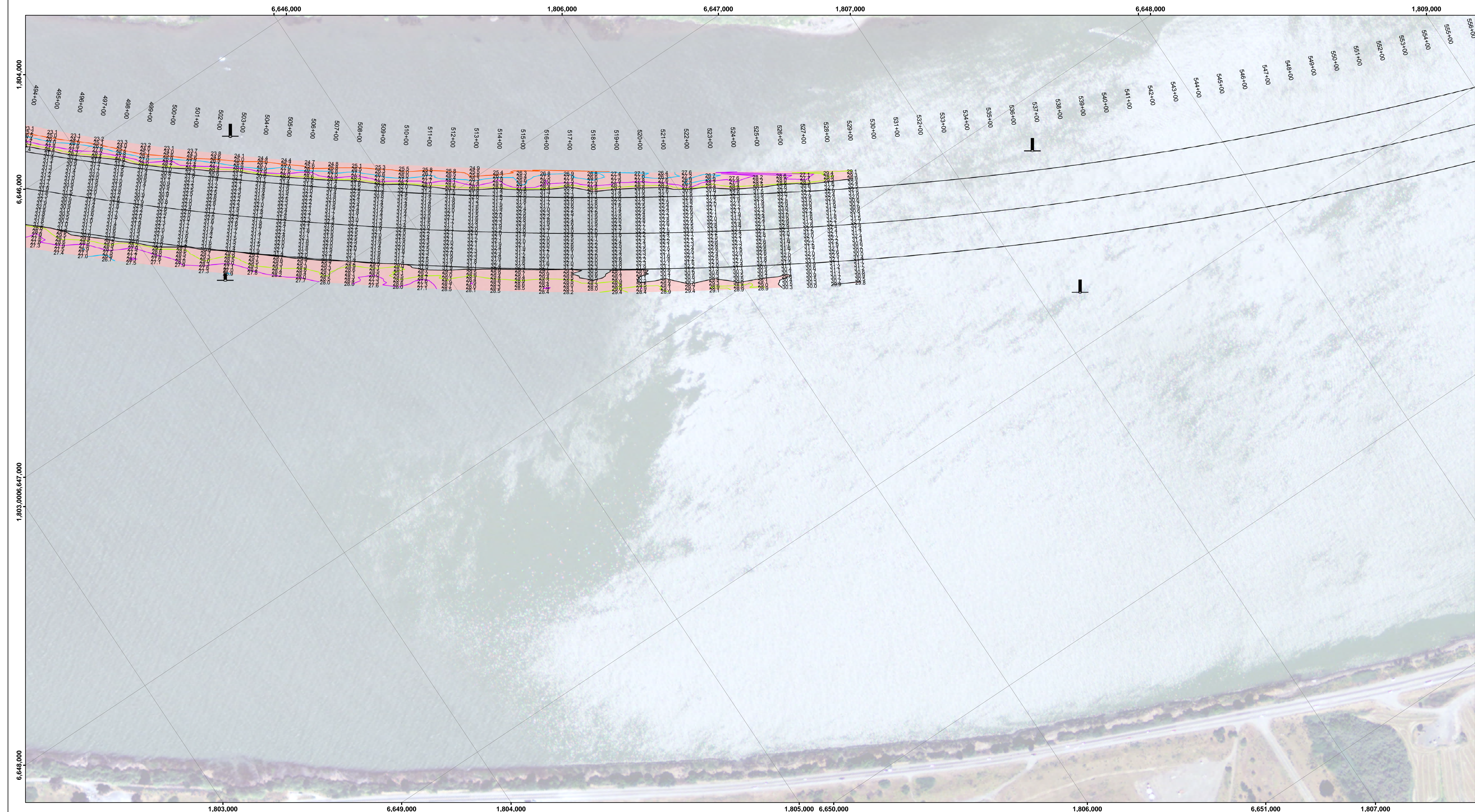
**DISCLAIMER:** The United States Government furnishes this data as is and does not warrant the accuracy, completeness, or timeliness of the data. The user is responsible for the results of any application of the data for other than its intended purpose. The United States Government assumes no liability for the results of any application of the data for other than its intended purpose.

**ACCESS RESTRICTIONS:** The United States Government furnishes this data as is and does not warrant the accuracy, completeness, or timeliness of the data. The user is responsible for the results of any application of the data for other than its intended purpose. The United States Government assumes no liability for the results of any application of the data for other than its intended purpose.

Chart Date:	Oct 17, 2017
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	TRAVIS J. RAYFIELD LT COLONEL, C.E., DISTRICT ENGINEER
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Hydro Survey Section
Approved:	Chief, Construction Branch

CALIFORNIA  
SAN JOAQUIN COUNTY  
**SACRAMENTO RIVER**  
POST-DREDGE SURVEY  
REACH 1 : 05 AUGUST 2017  
REACH 2 : 27 SEPTEMBER 2017  
REACH 3 : 05 SEPTEMBER 2017  
REACH 4 : 23 AUGUST 2017  
REACH 5 : 14 AUGUST 2017

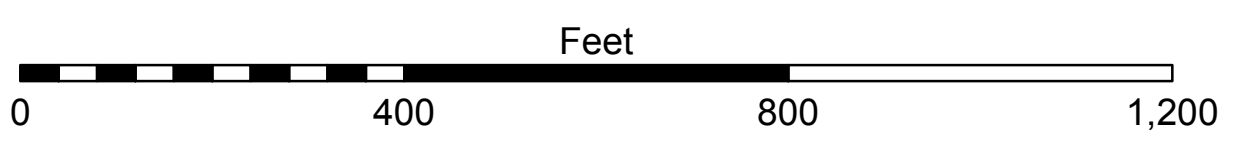
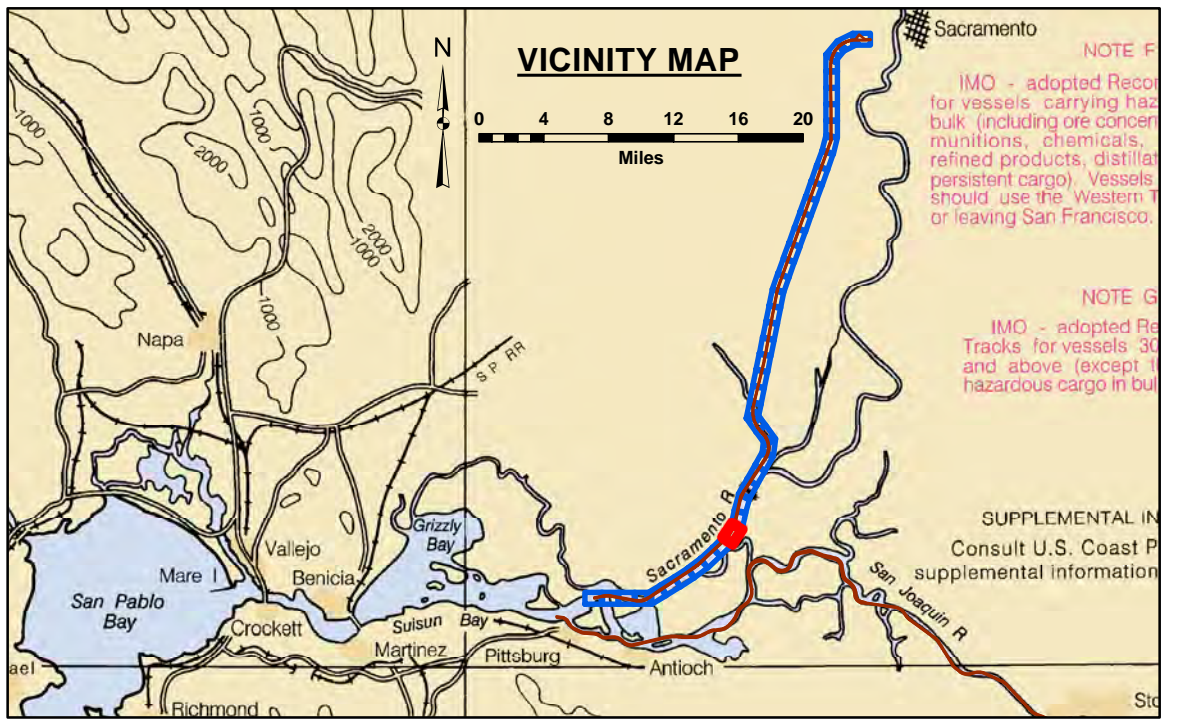




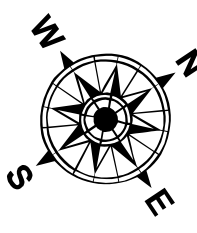
**DISCLAIMER**  
 The United States Government furnishes this data as is, without warranty, expressed or implied concerning the accuracy, completeness, or reliability of the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use of the information furnished hereon, and the recipient shall accept the data as other than Government provided data. The recipient may not transfer these data to others without also transferring this Disclaimer.

Prepared Under the Direction of <b>TRAVIS J. RAYFIELD</b> LT Colonel, C.E., District Engineer	Surveyed By: PDT	Chart Date: Oct 17, 2017
Submitted: Hydro Survey Team Leader	Plotted By: PDT	Designed by:
Recommended: Chief, Hydro Survey Section	Checked By: PDT	Drawn by: PDT
Approved: Chief, Construction Branch		

**CALIFORNIA**  
**SAN JOAQUIN COUNTY**  
**SACRAMENTO RIVER**  
 POST-DREDGE SURVEY  
 REACH 1 : 05 AUGUST 2017  
 REACH 2 : 27 SEPTEMBER 2017  
 REACH 3 : 05 SEPTEMBER 2017  
 REACH 4 : 23 AUGUST 2017  
 REACH 5 : 14 AUGUST 2017



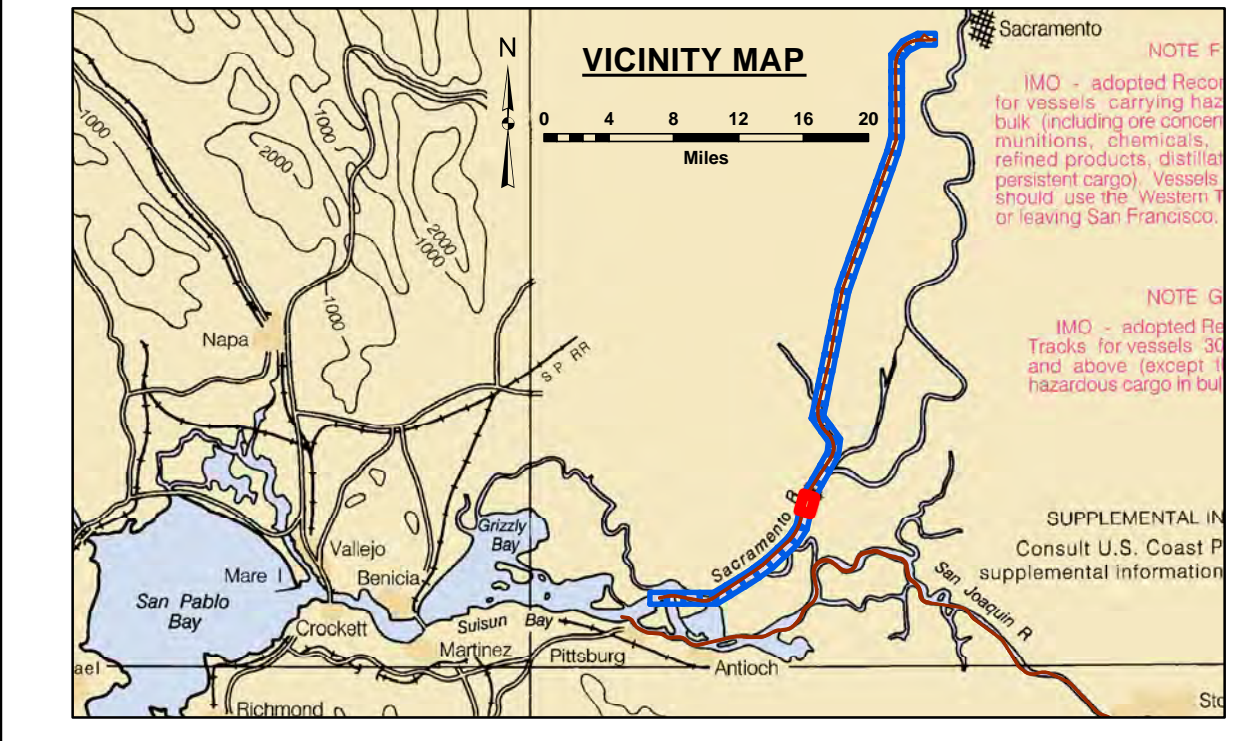
LEGEND		
--- Federal Navigation Channel	▨ Cable Area	▨ Shoaling Area
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**
..... Cable Submarine	⊘ Anchorage Area	⊥ Beacon, General
- - - Cable Overhead	⊗ Obstruction Point	◆ Red Navigation Buoy
— Contour Line	✦ Wrecks-Submerged	◆ Green 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

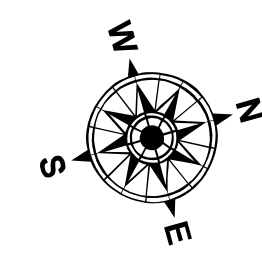
**CONTROLS:**  
 LOCATION: RIO VISTA  
 NOAA STATION: 9415316  
 BENCHMARK: 5316 B 1996 (NO PID)  
 TIDE GAUGE: NAIL @ 8.2 FT MLLW  
 METADATA: NAIL SET BY USACE 31 MARCH, 2014  
 LOCATION: PORT OF WEST SACRAMENTO  
 NOAA STATION: 9416131  
 BENCHMARK: POWS1 (NO PID)  
 TIDE GAUGE: NAIL @ 10.0 FT MLLW  
 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.





Feet  
0 400 800 1,200

--- 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  
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.

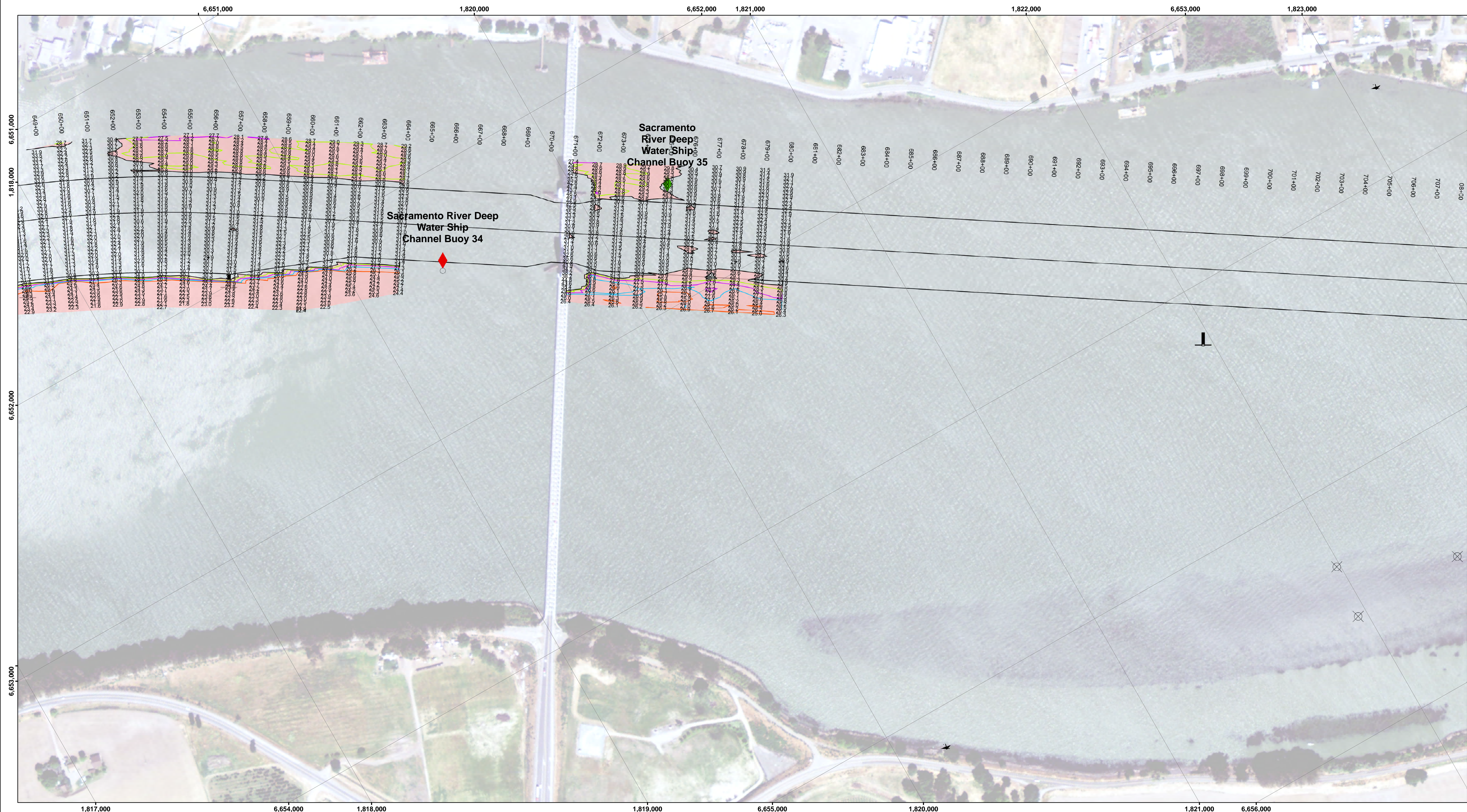


**DISCLAIMER:** The United States Government furnishes this data as a service to the public and does not warrant the accuracy, completeness, or implied consequences of the data. The user is responsible for the results of any application of the data for other than its intended purpose. The United States Government assumes no liability whatsoever to any person by reason of any use of the data furnished, and the recipient agrees not to represent these data to anyone as other than Government provided data. The recipient may not transfer these data to others without also transferring this Disclaimer.

PREPARED UNDER THE DIRECTION OF <b>TRAVIS J. RAYFIELD</b> LT. COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Oct 17, 2017
Survised By: Hydro Survey Team Leader	Designed by: PDT
Plotted By: Chief, Hydro Survey Section	Drawn by: PDT
Checked By: Chief, Construction Branch	

CALIFORNIA  
SAN JOAQUIN COUNTY  
**SACRAMENTO RIVER**  
POST-DREDGE SURVEY  
REACH 1 : 05 AUGUST 2017  
REACH 2 : 27 SEPTEMBER 2017  
REACH 3 : 05 SEPTEMBER 2017  
REACH 4 : 23 AUGUST 2017  
REACH 5 : 14 AUGUST 2017

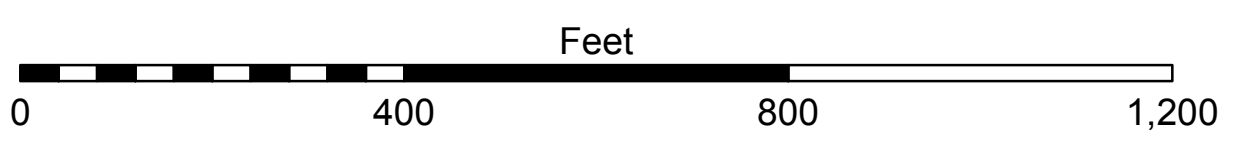
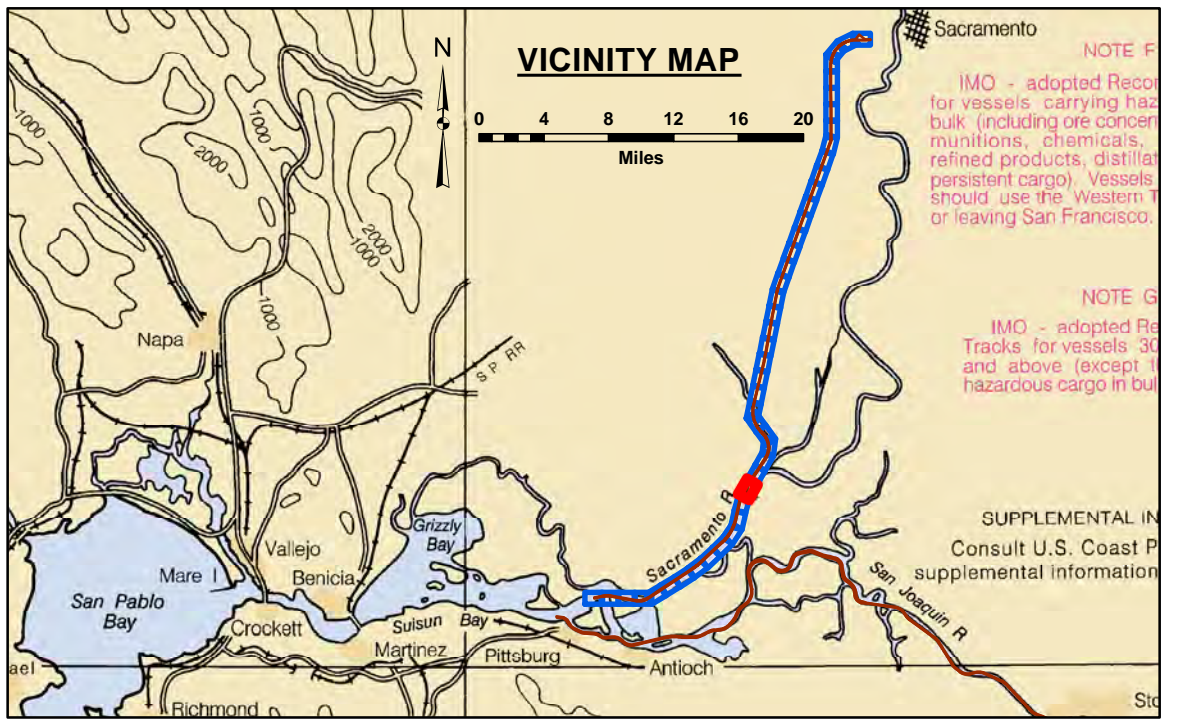




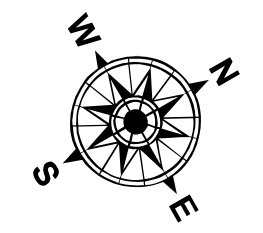
**DISCLAIMER:** The United States Government furnishes this data as is, without warranty of any kind, either expressed or implied, including but not limited to accuracy, completeness, and reliability. The user is responsible for the results of any application of the data for other than its intended purpose. Distribution liability. The data represents the results of data collection processing for a specific US Army Corps of Engineers project. It is not to be used for any other purpose without the express written consent of the US Army Corps of Engineers. The user is responsible for the results of any application of the data for other than its intended purpose.

Chart Date:	Oct 17, 2017
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	Travis J. Rayfield
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Hydro Survey Section
Approved:	Chief, Construction Branch

**CALIFORNIA**  
**SAN JOAQUIN COUNTY**  
**SACRAMENTO RIVER**  
 POST-DREDGE SURVEY  
 REACH 1 : 05 AUGUST 2017  
 REACH 2 : 27 SEPTEMBER 2017  
 REACH 3 : 05 SEPTEMBER 2017  
 REACH 4 : 23 AUGUST 2017  
 REACH 5 : 14 AUGUST 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



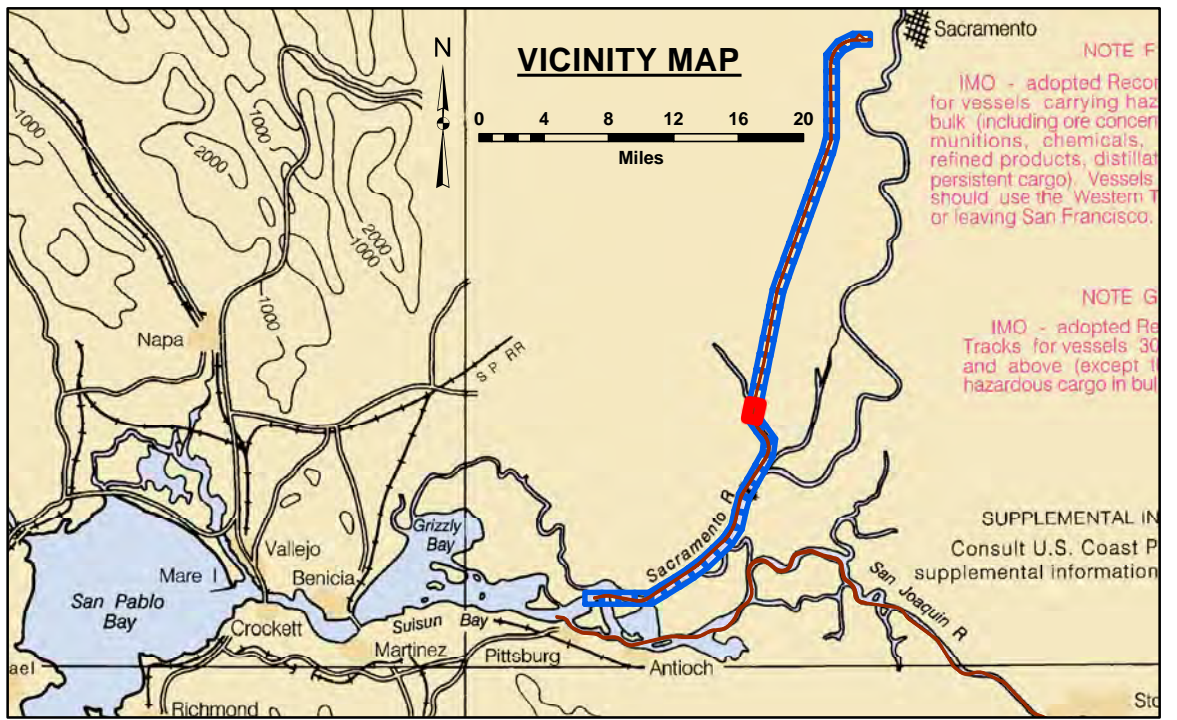
**NOTES:**  
 DRAWING NOT TO BE USED FOR NAVIGATION. ONLY CHANNEL CONDITION AT DATE OF SURVEY.  
 THE LOCATION OF ALL NAVIGATION AIDS ARE BASED ON INFORMATION PROVIDED BY THE U.S. COAST GUARD. BUOY LOCATIONS REPRESENT THE POSITION OF THE SINKER ONLY.  
 SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN 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  
 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

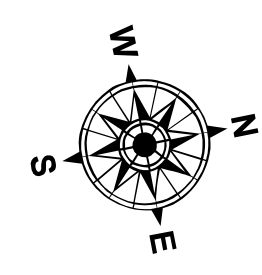
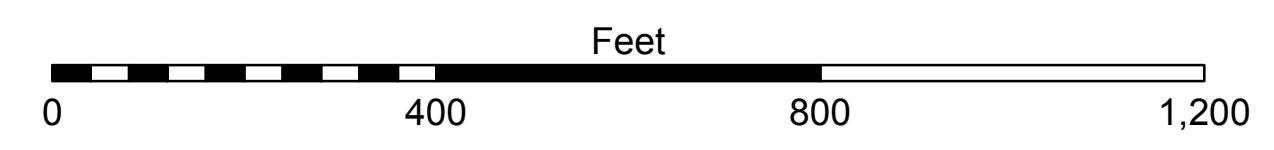
ALL HORIZONTAL POSITIONS AND MLLW ELEVATIONS WERE POST-PROCESSED USING PUBLIC GPS REFERENCE STATIONS IN THE AREA.





**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.



**DISCLAIMER:**  
 The United States Government Lend-Lease Administration and the War Relocation Authority hereby disclaims any liability for the use of the data for any purpose other than that for which it was originally intended. The user is responsible for the results of any application of the data for other than its intended purpose.  
 Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is not intended for use in any other project. At such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose.

Prepared Under the Direction of <b>TRAVIS J. RAYFIELD</b> LT. COLONEL, C.E., DISTRICT ENGINEER	Surveyed By: Hydro Survey Team Leader	Chart Date: Oct 17, 2017
Recommended: Chief, Hydro Survey Section	Plotted By: PDT	Designed by: PDT
Approved: Chief, Construction Branch	Checked By: PDT	Drawn by: PDT

CALIFORNIA  
 SAN JOAQUIN COUNTY  
**SACRAMENTO RIVER**  
 POST-DREDGE SURVEY  
 REACH 1 : 05 AUGUST 2017  
 REACH 2 : 27 SEPTEMBER 2017  
 REACH 3 : 05 SEPTEMBER 2017  
 REACH 4 : 23 AUGUST 2017  
 REACH 5 : 14 AUGUST 2017