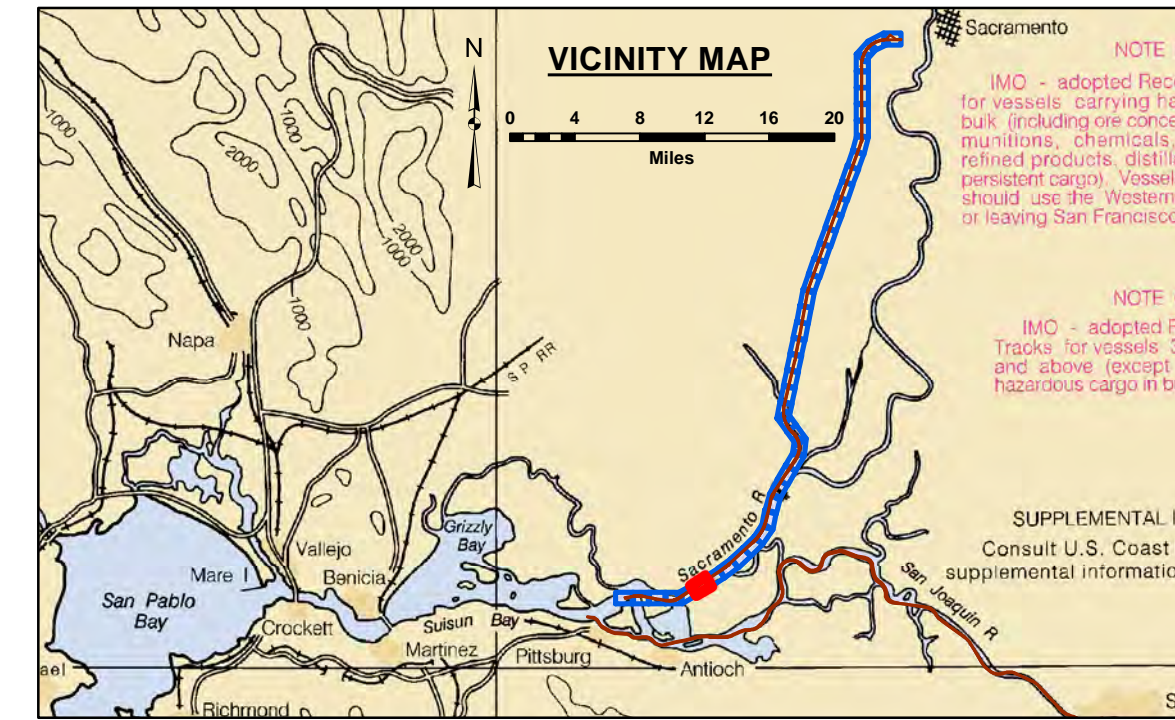


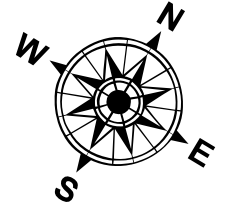
DISCLAIMER: The United States Government furnishes this data and the information contained herein for the use of the recipient only. The recipient shall be responsible for the accuracy of the data and the information contained herein. The recipient shall not be held liable for any errors or omissions in the data and the information contained herein. The recipient shall not be held liable for any damage or injury resulting from the use of the data and the information contained herein. The recipient shall not be held liable for any loss of data or information resulting from the use of the data and the information contained herein. The recipient shall not be held liable for any loss of data or information resulting from the use of the data and the information contained herein.

| | |
|---|--------------------------|
| Prepared Under the Direction of TIMOTHY W. SHEBESTA LT. COLONEL, C.E., DISTRICT ENGINEER | Chart Date: Sep 20, 2023 |
| Submitted: Hydro Survey Team Leader | Designed by: _____ |
| Recommended: Chief, Hydro Survey Section | Plotted By: PDT |
| Approved: Chief, Construction Branch | Checked By: PDT |
| | Drawn by: PDT |

CALIFORNIA
SAN JOAQUIN COUNTY
SACRAMENTO RIVER
POST-DREDGE SURVEY
13 & 14 - 17 AUGUST 2023
03, 9 & 13 SEPTEMBER 2023



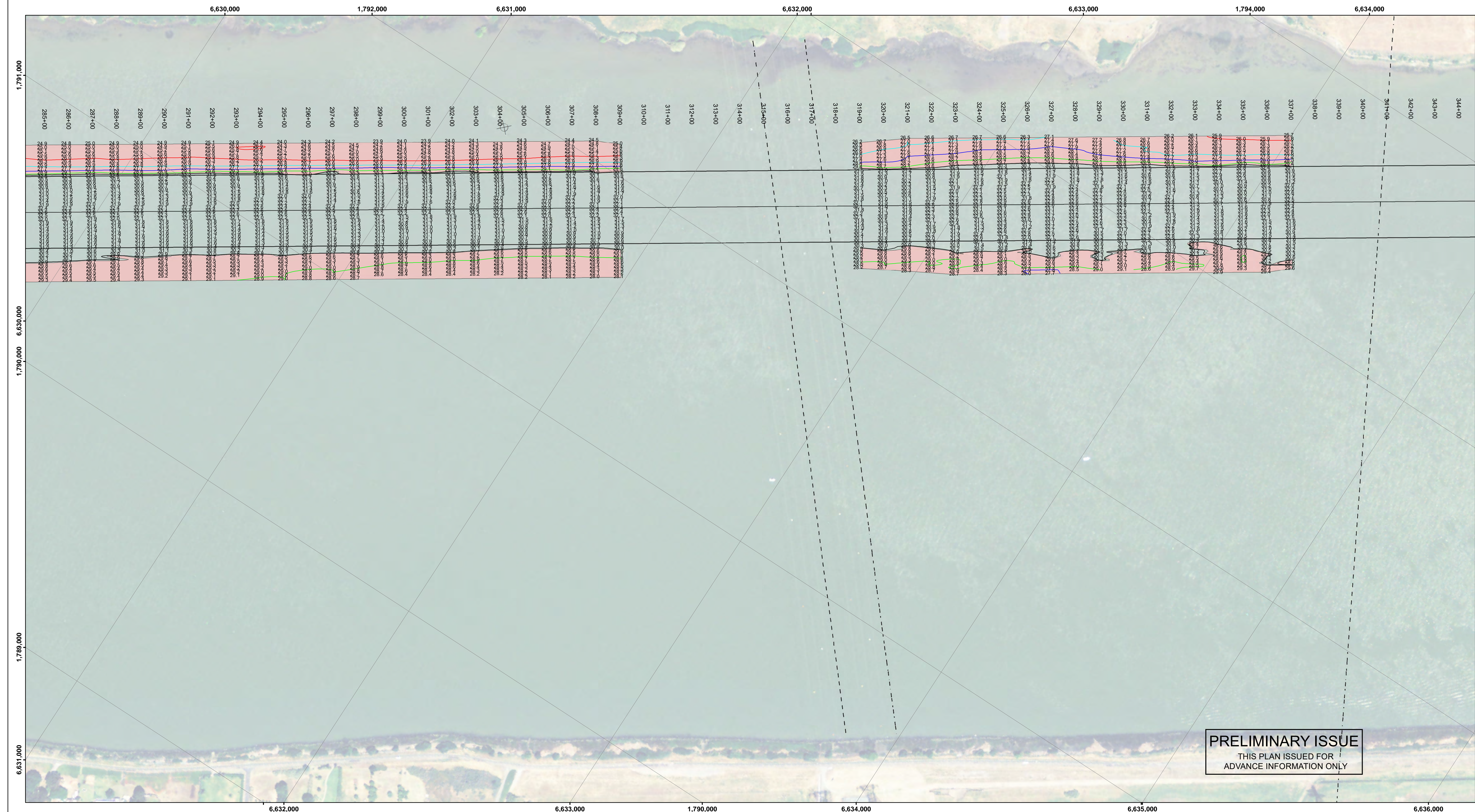
| LEGEND | | Shoaling Area | Contours |
|----------------------------------|---------------------|--|----------|
| --- Federal Navigation Channel | ▨ Cable Area | Shoalest Sounding within Channel Quarter** | — -30 |
| — Federal Navigation Center Line | □ Placement Area | ⬇ Beacon, General | — -29 |
| ⋯ Cable Submarine | ⊠ Anchorage Area | ⬆ Red Navigation Buoy | — -28 |
| - - - Cable Overhead | ⊗ Obstruction Point | ⬇ Green Navigation Buoy | — -27 |
| — Contour Line | ✈ Wrecks-Submerged | | — -26 |



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.
SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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.

Sheet Reference Number
6 of 45

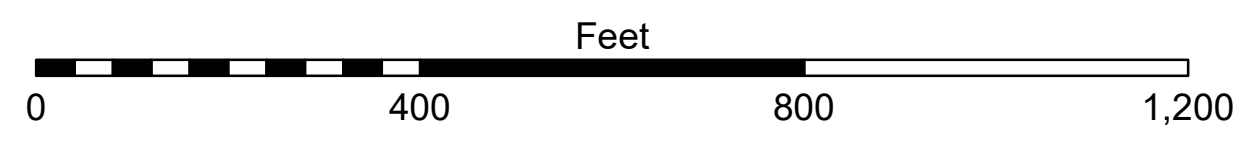
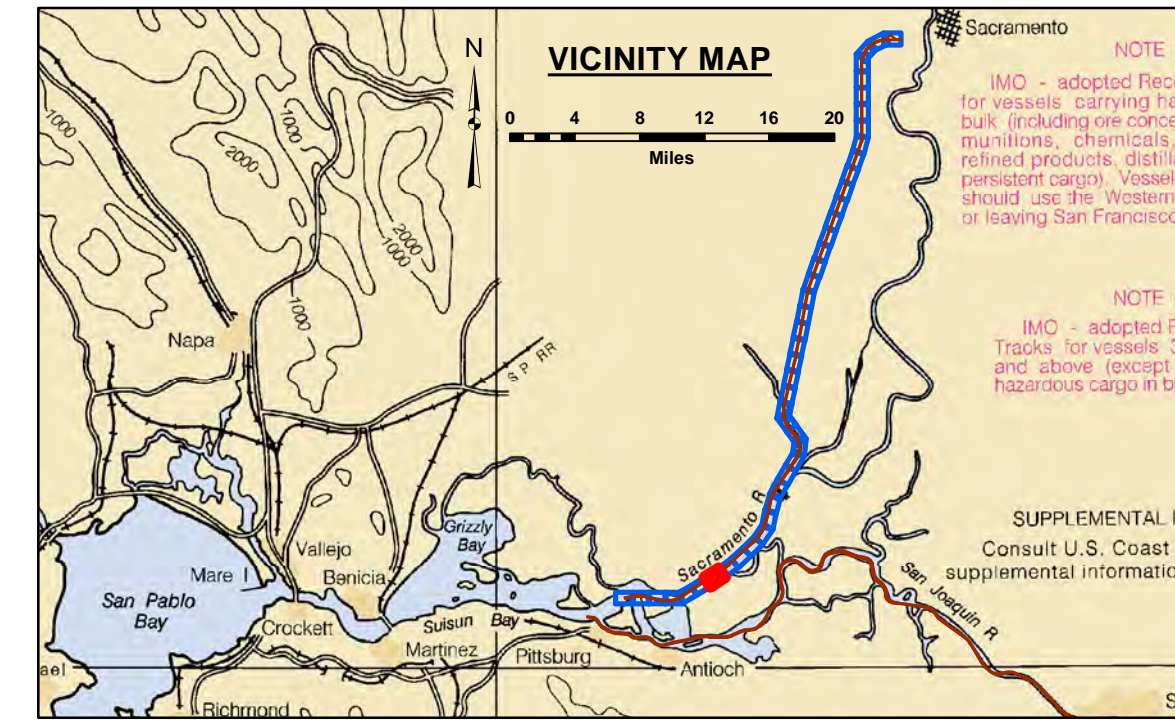


DISCLAIMER
 The United States Government furnishes this data and the user of this data assumes all liability for its use. The user is responsible for the results of any application of the data for other than its intended purpose.
 Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is not intended for use in other projects. At such, it is only used for its intended purpose and is not intended for other projects. The user is responsible for the results of any application of the data for other than its intended purpose.

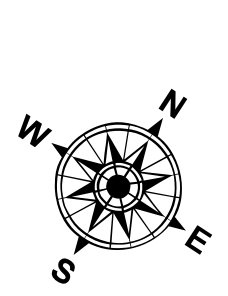
| | |
|--------------|----------------------------|
| Chart Date: | Sep 20, 2023 |
| Designed by: | PDT |
| Drawn by: | PDT |
| Surveyed By: | PDT |
| Plotted By: | PDT |
| Checked By: | PDT |
| Approved: | Chief, Construction Branch |

CALIFORNIA
 SAN JOAQUIN COUNTY
SACRAMENTO RIVER
 POST-DREDGE SURVEY
 13 & 14 - 17 AUGUST 2023
 03, 9 & 13 SEPTEMBER 2023

Sheet Reference Number
 7 of 45



| LEGEND | | Shoaling Area | Contours |
|----------------------------------|---------------------|--|----------|
| --- Federal Navigation Channel | ▨ Cable Area | ● Shoalest Sounding within Channel Quarter** | — -30 |
| — Federal Navigation Center Line | □ Placement Area | ⊥ Beacon, General | — -29 |
| ⋯ Cable Submarine | ⊠ Anchorage Area | ⬇ Red Navigation Buoy | — -28 |
| - - - Cable Overhead | ⊗ Obstruction Point | ⬇ Green Navigation Buoy | — -27 |
| — Contour Line | ✈ Wrecks-Submerged | | — -26 |



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.
 SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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.



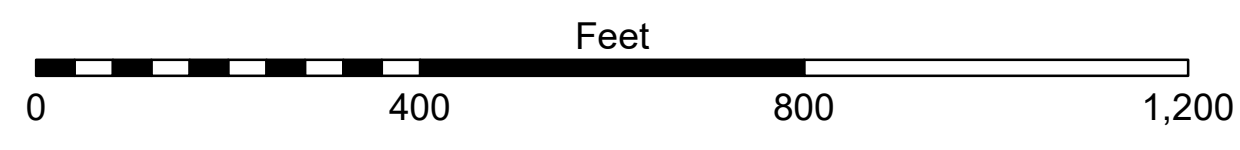
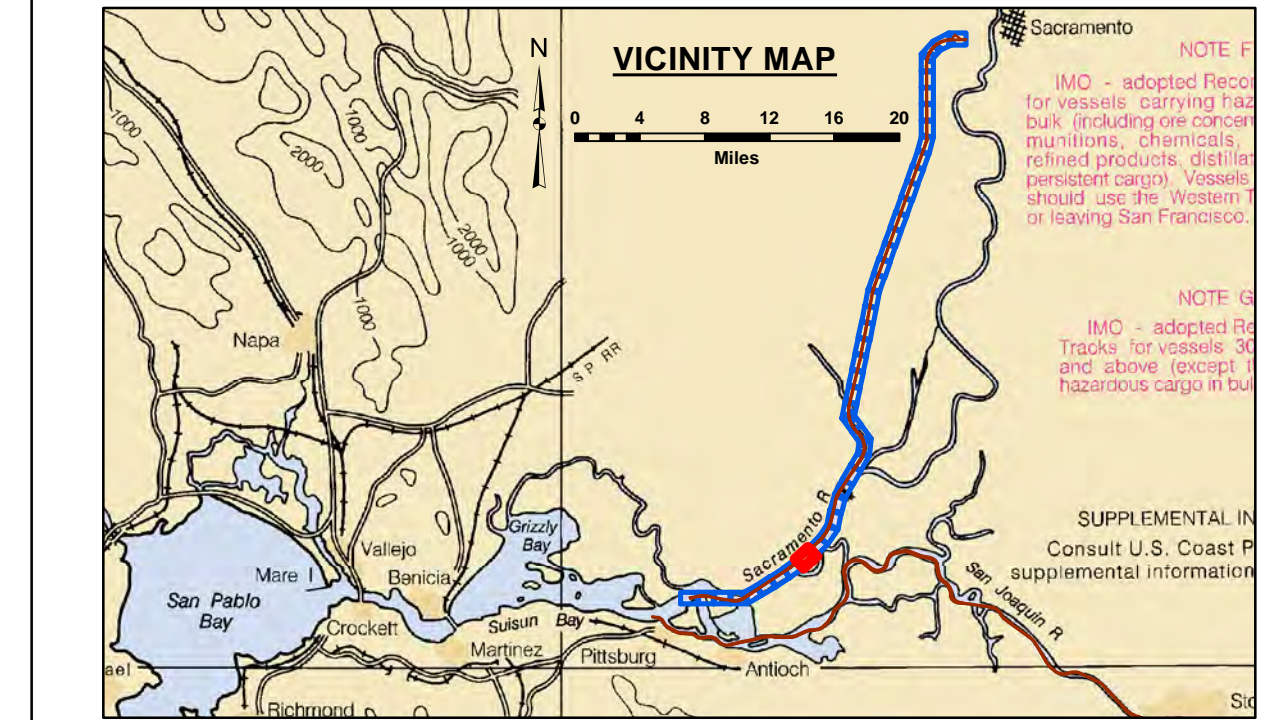
DISCLAIMER
 The United States Government furnishes this data and the information contained herein for the use of the recipient and does not warrant the accuracy, completeness, or timeliness of the information. The recipient shall be responsible for the accuracy of the information used in any application of the data for other than its intended purpose. The recipient may not transfer these data to others without obtaining the permission of the United States Government. The recipient may not transfer these data to others without obtaining the permission of the United States Government.

| | |
|---|--------------------------|
| Prepared Under the Direction of TIMOTHY W. SHEBESTA LT. COLONEL, C.E., DISTRICT ENGINEER | Chart Date: Sep 20, 2023 |
| Submitted: Hydro Survey Team Leader | Designed by: PDT |
| Recommended: Chief, Hydro Survey Section | Checked by: PDT |
| Approved: Chief, Construction Branch | Drawn by: PDT |

CALIFORNIA
 SAN JOAQUIN COUNTY
SACRAMENTO RIVER
 POST-DREDGE SURVEY
 13 & 14 - 17 AUGUST 2023
 03, 9 & 13 SEPTEMBER 2023

Sheet Reference Number
9 of 45

PRELIMINARY ISSUE
 THIS PLAN ISSUED FOR
 ADVANCE INFORMATION ONLY



| LEGEND | | Shoaling Area | Contours |
|----------------------------------|---------------------|--|----------|
| --- Federal Navigation Channel | ▨ Cable Area | Shoaling Area | — -30 |
| — Federal Navigation Center Line | □ Placement Area | ● Shoalest Sounding within Channel Quarter** | — -29 |
| Cable Submarine | ▭ Anchorage Area | ⊥ Beacon, General | — -28 |
| - - - Cable Overhead | ⊗ Obstruction Point | ♦ Red Navigation Buoy | — -27 |
| — Contour Line | ✈ Wrecks-Submerged | ♦ Green Navigation Buoy | — -26 |



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.

SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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.

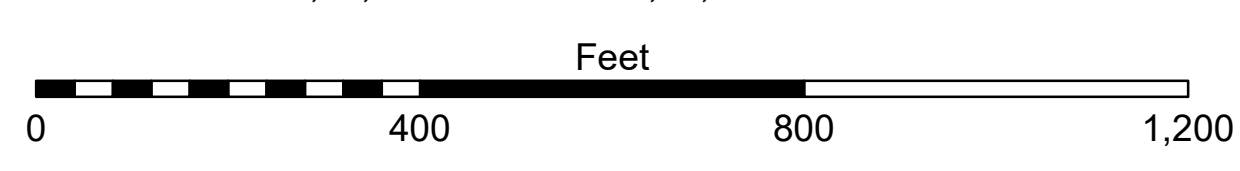
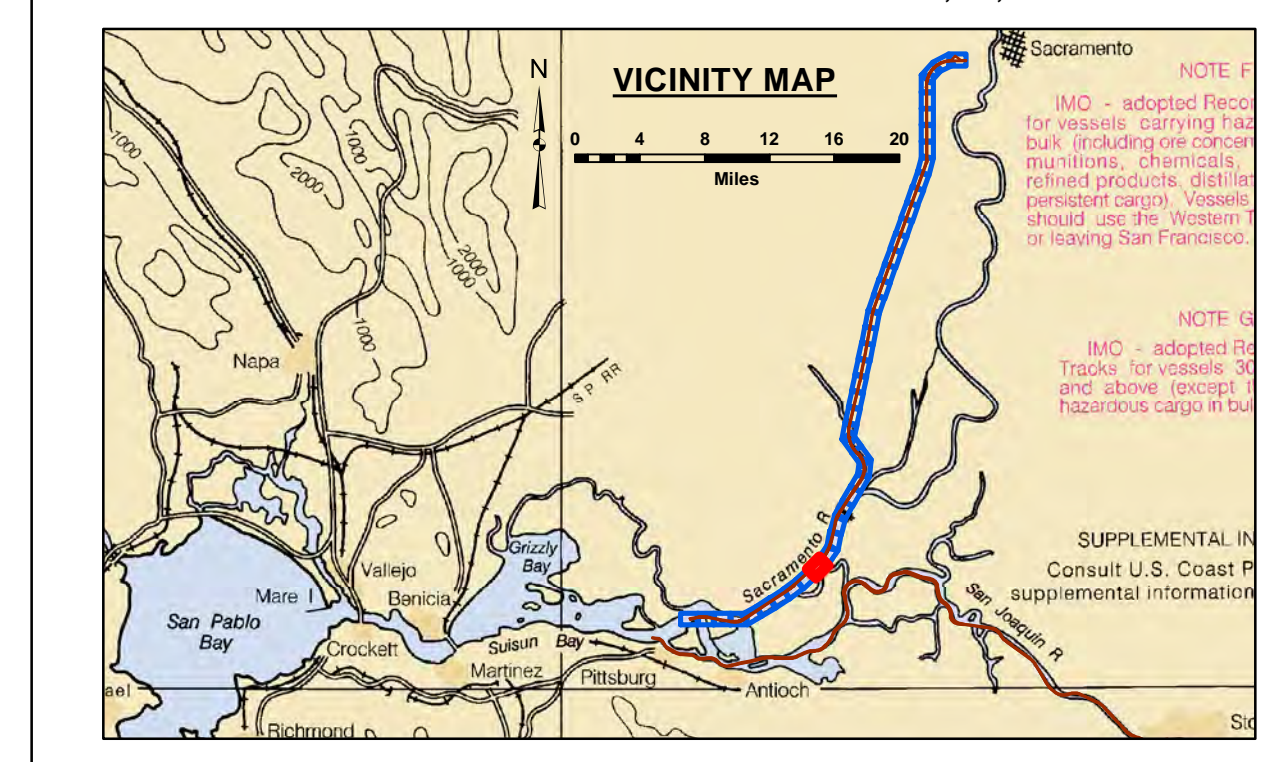


DISCLAIMER: The United States Government furnishes this data and the information contained herein for the use of the recipient only. The recipient shall be responsible for the accuracy, completeness, and reliability of the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use of the data furnished hereunder, and the recipient shall be responsible for the accuracy, completeness, and reliability of the data furnished. The recipient shall be responsible for the accuracy, completeness, and reliability of the data furnished. The recipient shall be responsible for the accuracy, completeness, and reliability of the data furnished. The recipient shall be responsible for the accuracy, completeness, and reliability of the data furnished.

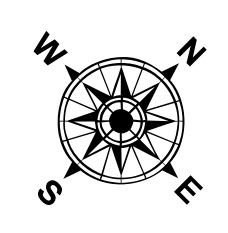
| | |
|--------------|----------------------------|
| Chart Date: | Sep 20, 2023 |
| Designed by: | PDT |
| Drawn by: | PDT |
| Surveyed By: | |
| Plotted By: | PDT |
| Checked By: | PDT |
| Approved: | Chief, Construction Branch |

CALIFORNIA
 SAN JOAQUIN COUNTY
SACRAMENTO RIVER
 POST-DREDGE SURVEY
 13 & 14 - 17 AUGUST 2023
 03, 9 & 13 SEPTEMBER 2023

Sheet Reference Number
10 of 45

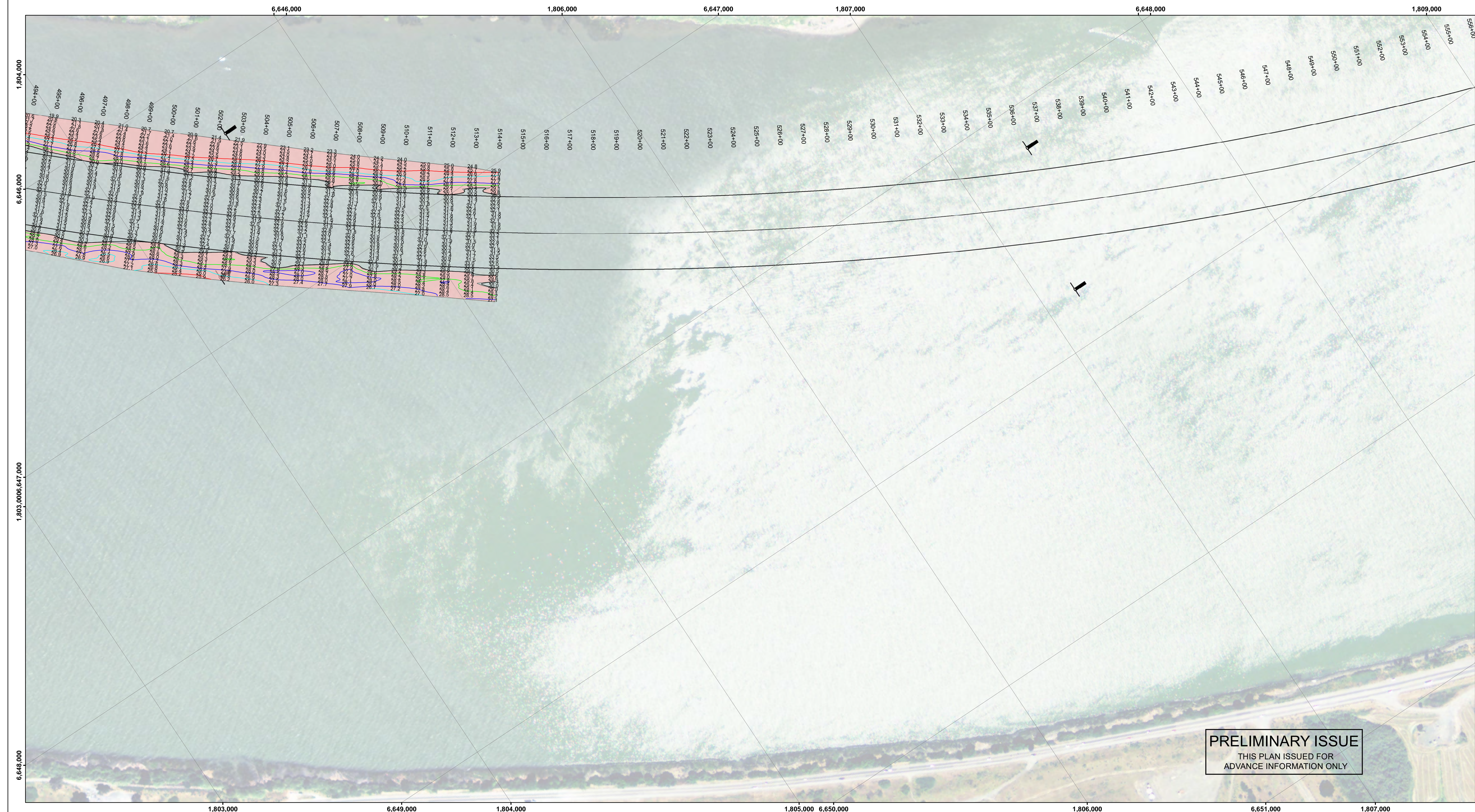


| LEGEND | | Shoaling Area | Contours |
|----------------------------------|---------------------|--|----------|
| --- Federal Navigation Channel | ▨ Cable Area | Shoaling Area | — -30 |
| — Federal Navigation Center Line | □ Placement Area | ● Shoalest Sounding within Channel Quarter** | — -29 |
| Cable Submarine | ▭ Anchorage Area | ⊥ Beacon, General | — -28 |
| - - - Cable Overhead | ⊗ Obstruction Point | ◆ Red Navigation Buoy | — -27 |
| — Contour Line | ✈ Wrecks-Submerged | ◆ Green Navigation Buoy | — -26 |

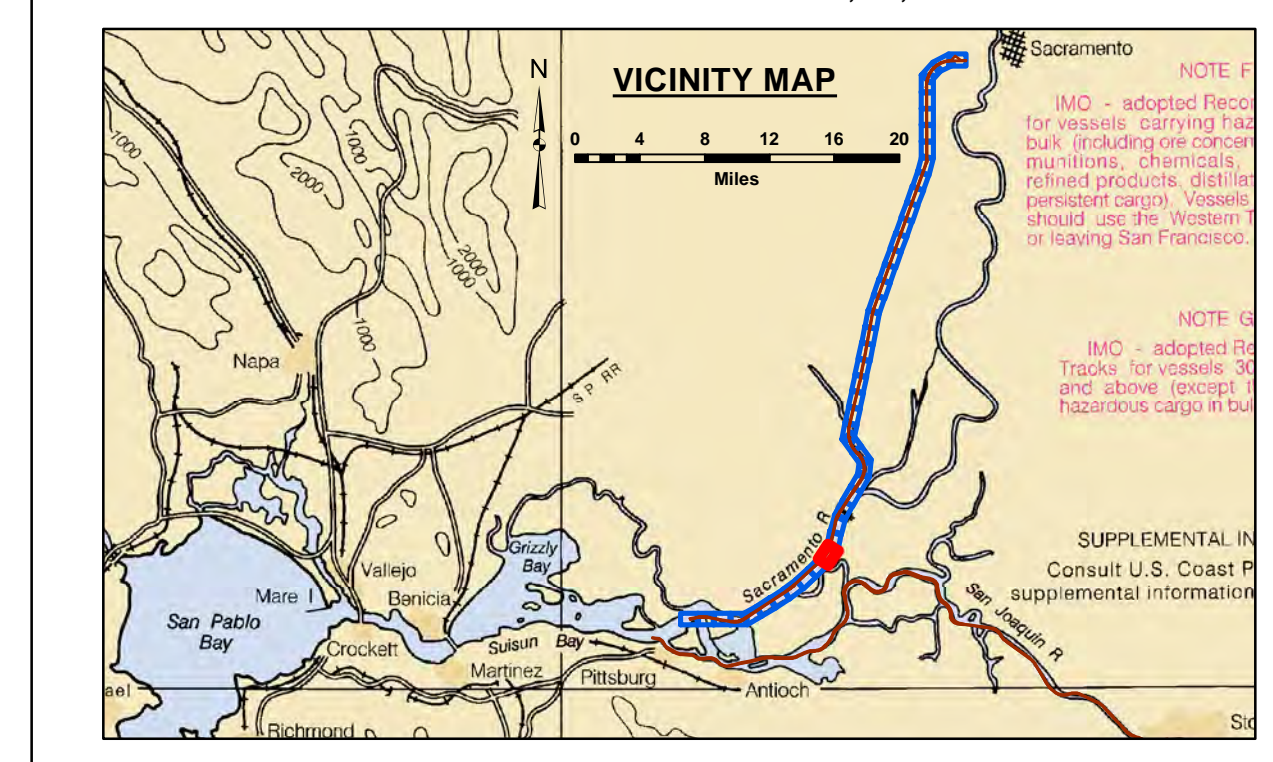


NOTES:
 DRAWING NOT TO BE USED FOR NAVIGATION. ONLY CHANNEL CONDITION AT DATE OF SURVEY. THE LOCATION OF ALL NAVIGATION AIDS ARE BASED ON INFORMATION PROVIDED BY THE U.S. COAST GUARD. BUOY LOCATIONS REPRESENT THE POSITION OF THE SINKER ONLY.
 SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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

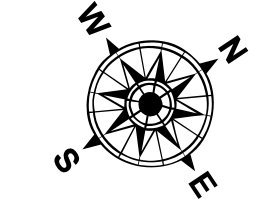
CONTROLS:
 LOCATION: RIO VISTA
 NOAA STATION: 9415316
 BENCHMARK: 5316 B 1996 (NO PID)
 TIDE GAUGE: NAIL @ 8.2 FT MLLW
 METADATA: NAIL SET BY USACE 31 MARCH, 2014
 LOCATION: PORT OF WEST SACRAMENTO
 NOAA STATION: 9416131
 BENCHMARK: POWS1 (NO PID)
 TIDE GAUGE: NAIL @ 10.0 FT MLLW
 METADATA: NAIL SET BY USACE 8 APRIL, 2014
 ALL HORIZONTAL POSITIONS AND MLLW ELEVATIONS WERE POST-PROCESSED USING PUBLIC GPS REFERENCE STATIONS IN THE AREA.



PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY



| LEGEND | | Shoaling Area | Contours |
|----------------------------------|---------------------|--|----------|
| --- Federal Navigation Channel | ▨ Cable Area | ● Shoalest Sounding within Channel Quarter** | — -30 |
| — Federal Navigation Center Line | □ Placement Area | ⊥ Beacon, General | — -29 |
| ⋯ Cable Submarine | ⊠ Anchorage Area | ♦ Red Navigation Buoy | — -28 |
| - - - Cable Overhead | ⊗ Obstruction Point | ◆ Green Navigation Buoy | — -27 |
| — Contour Line | ✈ Wrecks-Submerged | | — -26 |



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.

SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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 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 used for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purposes.

ACCESS CONSTRAINTS: The United States Government furnishes this data and the US Coast Guard uses them with the express understanding that neither the US Coast Guard nor the United States Government is responsible for the accuracy, completeness, or implied concerning the accuracy, completeness, information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use of the data furnished. The recipient of this data shall be deemed to have agreed to accept the data as shown, as other than Government provided data. The recipient may not transfer these data to others without also transferring this Disclaimer.

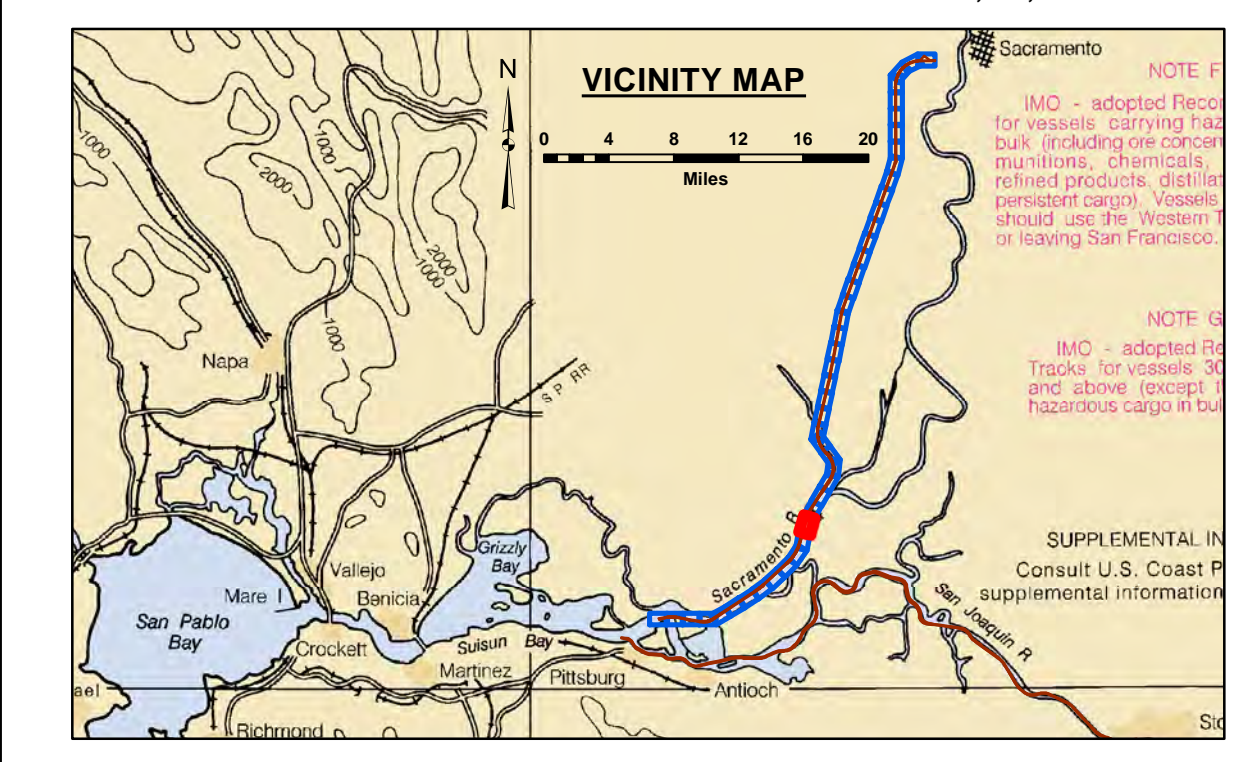
| | |
|---|-----------------------------|
| Prepared Under the Direction of TIMOTHY W. SHEBESTA LT. COLONEL, C.E., DISTRICT ENGINEER | Chart Date: Sep 20, 2023 |
| Submitted: Hydro Survey Team Leader | Designed by: PDT |
| Recommended: Chief, Hydro Survey Section | Drawn by: PDT |
| Approved: Chief, Construction Branch | |

CALIFORNIA
SAN JOAQUIN COUNTY
SACRAMENTO RIVER
POST-DREDGE SURVEY
13 & 14 - 17 AUGUST 2023
03, 9 & 13 SEPTEMBER 2023

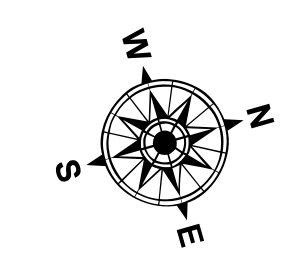
Sheet
Reference
Number
11 of 45



PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY



| LEGEND | | Shoaling Area | Contours |
|----------------------------------|---------------------|--|----------|
| --- Federal Navigation Channel | ▨ Cable Area | Shoaling Area | — -30 |
| — Federal Navigation Center Line | □ Placement Area | ● Shoalest Sounding within Channel Quarter** | — -29 |
| Cable Submarine | ▨ Anchorage Area | ⊥ Beacon, General | — -28 |
| - - - Cable Overhead | ⊗ Obstruction Point | ♦ Red Navigation Buoy | — -27 |
| — Contour Line | ✈ Wrecks-Submerged | ♦ Green Navigation Buoy | — -26 |



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.

SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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.

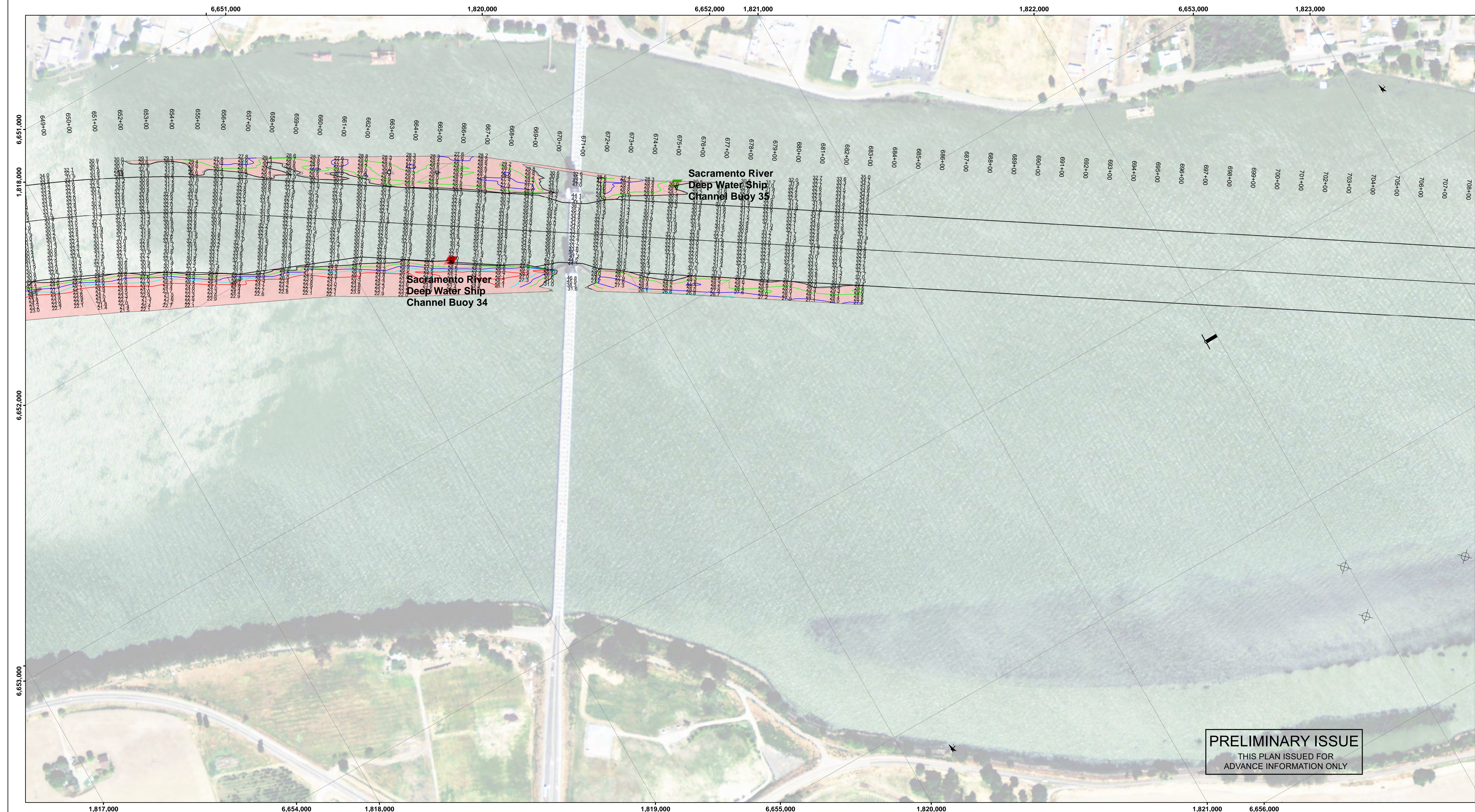


DISCLAIMER
The United States Government furnishes these data and the use of the U.S. Coast Guard and uses them with the express understanding that the U.S. Coast Guard does not warrant the accuracy, completeness, or implied concerning the accuracy, completeness, or implied concerning the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use of these data for any purpose other than that for which they were prepared. The recipient may not transfer these data to others without also transferring this Disclaimer.

| | |
|---|--------------------------|
| PREPARED UNDER THE DIRECTION OF TIMOTHY W. SHEBESTA LT. COLONEL, C.E., DISTRICT ENGINEER | Chart Date: Sep 20, 2023 |
| Submitted: Hydro Survey Team Leader | Designed by: _____ |
| Recommended: Chief, Hydro Survey Section | Drawn by: _____ |
| Approved: _____ | Checked by: _____ |
| Chief, Construction Branch | PDT |
| Surveyed By: _____ | PDT |
| Plotted By: _____ | PDT |
| Checked By: _____ | PDT |

CALIFORNIA
SAN JOAQUIN COUNTY
SACRAMENTO RIVER
POST-DREDGE SURVEY
13 & 14 - 17 AUGUST 2023
03, 9 & 13 SEPTEMBER 2023

Sheet Reference Number
13 of 45

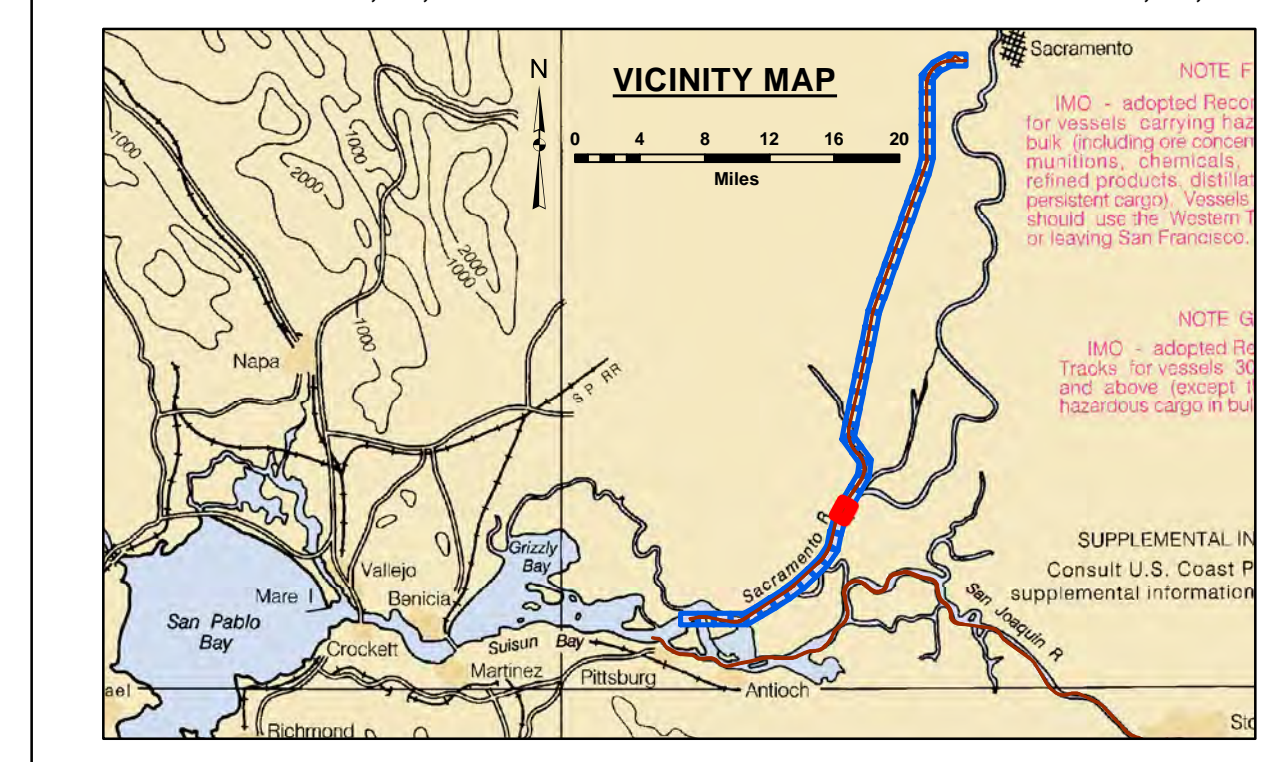


DISCLAIMER: The United States Government furnishes these data and the use of the US Coast Guard is not intended to be construed as a warranty, expressed or implied concerning the accuracy, completeness, or reliability of the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use of these data, in whole or in part, for any purpose other than that for which they were prepared. The recipient may not transfer these data to others without obtaining the permission of the United States Government.

| | |
|----------------------------|--------------|
| Chart Date: | Sep 20, 2023 |
| Designed by: | |
| Drawn by: | PDT |
| Surveyed By: | |
| Plotted By: | PDT |
| Checked By: | PDT |
| Approved: | |
| Chief, Construction Branch | |

CALIFORNIA
 SAN JOAQUIN COUNTY
SACRAMENTO RIVER
 POST-DREDGE SURVEY
 13 & 14 - 17 AUGUST 2023
 03, 9 & 13 SEPTEMBER 2023

Sheet Reference Number
14 of 45



0 400 800 1,200 Feet

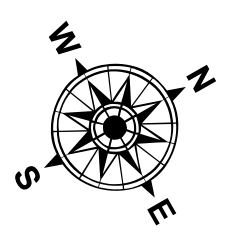
| | | | |
|----------------------------------|---------------------|--|------------|
| --- Federal Navigation Channel | ▨ Cable Area | ■ Shoaling Area | — Contours |
| — Federal Navigation Center Line | □ Placement Area | ● Shoalest Sounding within Channel Quarter** | — -30 |
| Cable Submarine | ⊠ Anchorage Area | ⊥ Beacon, General | — -29 |
| - - - Cable Overhead | ⊗ Obstruction Point | ◆ Red Navigation Buoy | — -28 |
| — Contour Line | ✈ Wrecks-Submerged | ◆ Green Navigation Buoy | — -27 |
| | | | — -26 |

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.
 SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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
 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 used for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

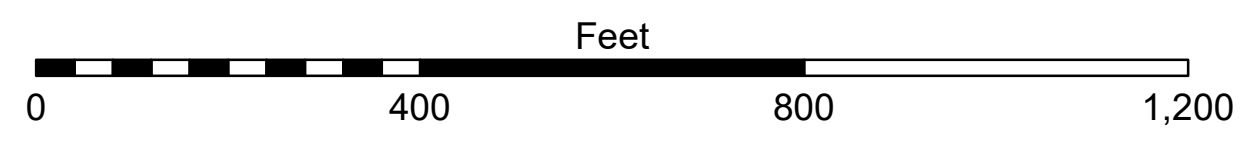
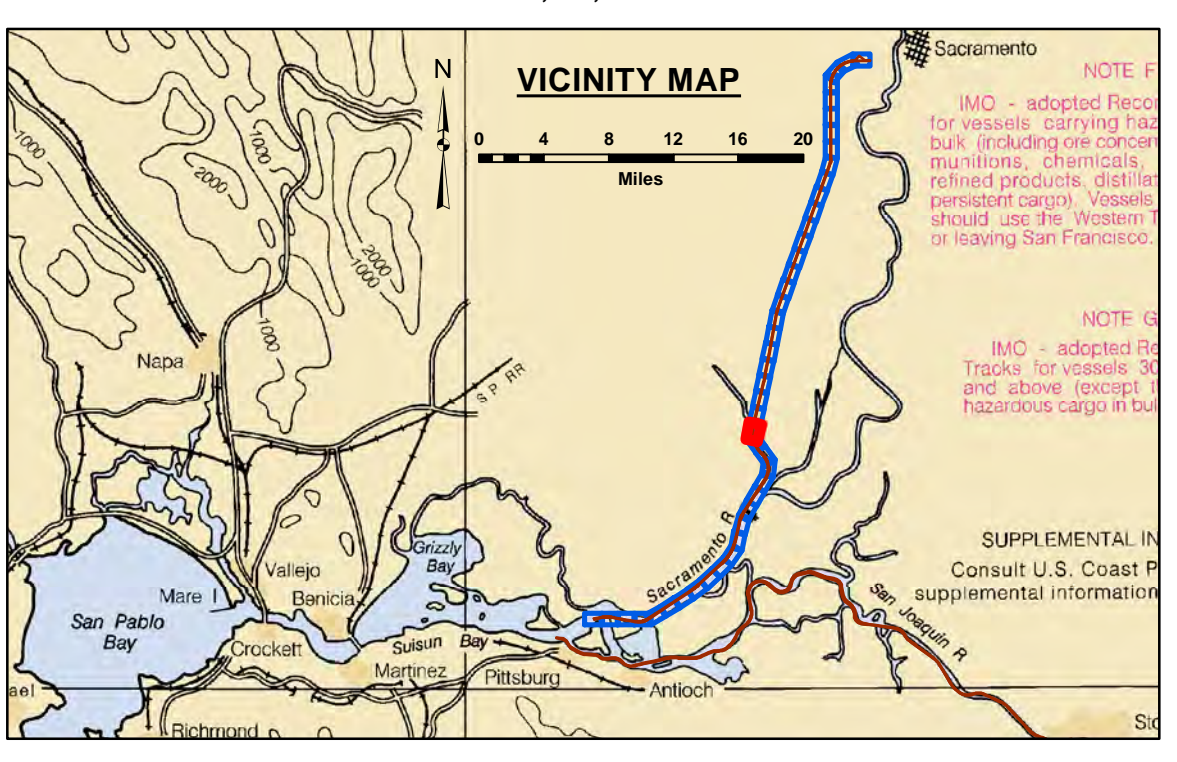
ACCESS CONSTRAINTS: The United States Government furnishes this data and the results of its analysis and use with the express understanding that the US Coast Guard is not responsible for the accuracy, completeness, or implied concerning the accuracy, completeness, or reliability of the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use of this data, or the results of its analysis and use, or the information and the data furnished. The United States shall be under no liability to any person by reason of any use of this data, or the results of its analysis and use, or the information and the data furnished. The recipient may not transfer these data to others without transferring this Disclaimer.

| | |
|--------------|--------------|
| Chart Date: | Sep 20, 2023 |
| Designed by: | PDT |
| Drawn by: | PDT |
| Surveyed By: | PDT |
| Plotted By: | PDT |
| Checked By: | PDT |

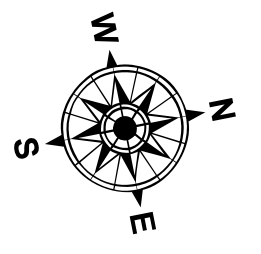
PREPARED UNDER THE DIRECTION OF
TIMOTHY W. SHEBESTA
 LT. COLONEL, C.E., DISTRICT ENGINEER

Submitted: Hydro Survey Team Leader
 Recommended: Chief, Hydro Survey Section
 Approved: Chief, Construction Branch

PRELIMINARY ISSUE
 THIS PLAN ISSUED FOR
 ADVANCE INFORMATION ONLY



| LEGEND | | Shoaling Area | Contours |
|----------------------------------|---------------------|--|----------|
| --- Federal Navigation Channel | ▨ Cable Area | ▨ Shoaling Area | — -30 |
| — Federal Navigation Center Line | □ Placement Area | ● Shoalest Sounding within Channel Quarter** | — -29 |
| Cable Submarine | ▨ Anchorage Area | ⊥ Beacon, General | — -28 |
| - - - Cable Overhead | ⊗ Obstruction Point | ◆ Red Navigation Buoy | — -27 |
| — Contour Line | ✈ Wrecks-Submerged | ◆ Green Navigation Buoy | — -26 |



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.

SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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: 9415131
 BENCHMARK: POWS1 (NO PID)
 TIDE GAUGE: NAIL @ 10.0 FT MLLW
 METADATA: NAIL SET BY USACE 8 APRIL, 2014

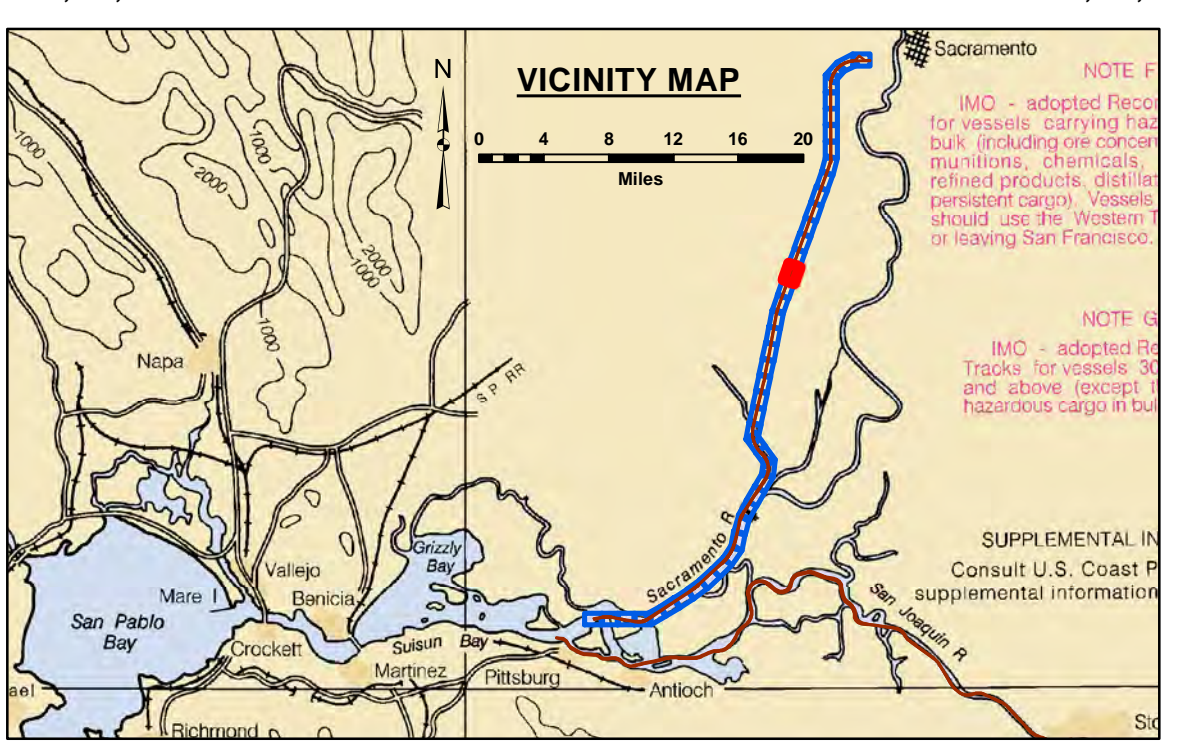
ALL HORIZONTAL POSITIONS AND MLLW ELEVATIONS WERE POST-PROCESSED USING PUBLIC GPS REFERENCE STATIONS IN THE AREA.

CALIFORNIA
 SAN JOAQUIN COUNTY
SACRAMENTO RIVER
 POST-DREDGE SURVEY
 13 & 14 - 17 AUGUST 2023
 03, 9 & 13 SEPTEMBER 2023

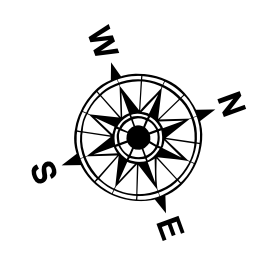
Sheet Reference Number
 20 of 45



PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY



| LEGEND | | Contours | |
|----------------------------------|---------------------|----------|--|
| --- Federal Navigation Channel | ▨ Cable Area | — -30 | |
| — Federal Navigation Center Line | □ Placement Area | — -29 | |
| Cable Submarine | ▭ Anchorage Area | — -28 | |
| - - - Cable Overhead | ⊗ Obstruction Point | — -27 | |
| — Contour Line | ✈ Wrecks-Submerged | — -26 | |
| | | | ■ Shoaling Area |
| | | | ● Shoalest Sounding within Channel Quarter** |
| | | | ⊥ Beacon, General |
| | | | ◆ Red Navigation Buoy |
| | | | ◆ 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.

SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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.



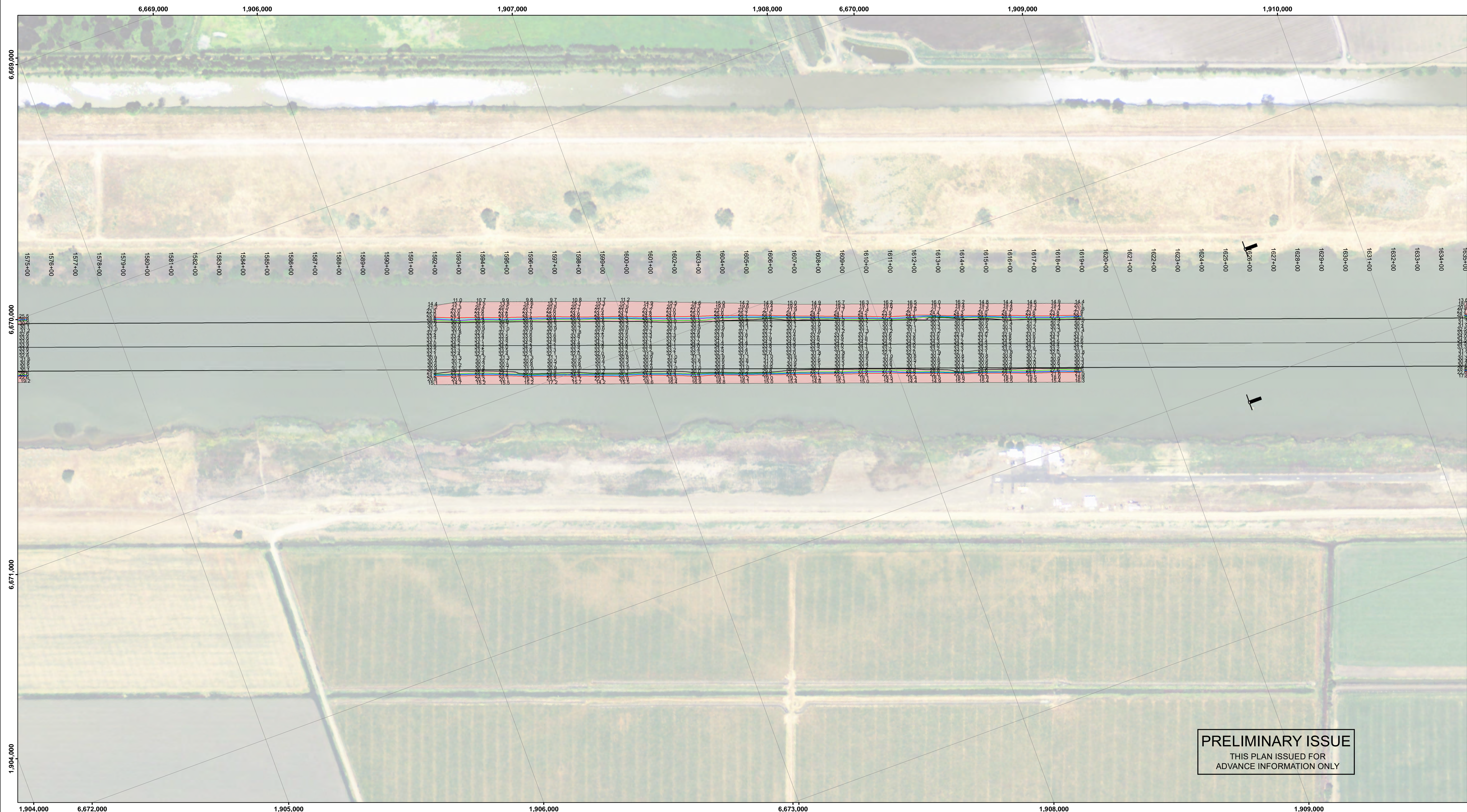
DISCLAIMER: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. It is not intended for use in any other project. Accuracy of the data is not guaranteed. The user is responsible for the results of any application of the data for other than its intended purpose.

ACCESS CONSTRAINTS: The United States Government furnishes this data and the information contained herein with the express understanding that it is not to be distributed, reproduced, or used in any way that would imply endorsement, approval, or implied concern for accuracy, completeness, or reliability. 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 information and data furnished. The recipient may not transfer this data to others without also transferring this Disclaimer.

| | |
|--------------|----------------------------|
| Chart Date: | Sep 20, 2023 |
| Designed by: | PDT |
| Drawn by: | PDT |
| Checked by: | PDT |
| Approved: | Chief, Construction Branch |
| Surveyed By: | |
| Plotted By: | PDT |

CALIFORNIA
SAN JOAQUIN COUNTY
SACRAMENTO RIVER
POST-DREDGE SURVEY
13 & 14 - 17 AUGUST 2023
03, 9 & 13 SEPTEMBER 2023

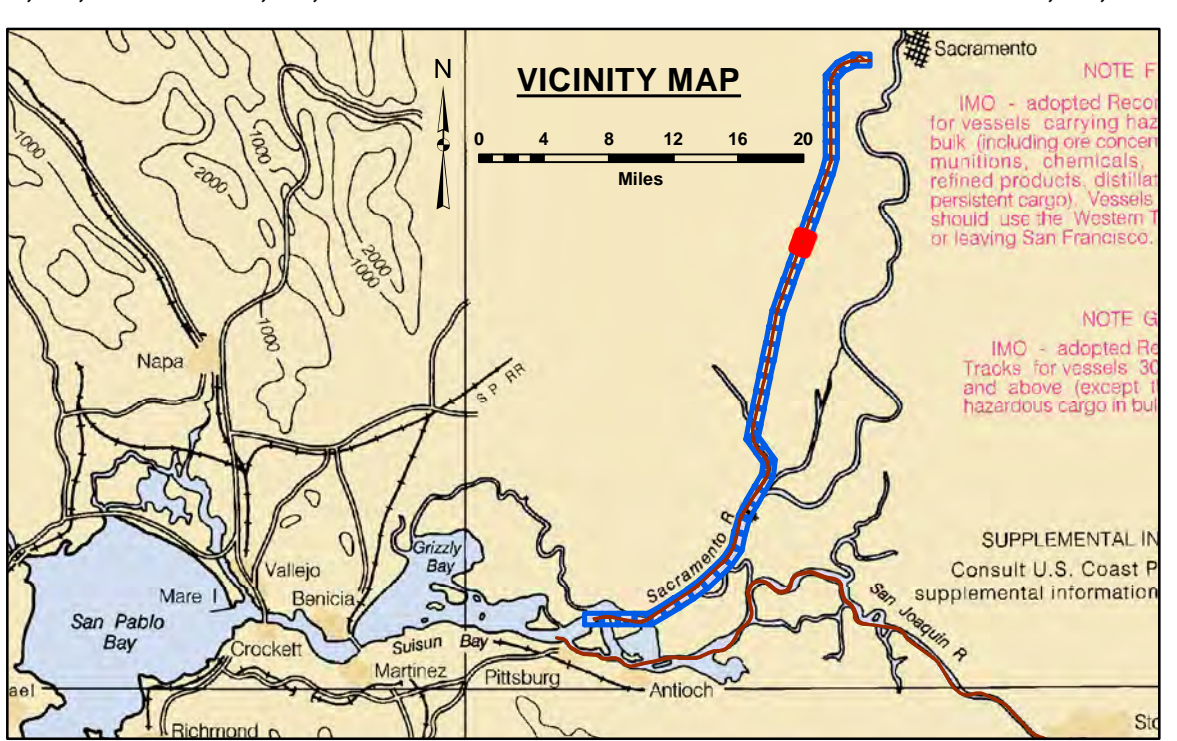
Sheet
Reference
Number
30 of 45



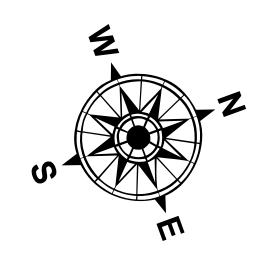
DISCLAIMER: The United States Government furnishes these data and the results of the processing thereof for the specific use and purposes intended. The user is responsible for the results of any application of the data for other than its intended purpose. The United States Government makes no warranty, expressed or implied, concerning the accuracy, completeness, or reliability of the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use of the data furnished, or of any application of the data for other than its intended purpose. The recipient may not transfer these data to others without also transferring this Disclaimer.

| | |
|---|-----------------------------|
| Prepared Under the Direction of TIMOTHY W. SHEBESTA LT. COLONEL, C.E., DISTRICT ENGINEER | Chart Date: Sep 20, 2023 |
| Submitted: Hydro Survey Team Leader | Designed by: PDT |
| Recommended: Chief, Hydro Survey Section | Drawn by: PDT |
| Approved: Chief, Construction Branch | |

PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY



| LEGEND | | Contours | |
|----------------------------------|--|----------|--|
| --- Federal Navigation Channel | ▨ Cable Area | — -30 | |
| — Federal Navigation Center Line | □ Placement Area | — -29 | |
| Cable Submarine | ▭ Anchorage Area | — -28 | |
| - - - Cable Overhead | ⊗ Obstruction Point | — -27 | |
| — Contour Line | ✦ Wrecks-Submerged | — -26 | |
| | ● Shoaling Area | | |
| | ● Shoalest Sounding within Channel Quarter** | | |
| | ⊥ Beacon, General | | |
| | ◆ Red Navigation Buoy | | |
| | ◆ 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.

SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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

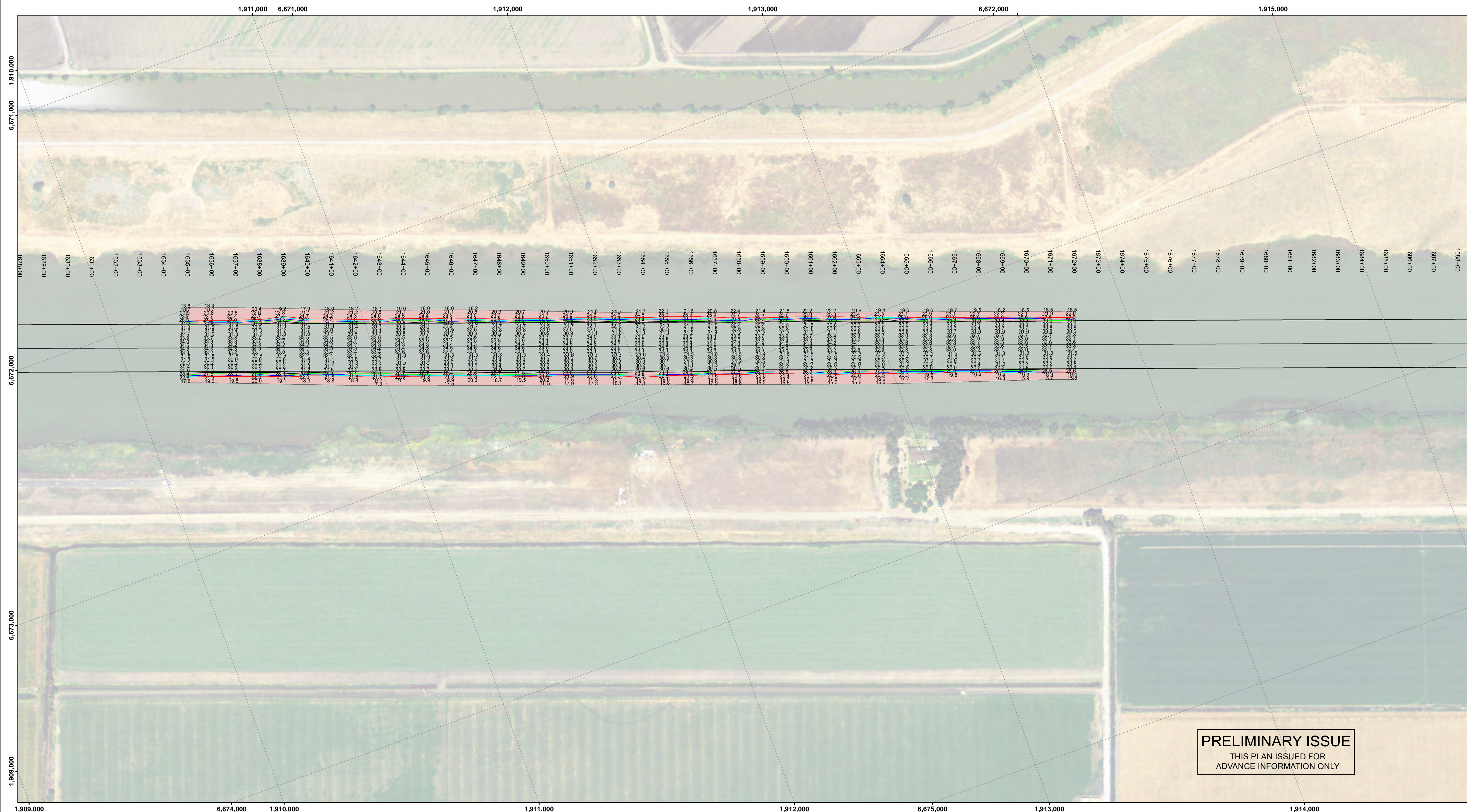
CONTROLS:
LOCATION: RIO VISTA
NOAA STATION: 9415316
BENCHMARK: 5316 B 1996 (NO PID)
TIDE GAUGE: NAIL @ 8.2 FT MLLW
METADATA: NAIL SET BY USACE 31 MARCH, 2014

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

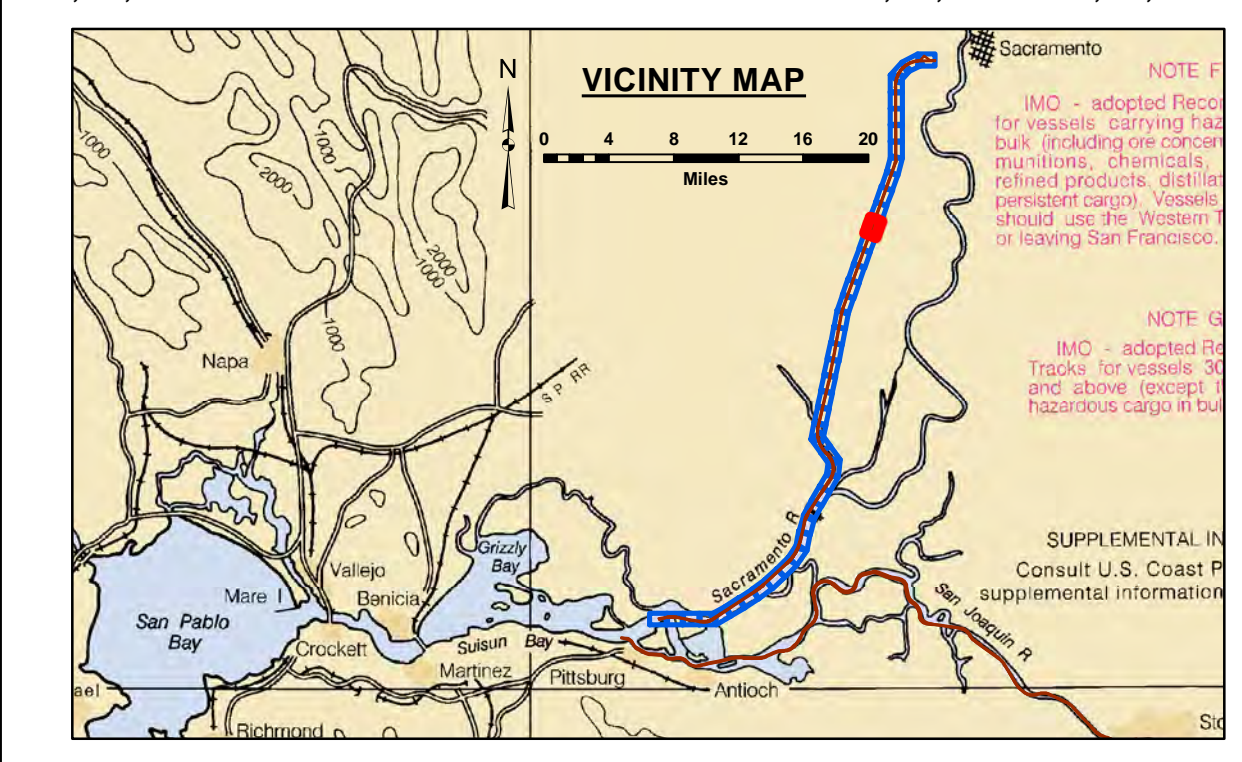
ALL HORIZONTAL POSITIONS AND MLLW ELEVATIONS WERE POST-PROCESSED USING PUBLIC GPS REFERENCE STATIONS IN THE AREA.

CALIFORNIA
SAN JOAQUIN COUNTY
SACRAMENTO RIVER
POST-DREDGE SURVEY
13 & 14 - 17 AUGUST 2023
03, 9 & 13 SEPTEMBER 2023

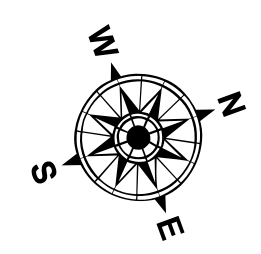
Sheet Reference Number
32 of 45



PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY



| LEGEND | |
|----------------------------------|--|
| --- Federal Navigation Channel | ▨ Cable Area |
| — Federal Navigation Center Line | □ Placement Area |
| Cable Submarine | ⊠ Anchorage Area |
| - - - Cable Overhead | ⊗ Obstruction Point |
| — Contour Line | ✈ Wrecks-Submerged |
| ▭ Shoaling Area | ● Shoalest Sounding within Channel Quarter** |
| ⬇ Beacon, General | ⬇ Red Navigation Buoy |
| — Contours | ◆ Green Navigation Buoy |
| — -30 | |
| — -29 | |
| — -28 | |
| — -27 | |
| — -26 | |



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.

SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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 these data and the recipient uses them with the express understanding that the U.S. Government makes no warranty, expressed or implied concerning the accuracy, completeness, or reliability of the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use of the data furnished, and the recipient shall be responsible for the results of any application of the data for other than its intended purpose. The recipient may not transfer these data to others without transferring this Disclaimer.

| | |
|--------------|----------------------------|
| Chart Date: | Sep 20, 2023 |
| Designed by: | PDT |
| Drawn by: | PDT |
| Surveyed By: | PDT |
| Plotted By: | PDT |
| Checked By: | PDT |
| Approved: | Chief, Construction Branch |

PREPARED UNDER THE DIRECTION OF
TIMOTHY W. SHEBESTA
LT COLONEL, C.E., DISTRICT ENGINEER

Submitted:
Hydro Survey Team Leader

Recommended:
Chief, Hydro Survey Section

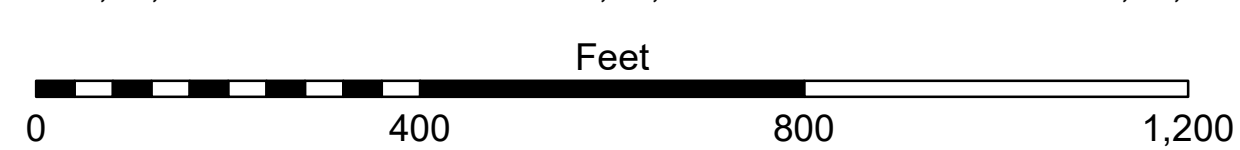
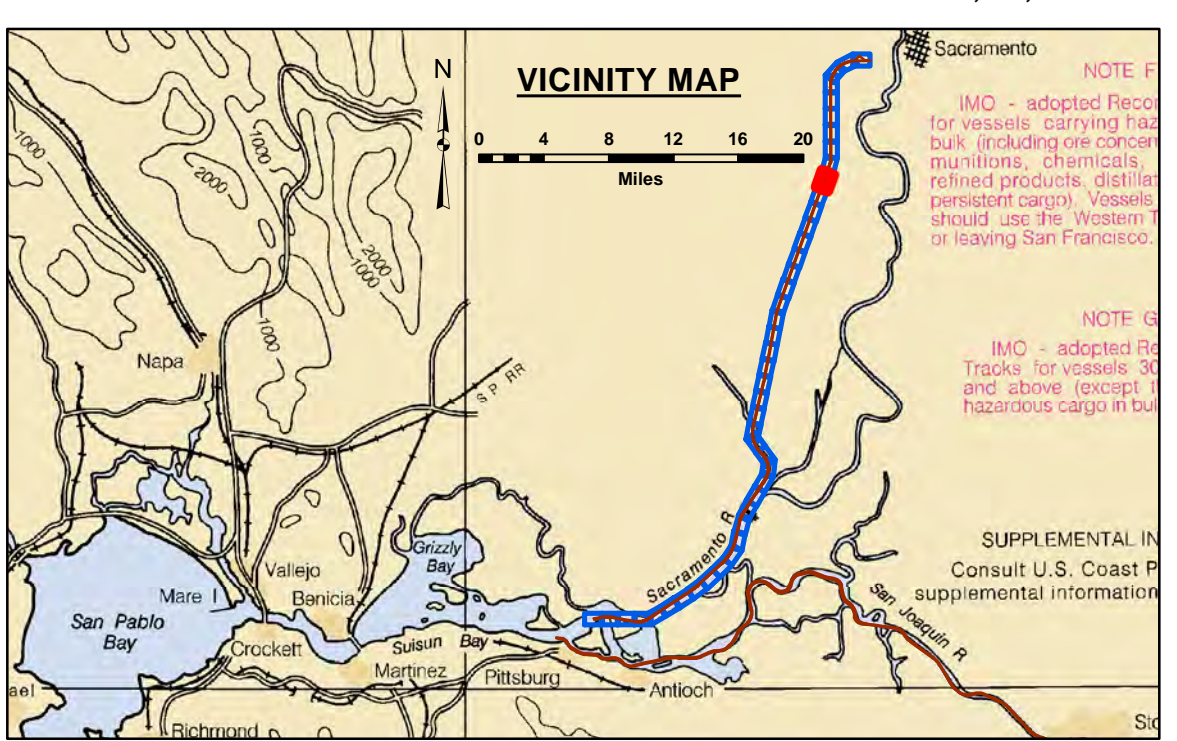
Approved:
Chief, Construction Branch

CALIFORNIA
SAN JOAQUIN COUNTY
SACRAMENTO RIVER
POST-DREDGE SURVEY
13 & 14 - 17 AUGUST 2023
03, 9 & 13 SEPTEMBER 2023

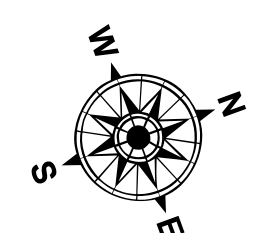
Sheet
Reference
Number
33 of 45



PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY



| LEGEND | | Contours | |
|----------------------------------|--|----------|--|
| --- Federal Navigation Channel | ▨ Cable Area | — -30 | |
| — Federal Navigation Center Line | □ Placement Area | — -29 | |
| Cable Submarine | ▭ Anchorage Area | — -28 | |
| - - - Cable Overhead | ⊗ Obstruction Point | — -27 | |
| — Contour Line | ✈ Wrecks-Submerged | — -26 | |
| | ● Shoalest Sounding within Channel Quarter** | | |
| | ⬇ Beacon, General | | |
| | ♦ Red Navigation Buoy | | |
| | ◆ 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.

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: POWS 1 (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.

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



DISCLAIMER: The United States Government furnishes these data and the means for their use to the user without any expressed or implied warranty of accuracy, completeness, or reliability. 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 these data other than that for which they were prepared. The recipient may not transfer these data to others without obtaining the necessary permission from the Government providing data. The recipient may not transfer these data to others without obtaining the necessary permission from the Government providing data.

| | | |
|---|---------------------|-----------------------------|
| Prepared Under the Direction of TIMOTHY W. SHEBESTA LT. COLONEL, C.E., DISTRICT ENGINEER | Surveyed By: PDT | Chart Date: Sep 20, 2023 |
| Submitted: Hydro Survey Team Leader | Plotted By: PDT | Designed by: PDT |
| Recommended: Chief, Hydro Survey Section | Checked by: PDT | Drawn by: PDT |
| Approved: Chief, Construction Branch | | |

CALIFORNIA
SAN JOAQUIN COUNTY
SACRAMENTO RIVER
POST-DREDGE SURVEY
13 & 14 - 17 AUGUST 2023
03, 9 & 13 SEPTEMBER 2023

Sheet Reference Number
36 of 45