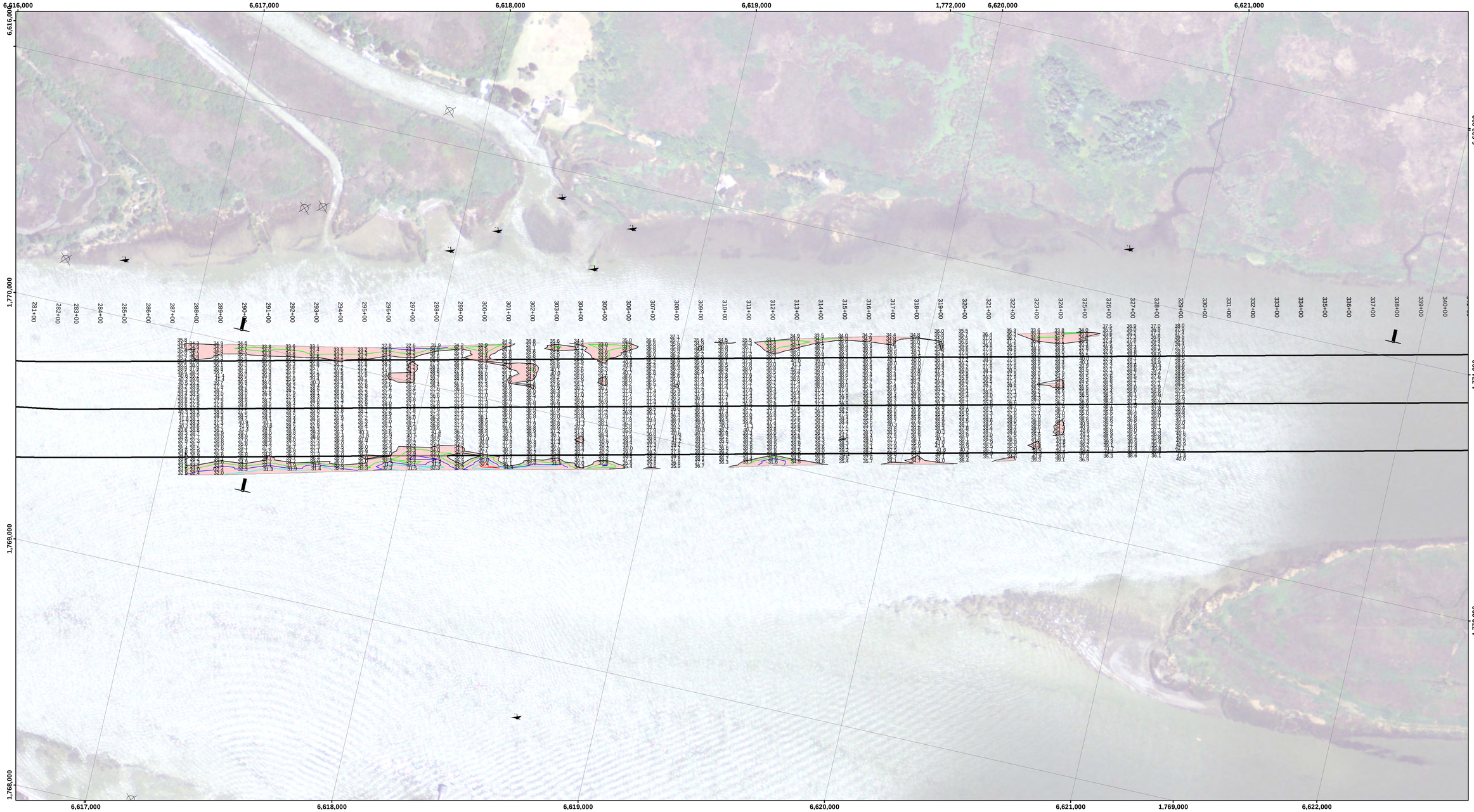
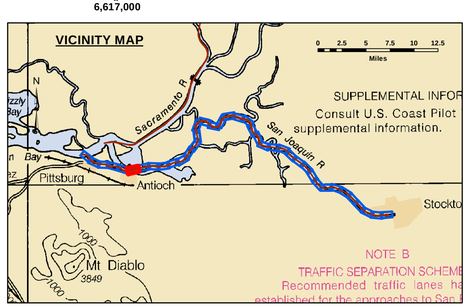



Feet
0 400 800 1,200

## LEGEND

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

**Contours**
-35
-34
-33
-32
-31

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.

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: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT. 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT. 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N W E S

US Army Corps of Engineers
District: CESPK

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| Surveyed By: | | Chart Date: | Jul 12, 2022 |
| Plotted By: | PDT | Designed by: | |
| Checked By: | PDT | Drawn by: | PDT |

PREPARED UNDER THE DIRECTION OF
KEVIN P. ARNETT
LT COLONEL, CE, DISTRICT ENGINEER

Submitted:
Hydro Survey Team Leader

Recommended:
Chief, Hydro Survey Section

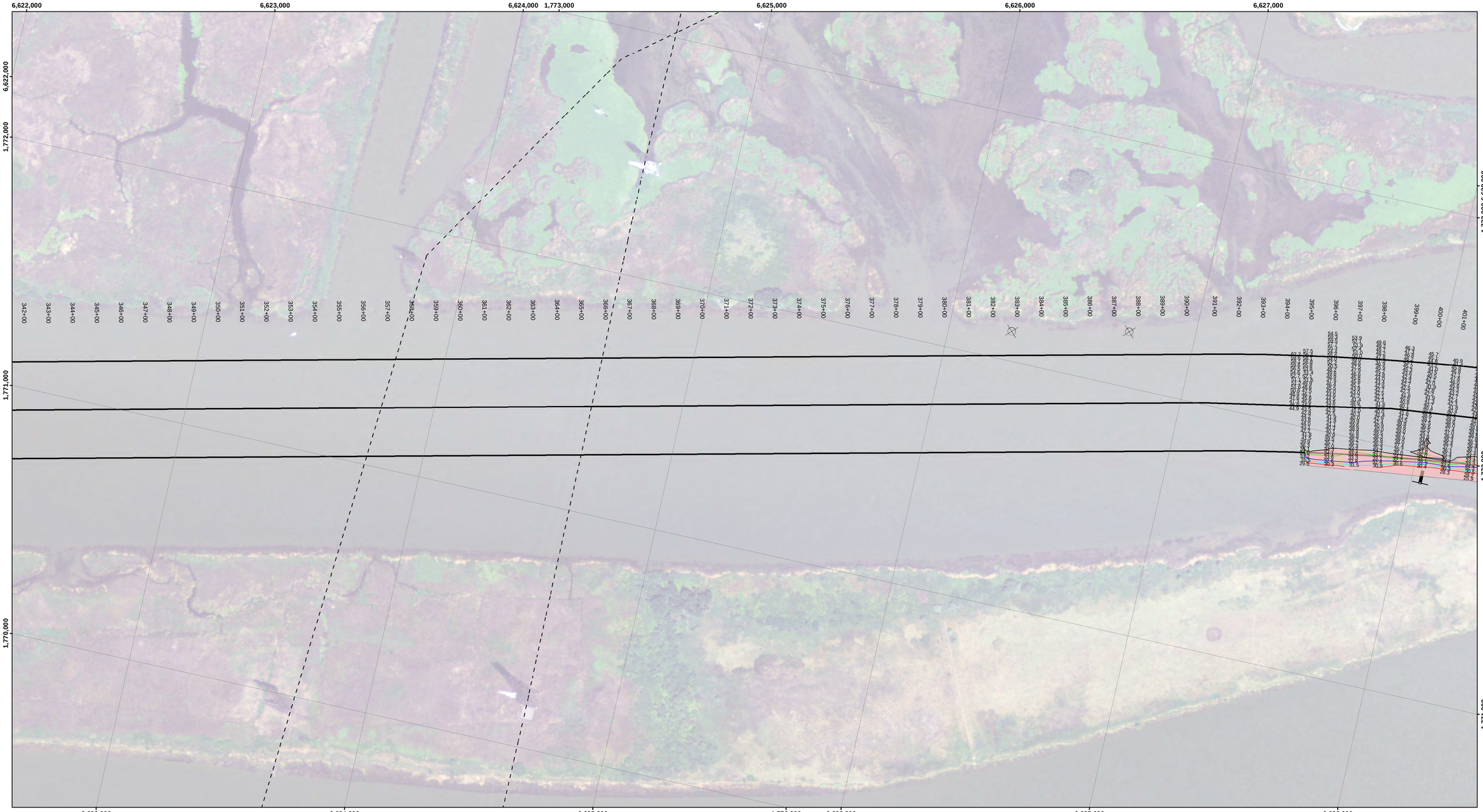
Approved:
Chief, Construction Branch

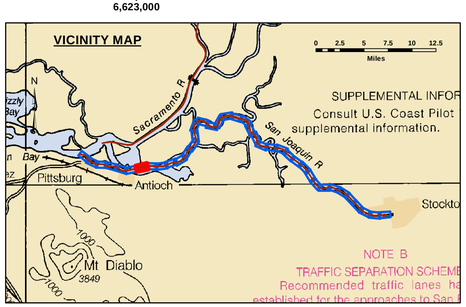
CALIFORNIA

SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**6 of 39**




Feet

0 400 800 1,200

## LEGEND

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

**Contours**

- -35
- -34
- -33
- -32
- -31

NOTES:
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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: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N W E S

US Army Corps of Engineers
District: CESPK

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| | Plotted By: PDT | | Checked By: PDT |

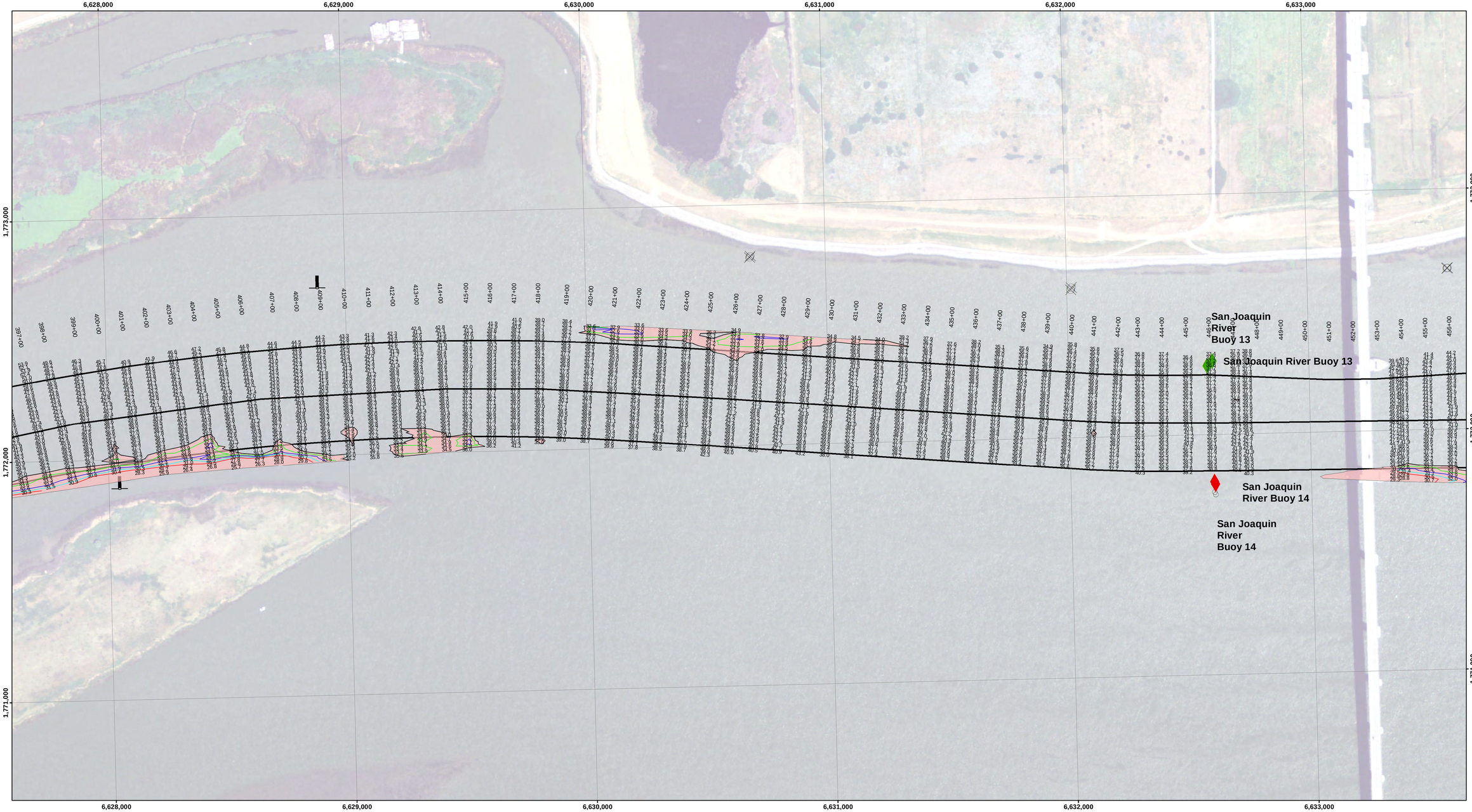
PREPARED UNDER THE DIRECTION OF
KEVIN P ARNETT
LT. COLONEL, C.E., DISTRICT ENGINEER

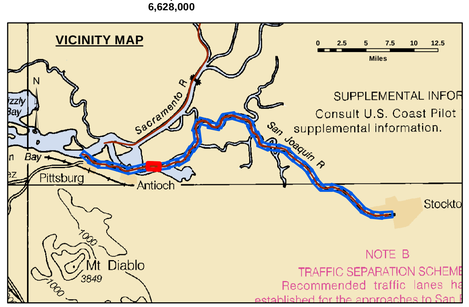
| | |
|---|---|
| Submitted: Hydro Survey Team Leader | |
| Recommended: Chief, Hydro Survey Section | |
| Approved: Chief, Construction Branch | |

CALIFORNIA
SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**7 of 39**




Feet
0 400 800 1,200

**LEGEND**

| | | | |
|---|---|---|---|
| Federal Navigation Channel | Cable Area | Shoaling Area | Contours |
| Federal Navigation Center Line | Placement Area | Shoalest Sounding** | -35 |
| Cable Submarine | Anchorage Area | Beacon, General | -34 |
| Cable Overhead | Obstruction Point | Red Navigation Buoy | -33 |
| Contour Line | Wrecks-Submerged | Green Navigation Buoy | -32 |
| | | | -31 |

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.

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PROJECT DEPTH: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N W E S

US Army Corps of Engineers
District: CESPK

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| Checked By: | PDT | Drawn by: | PDT |

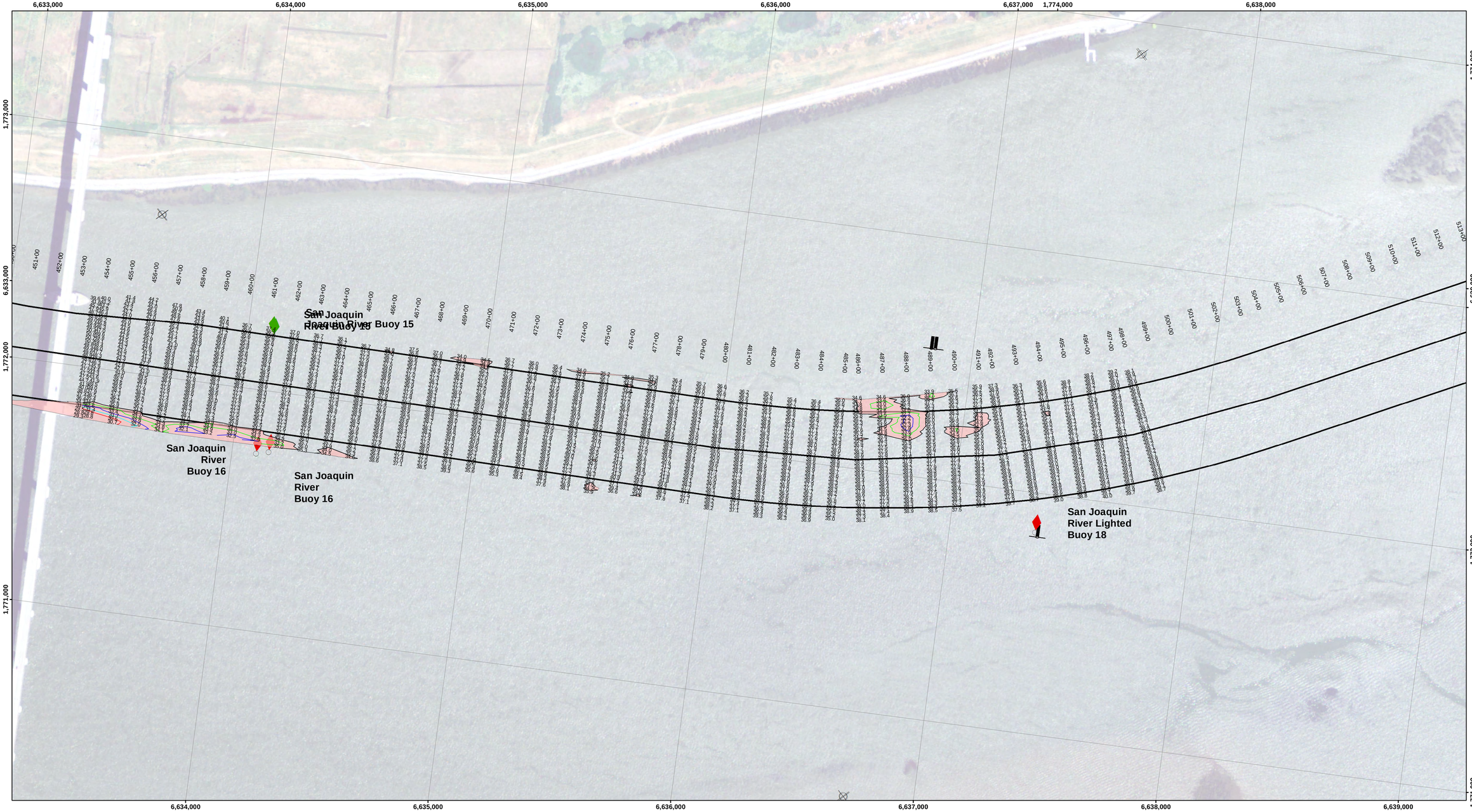
PREPARED UNDER THE DIRECTION OF
KEVIN P. ARNETT
LT. COLONEL, C.E., DISTRICT ENGINEER

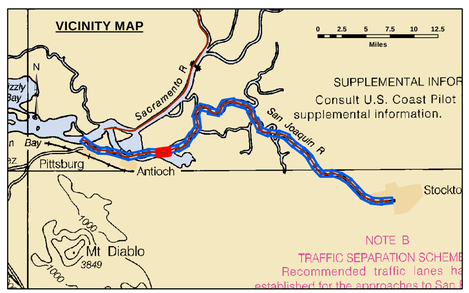
| | |
|---|---|
| Submitted: | Hydro Survey Team Leader |
| Recommended: | Chief, Hydro Survey Section |
| Approved: | Chief, Construction Branch |

CALIFORNIA
SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**8 of 39**




Feet

0 400 800 1,200

## LEGEND

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

**Contours**

- -35
- -34
- -33
- -32
- -31

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.

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: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N W E S

US Army Corps of Engineers
District: CESPK

DISCLAIMER
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| Plotted By: | PDT | Designed by: | |
| Checked By: | PDT | Drawn by: | PDT |

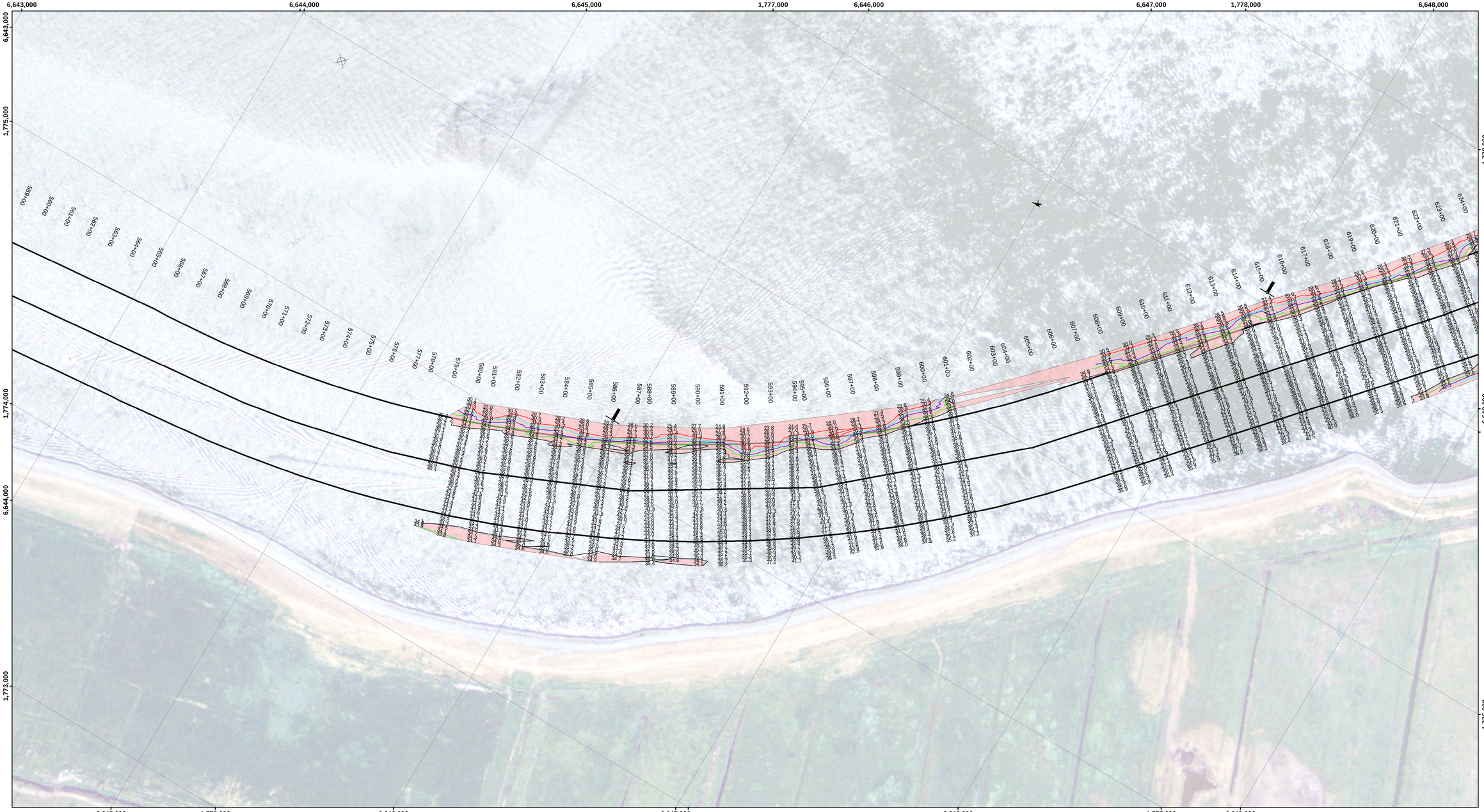
PREPARED UNDER THE DIRECTION OF
KEVIN P. ARNETT
LT. COLONEL, C.E., DISTRICT ENGINEER

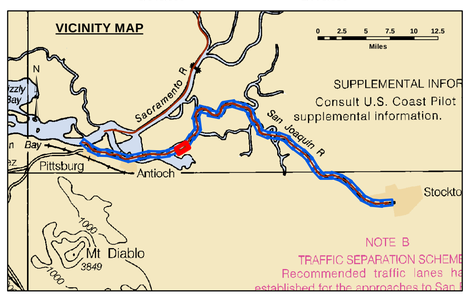
| | |
|---|---|
| Submitted: | Hydro Survey Team Leader |
| Recommended: | Chief, Hydro Survey Section |
| Approved: | Chief, Construction Branch |

CALIFORNIA
SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**9 of 39**




Feet
0 400 800 1,200

## LEGEND

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

**Contours**
- -35
- -34
- -33
- -32
- -31

NOTES:
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PROJECT DEPTH: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N W E S

US Army Corps of Engineers
District: CESPK

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| Checked By: PDT | Drawn by: PDT | |

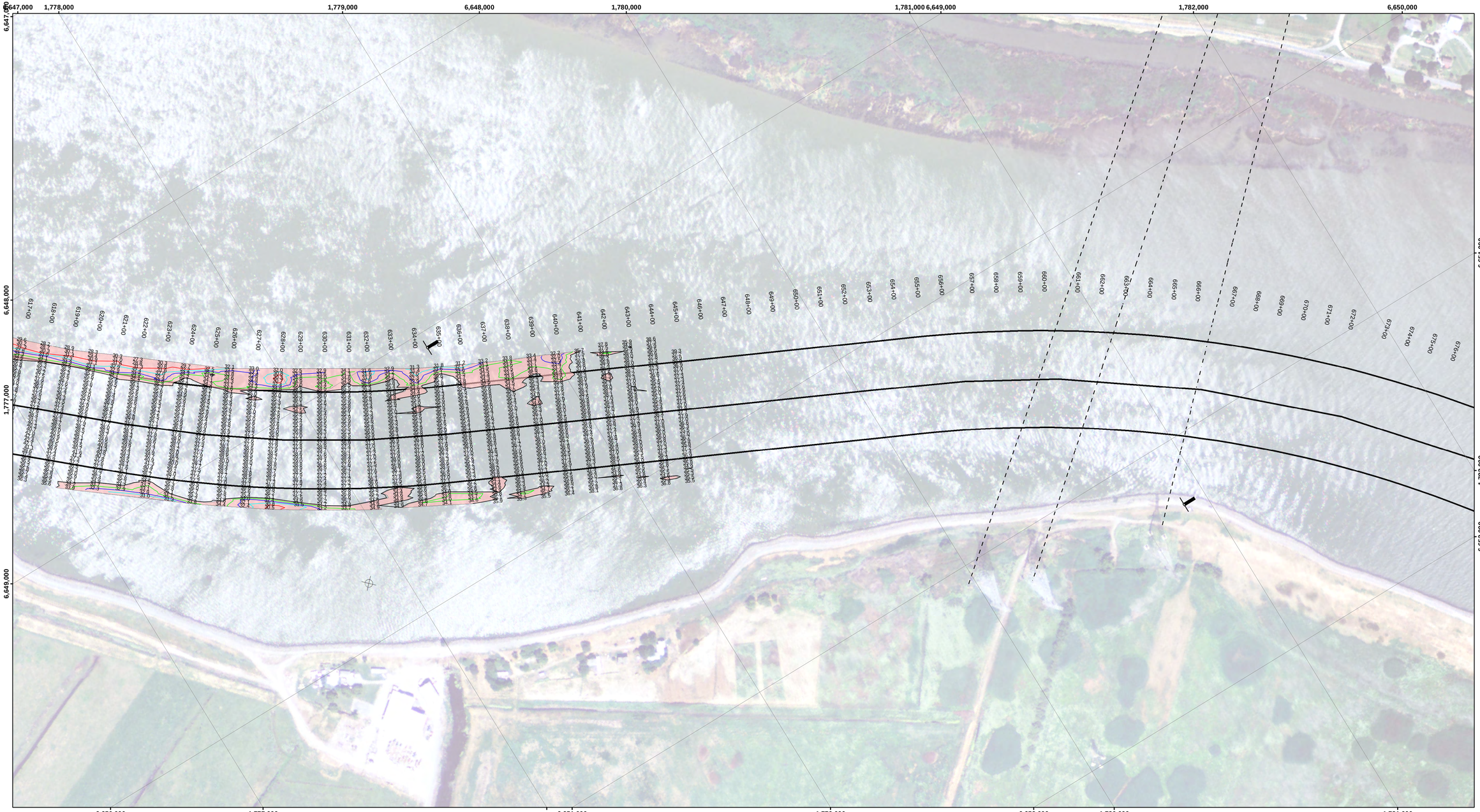
PREPARED UNDER THE DIRECTION OF
KEVIN P ARNETT
LT COLONEL, C.E., DISTRICT ENGINEER

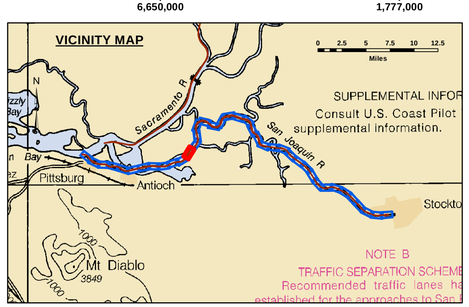
| | |
|---|---|
| Submitted: Hydro Survey Team Leader | |
| Recommended: Chief, Hydro Survey Section | |
| Approved: Chief, Construction Branch | |

CALIFORNIA
SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**11 of 39**




Feet
0 400 800 1,200

## LEGEND

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

**Contours**
- -35
- -34
- -33
- -32
- -31

NOTES:
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PROJECT DEPTH: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW




US Army Corps of Engineers
District: CESPK

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PREPARED UNDER THE DIRECTION OF
KEVIN P. ARNETT
LT. COLONEL, C.E., DISTRICT ENGINEER

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|---|---|---|---|
| Surveyed By: | | Chart Date: | Jul 12, 2022 |
| Plotted By: | PDT | Designed by: | |
| Checked By: | PDT | Drawn by: | PDT |

Submitted
Hydro Survey Team Leader

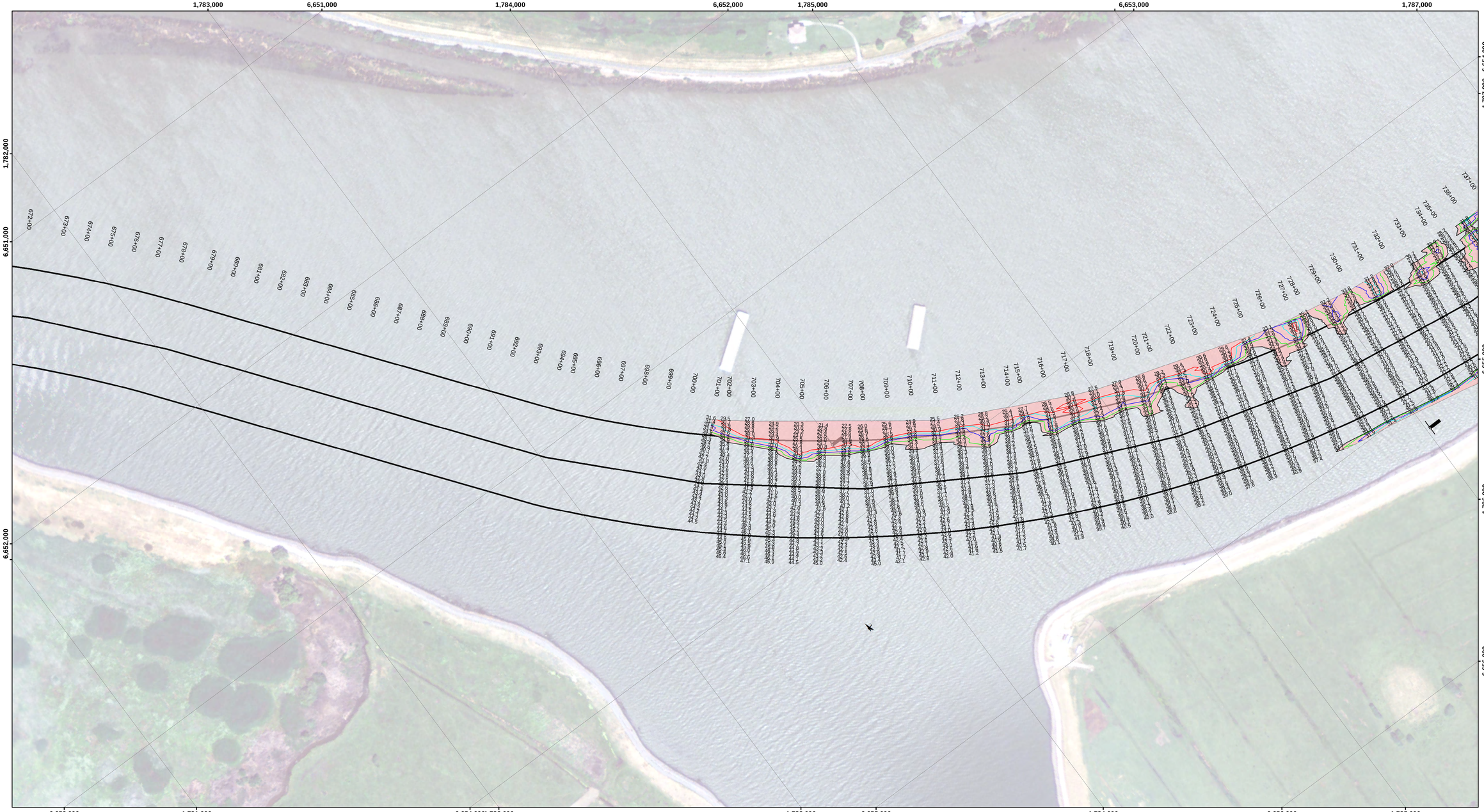
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Chief, Hydro Survey Section

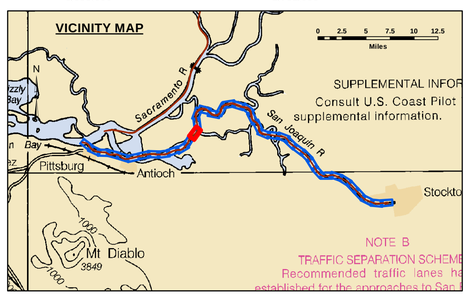
Approved
Chief, Construction Branch

CALIFORNIA
SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**12 of 39**




## LEGEND

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

**Contours**

- -35
- -34
- -33
- -32
- -31

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.

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: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW




**US Army Corps of Engineers**
**District: CESPK**

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| Plotted By: | PDT | Designed by: | |
| Checked By: | PDT | Drawn by: | PDT |

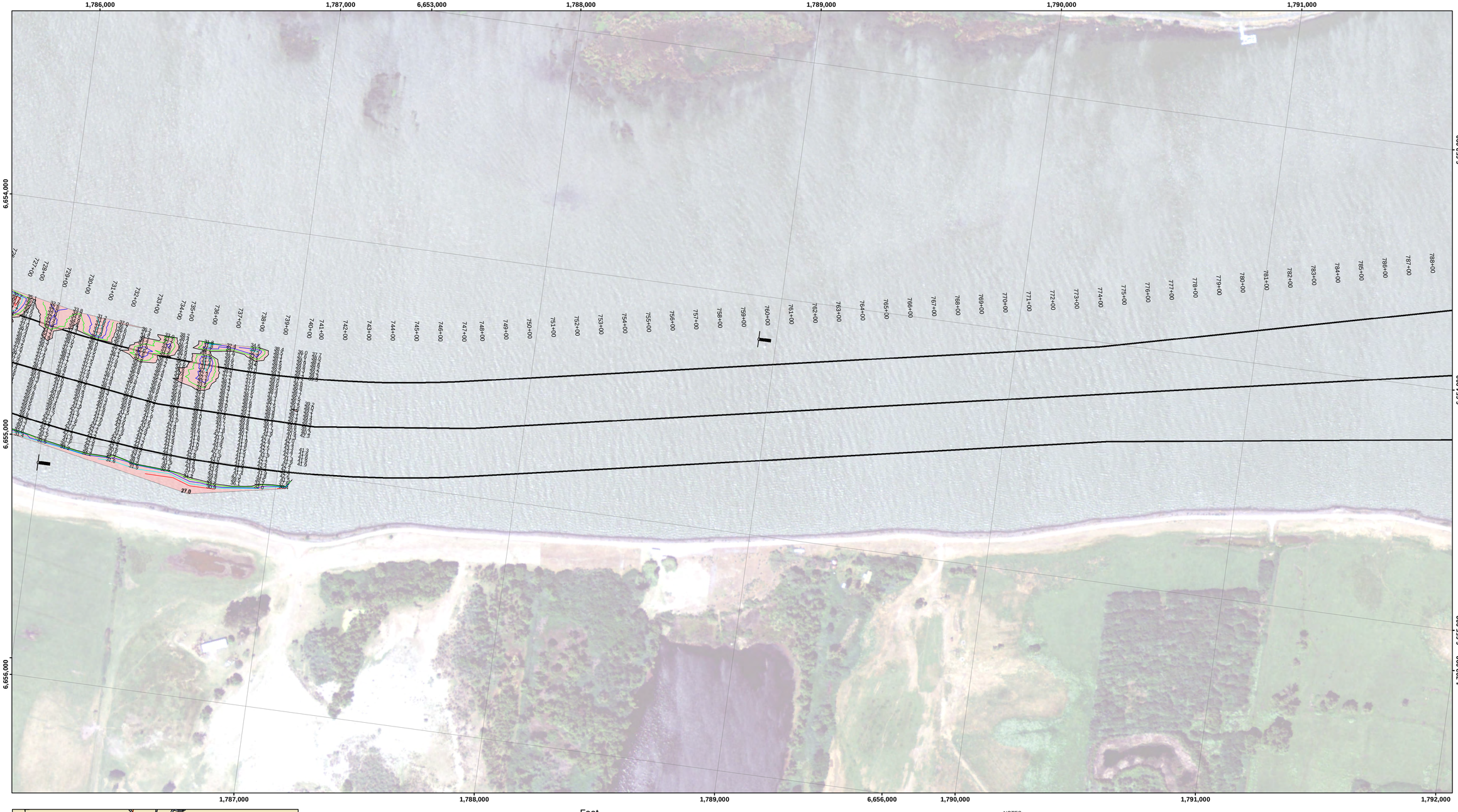
PREPARED UNDER THE DIRECTION OF
KEVIN P ARNETT
LT. COLONEL, C.E., DISTRICT ENGINEER

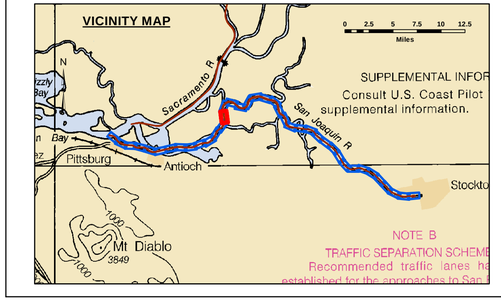
| | |
|---|---|
| Submitted | Hydro Survey Team Leader |
| Recommended | Chief, Hydro Survey Section |
| Approved | Chief, Construction Branch |

CALIFORNIA
SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**13 of 39**




## LEGEND

| | | | |
|---|---|---|---|
| Federal Navigation Channel | Cable Area | Shoaling Area | **Contours** |
| Federal Navigation Center Line | Placement Area | Shoalest Sounding** | -35 |
| Cable Submarine | Anchorage Area | Beacon, General | -34 |
| Cable Overhead | Obstruction Point | Red Navigation Buoy | -33 |
| Contour Line | Wrecks-Submerged | Green Navigation Buoy | -32 |
| | | | -31 |

NOTES:
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PROJECT DEPTH: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT. 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT. 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

W S N E

**US Army Corps of Engineers**
**District: CESPK**

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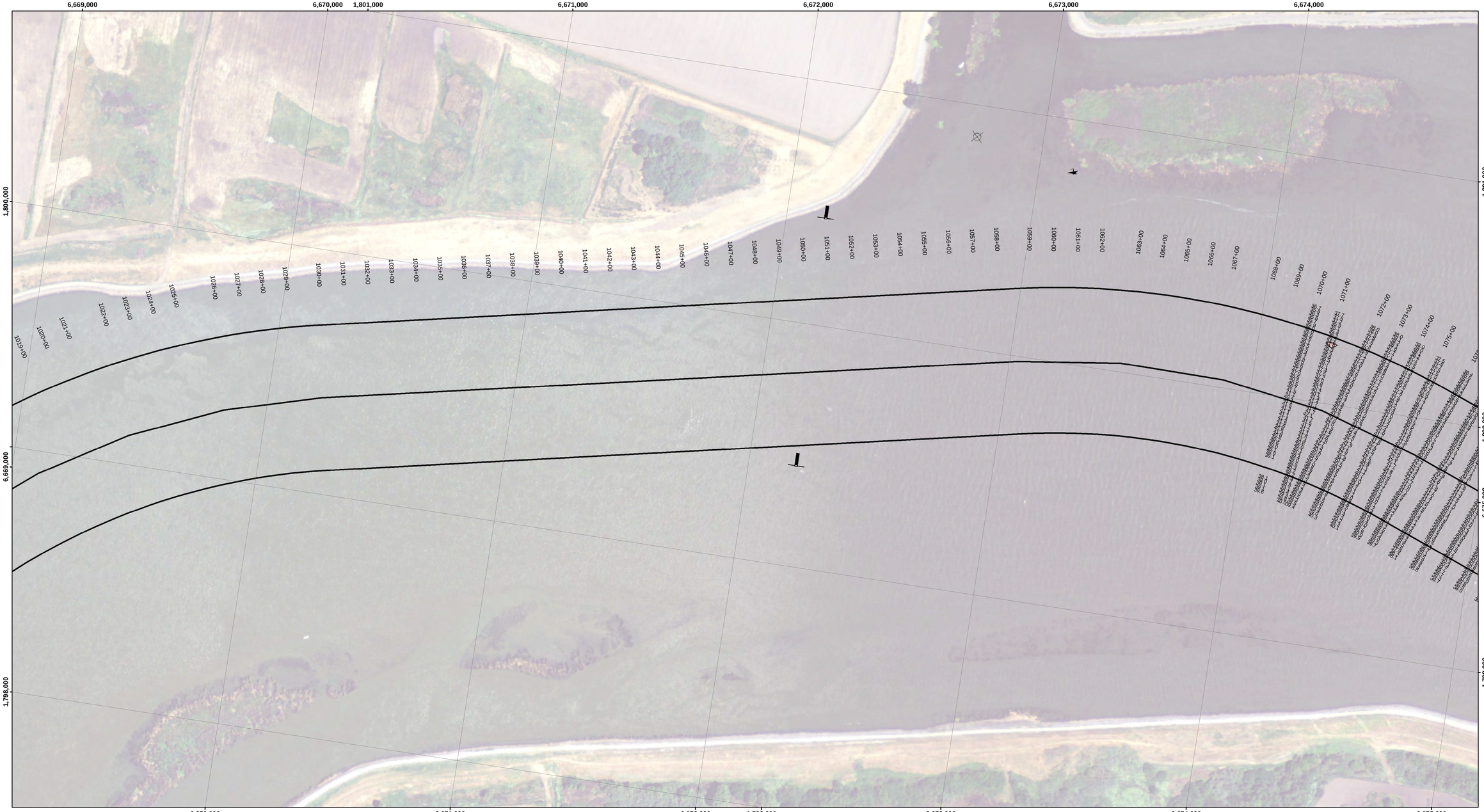
PREPARED UNDER THE DIRECTION OF
KEVIN P. ARNETT
LT COLONEL, CE, DISTRICT ENGINEER

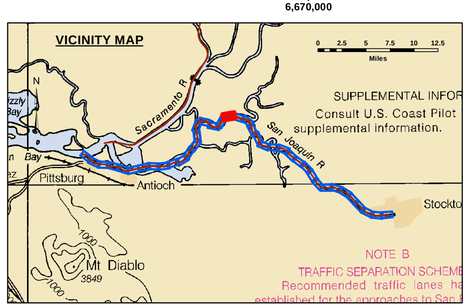
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| Surveyed By: | | Chart Date: | Jul 12, 2022 |
| Plotted By: | PDT | Designed by: | |
| Submitted: Hydro Survey Team Leader | | Drawn by: | PDT |
| Recommended: Chief, Hydro Survey Section | | Checked By: | PDT |
| Approved: Chief, Construction Branch | | | |

CALIFORNIA
SAN JOAQUIN COUNTY

**STOCKTON RIVER**
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**14 of 39**




Feet
0 400 800 1,200

## LEGEND

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

**Contours**
- -35
- -34
- -33
- -32
- -31

NOTES:
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PROJECT DEPTH: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N W E S

**US Army Corps of Engineers**
**District: CESPK**

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| Plotted By: PDT | Designed by: | |
| Checked By: PDT | Drawn by: | PDT |

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KEVIN P ARNETT
LT. COLONEL, C.E., DISTRICT ENGINEER

Submitted
Hydro Survey Team Leader

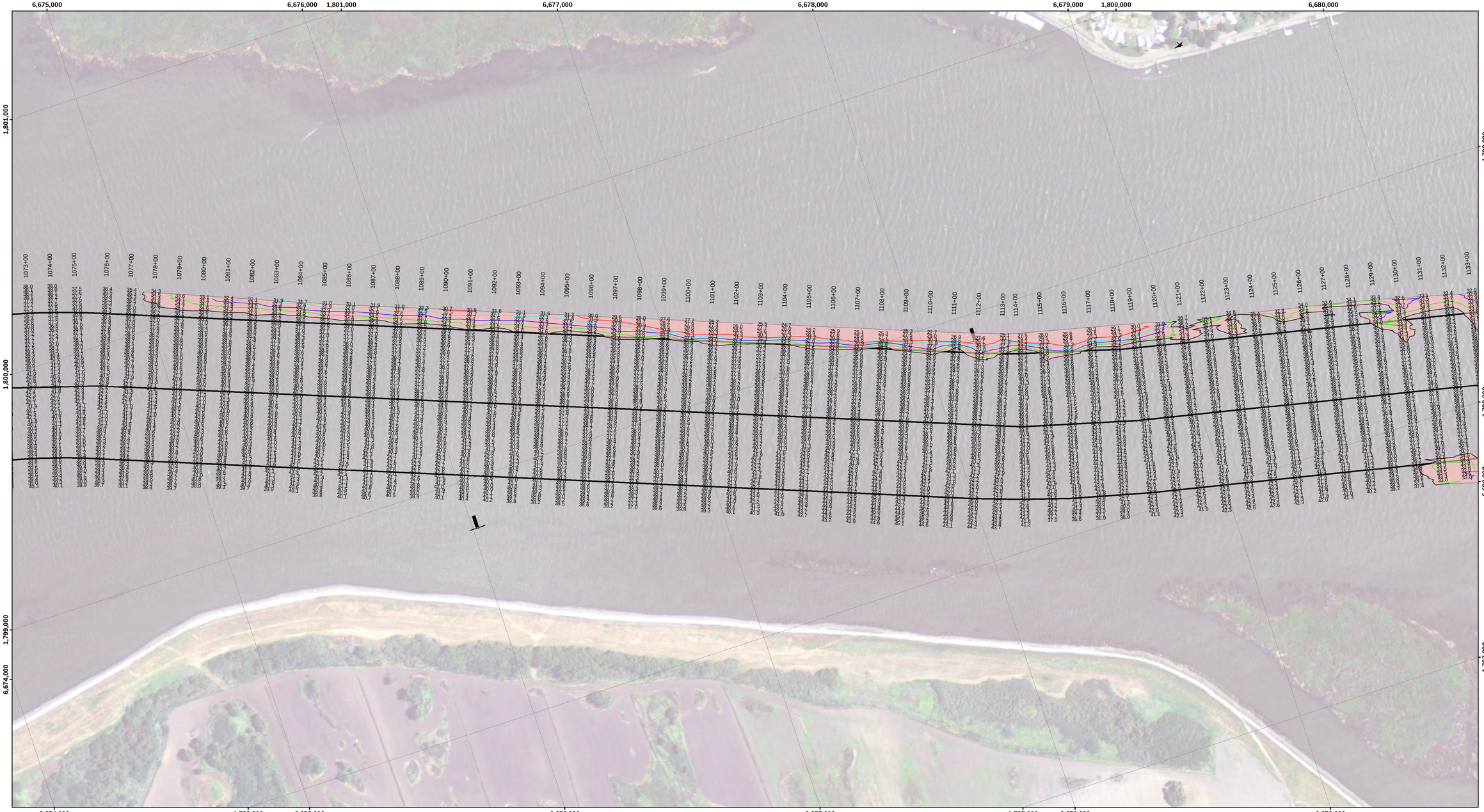
Recommended
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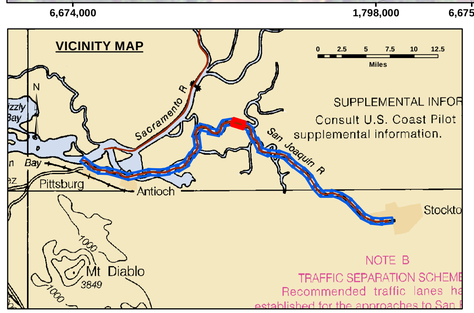
Approved
Chief, Construction Branch

CALIFORNIA
SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**19 of 39**




Feet

0 400 800 1,200

## LEGEND

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

**Contours**

- -35
- -34
- -33
- -32
- -31

NOTES:
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PROJECT DEPTH: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N E S W

**US Army Corps of Engineers**
**District: CESPK**

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| Plotted By: | PDT | Designed by: | |
| Checked By: | PDT | Drawn by: | PDT |

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KEVIN P. ARNETT
LT COLONEL, C.E., DISTRICT ENGINEER

Submitted:
Hydro Survey Team Leader

Recommended:
Chief, Hydro Survey Section

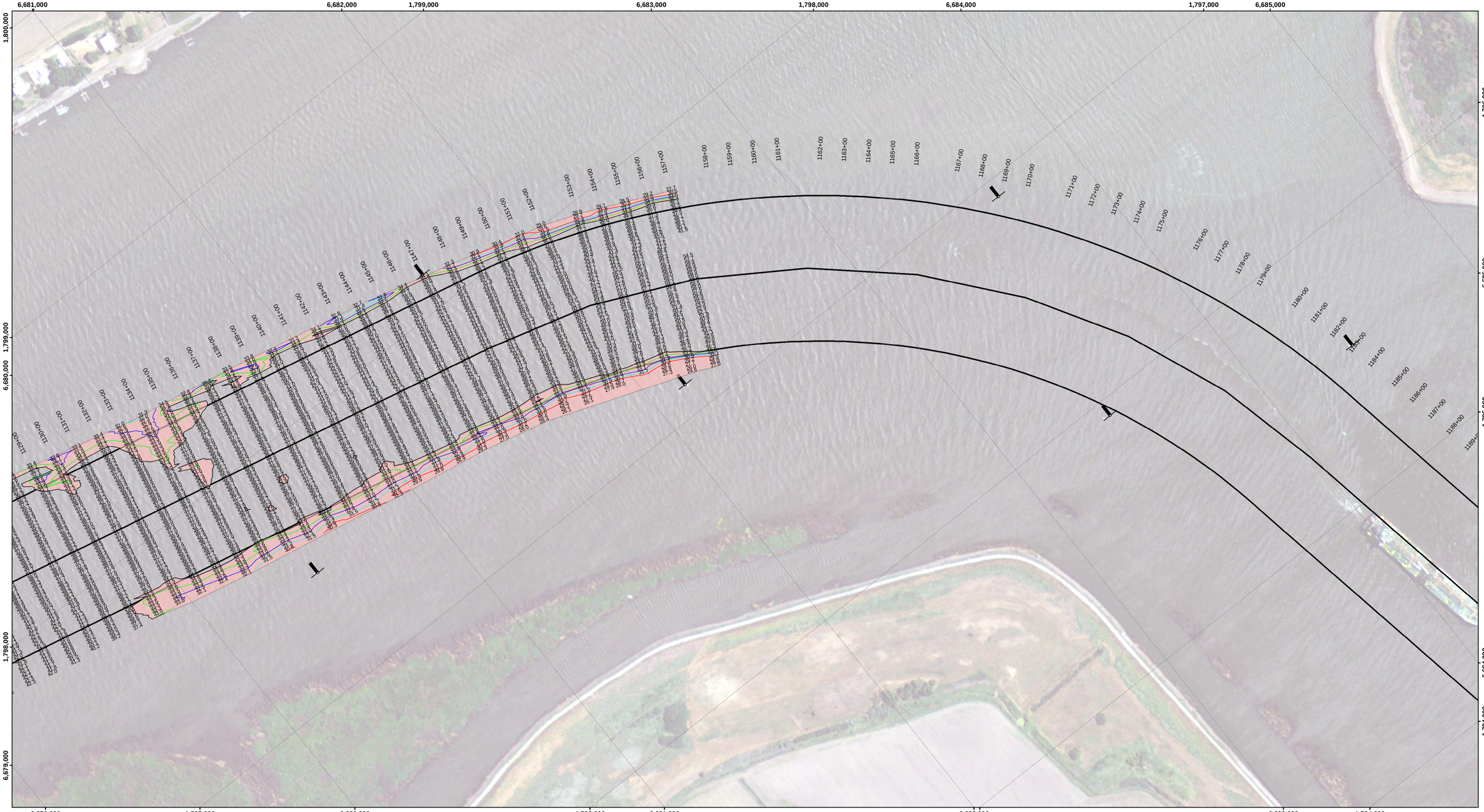
Approved
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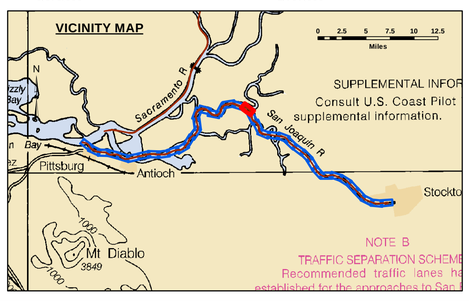
CALIFORNIA

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

SAN JOAQUIN COUNTY

**Sheet Reference Number**
**20 of 39**




Feet

0 400 800 1,200

## LEGEND

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

**Contours**

- -35
- -34
- -33
- -32
- -31

NOTES:
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PROJECT DEPTH: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
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LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

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DAY MARKER 19 = 8.2 FT MLLW
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DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N E S W

**US Army Corps of Engineers**
**District: CESPK**

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| | Designed by: | Plotted By: PDT | Checked By: PDT |
| | Drawn by: PDT | | |

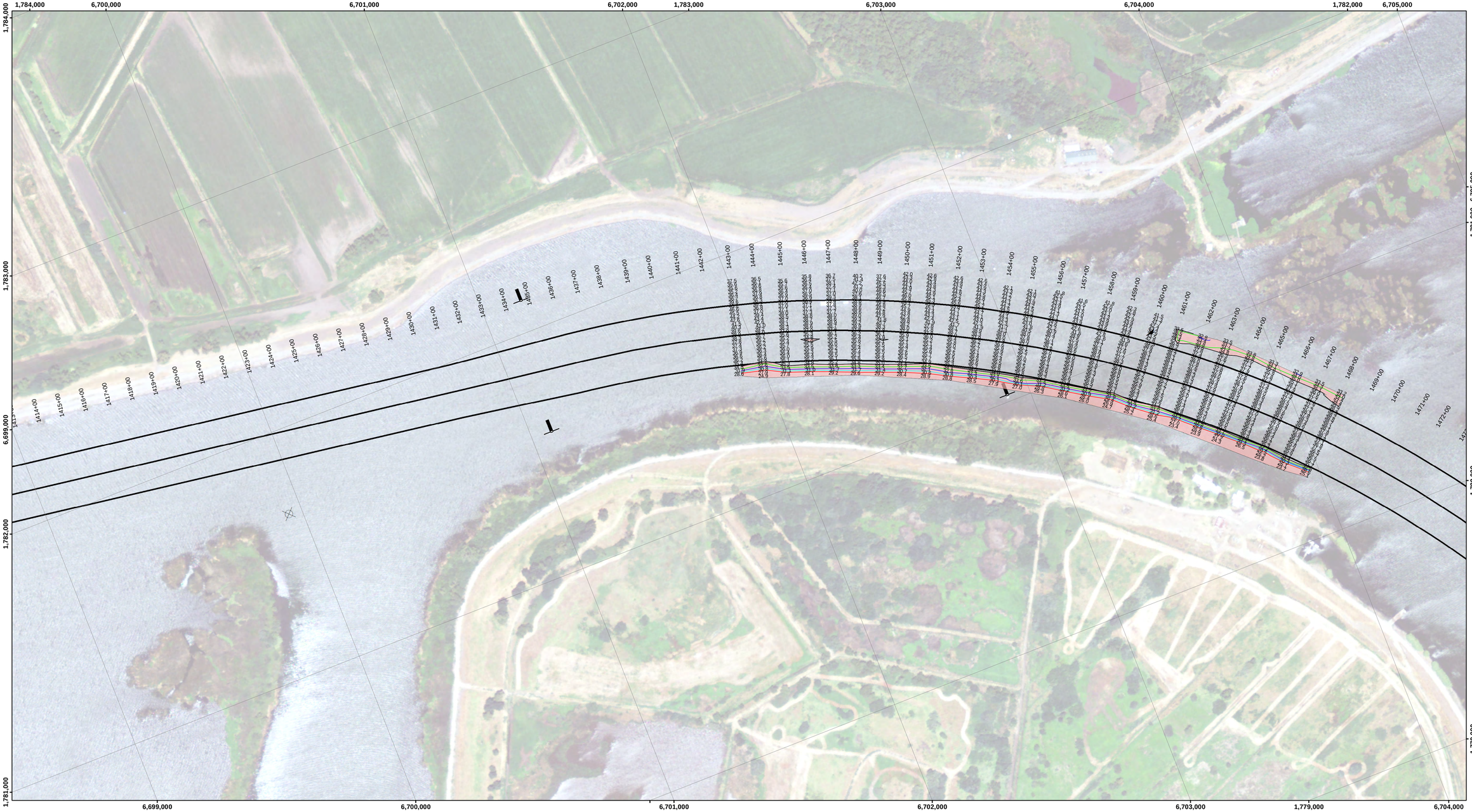
PREPARED UNDER THE DIRECTION OF
KEVIN P ARNETT
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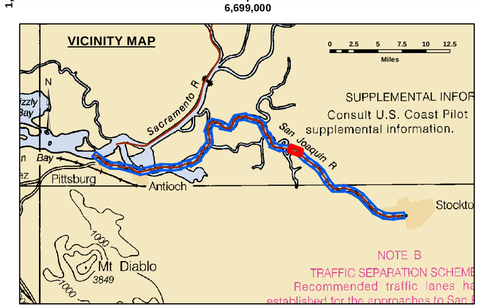
Submitted: Hydro Survey Team Leader
Recommended: Chief, Hydro Survey Section
Approved: Chief, Construction Branch

CALIFORNIA
SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**21 of 39**




Feet
0 400 800 1,200

## LEGEND

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

**Contours**
- -35
- -34
- -33
- -32
- -31

NOTES:
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PROJECT DEPTH: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
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DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW




**US Army Corps of Engineers**
**District: CESPK**

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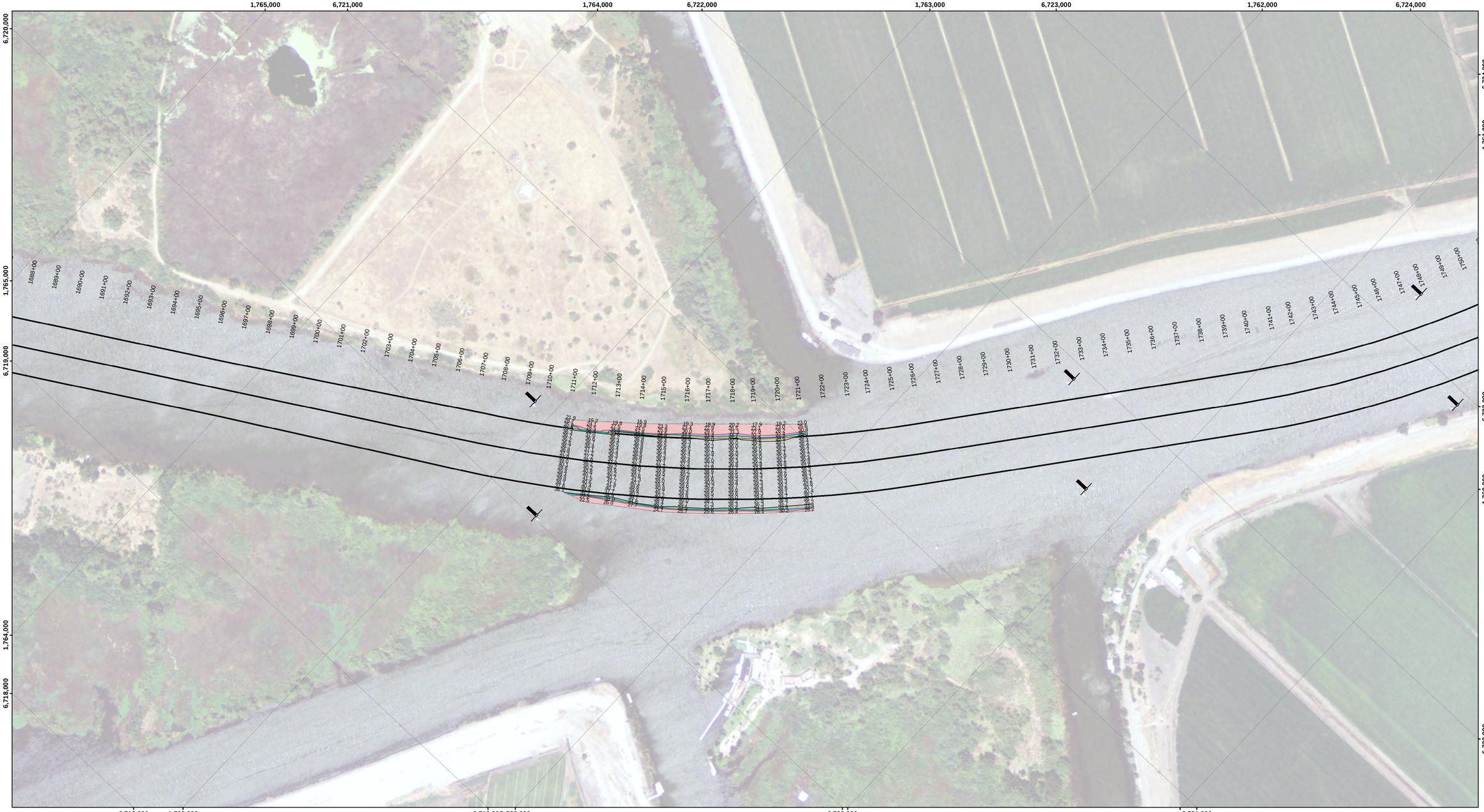
PREPARED UNDER THE DIRECTION OF
KEVIN P. ARNETT
LT. COLONEL, C.E., DISTRICT ENGINEER

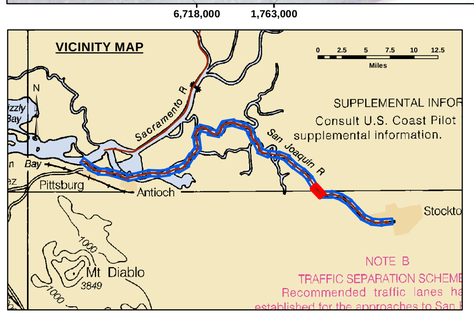
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|---|---|---|---|
| Submitted: Hydro Survey Team Leader | | Surveyed By: | Chart Date: Jul 12, 2022 |
| Recommended: Chief, Hydro Survey Section | | Plotted By: PDT | Designed by: |
| Approved: Chief, Construction Branch | | Checked By: PDT | Drawn by: PDT |

CALIFORNIA
SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**26 of 39**




Feet
0 400 800 1,200

## LEGEND

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

**Contours**
- -35
- -34
- -33
- -32
- -31

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.

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: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N E S W

US Army Corps of Engineers
District: CESPK

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| | | |
|---|---|---|
| Surveyed By: | Chart Date: Jul 12, 2022 | |
| Plotted By: PDT | Designed by: | |
| Checked By: PDT | Drawn by: | PDT |

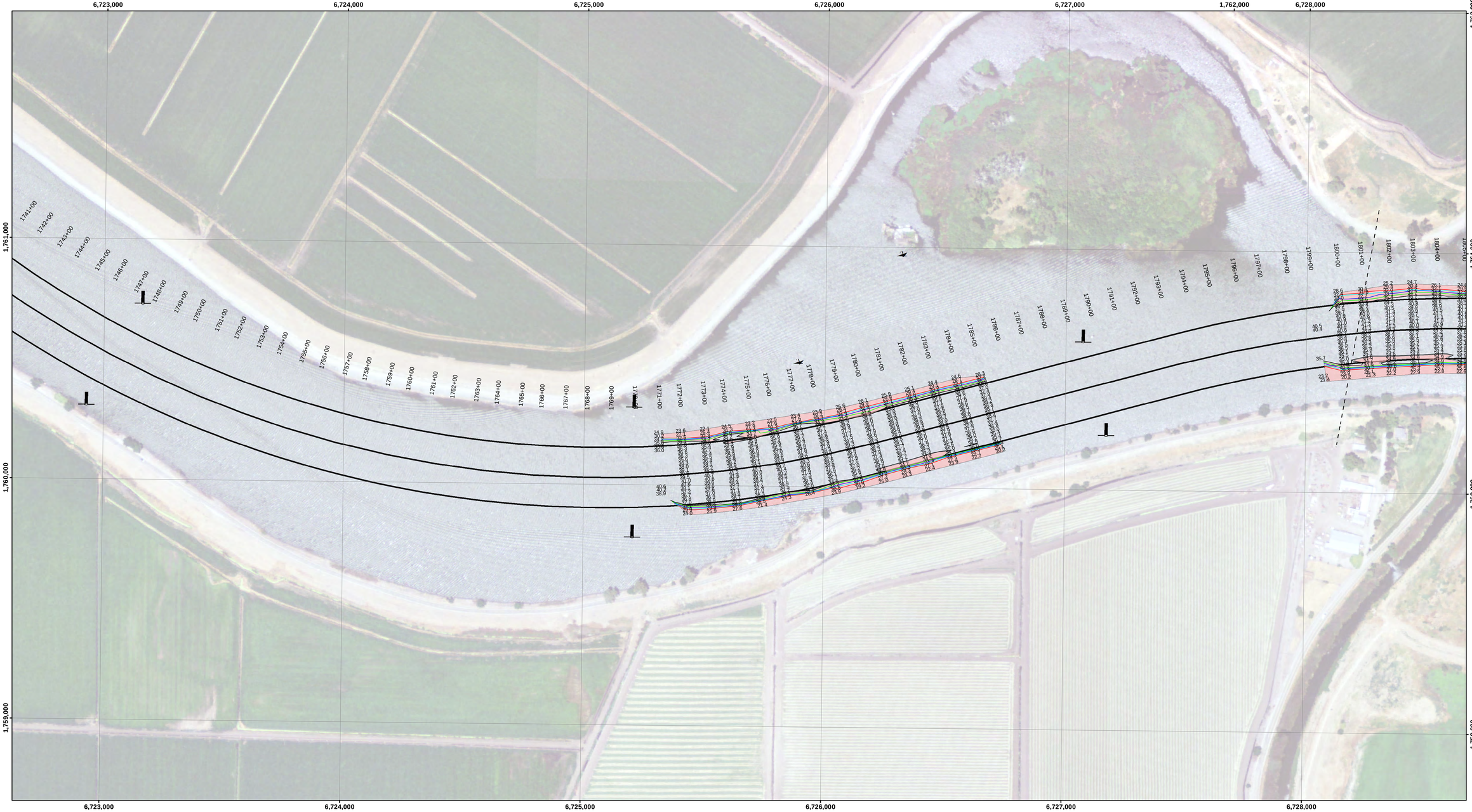
PREPARED UNDER THE DIRECTION OF
KEVIN P. ARNETT
LT. COLONEL, C.E., DISTRICT ENGINEER

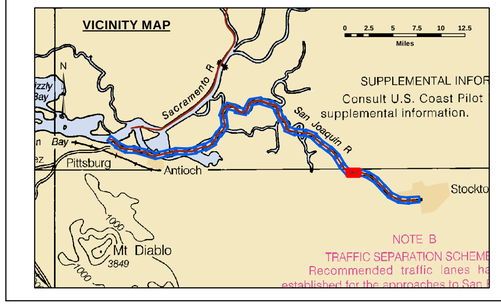
Submitted: Hydro Survey Team Leader
Recommended: Chief, Hydro Survey Section
Approved: Chief, Construction Branch

CALIFORNIA
SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**31 of 39**




Feet

0 400 800 1,200

## LEGEND

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

**Contours**

- -35
- -34
- -33
- -32
- -31

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PROJECT DEPTH: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N W E S

US Army Corps of Engineers
District: CESPK

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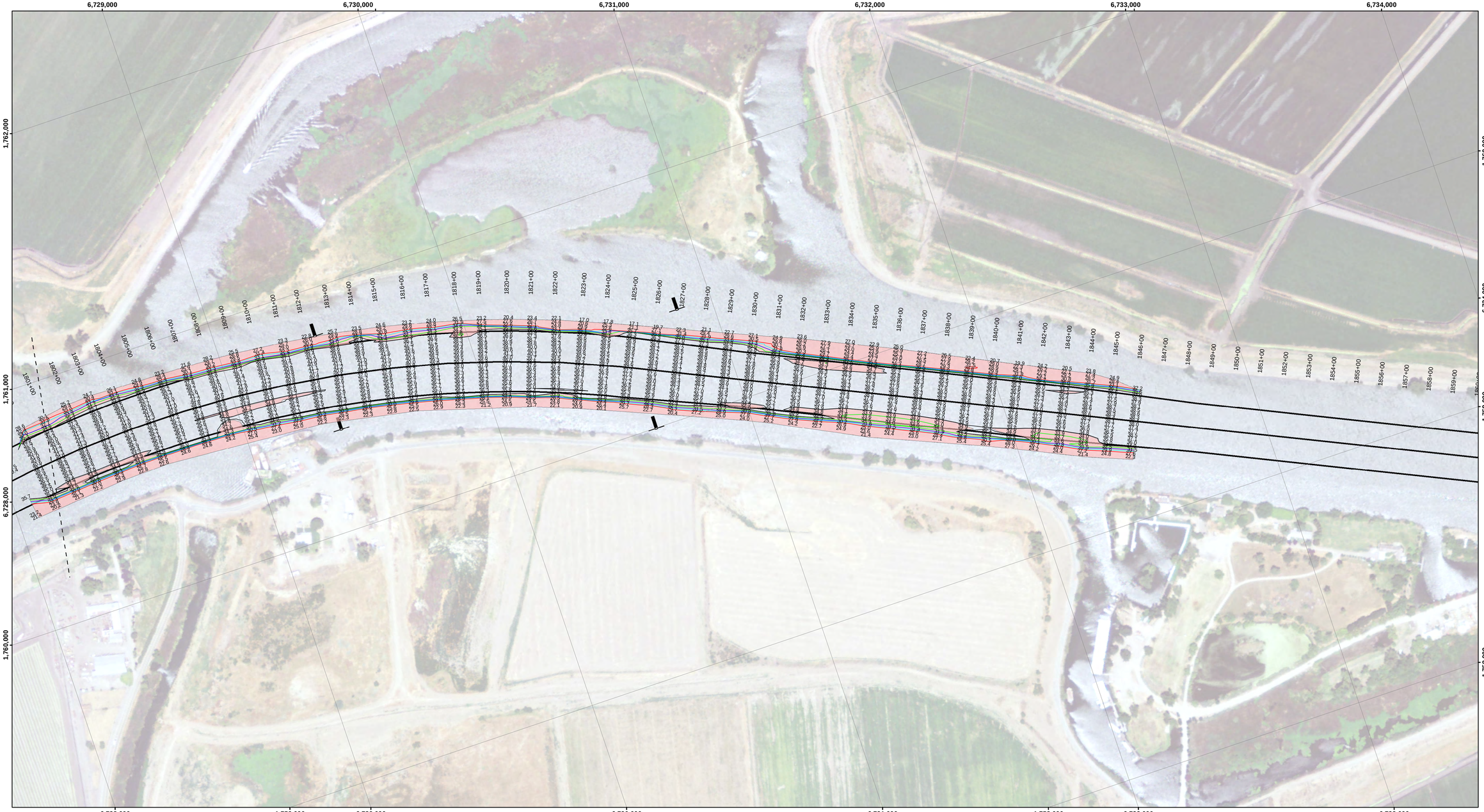
PREPARED UNDER THE DIRECTION OF
KEVIN P. ARNETT
LT COLONEL, C.E. DISTRICT ENGINEER

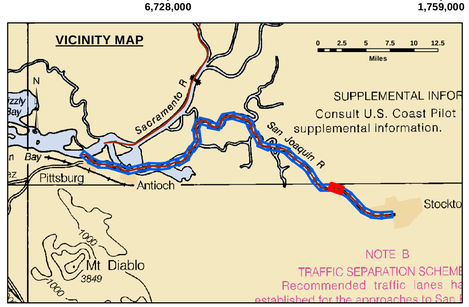
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|---|---|---|---|
| Submitted: Hydro Survey Team Leader | | Surveyed By: | Chart Date: Jul 12, 2022 |
| Recommended: Chief, Hydro Survey Section | Plotted By: PDT | Designed by: | |
| Approved: Chief, Construction Branch | Checked By: PDT | Drawn by: PDT | |

CALIFORNIA
SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**32 of 39**




Feet
0 400 800 1,200

## LEGEND

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

**Contours**
- -35
- -34
- -33
- -32
- -31

NOTES:
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PROJECT DEPTH: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55.44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N E S W

US Army Corps of Engineers
District: CESPK

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|---|---|
| Surveyed By: | Chart Date: Jul 12, 2022 |
| Plotted By: PDT | Designed by: |
| Checked By: PDT | Drawn by: PDT |

PREPARED UNDER THE DIRECTION OF
KEVIN P. ARNETT
LT. COLONEL, C.E., DISTRICT ENGINEER

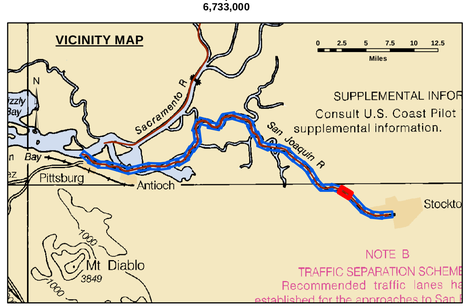
| | |
|---|---|
| Submitted: | Hydro Survey Team Leader |
| Recommended: | Chief, Hydro Survey Section |
| Approved: | Chief, Construction Branch |

CALIFORNIA
SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**33 of 39**




Feet

0 400 800 1,200

## LEGEND

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

**Contours**

- -35
- -34
- -33
- -32
- -31

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PROJECT DEPTH: -35'

VERTICAL DATUM: MLLW

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CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
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TIDE GAUGE:
Nail @ 10.15 FT MLLW
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OTHER SAN JOAQUIN RIVER GAUGES:
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DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N E S W

**US Army Corps of Engineers**
**District: CESPK**

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Surveyed By:

Plotted By: PDT

Designed by:

Drawn by: PDT

Checked By: PDT

PREPARED UNDER THE DIRECTION OF
KEVIN P ARNETT
LT. COLONEL, C.E., DISTRICT ENGINEER

Submitted: Hydro Survey Team Leader

Recommended: Chief, Hydro Survey Section

Approved: Chief, Construction Branch

Chart Date: Jul 12, 2022

CALIFORNIA

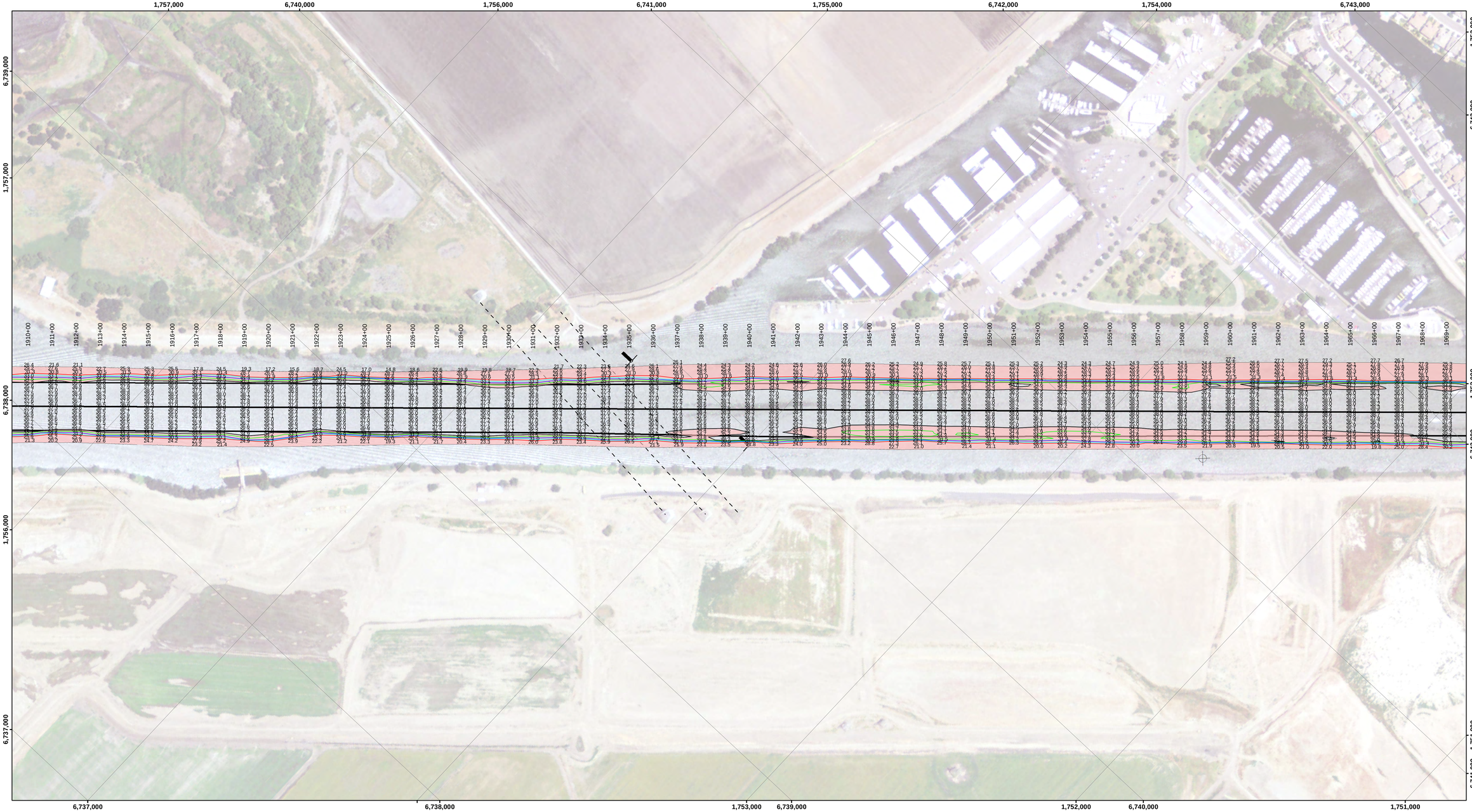
SAN JOAQUIN COUNTY

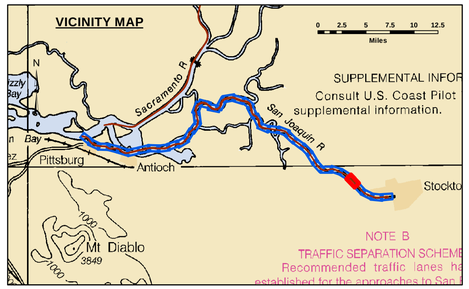
# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**34 of 39**

CORPS OF ENGINEERS

U.S. ARMY




Feet

0 400 800 1,200

## LEGEND

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

**Contours**

- -35
- -34
- -33
- -32
- -31

NOTES:
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PROJECT DEPTH: -35'

VERTICAL DATUM: MLLW

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CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
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PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N E S W

**US Army Corps of Engineers**
**District: CESPK**

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Chart Date: Jul 12, 2022

Surveyed By:

Designed by: PDT

Plotted By: PDT

Drawn by: PDT

PREPARED UNDER THE DIRECTION OF
KEVIN P. ARNETT
LT COLONEL, C.E., DISTRICT ENGINEER

Submitted: Hydro Survey Team Leader

Checked By: PDT

Recommended: Chief, Hydro Survey Section

Approved: Chief, Construction Branch

CALIFORNIA

SAN JOAQUIN COUNTY

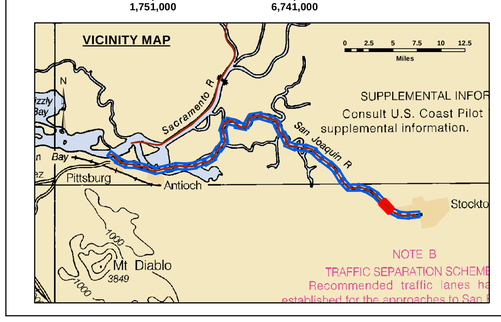
# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**35 of 39**

CORPS OF ENGINEERS

U.S. ARMY




Feet

0 400 800 1,200

## LEGEND

- Federal Navigation Channel
- Federal Navigation Center Line
- Cable Submarine
- Cable Overhead
- Contour Line
- Cable Area
- Placement Area
- Anchorage Area
- Obstruction Point
- Wrecks-Submerged
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**Contours**

- -35
- -34
- -33
- -32
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PROJECT DEPTH: -35'

VERTICAL DATUM: MLLW

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CONTROLS:
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NOAA STATION: 941 5064
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TIDE GAUGE:
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LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
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LAT: 37 55 44.62 N
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DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N E S W

**US Army Corps of Engineers**
**District: CESPK**

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|---|---|---|---|
| Chart Date: Jul 12, 2022 | Surveyed By: | | |
| Designed by: | Plotted By: PDT | Checked By: PDT | |
| Drawn by: PDT | | | |

PREPARED UNDER THE DIRECTION OF:
KEVIN P. ARNETT
LT COLONEL C.E. DISTRICT ENGINEER

Submitted:
Hydro Survey Team Leader

Recommended:
Chief, Hydro Survey Section

Approved:
Chief, Construction Branch

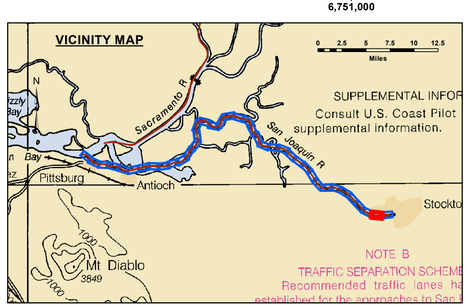
CALIFORNIA

SAN JOAQUIN COUNTY

# STOCKTON RIVER
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**36 of 39**




Feet

0 400 800 1,200

## LEGEND

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

**Contours**

- -40
- -39
- -38
- -37
- -36

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.

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: -35'

VERTICAL DATUM: MLLW

THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
Nail @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 ( 37.951 N, 121.334 W ) = 10.0 FT MLLW

N W E S

**US Army Corps of Engineers**
**District: CESPK**

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| | | | |
|---|---|---|---|
| Surveyed By: | Chart Date: Jul 12, 2022 | | |
| Plotted By: PDT | Designed by: | | |
| Drawn by: PDT | Checked By: PDT | | |

PREPARED UNDER THE DIRECTION OF
KEVIN P. ARNETT
LT COLONEL, C.E., DISTRICT ENGINEER

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

CALIFORNIA
SAN JOAQUIN COUNTY

**STOCKTON RIVER**
PRE-DREGE SURVEY
27-29 JUNE AND 08 JULY 2022

**Sheet Reference Number**
**38 of 39**