

Feet
0 400 800 1,200

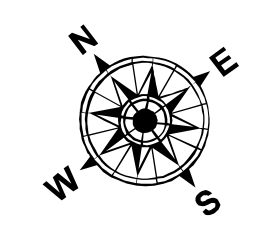
LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	▭ Shoaling Area	— -35
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	— -34
⋯ Cable Submarine	⊠ Anchorage Area	⊥ Beacon, General	— -33
- - - Cable Overhead	⊗ Obstruction Point	◆ Red Navigation Buoy	— -32
— Contour Line	✶ Wrecks-Submerged	◆ Green Navigation Buoy	— -31

NOTES:
DRAWING NOT TO BE USED FOR NAVIGATION. ONLY CHANNEL CONDITION AT DATE OF SURVEY.
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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

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0438)
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 TIG #2 (37.951 N, 121.334 W) = 10.0 FT MLLW

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



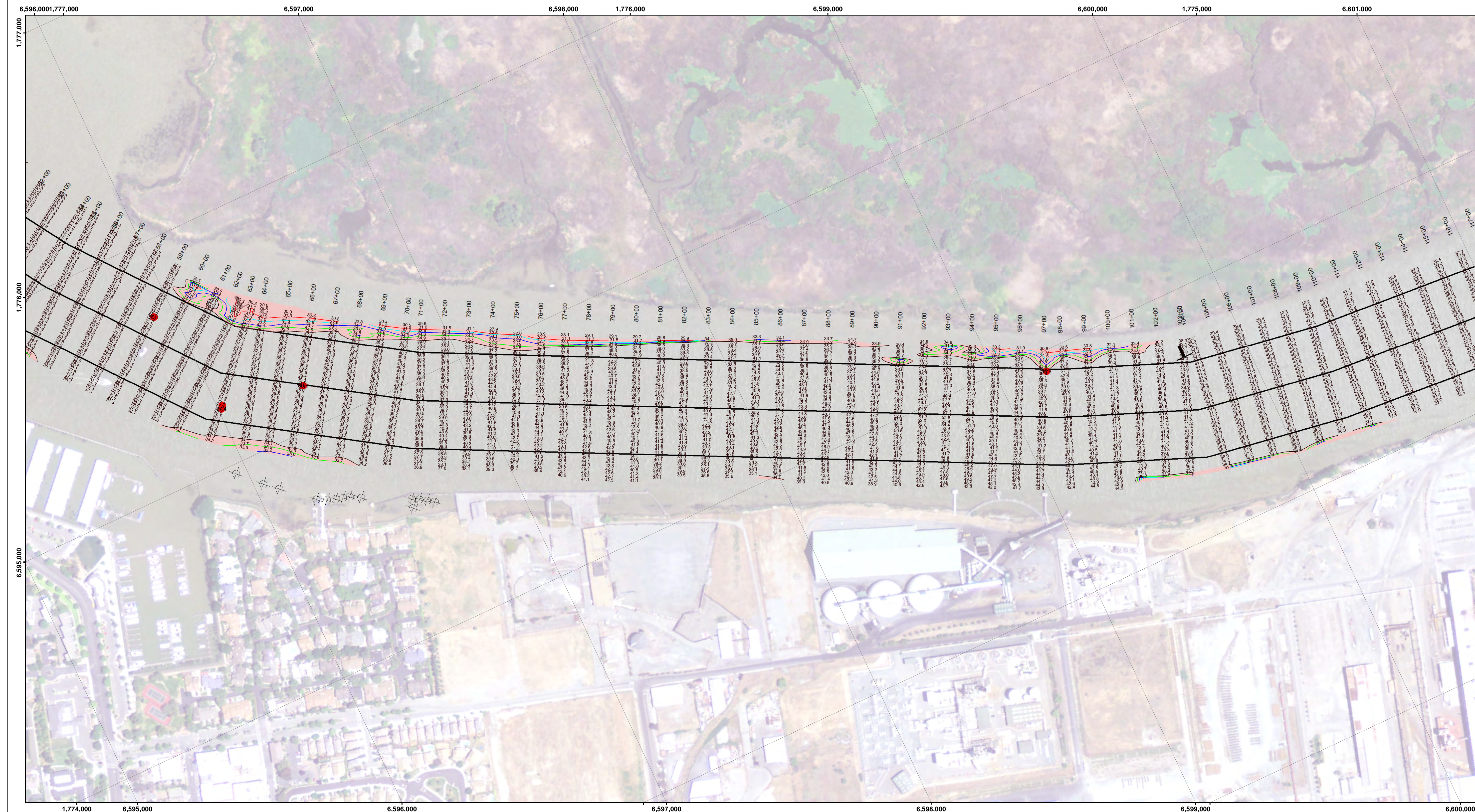
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Prepared Under the Direction of KEVIN P. ARNETT LT Colonel, C.E. District Engineer	Chart Date: Dec 22, 2021
Submittal: Hydro Survey Team Leader	Designed by: PDT
Recommendation: Chief, Hydro Survey Section	Drawn by: PDT
Approval: Chief, Construction Branch	

CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

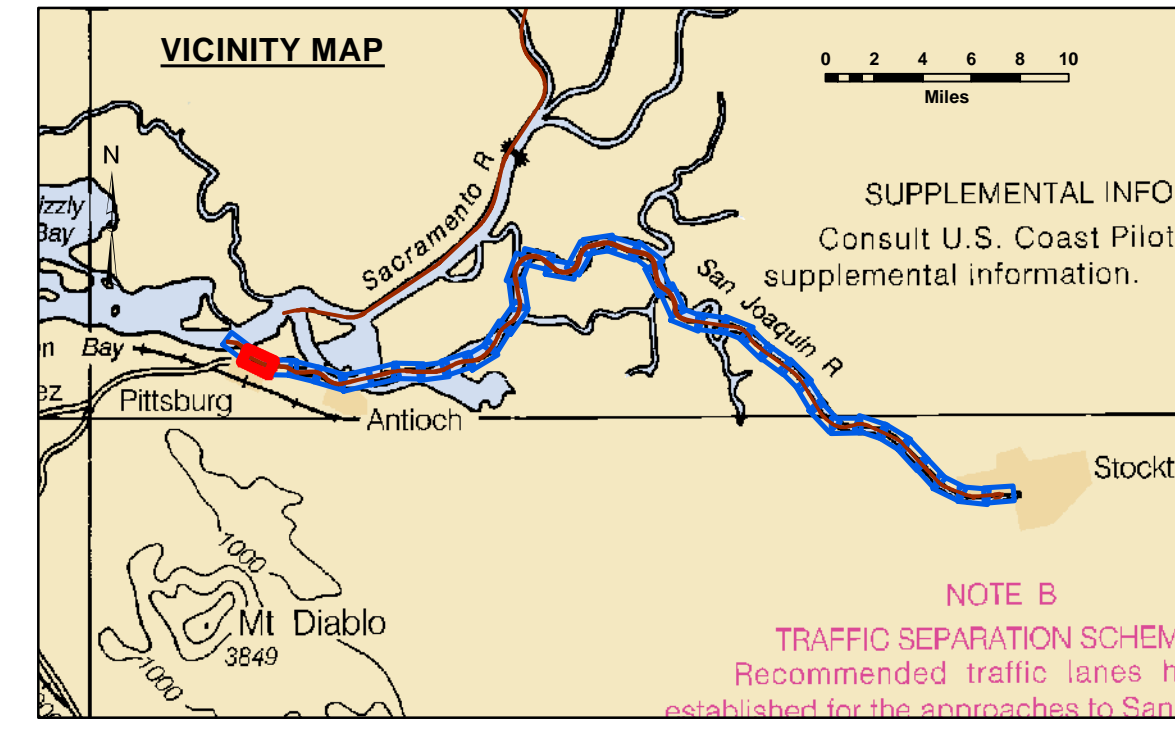
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 Accuracy: The data represents the results of data...
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Chart Date:	Dec 22, 2021
Surveyed By:	KEVIN P. ARNETT
Designed By:	PDT
Plotted By:	PDT
Checked By:	PDT
Drawn By:	PDT

CALIFORNIA
 STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021
 SAN JOAQUIN COUNTY



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

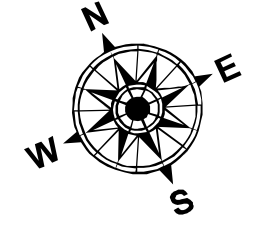
Contours	
—	-35
—	-34
—	-33
—	-32
—	-31

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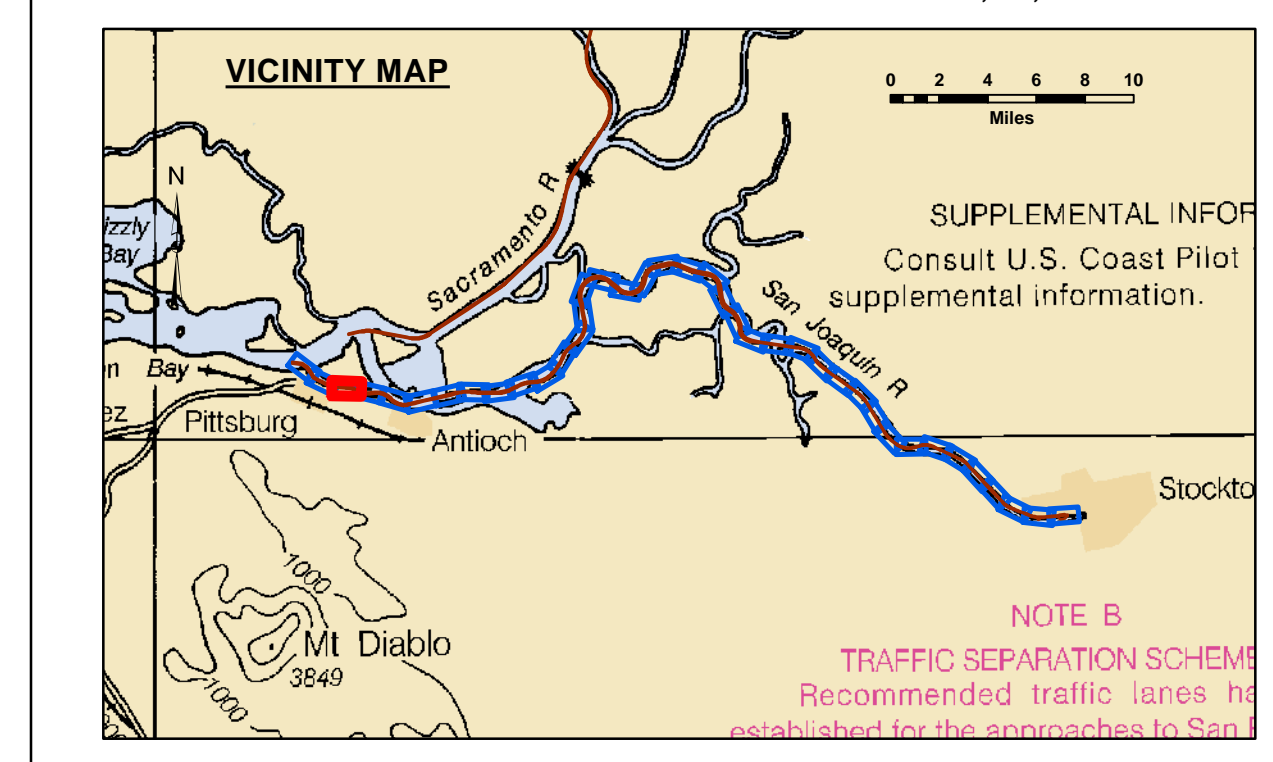
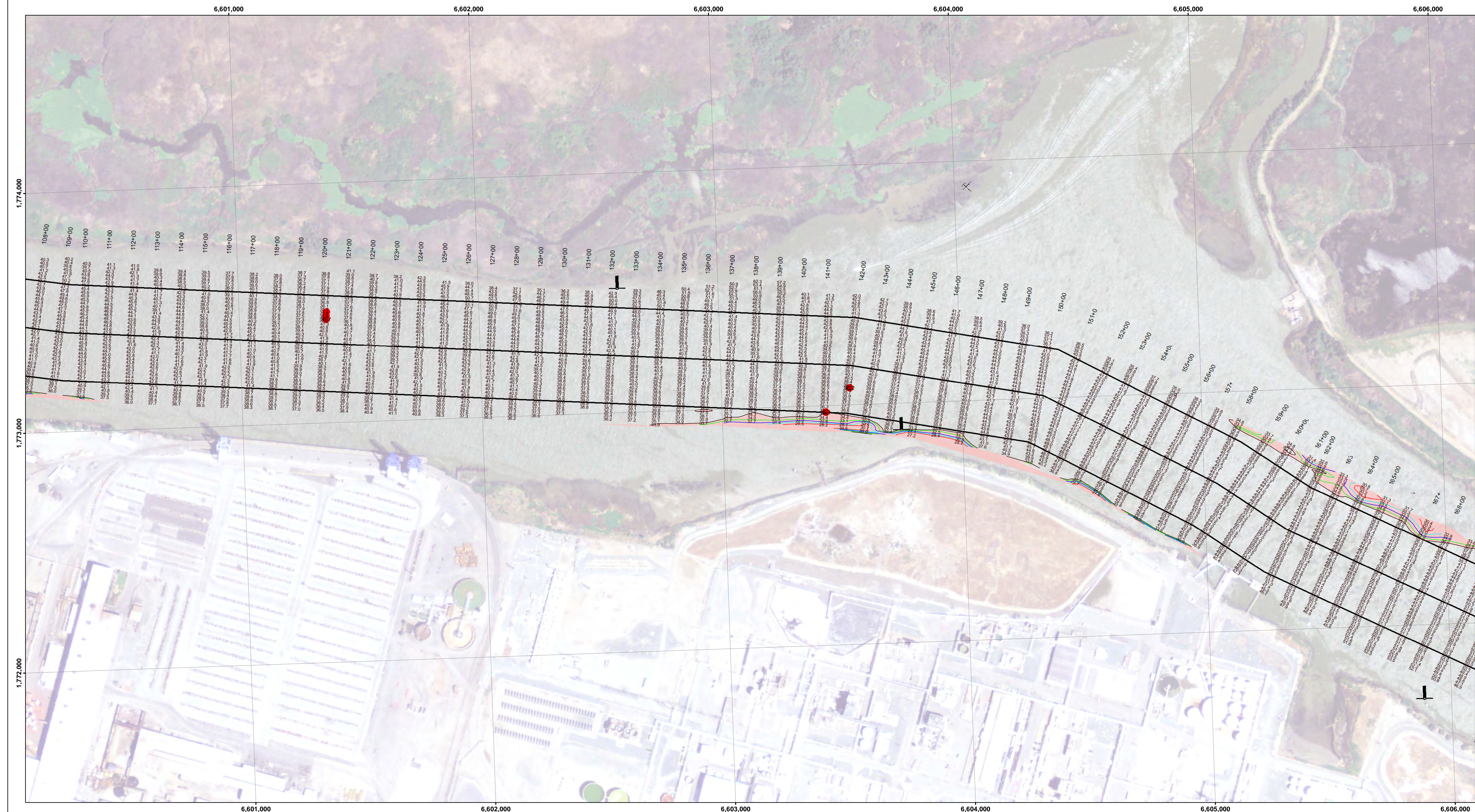
LOCATION: PORT OF STOCKTON
 NOAA STATION: 941 4867
 BENCHMARK: 941 4867 TIDAL 2 (PID: HS0438)
 TIDE GAUGE:
 NAIL @ 10.0 FT MLLW
 LAT: 37 55 44.62 N
 LONG: 121 19 40.74 W

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

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



Sheet Reference Number
 2 of 39



Feet
0 400 800 1,200

LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	— -35	
— Federal Navigation Center Line	□ Placement Area	— -34	
..... Cable Submarine	▨ Anchorage Area	— -33	
- - - Cable Overhead	⊥ Obstruction Point	— -32	
— Contour Line	★ Wrecks-Submerged	— -31	
	● Shoaling Area		
	● Shoalest Sounding**		
	⊥ Beacon, General		
	◆ Red Navigation Buoy		
	◆ Green Navigation Buoy		

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PROJECT DEPTH: -35'
VERTICAL DATUM: MLLW
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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:
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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

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



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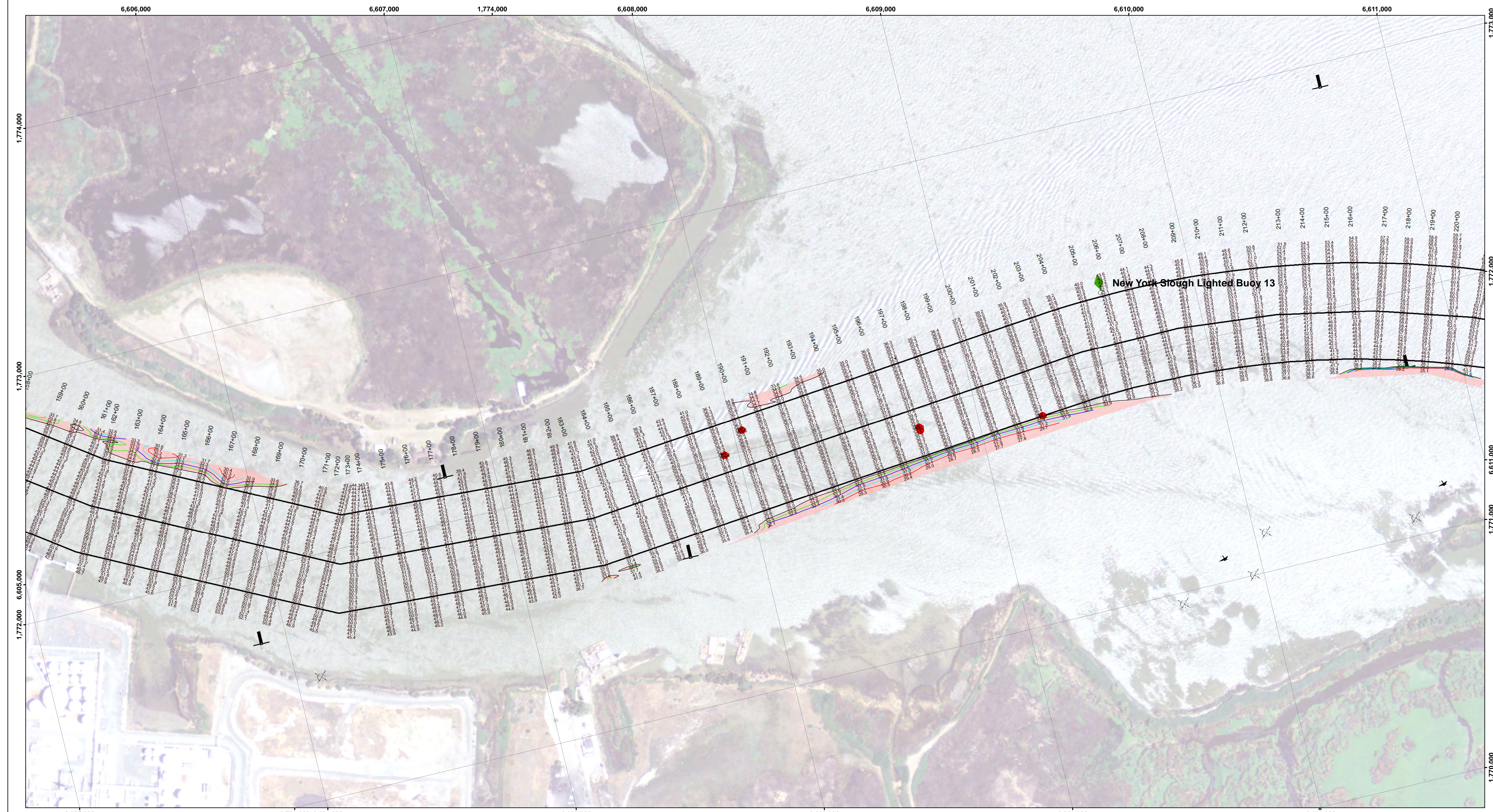
Chart Date:	Dec 22, 2021
Designed by:	
Drawn by:	PDT
Surveyed By:	
Plotted By:	PDT
Checked By:	PDT
Approved:	
Chief, Construction Branch	

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
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
3 of 39

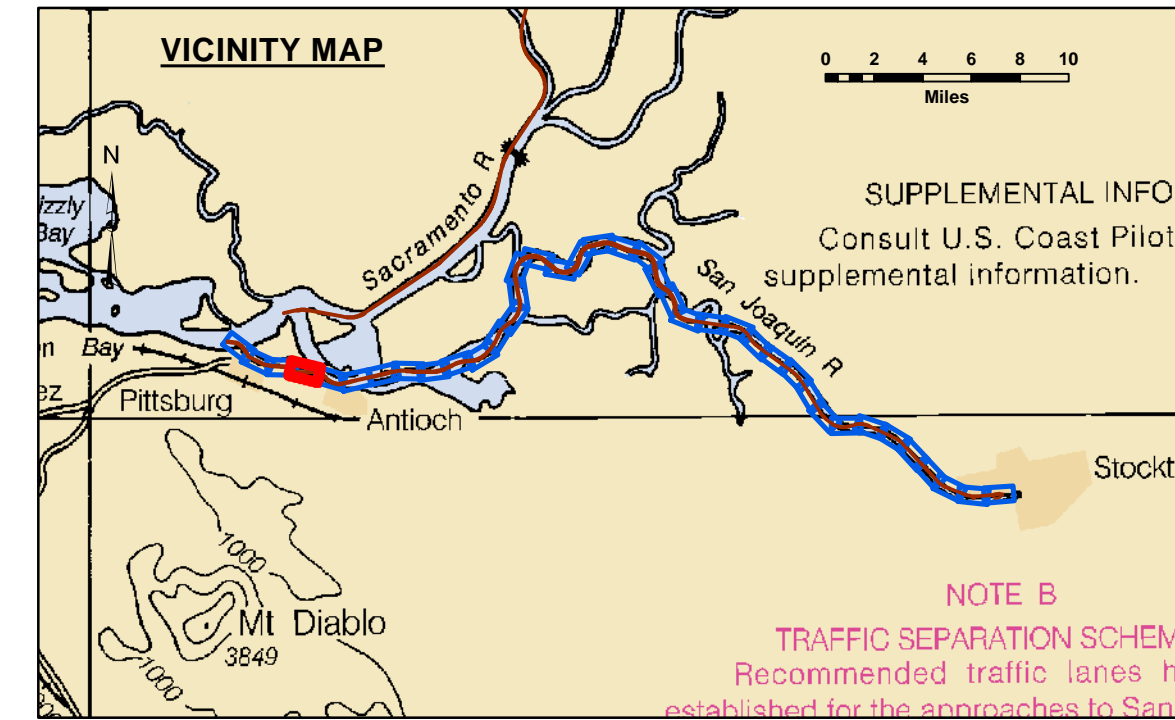


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Subproject: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Checked by: PDT
Approved: Chief, Construction Branch	Drawn by: PDT

CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021



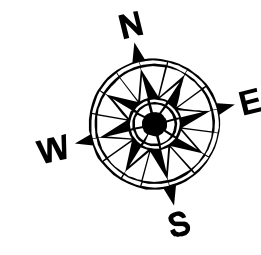
LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	— -35	
— Federal Navigation Center Line	□ Placement Area	— -34	
..... Cable Submarine	▨ Anchorage Area	— -33	
- - - Cable Overhead	⊗ Obstruction Point	— -32	
— Contour Line	★ Wrecks-Submerged	— -31	
	● Shoaling Area		
	● Shoalest Sounding**		
	⊥ Beacon, General		
	◆ Red Navigation Buoy		
	◆ Green Navigation Buoy		

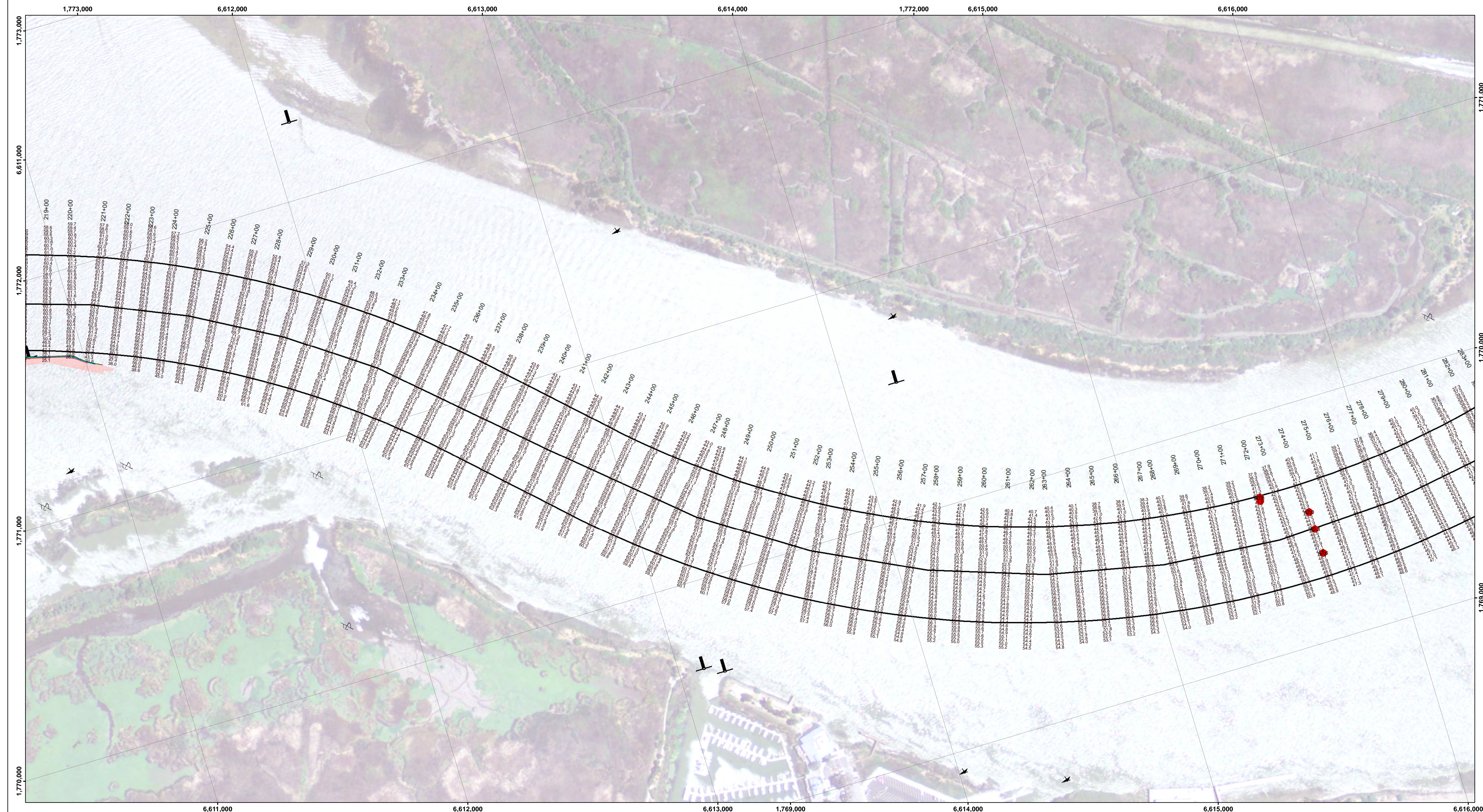
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LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

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DAY MARKER 19 = 8.2 FT MLLW
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CONTROLS:
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NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
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LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

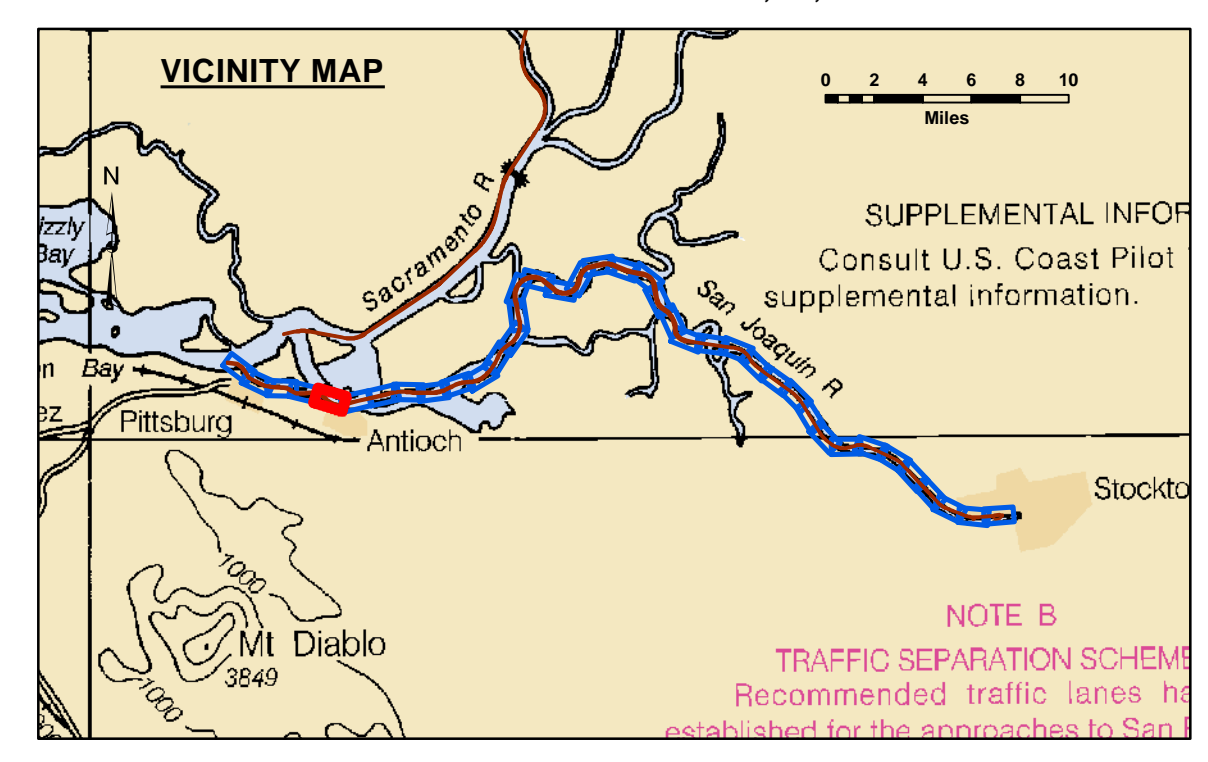




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Chart Date:	Dec 22, 2021
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	KEVIN P. ARNETT LT. COLONEL, C.E., DISTRICT ENGINEER
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Hydro Survey Section
Approved:	Chief, Construction Branch

CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021



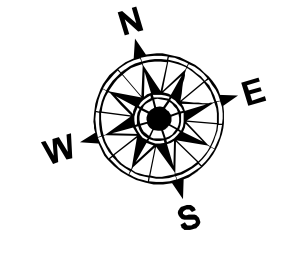
LEGEND		
--- Federal Navigation Channel	▨ Cable Area	■ Shoaling Area
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**
..... Cable Submarine	⊠ Anchorage Area	⊥ Beacon, General
- - - Cable Overhead	⊗ Obstruction Point	◆ Red Navigation Buoy
— Contour Line	✳ Wrecks-Submerged	◆ Green Navigation Buoy
		Contours
		— -35
		— -34
		— -33
		— -32
		— -31

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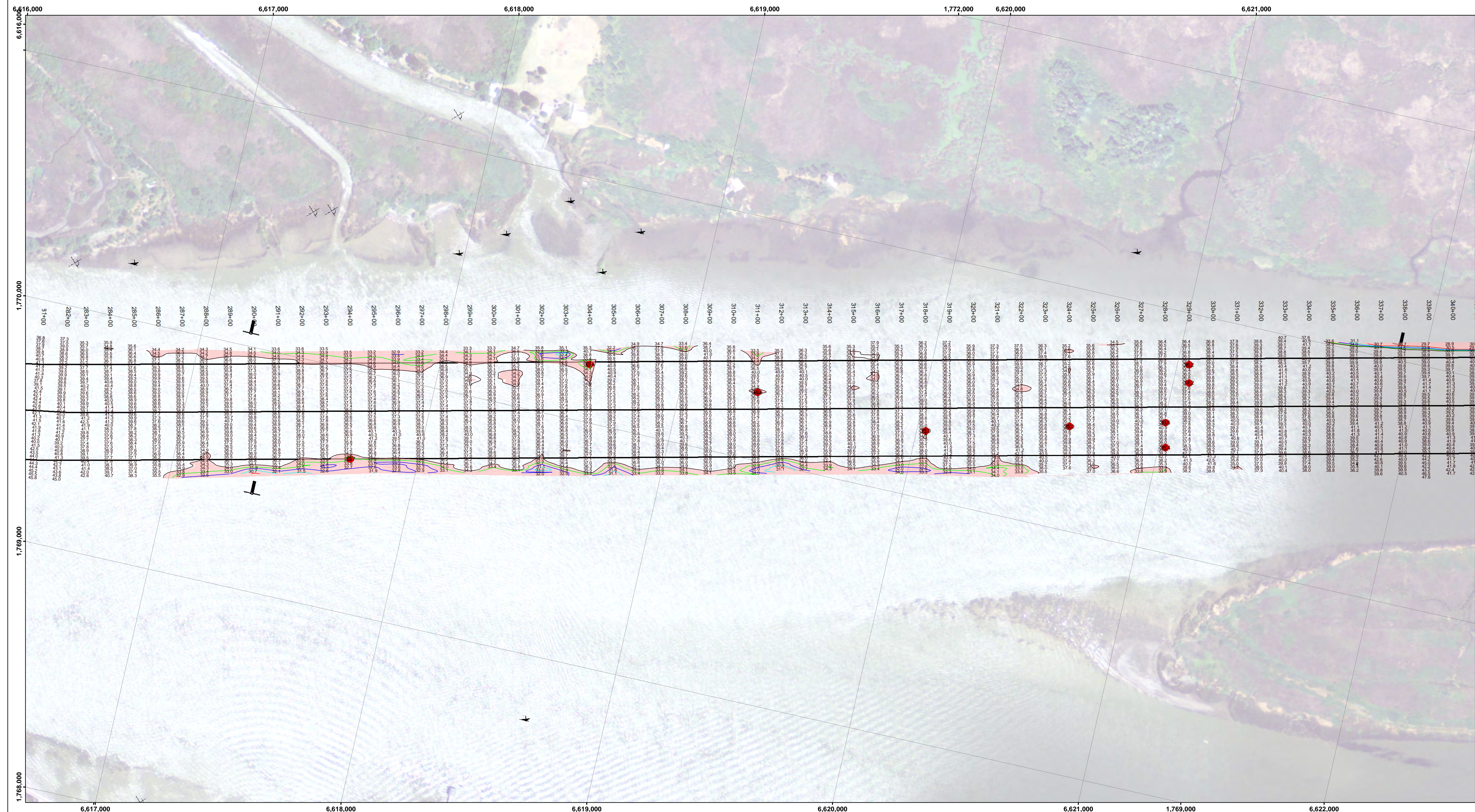
LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
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Sheet Reference Number
5 of 39



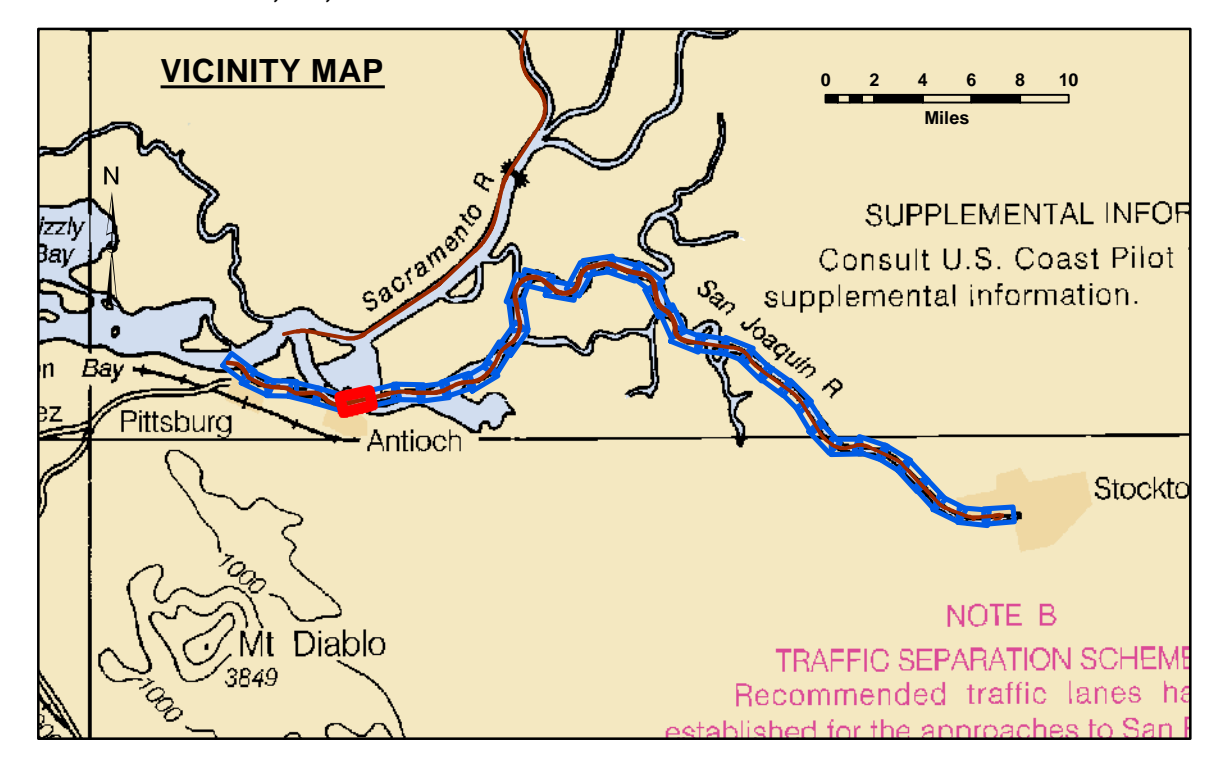
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Drawn By:	PDT
Surveyed By:	KEVIN P. ARNETT LT. COLONEL, C.E., DISTRICT ENGINEER
Plotted By:	PDT
Checked By:	PDT

CALIFORNIA
STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021

Sheet Reference Number
6 of 39



Feet
0 400 800 1,200

LEGEND		
--- Federal Navigation Channel	▨ Cable Area	■ Shoaling Area
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**
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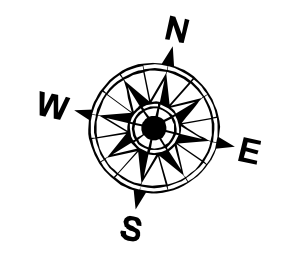
Contours	
—	-35
—	-34
—	-33
—	-32
—	-31

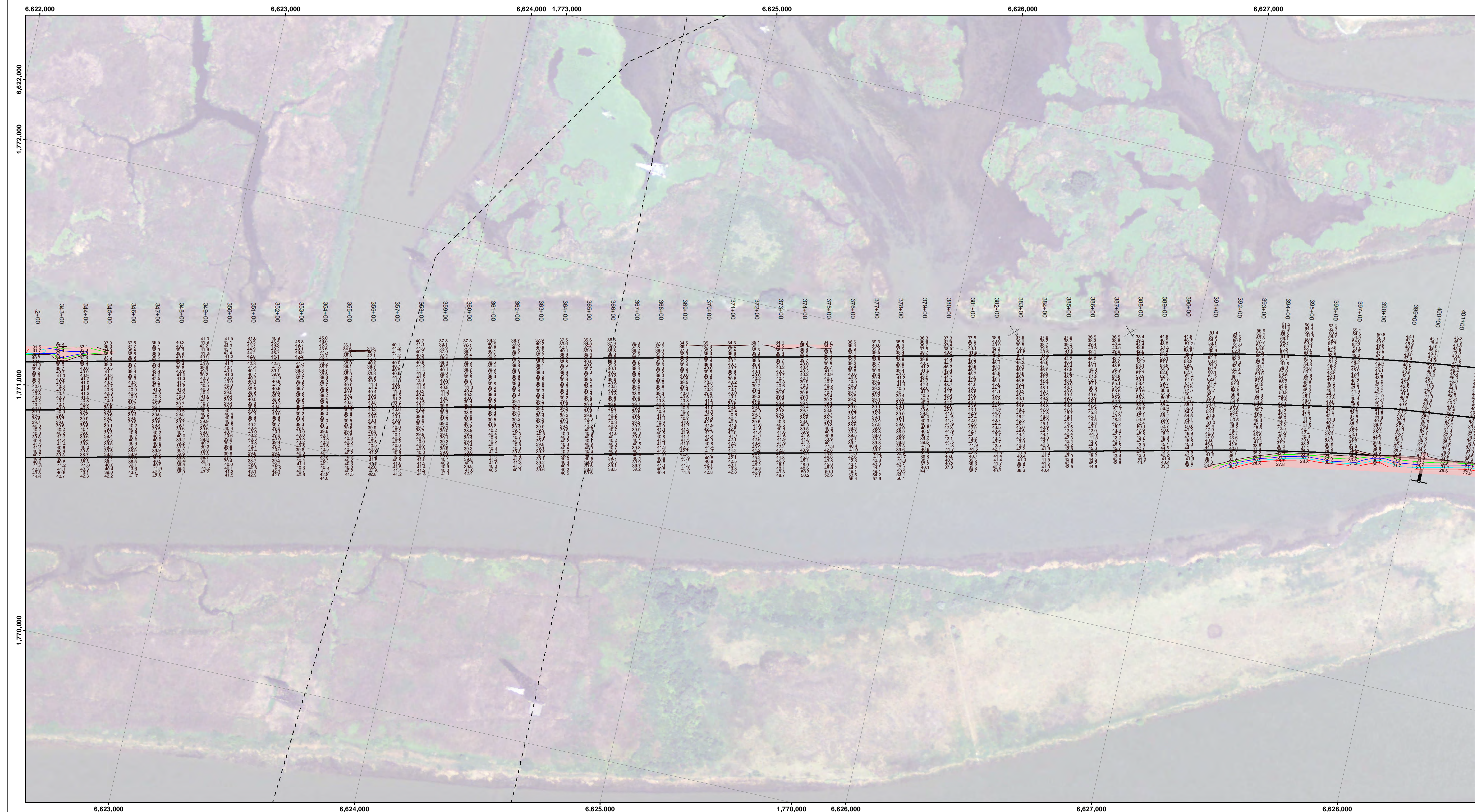
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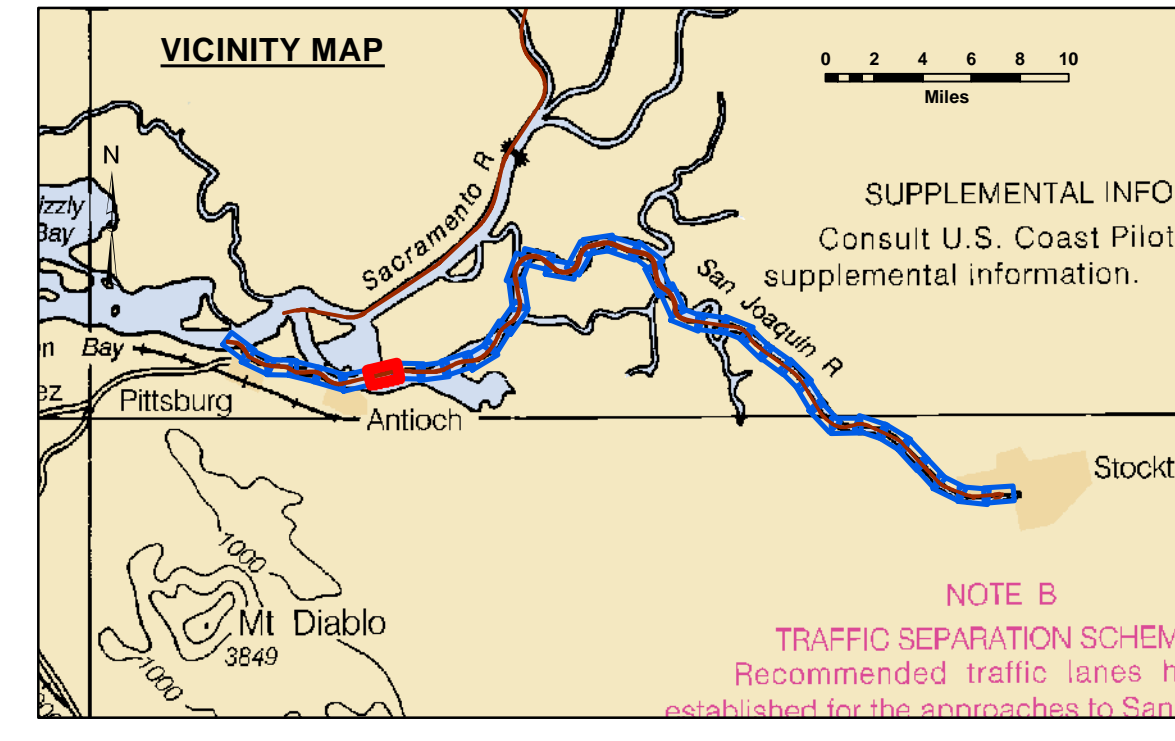


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Chart Date:	Dec 22, 2021
Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
Checked By:	PDT
Drawn By:	PDT

PREPARED UNDER THE DIRECTION OF
KEVIN P. ARNETT
 LT COLONEL, U.S. DISTRICT ENGINEER
 Subject: Hydro Survey Team Leader
 Recommend: Chief, Hydro Survey Section
 Approval: Chief, Construction Branch

CALIFORNIA
STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021
 SAN JOAQUIN COUNTY
Sheet Reference Number
7 of 39



LEGEND		
--- Federal Navigation Channel	▨ Cable Area	■ Shoaling Area
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**
..... Cable Submarine	▭ Anchorage Area	⊥ Beacon, General
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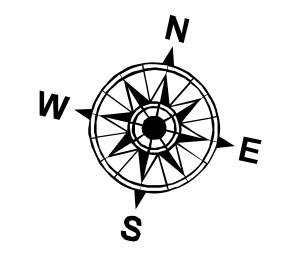
Contours	
—	-35
—	-34
—	-33
—	-32
—	-31

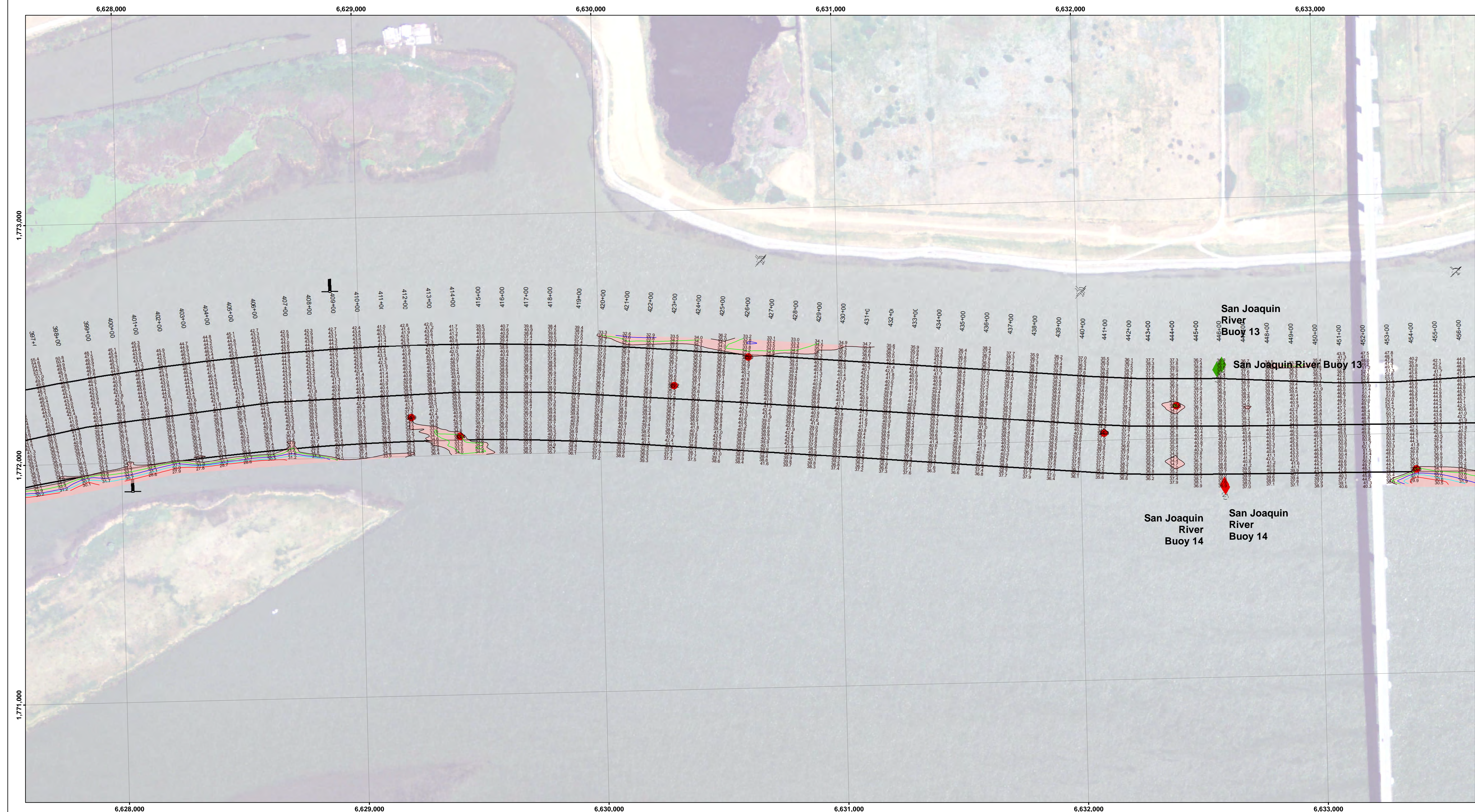
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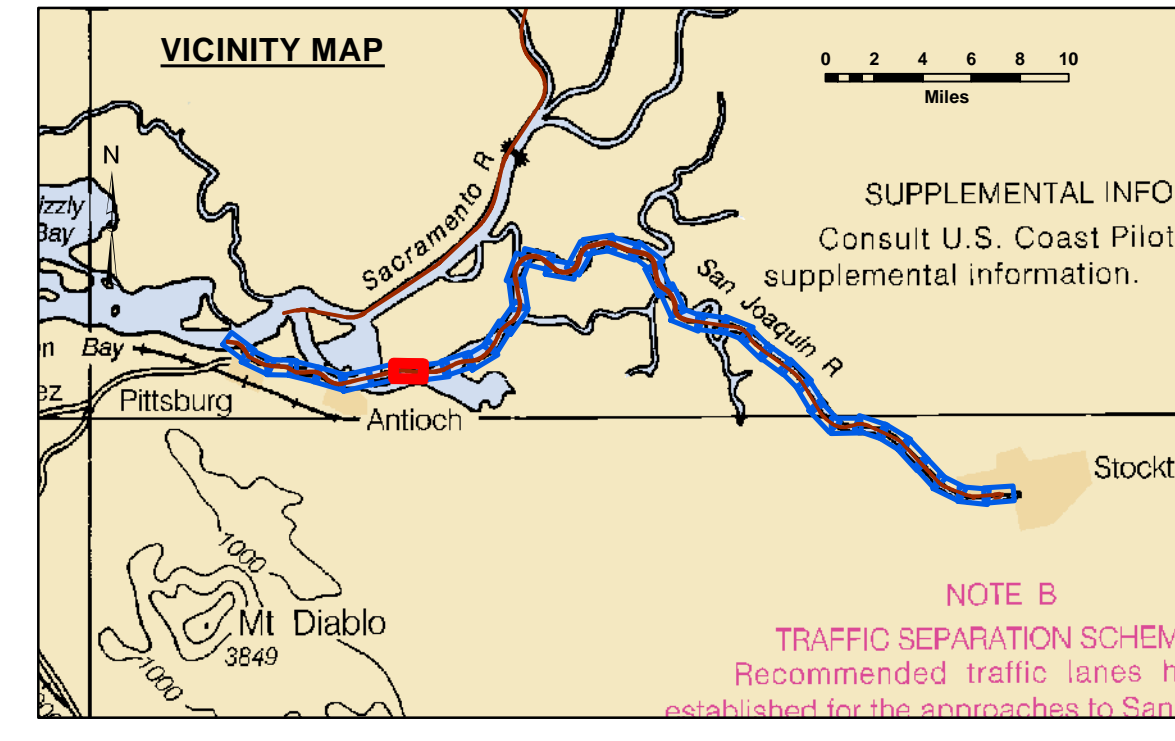
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 LAT: 38 01 6.9393 N
 LONG: 121 48 56.7074 W





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Chart Date:	Dec 22, 2021
Prepared Under the Direction of:	KEVIN P. ARNETT
Subproject:	Hydro Survey Team Leader
Recommended:	Chief, Hydro Survey Section
Approved:	Chief, Construction Branch
Surveyed By:	PDT
Plotted By:	PDT
Checked By:	PDT
Drawn By:	PDT



Feet
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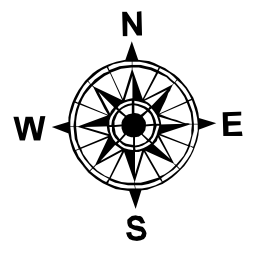
--- Federal Navigation Channel	▨ Cable Area	● Shoaling Area	— Contours
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	— -35
..... Cable Submarine	▨ Anchorage Area	⊥ Beacon, General	— -34
- - - Cable Overhead	⊗ Obstruction Point	◆ Red Navigation Buoy	— -33
— Contour Line	✦ Wrecks-Submerged	◆ Green Navigation Buoy	— -32
			— -31

NOTES:
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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

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0438)
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 28 = 9.0 FT MLLW
PORT OF STOCKTON TIG #2 (37.951 N, 121.334 W) = 10.0 FT MLLW

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

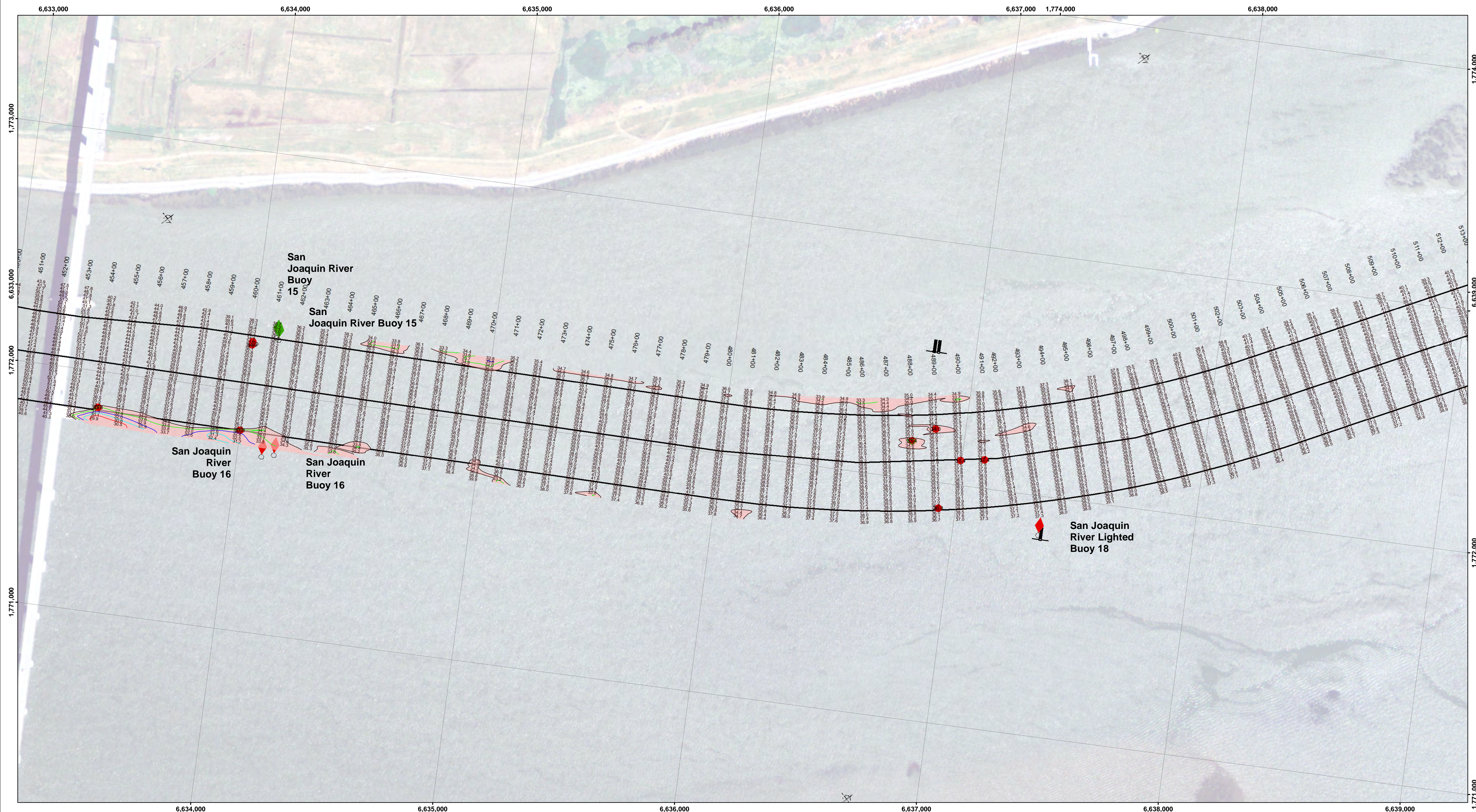


CALIFORNIA

SAN JOAQUIN COUNTY

STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
8 of 39

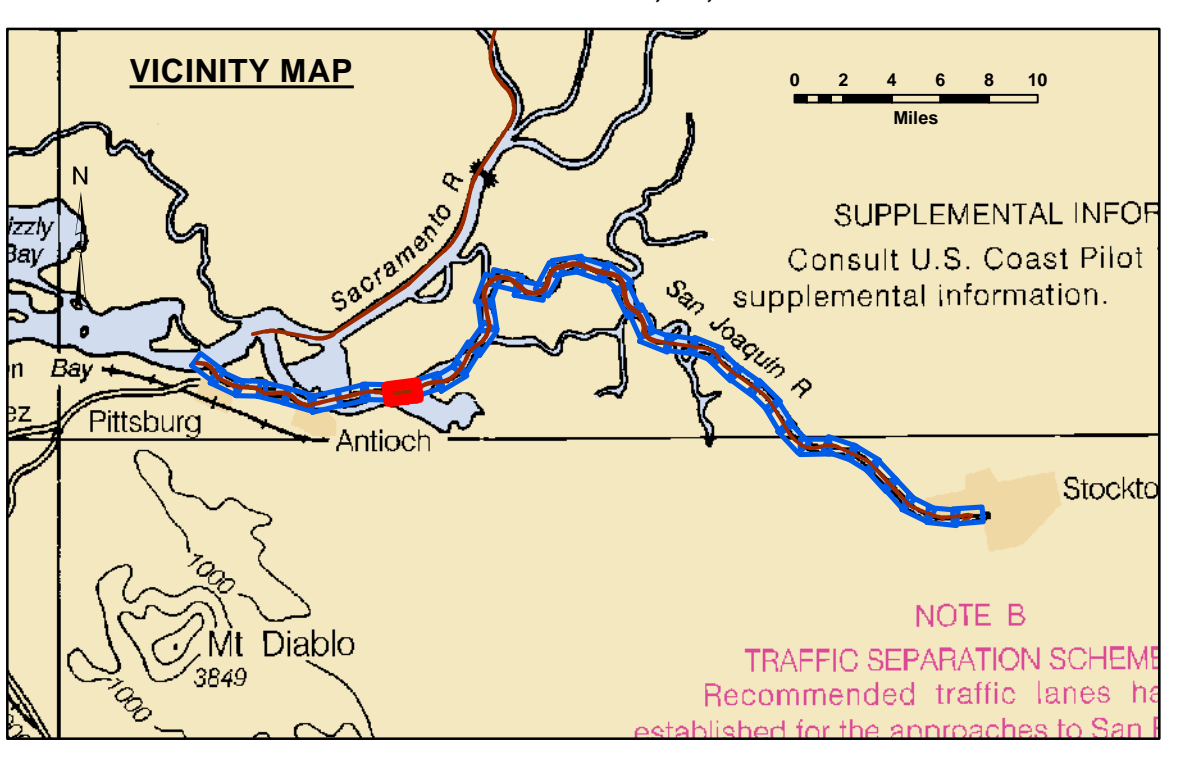


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Chart Date:	Dec 22, 2021
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	Plotted By: PDT
Checked By:	PDT
Approved:	Chief, Construction Branch

CALIFORNIA
STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021

Sheet Reference Number
9 of 39



Feet
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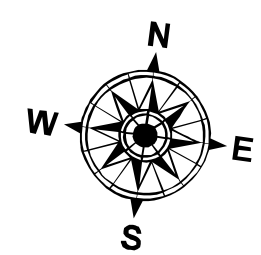
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— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	— -35
..... Cable Submarine	▭ Anchorage Area	⊥ Beacon, General	— -34
- - - Cable Overhead	⊗ Obstruction Point	◆ Red Navigation Buoy	— -33
— Contour Line	✳ Wrecks-Submerged	◆ Green Navigation Buoy	— -32
			— -31

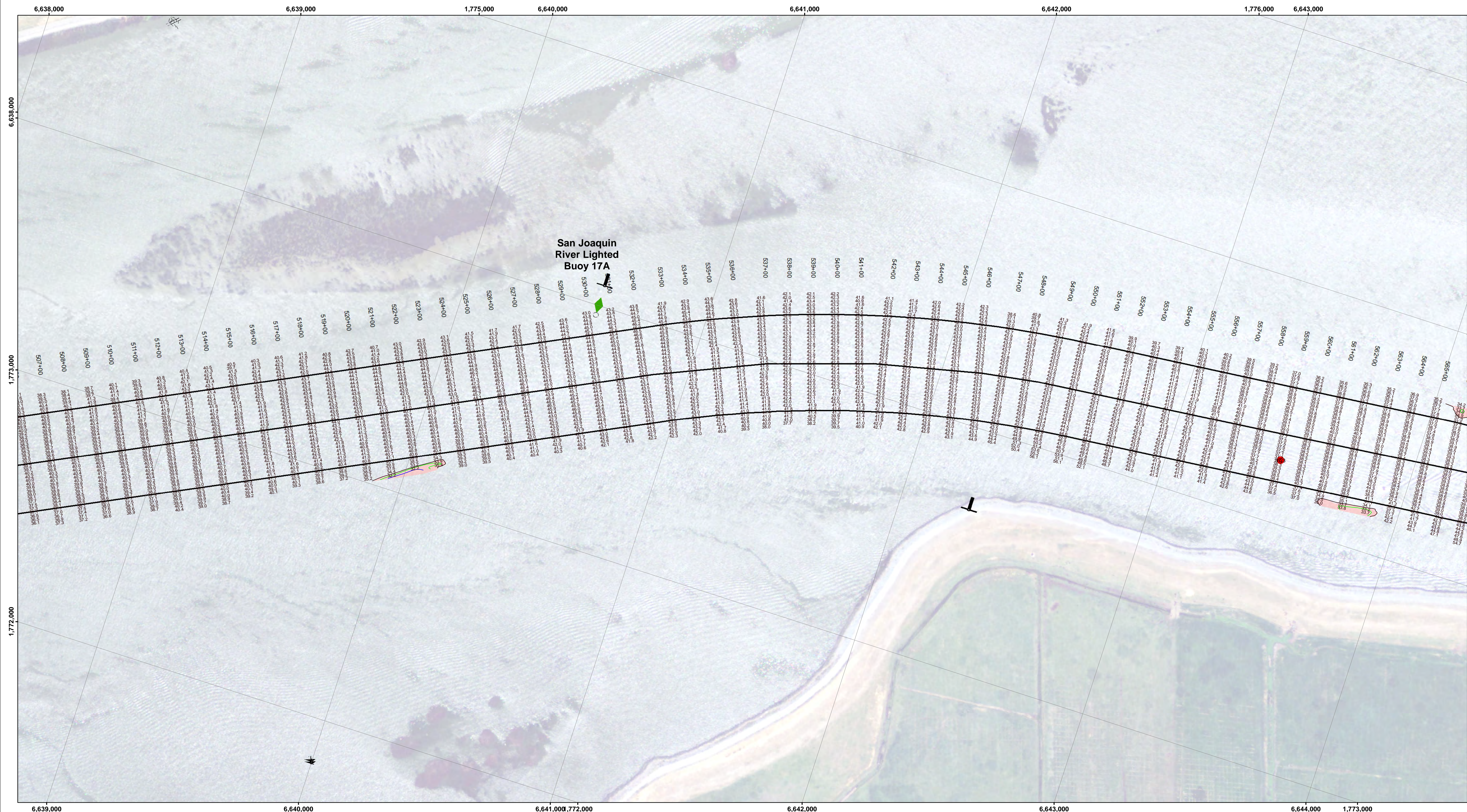
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 PROJECT DEPTH: -35'
 VERTICAL DATUM: MLLW
 THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

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

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



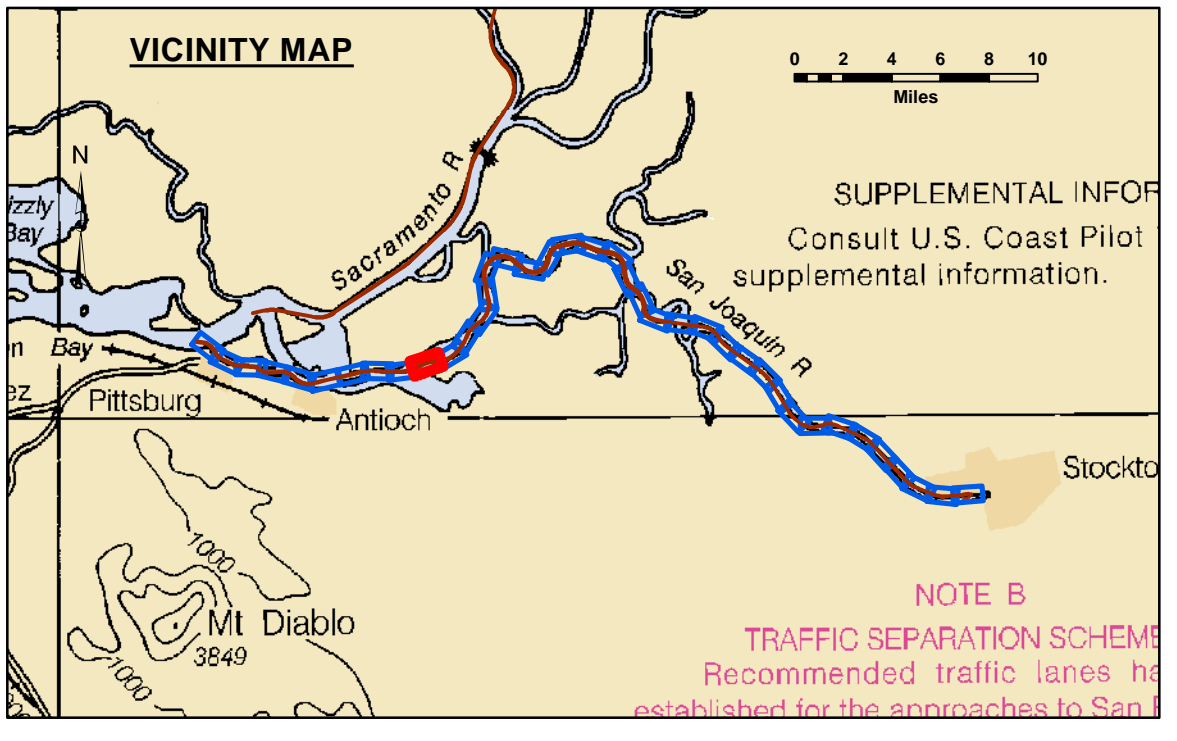


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Prepared Under the Direction of KEVIN P. ARNETT LT. COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Dec 22, 2021
Submittal: Hydro Survey Team Leader	Designed by: PDT
Recommendation: Chief, Hydro Survey Section	Checked by: PDT
Approval: Chief, Construction Branch	Drawn by: PDT



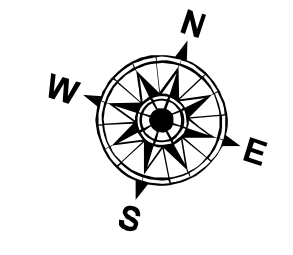
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— Federal Navigation Center Line	□ Placement Area	— -34	
..... Cable Submarine	▭ Anchorage Area	— -33	
- - - Cable Overhead	⊗ Obstruction Point	— -32	
— Contour Line	✦ Wrecks-Submerged	— -31	
	● Shoaling Area		
	● Shoalest Sounding**		
	⊥ Beacon, General		
	◆ Red Navigation Buoy		
	◆ Green Navigation Buoy		

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 4887
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

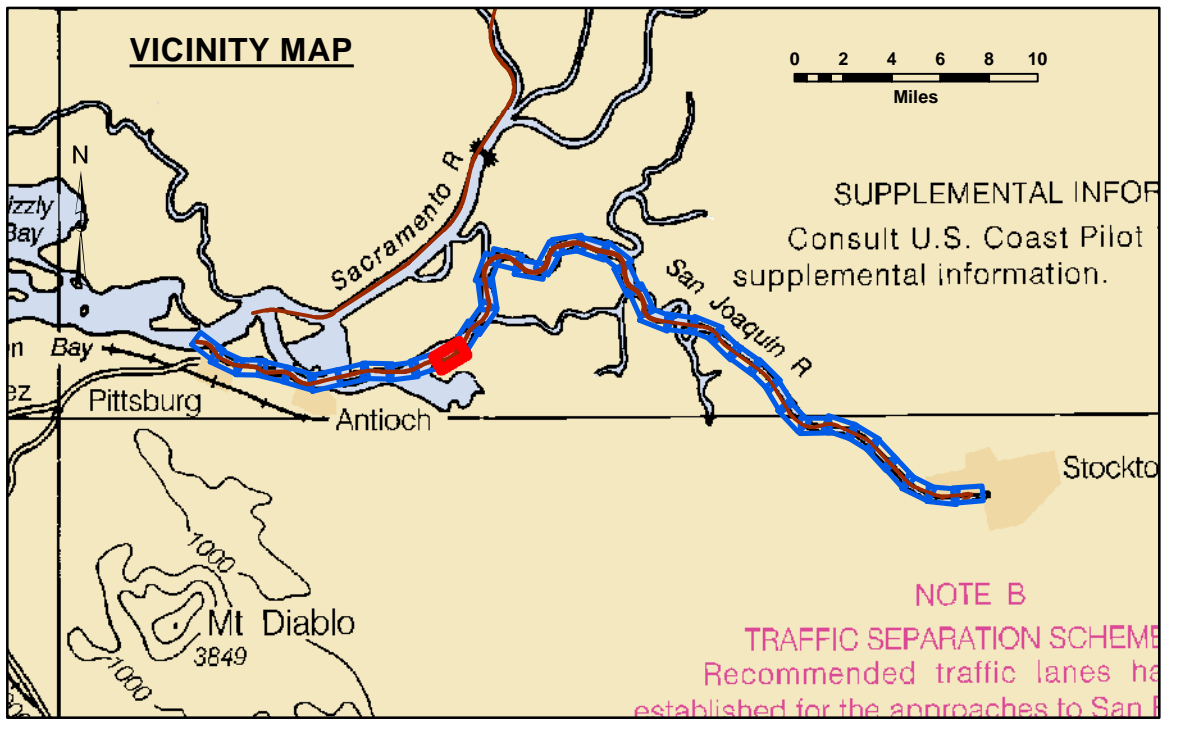
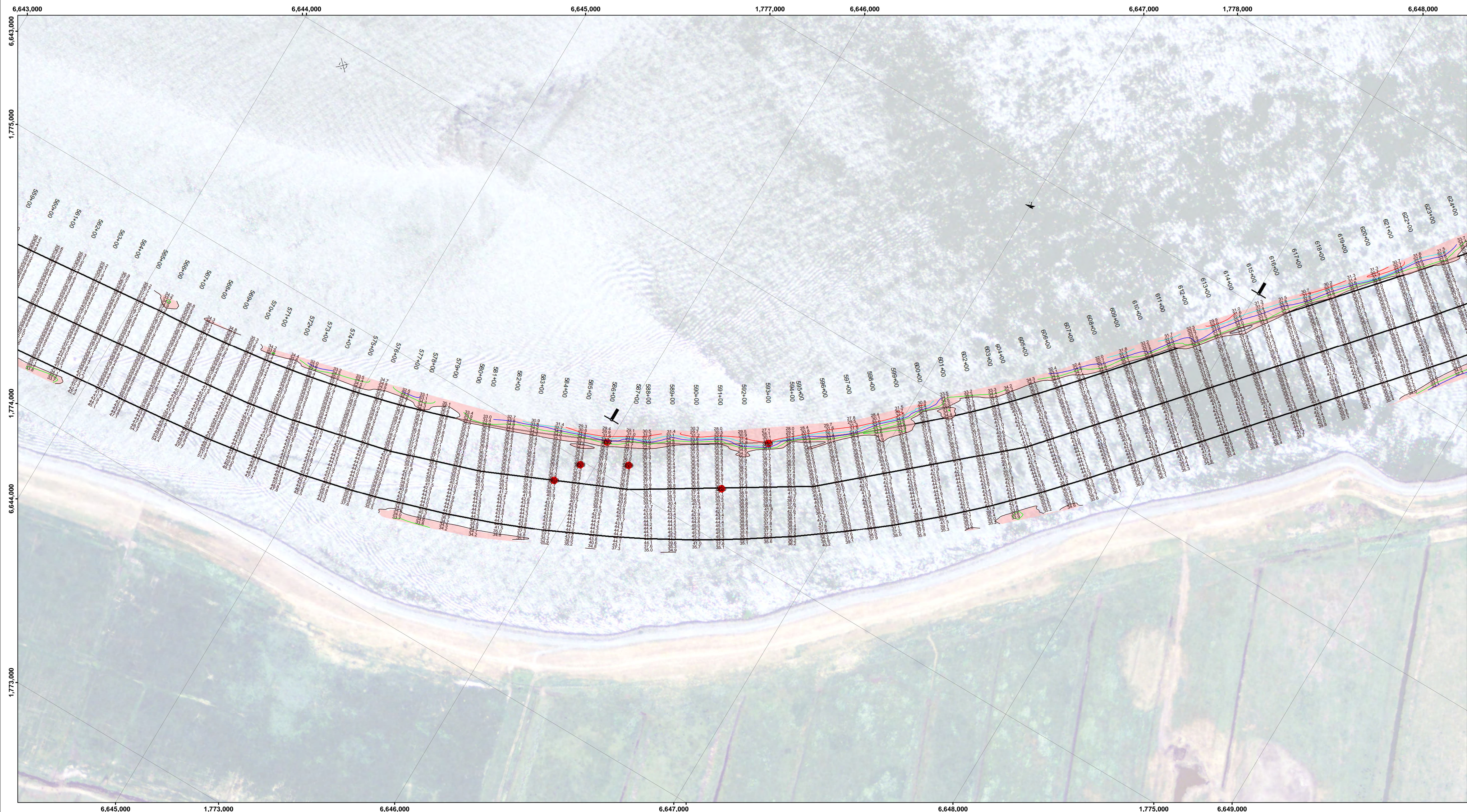


CALIFORNIA

SAN JOAQUIN COUNTY

STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
10 of 39



Feet
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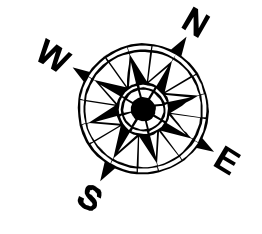
LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	— -35	
— Federal Navigation Center Line	□ Placement Area	— -34	
..... Cable Submarine	▭ Anchorage Area	— -33	
- - - Cable Overhead	⊗ Obstruction Point	— -32	
— Contour Line	✦ Wrecks-Submerged	— -31	
		● Shoalest Sounding**	
		⊥ Beacon, General	
		◆ Red Navigation Buoy	
		◆ Green Navigation Buoy	

NOTES:
DRAWING NOT TO BE USED FOR NAVIGATION. ONLY CHANNEL CONDITION AT DATE OF SURVEY.
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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

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

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

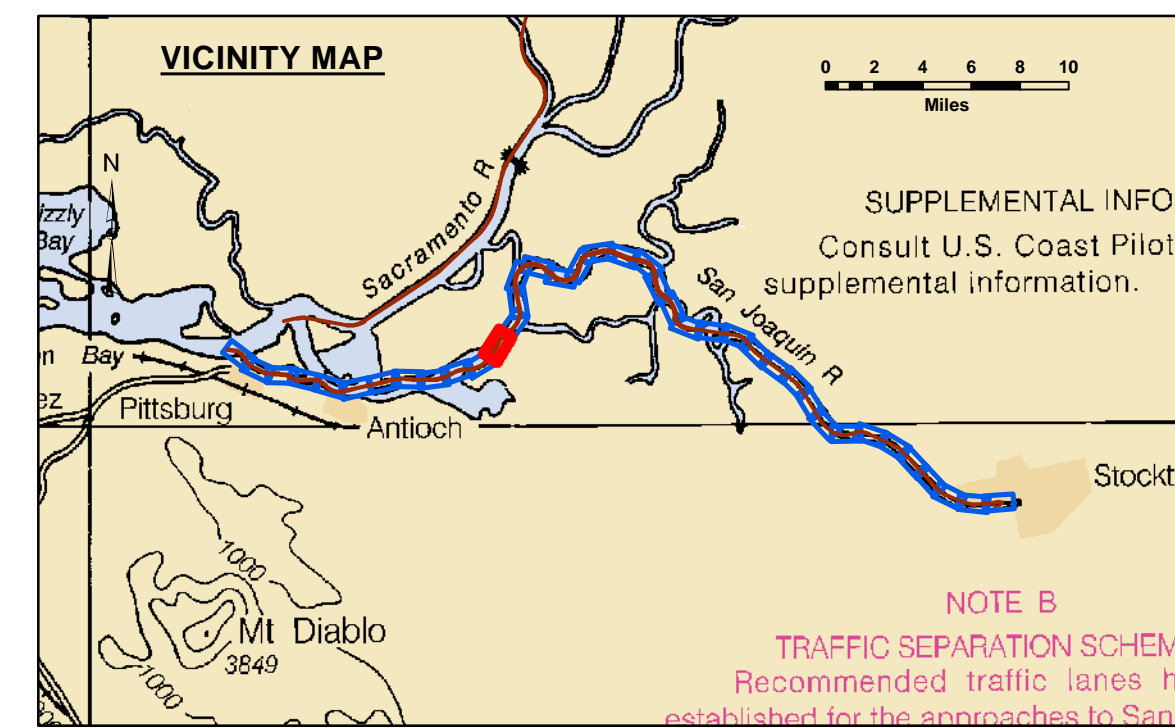
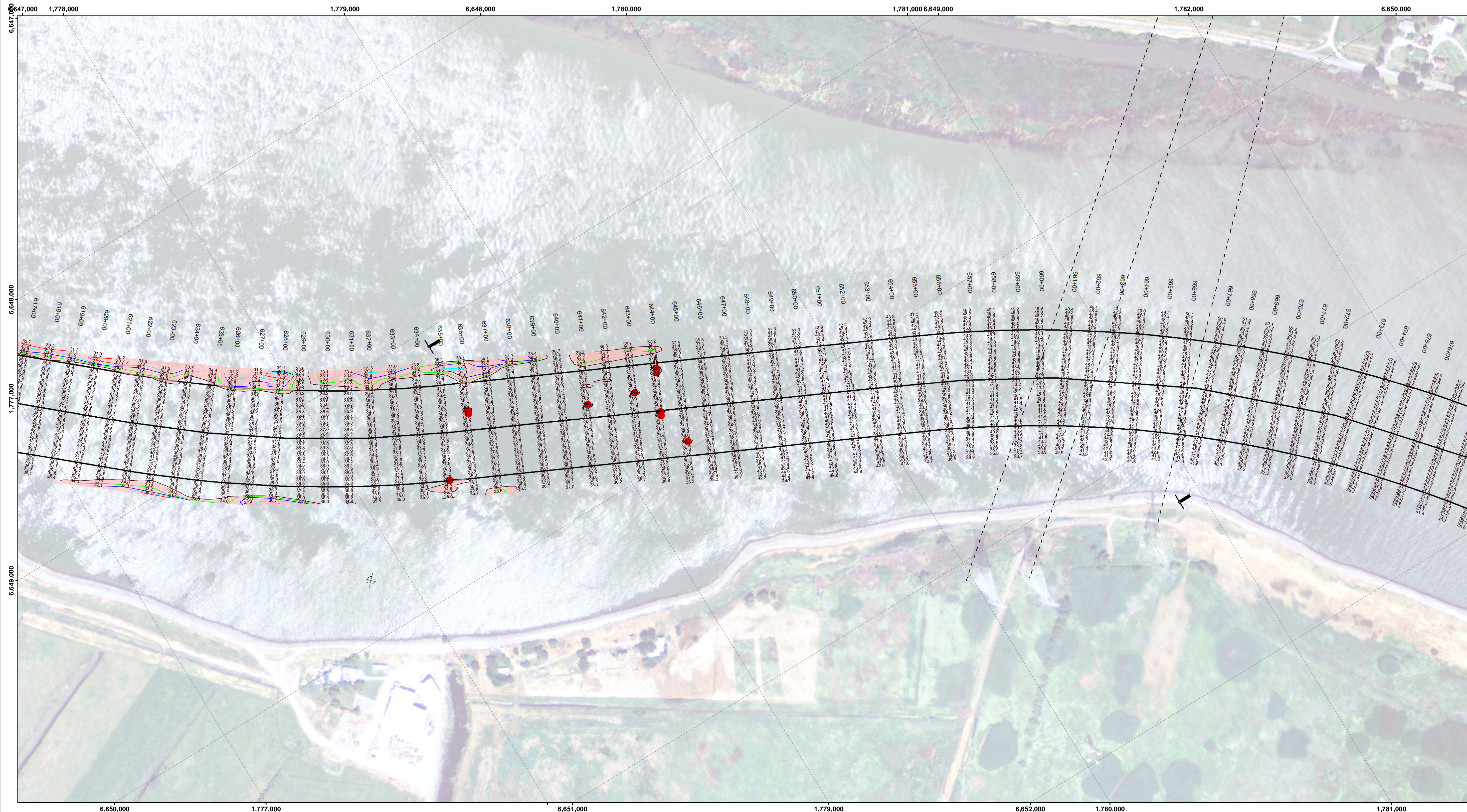


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Prepared Under the Direction of KEVIN P. ARNETT LT. COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Dec 22, 2021
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Checked by: PDT
Approved: Chief, Construction Branch	Drawn by: PDT

CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
11 of 39



Feet
0 400 800 1,200

--- 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

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

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

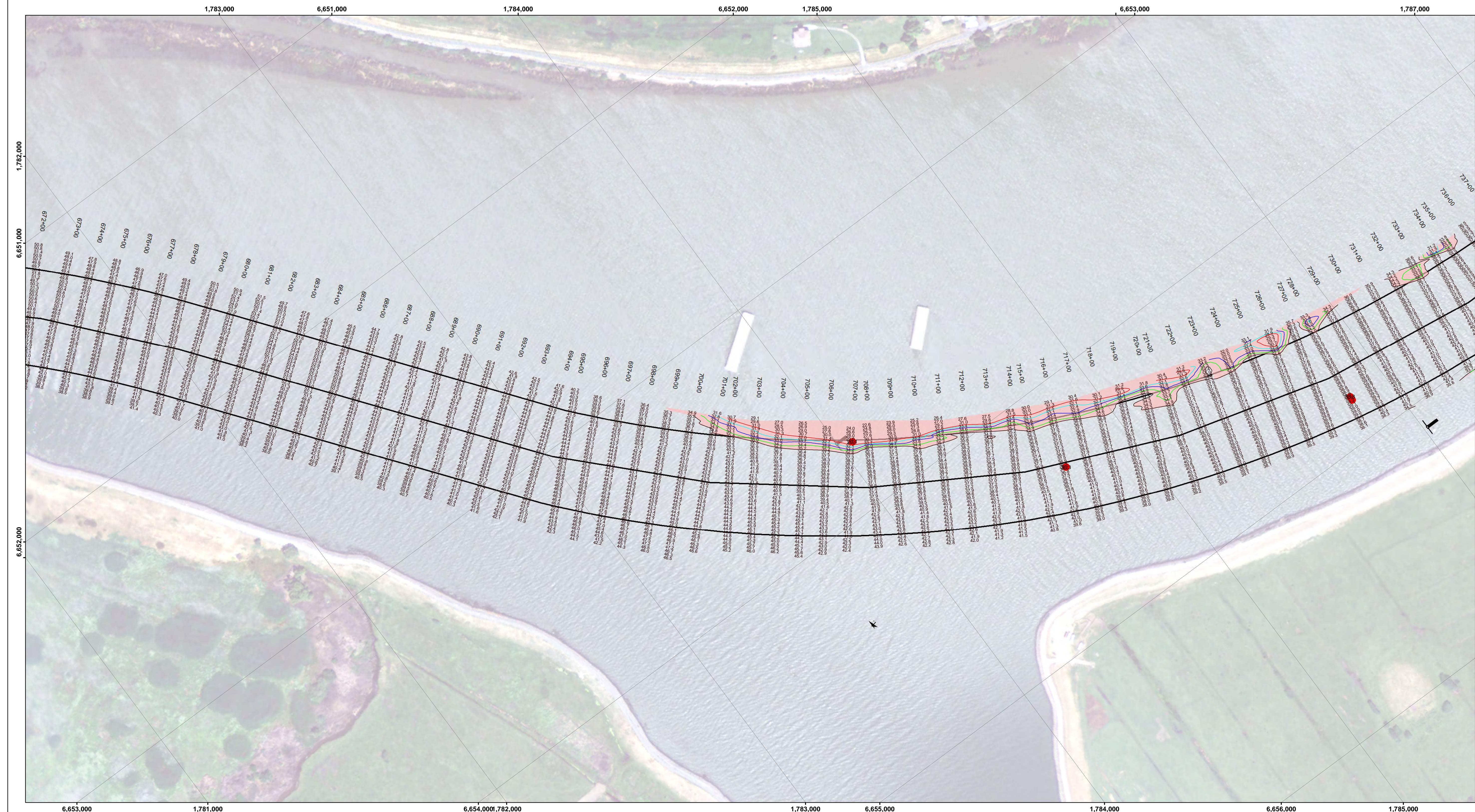


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Chart Date:	Dec 22, 2021
Surveyed By:	KEVIN P. ARNETT
Designed By:	LT. COLONEL C.E. DISTRICT ENGINEER
Plotted By:	PDT
Checked By:	PDT
Drawn By:	PDT

CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
12 of 39

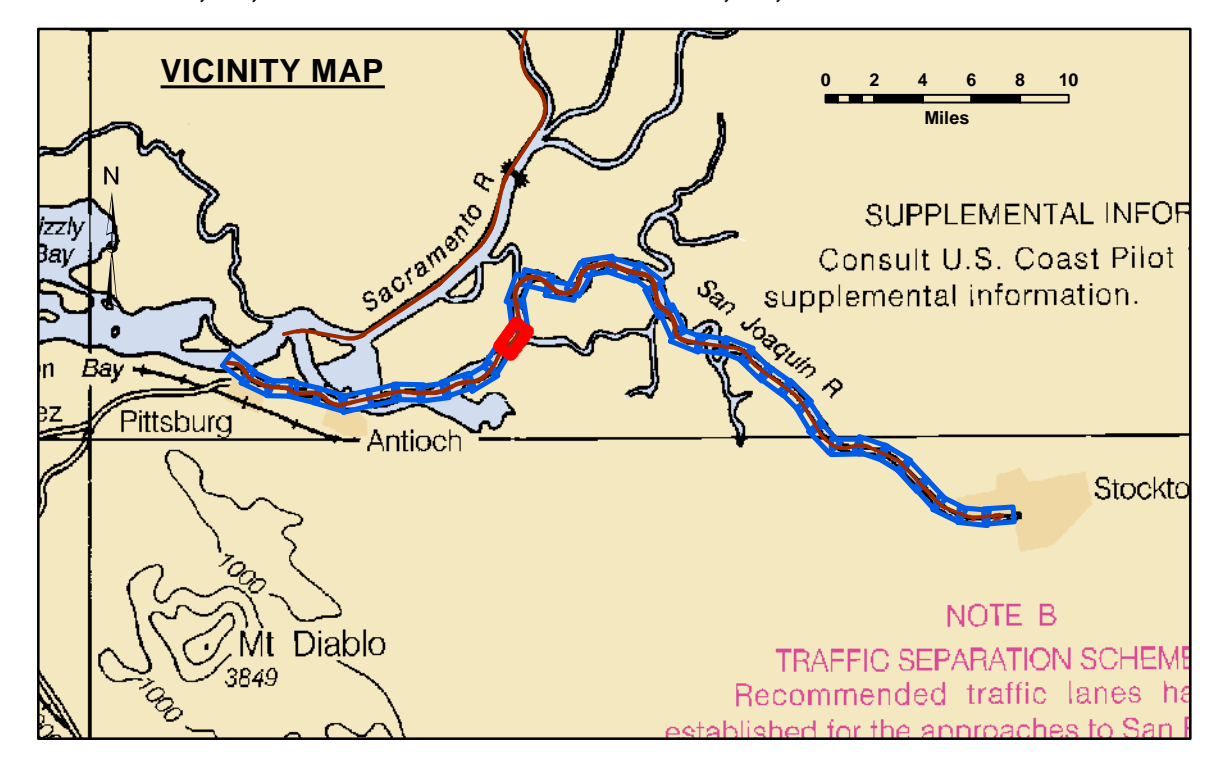


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Chart Date:	Dec 22, 2021
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	PDT
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch

CALIFORNIA
STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021

Sheet Reference Number
13 of 39



Feet
0 400 800 1,200

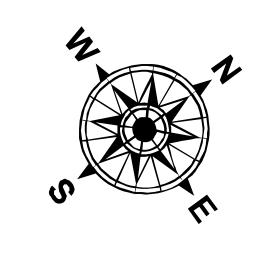
--- Federal Navigation Channel	▨ Cable Area	▨ Shoaling Area	— -35
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	— -34
..... Cable Submarine	▭ Anchorage Area	⊥ Beacon, General	— -33
- - - Cable Overhead	⊗ Obstruction Point	◆ Red Navigation Buoy	— -32
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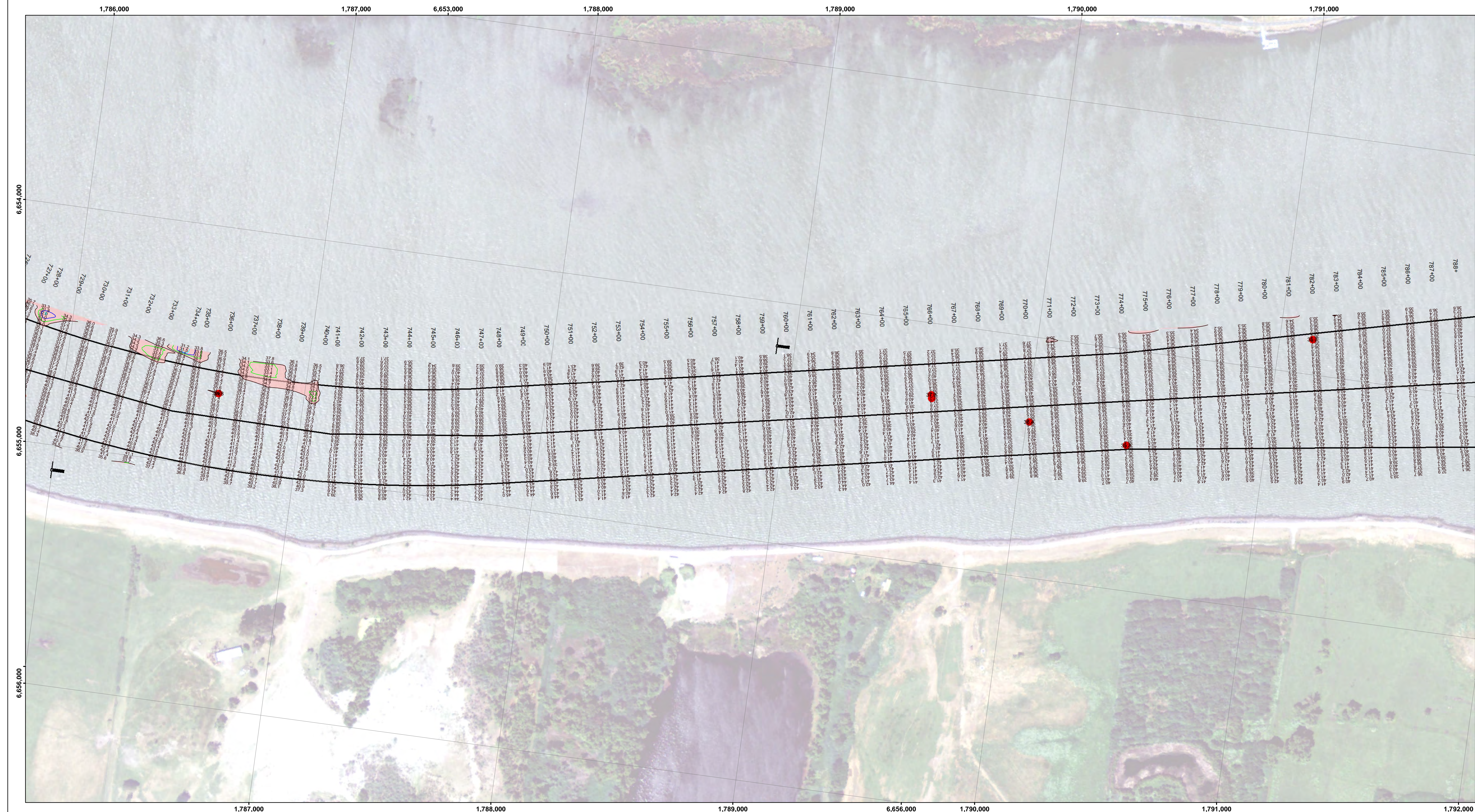
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 PROJECT DEPTH: -35'
 VERTICAL DATUM: MLLW
 THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

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 TIG #2 (37.951 N, 121.334 W) = 10.0 FT MLLW

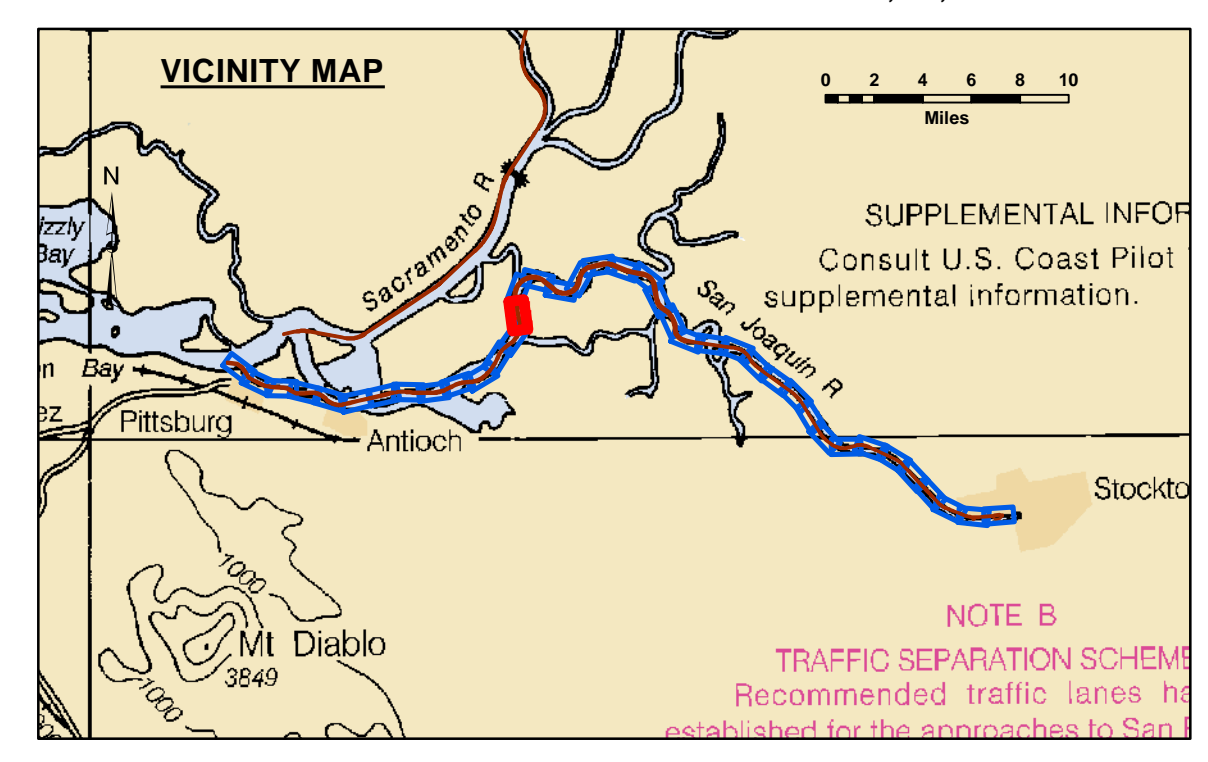
CONTROLS:
 LOCATION: ANTIOCH
 NOAA STATION: 941 5064
 BENCHMARK: 5064-F (No PID)
 TIDE GAUGE:
 NAIL @ 10.15 FT MLLW
 LAT: 38 01 6.9393 N
 LONG: 121 48 56.7074 W





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 Access Constraints: The United States Government Luresh...
 Distribution Liability: The data represents the results of data...
 Accuracy: The data represents the results of data...
 Accuracy: The data represents the results of data...

Chart Date:	Dec 22, 2021
Surveyed By:	KEVIN P. ARNETT LT. COLONEL, C.E., DISTRICT ENGINEER
Plotted By:	PDT
Designed By:	PDT
Checked By:	PDT
Drawn By:	PDT



Feet
0 400 800 1,200

--- Federal Navigation Channel	▨ Cable Area	■ Shoaling Area	— Contours
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	— -35
..... Cable Submarine	▭ Anchorage Area	⊥ Beacon, General	— -34
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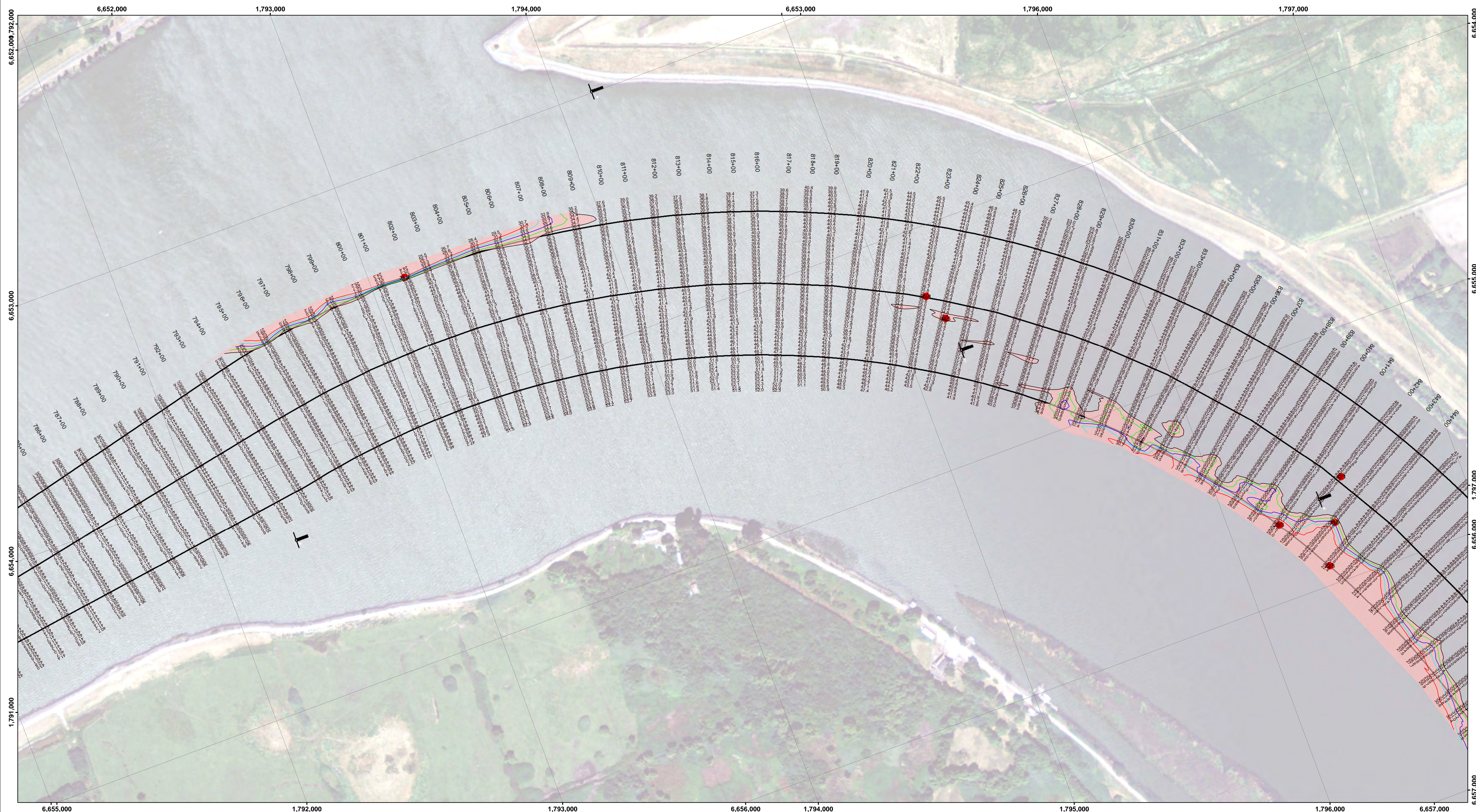
LOCATION: PORT OF STOCKTON
 NOAA STATION: 941 4867
 BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
 TIDE GAUGE:
 NAIL @ 10.0 FT MLLW
 LAT: 37 55 44.62 N
 LONG: 121 19 40.74 W

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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

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

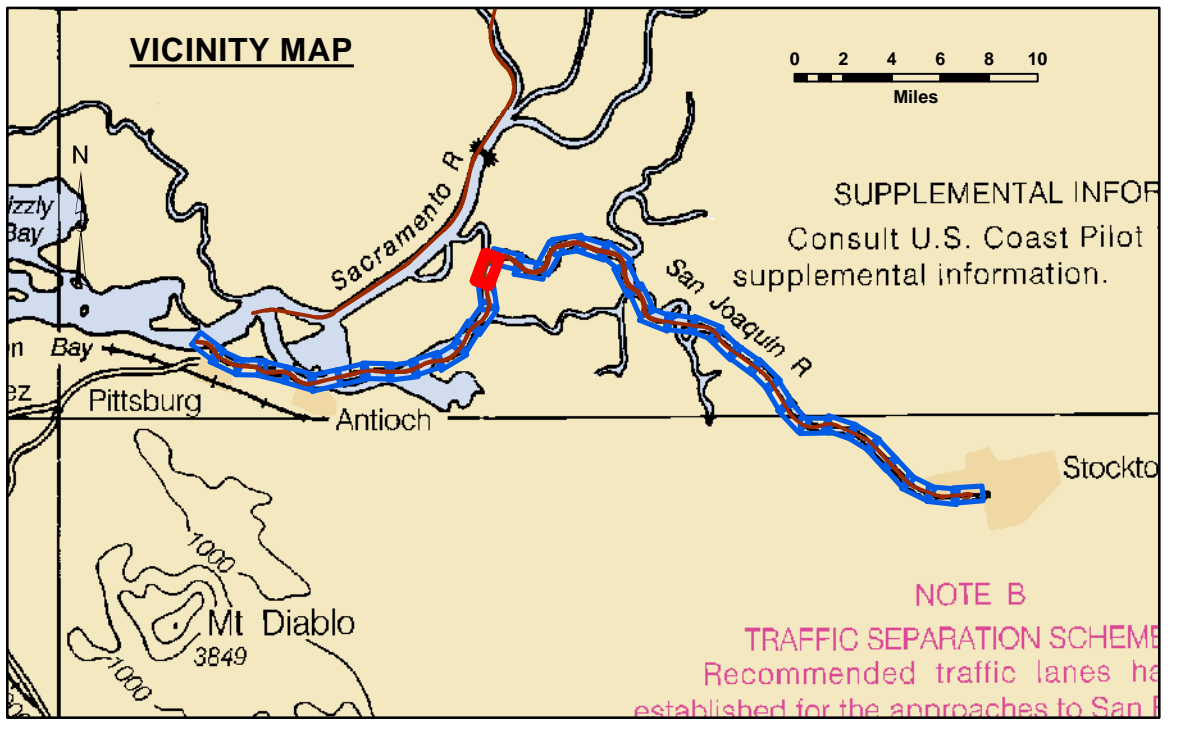
CALIFORNIA
 SAN JOAQUIN COUNTY
STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021

Sheet Reference Number
14 of 39



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Prepared Under the Direction of KEVIN P. ARNETT LT Colonel, C.E. District Engineer	Chart Date: Dec 22, 2021
Subproject: Hydro Survey Team Leader	Designed by: _____
Recommended: Chief, Hydro Survey Section	Plotted by: PDT
Approved: Chief, Construction Branch	Checked by: PDT
	Drawn by: PDT



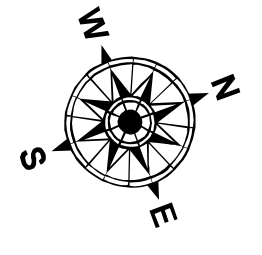
Feet
0 400 800 1,200

LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	— -35	— -31
— Federal Navigation Center Line	□ Placement Area	— -34	— -32
⋯ Cable Submarine	⊠ Anchorage Area	— -33	— -31
- - - Cable Overhead	⊗ Obstruction Point		
— Contour Line	✦ Wrecks-Submerged		
	● Shoalest Sounding**		
	⊥ 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.
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

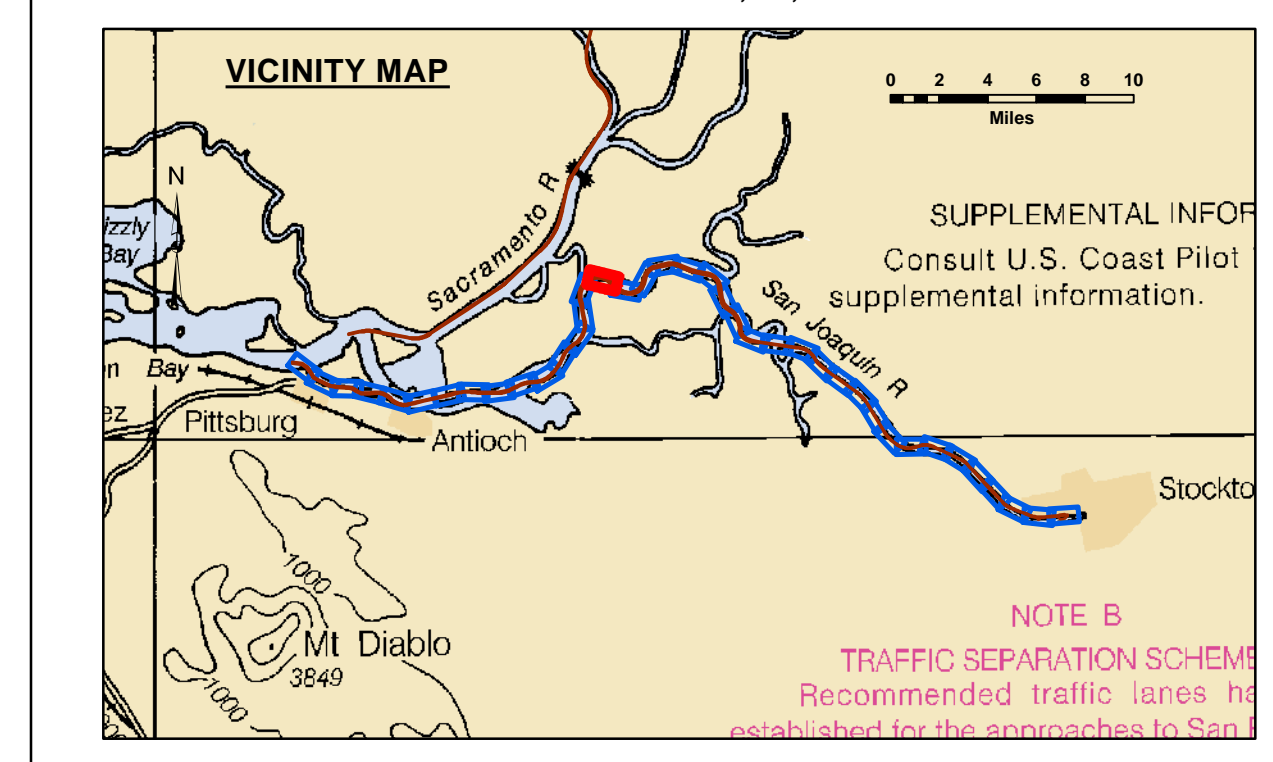
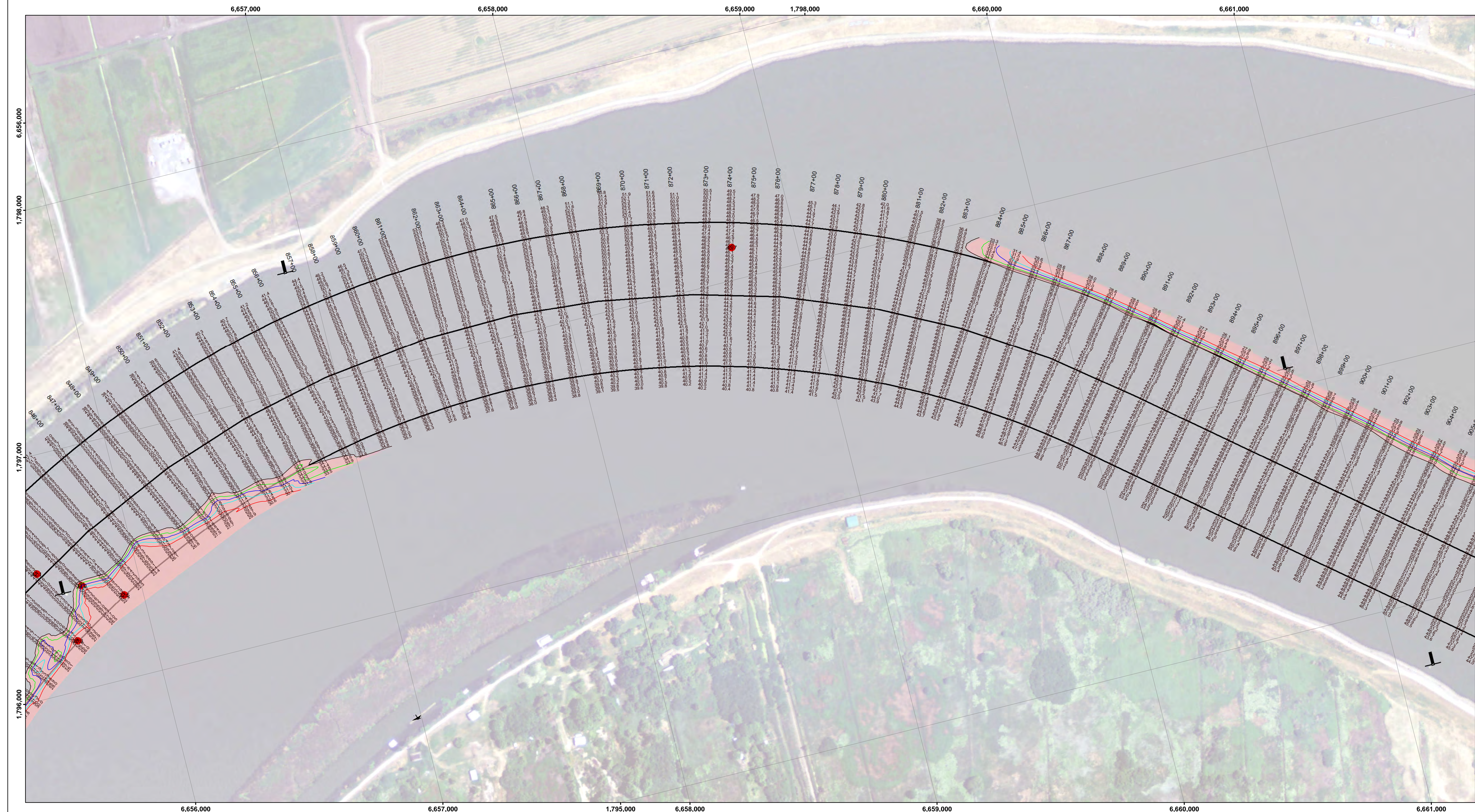
LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

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



CALIFORNIA
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

SAN JOAQUIN COUNTY
Sheet Reference Number
15 of 39



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

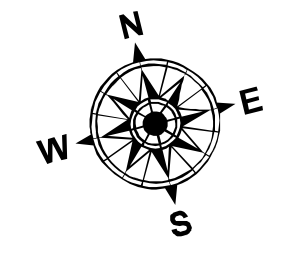
Contours	
—	-35
—	-34
—	-33
—	-32
—	-31

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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

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



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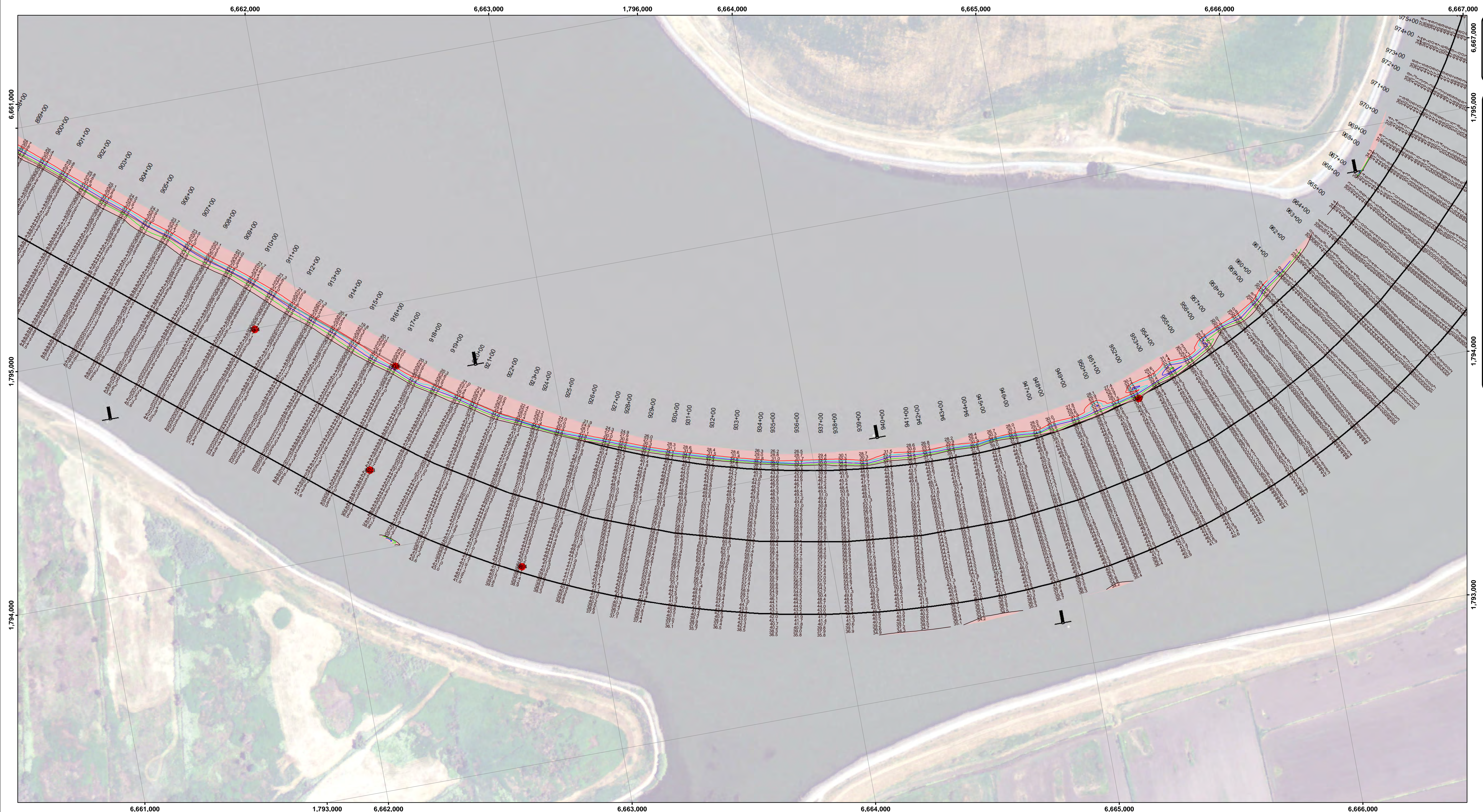
Access Constraints: The United States Government Lend Lease Act, as amended, provides for the use of the data for other than its intended purpose. The user is responsible for the results of any application of the data for other than its intended purpose.

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Chart Date:	Dec 22, 2021
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	PDT
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch

CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
16 of 39



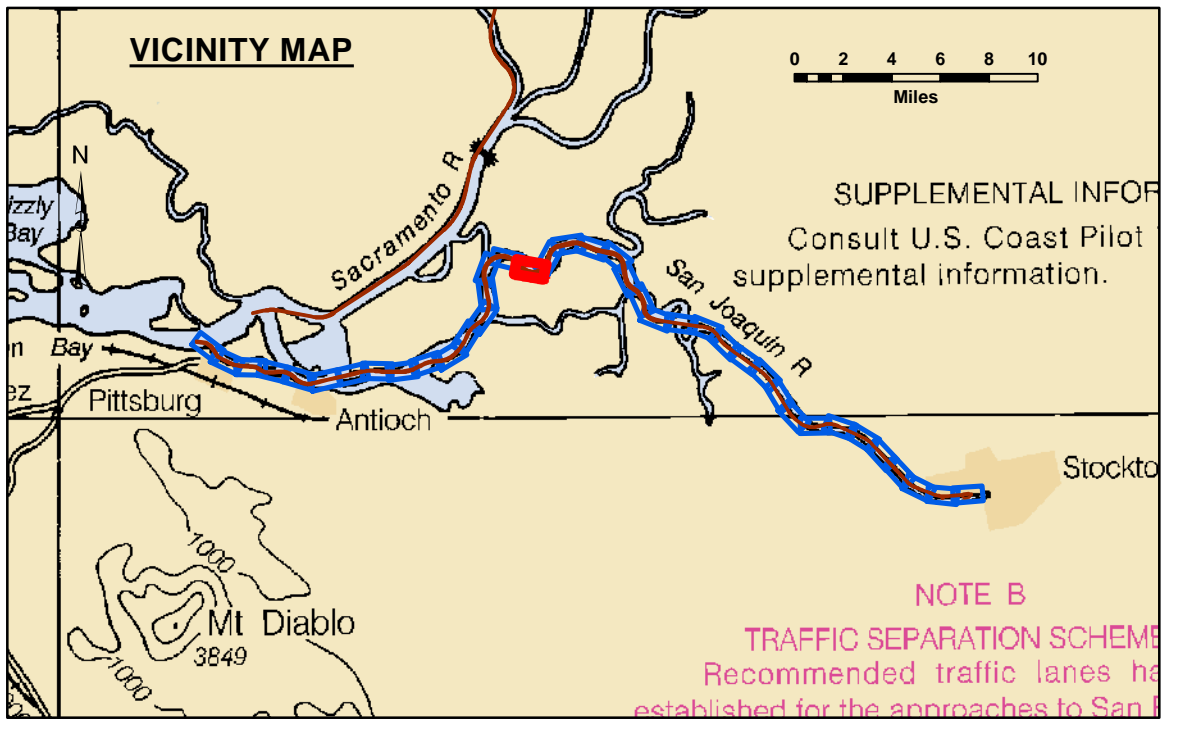
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Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Chart Date:	Dec 22, 2021
Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
Designed by:	PDT
Checked By:	PDT
Drawn by:	PDT

PREPARED UNDER THE DIRECTION OF
KEVIN P. ARNETT
 LT. COLONEL, C.E., DISTRICT ENGINEER
 Submittal: Hydro Survey Team Leader
 Recommend: Chief, Hydro Survey Section
 Approval: Chief, Construction Branch



0 400 800 1,200
Feet

LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	— -35	— -31
— Federal Navigation Center Line	□ Placement Area	— -34	— -32
⋯ Cable Submarine	⊠ Anchorage Area	— -33	
- - - Cable Overhead	⊗ Obstruction Point		
— Contour Line	✶ Wrecks-Submerged		
	● Shoalest Sounding**		
	⊥ Beacon, General		
	◆ Red Navigation Buoy		
	◆ Green Navigation Buoy		

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

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

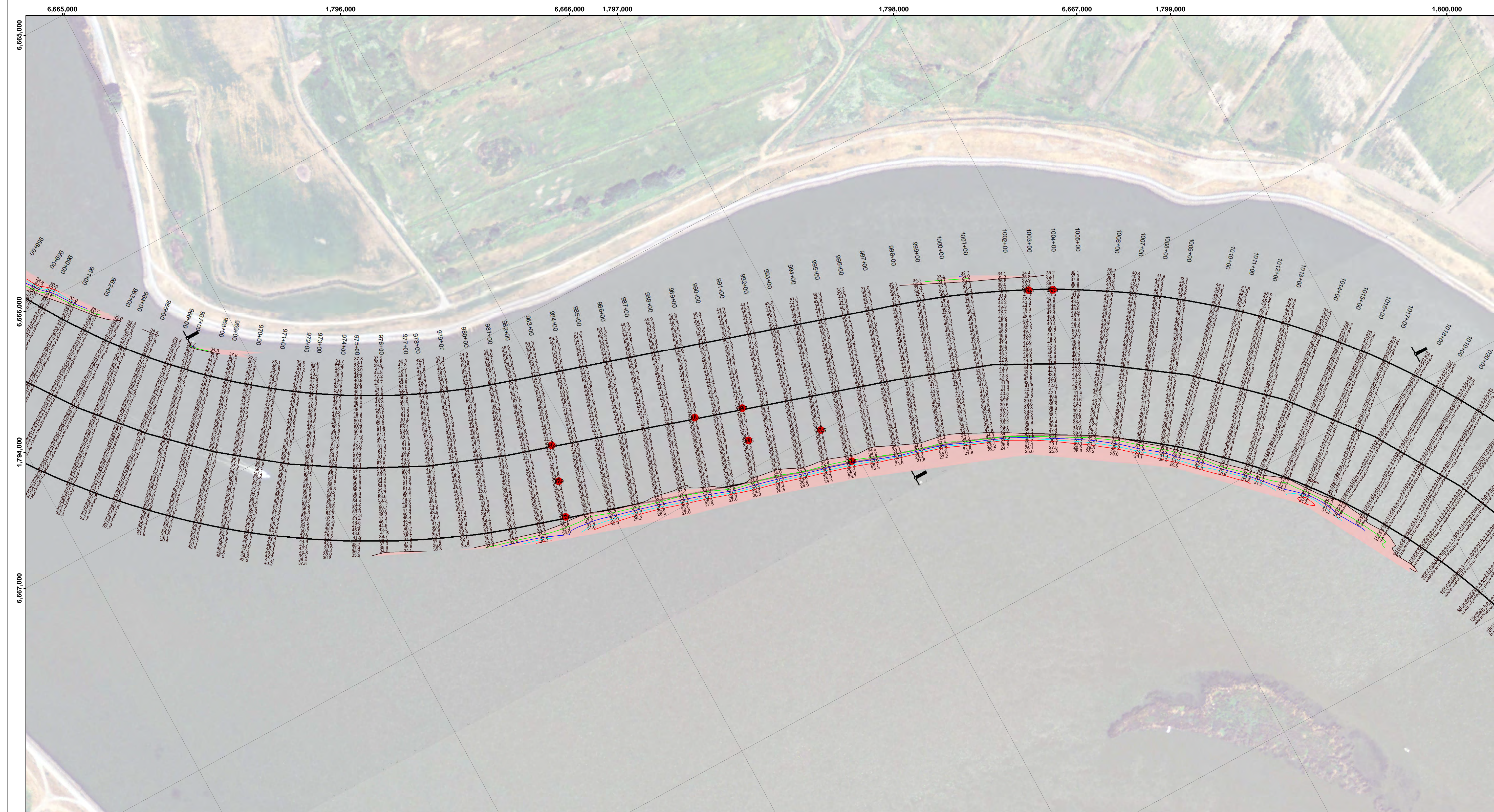
CONTROLS:
 LOCATION: ANTIOCH
 NOAA STATION: 941 5064
 BENCHMARK: 5064-F (No PID)
 TIDE GAUGE:
 Nail @ 10.15 FT MLLW
 LAT: 38 01 6.9393 N
 LONG: 121 48 56.7074 W

CALIFORNIA

SAN JOAQUIN COUNTY

STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021

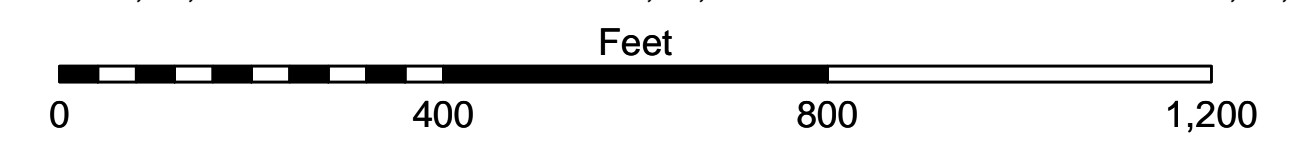
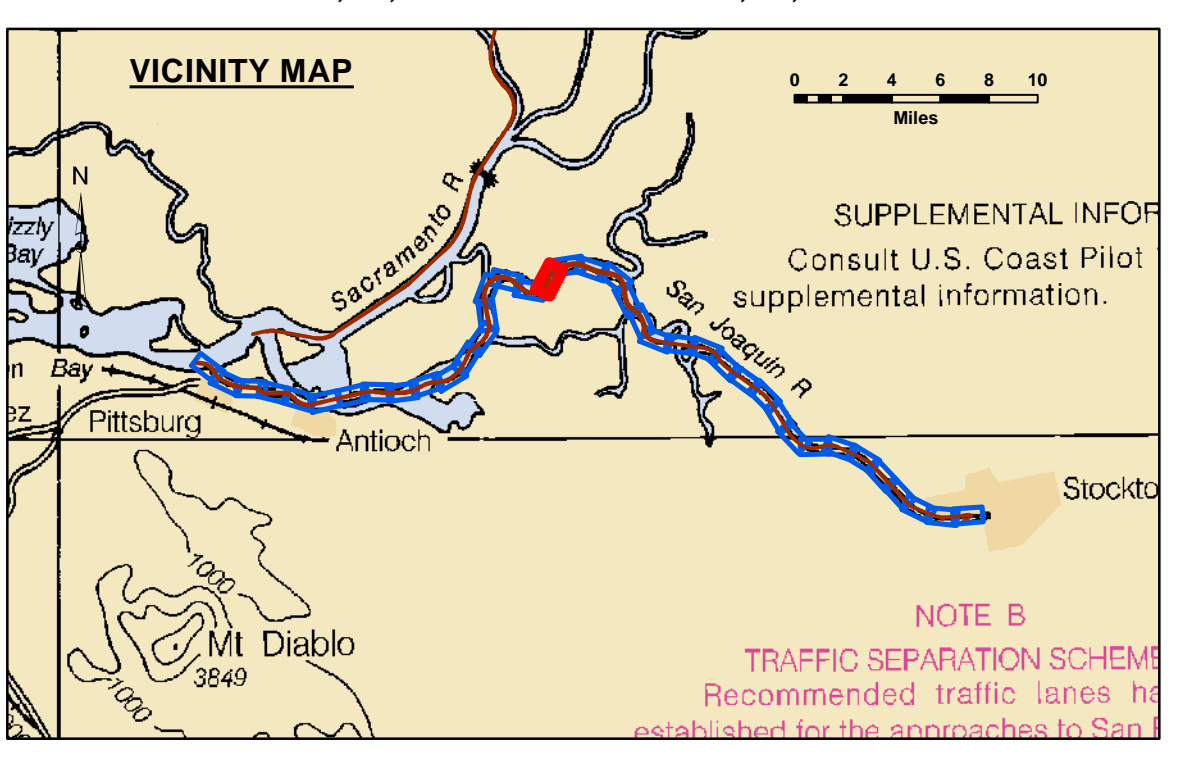
Sheet Reference Number
17 of 39



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Chart Date:	Dec 22, 2021
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	PDT
Plotted By:	PDT
Checked By:	PDT

CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021



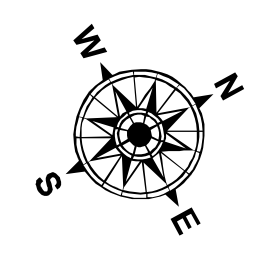
LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	— -35	
— Federal Navigation Center Line	□ Placement Area	— -34	
..... Cable Submarine	▨ Anchorage Area	— -33	
- - - Cable Overhead	⊗ Obstruction Point	— -32	
— Contour Line	✦ Wrecks-Submerged	— -31	
	● Shoalest Sounding**		
	⊥ Beacon, General		
	◆ Red Navigation Buoy		
	◆ Green Navigation Buoy		

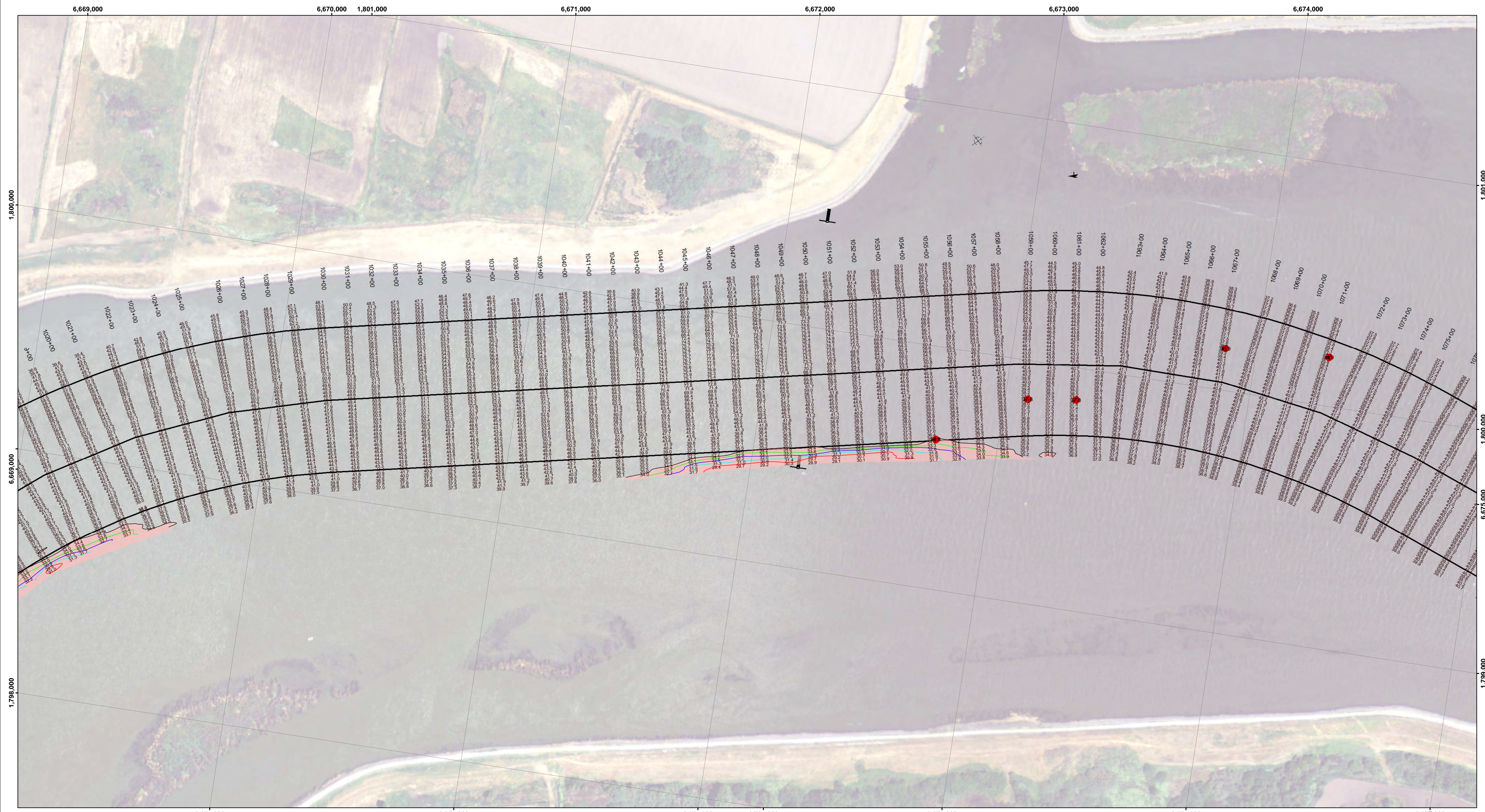
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 PROJECT DEPTH: -35'
 VERTICAL DATUM: MLLW
 THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

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

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



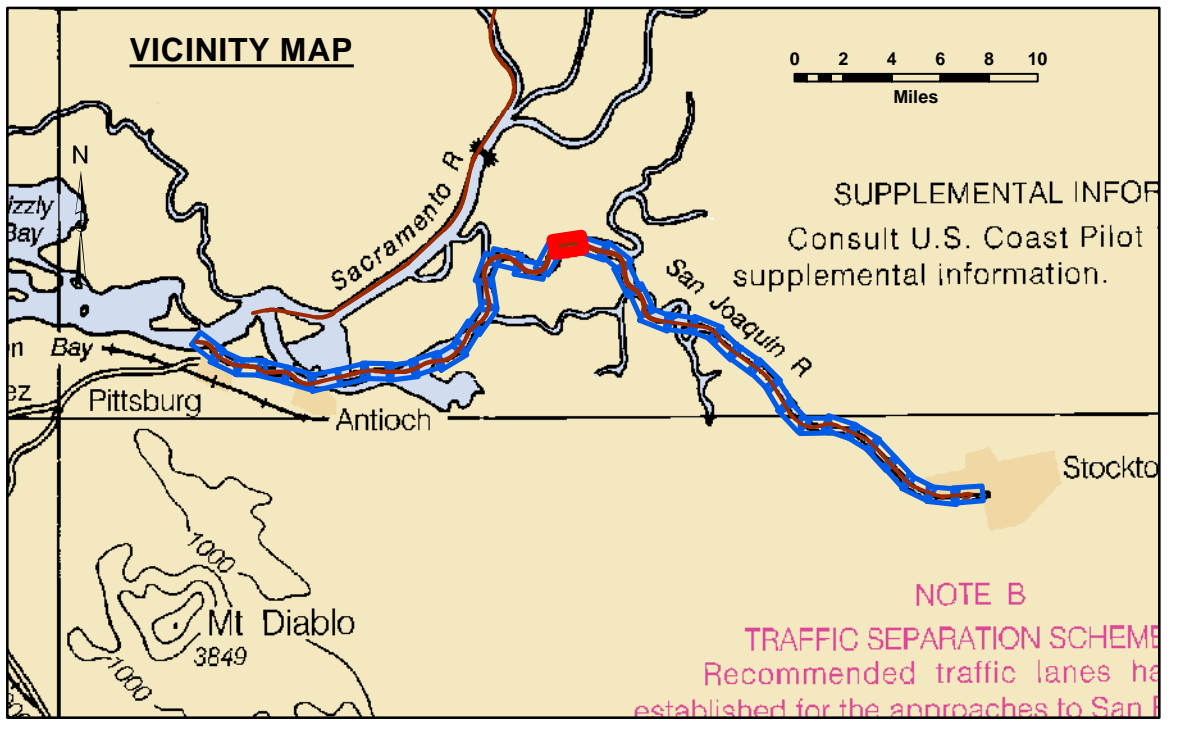


DISCLAIMER: The United States Government Lashes Access Constraints: The United States Government Lashes...
 Distribution Liability: The data represents the results of data collection...
 Accuracy: The user is responsible for the results of any application of the data for other than its intended purpose.

Chart Date:	Dec 22, 2021
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
Checked By:	PDT

SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
19 of 39



LEGEND

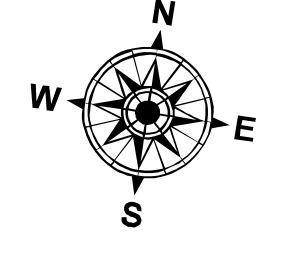
--- Federal Navigation Channel	▨ Cable Area	■ Shoaling Area	— Contours
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	— -35
..... Cable Submarine	▭ Anchorage Area	⊥ Beacon, General	— -34
- - - Cable Overhead	⊗ Obstruction Point	◆ Red Navigation Buoy	— -33
— Contour Line	✦ Wrecks-Submerged	◆ Green Navigation Buoy	— -32
			— -31

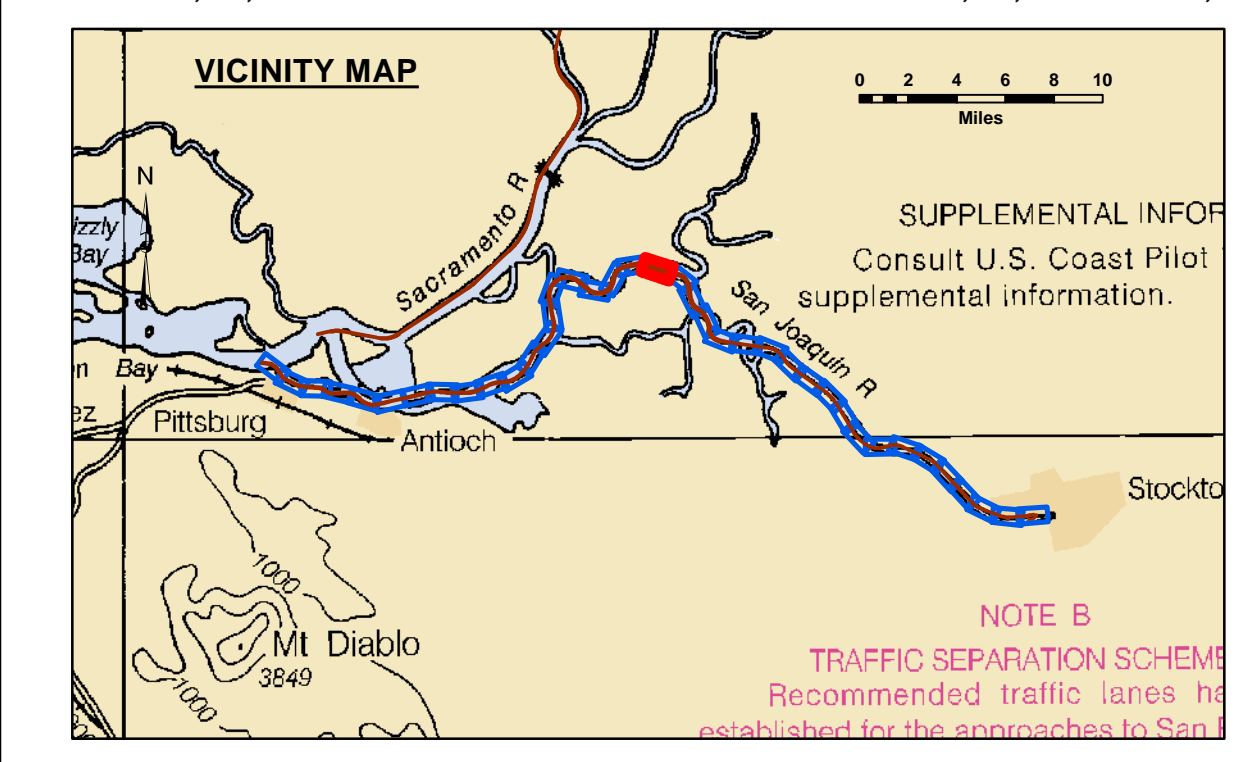
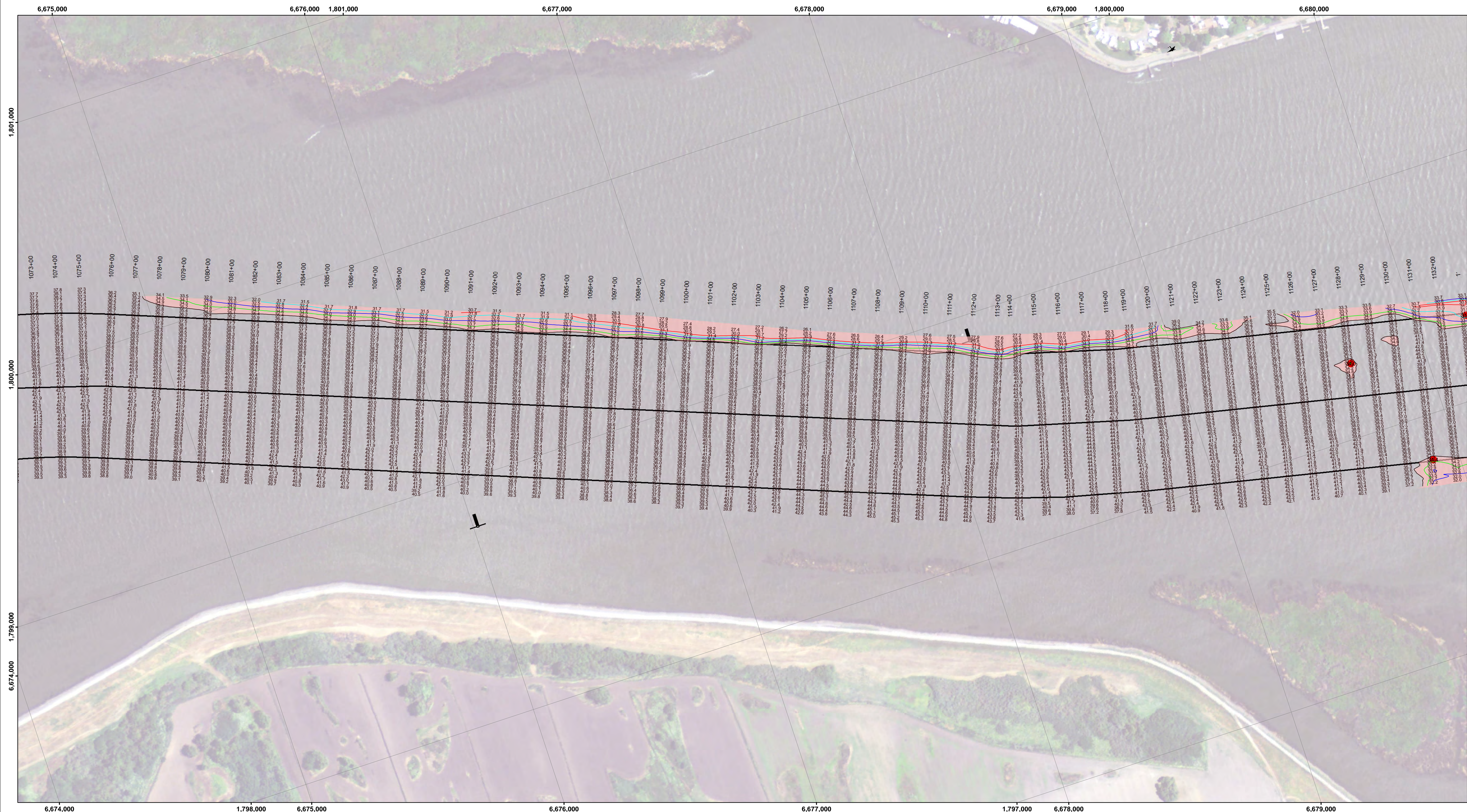
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 PROJECT DEPTH: -35'
 VERTICAL DATUM: MLLW
 THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

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

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





Feet
0 400 800 1,200

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

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0438)
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

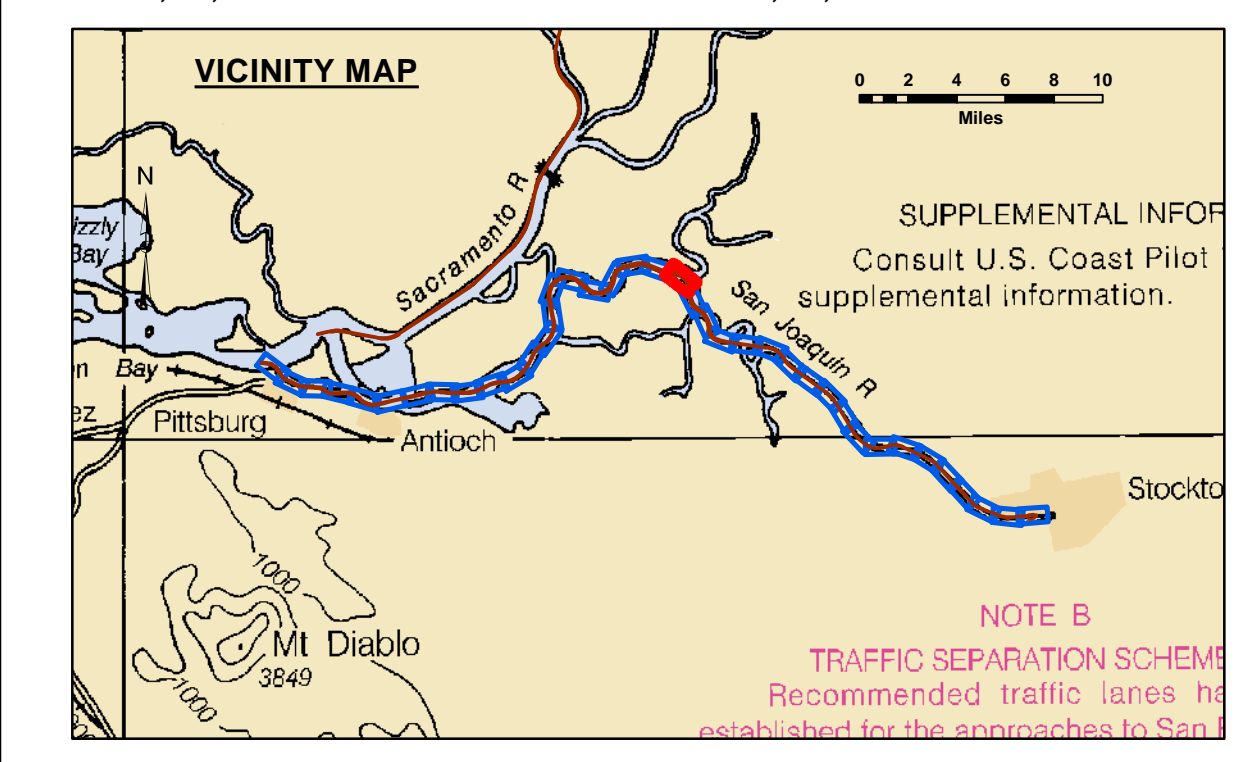
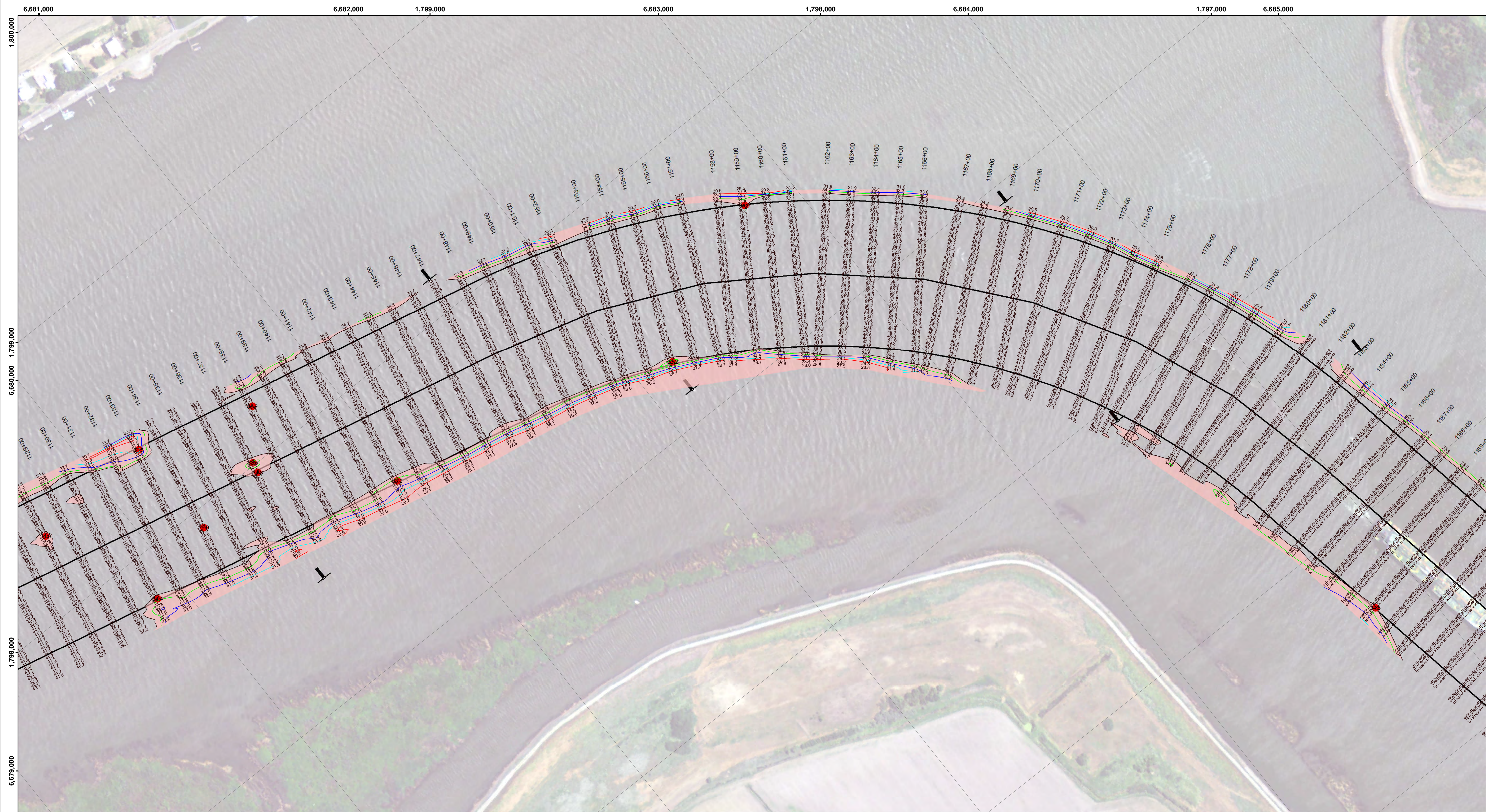
CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
NAIL @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W



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Chart Date:	Dec 22, 2021
Surveyed By:	KEVIN P. ARNETT LT. COLONEL, C.E., DISTRICT ENGINEER
Plotted By:	PDT
Checked By:	PDT
Drawn By:	PDT

CALIFORNIA
SAN JOAQUIN COUNTY
**STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021**



Feet
0 400 800 1,200

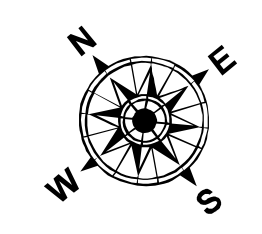
--- Federal Navigation Channel	▨ Cable Area	■ Shoaling Area	— Contours
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	— -35
..... Cable Submarine	⊠ Anchorage Area	⬇ Beacon, General	— -34
- - - Cable Overhead	⊗ Obstruction Point	◆ Red Navigation Buoy	— -33
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NOAA 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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CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
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TIDE GAUGE:
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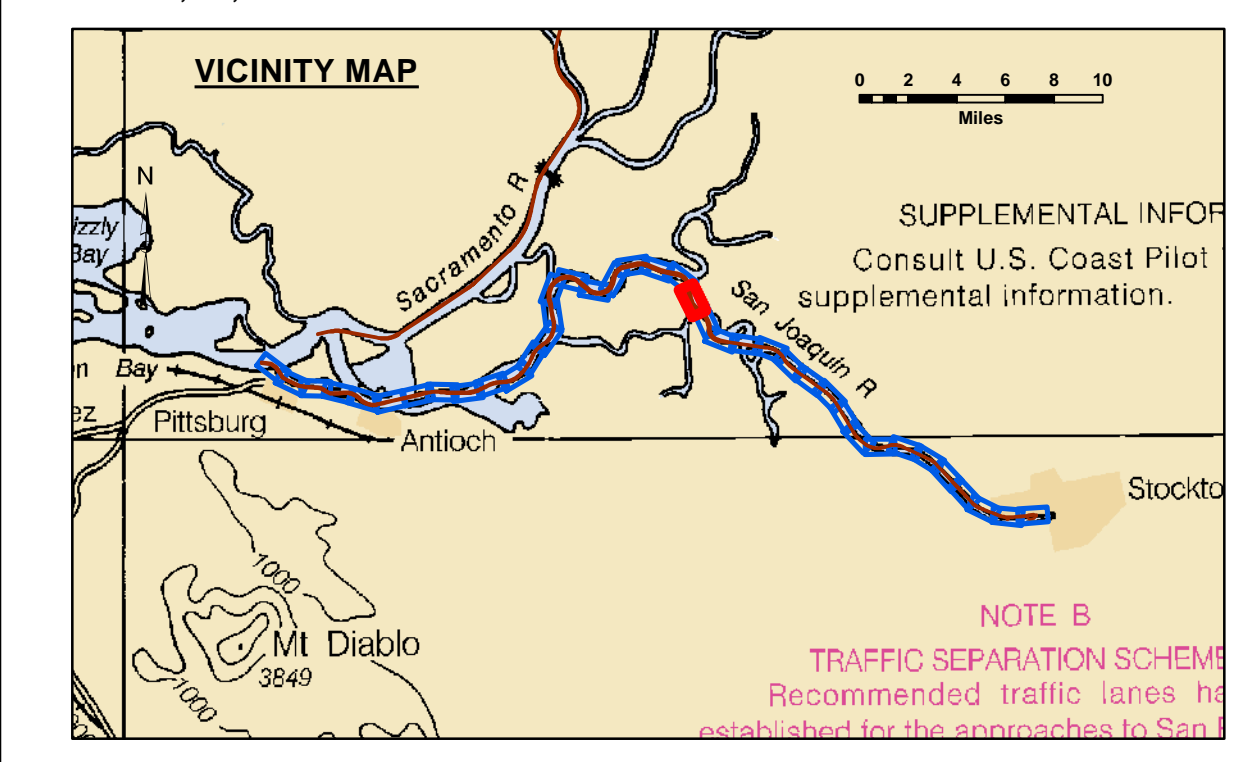
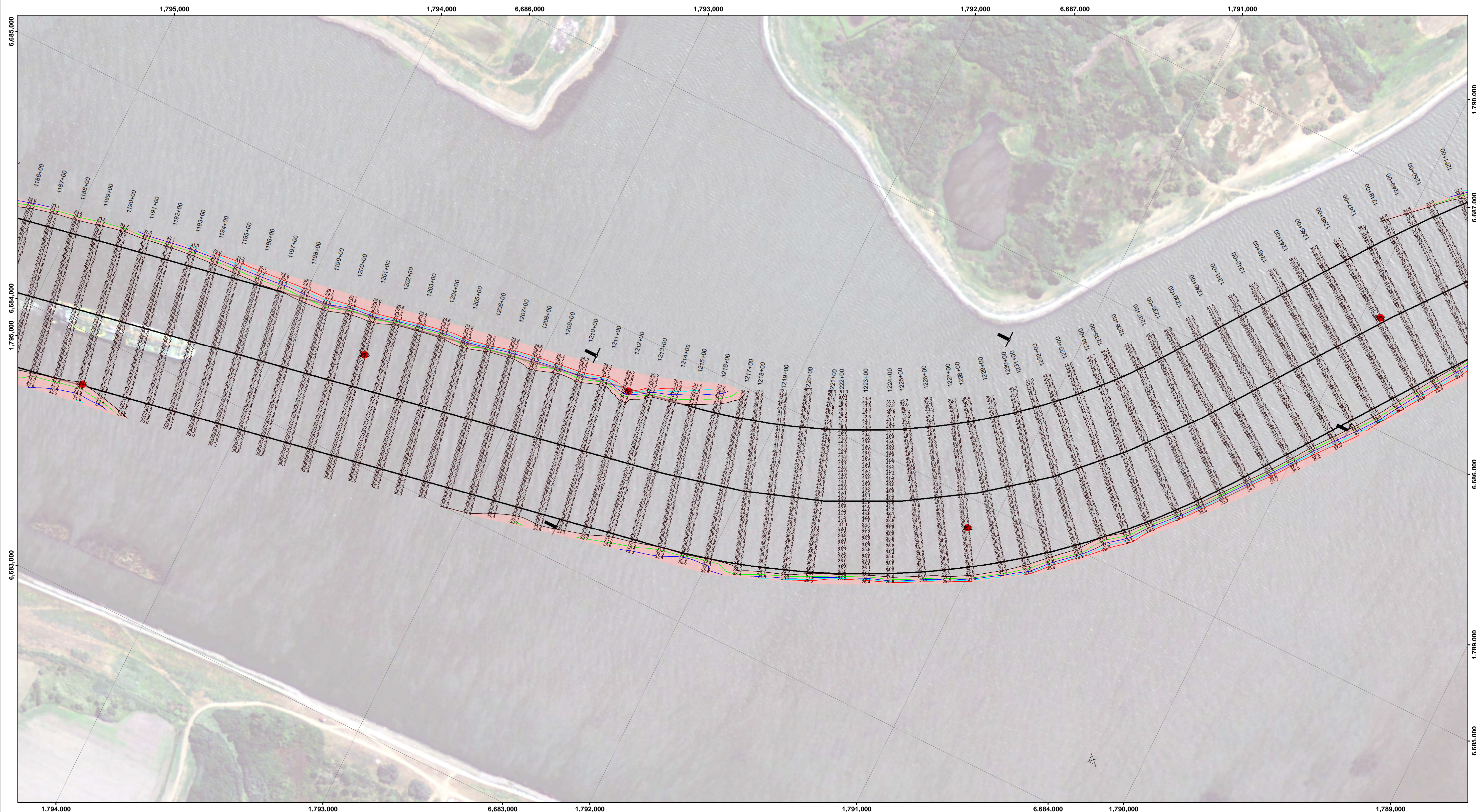


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Prepared Under the Direction of KEVIN P. ARNETT LT Colonel, C.E. District Engineer	Chart Date: Dec 22, 2021
Submittal: Hydro Survey Team Leader	Designed by: PDT
Recommendation: Chief, Hydro Survey Section	Checked by: PDT
Approval: Chief, Construction Branch	Drawn by: PDT

CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
21 of 39



Feet
0 400 800 1,200

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

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LONG: 121 48 56.7074 W

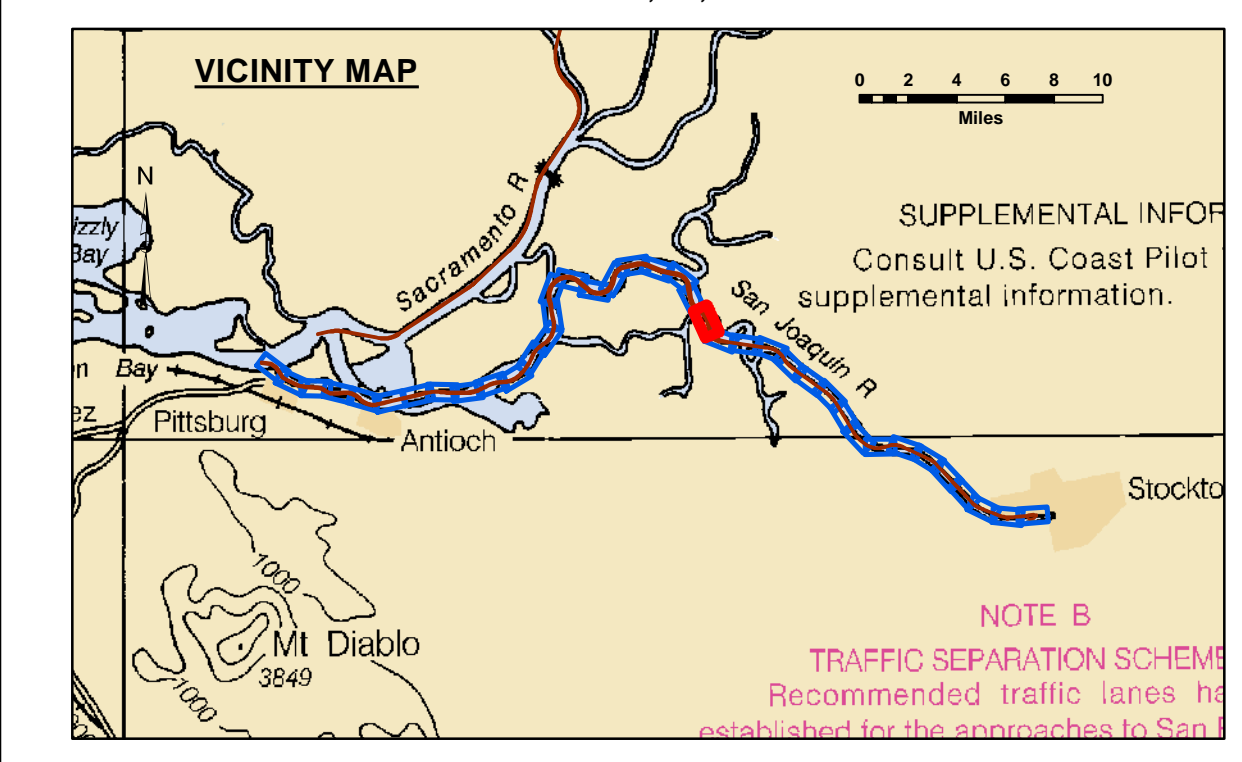
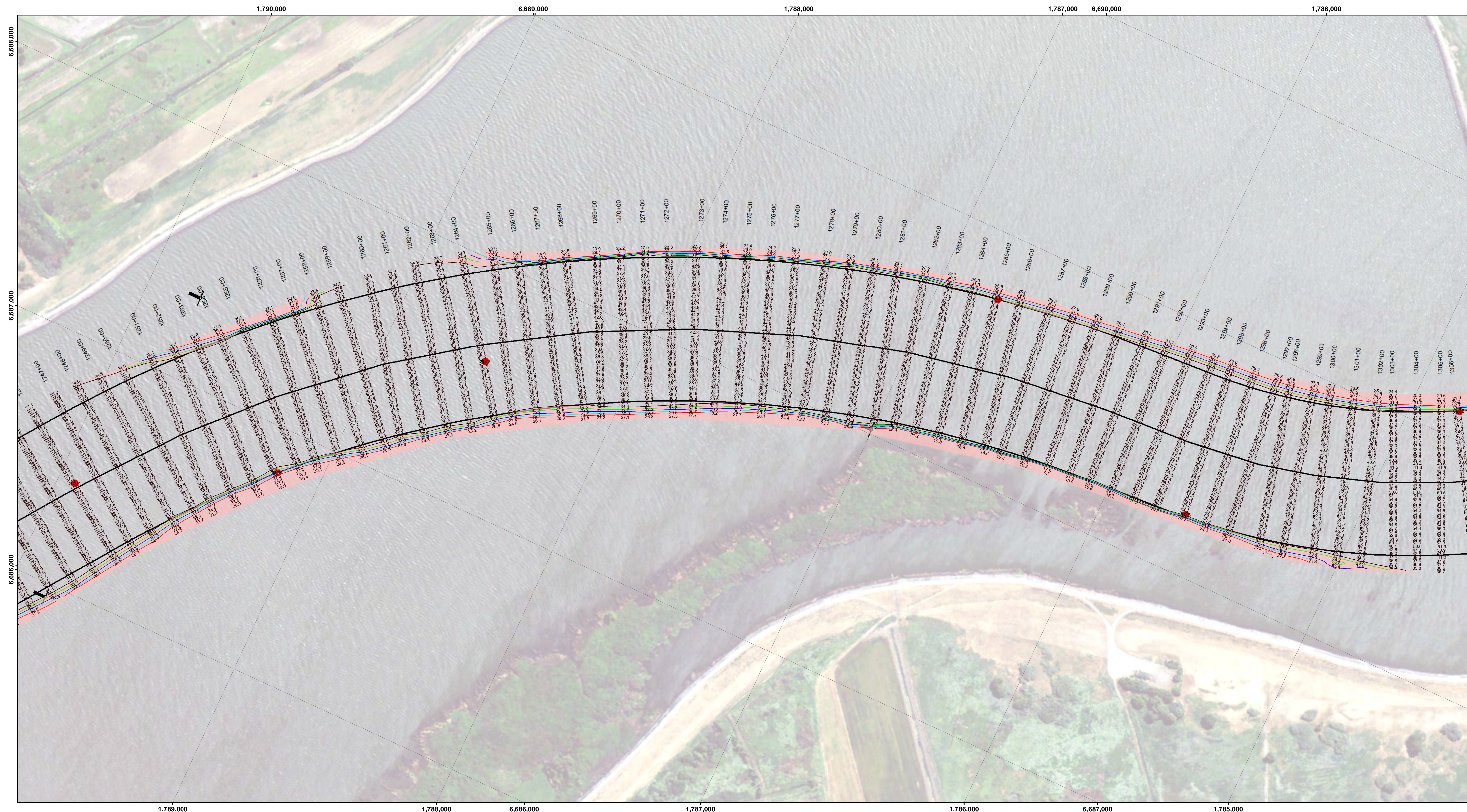


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Chart Date:	Dec 22, 2021
Designed by:	PDT
Drawn by:	PDT
Checked by:	PDT
Approved:	Chief, Construction Branch
Surveyed By:	KEVIN P. ARNETT LT. COLONEL, C.E., DISTRICT ENGINEER
Plotted By:	PDT
Checked By:	PDT
Drawn By:	PDT

CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
22 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:
 DRAWING NOT TO BE USED FOR NAVIGATION. ONLY CHANNEL CONDITION AT DATE OF SURVEY.
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 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

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

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

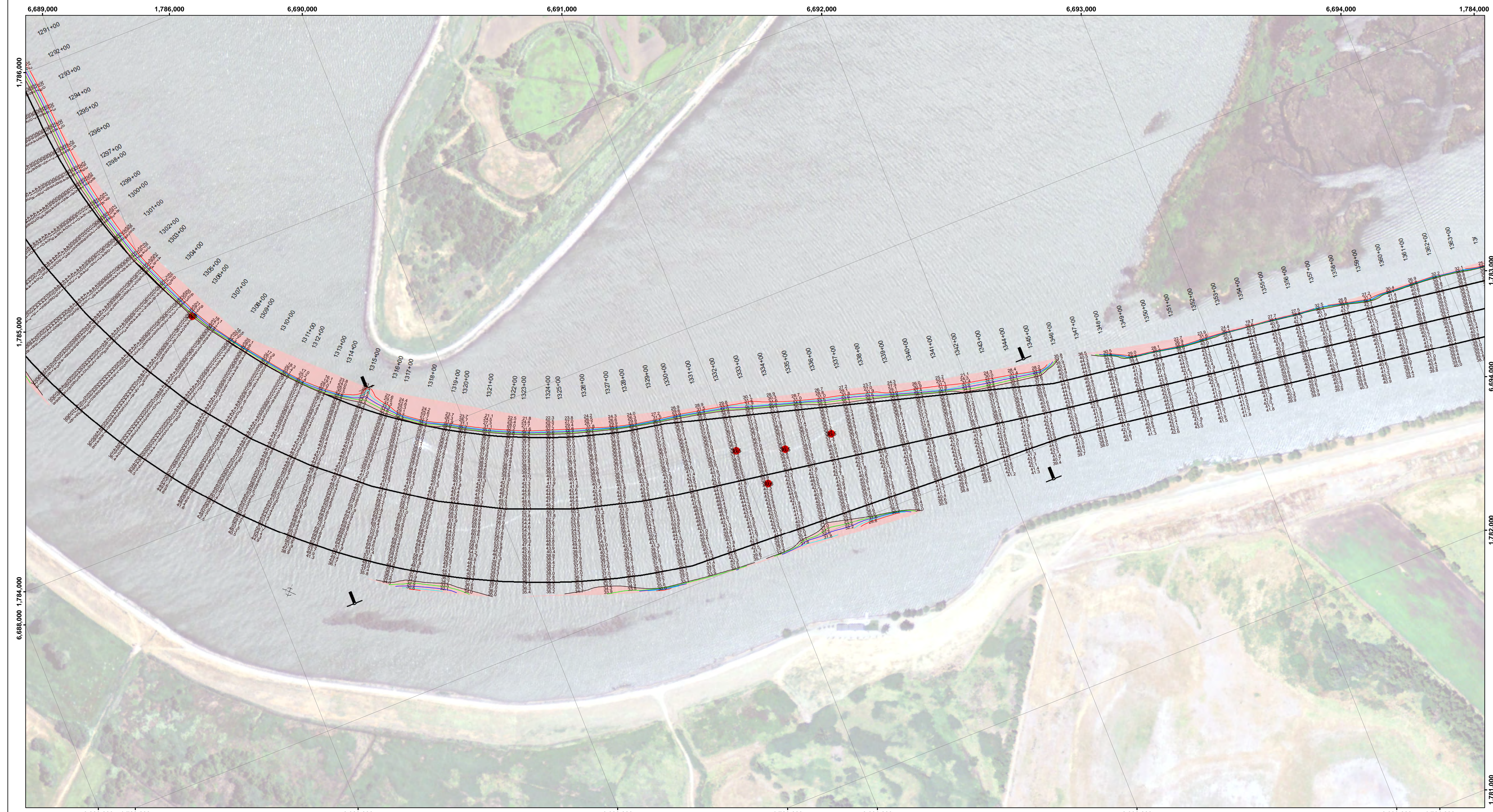


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Chart Date:	Dec 22, 2021
Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
Designed By:	PDT
Checked By:	PDT
Drawn By:	PDT

CALIFORNIA
 SAN JOAQUIN COUNTY
STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021

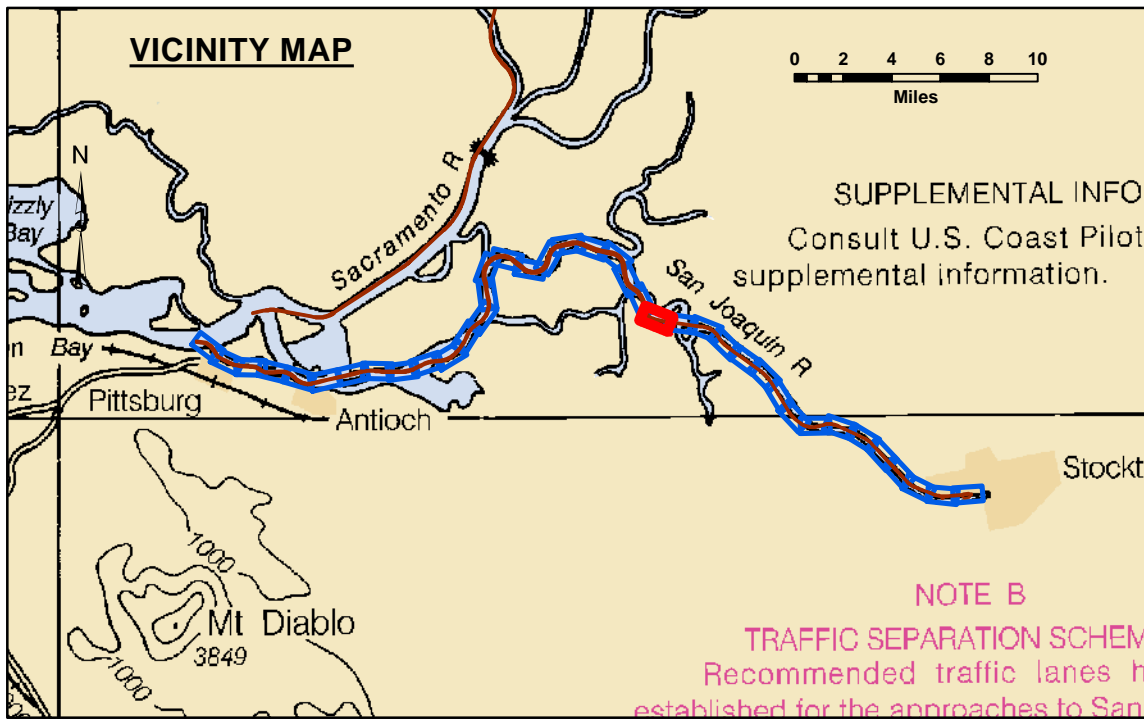
Sheet Reference Number
 23 of 39



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Prepared Under the Direction of KEVIN P. ARNETT LT Colonel, C.E. District Engineer	Chart Date: Dec 22, 2021
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Checked by: PDT
Approved: Chief, Construction Branch	Drawn by: PDT

CALIFORNIA
STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021
 SAN JOAQUIN COUNTY



LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	— -35	
— Federal Navigation Center Line	□ Placement Area	— -34	
⋯ Cable Submarine	⊠ Anchorage Area	— -33	
- - - Cable Overhead	⊗ Obstruction Point	— -32	
— Contour Line	✦ Wrecks-Submerged	— -31	
			● Shoalest Sounding**
			⊥ Beacon, General
			◆ Red Navigation Buoy
			◆ Green Navigation Buoy

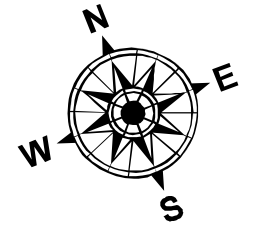


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 PROJECT DEPTH: -35'
 VERTICAL DATUM: MLLW
 THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

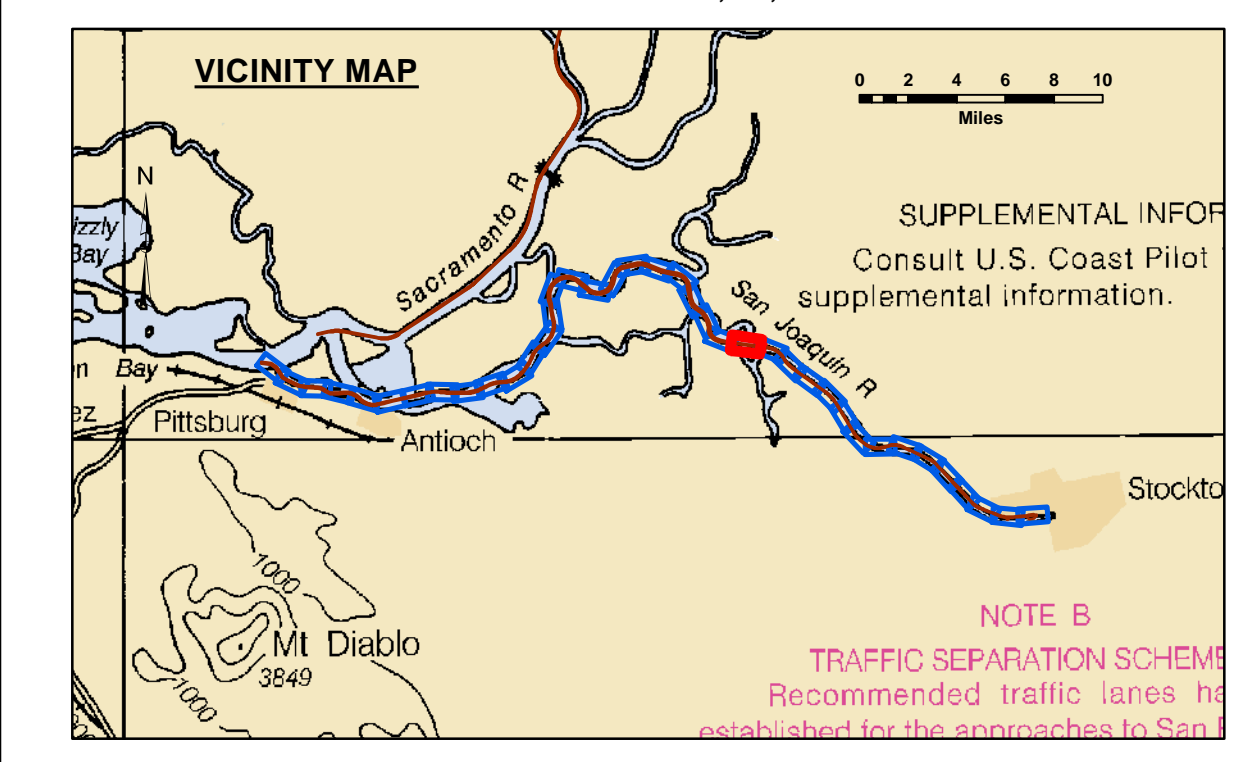
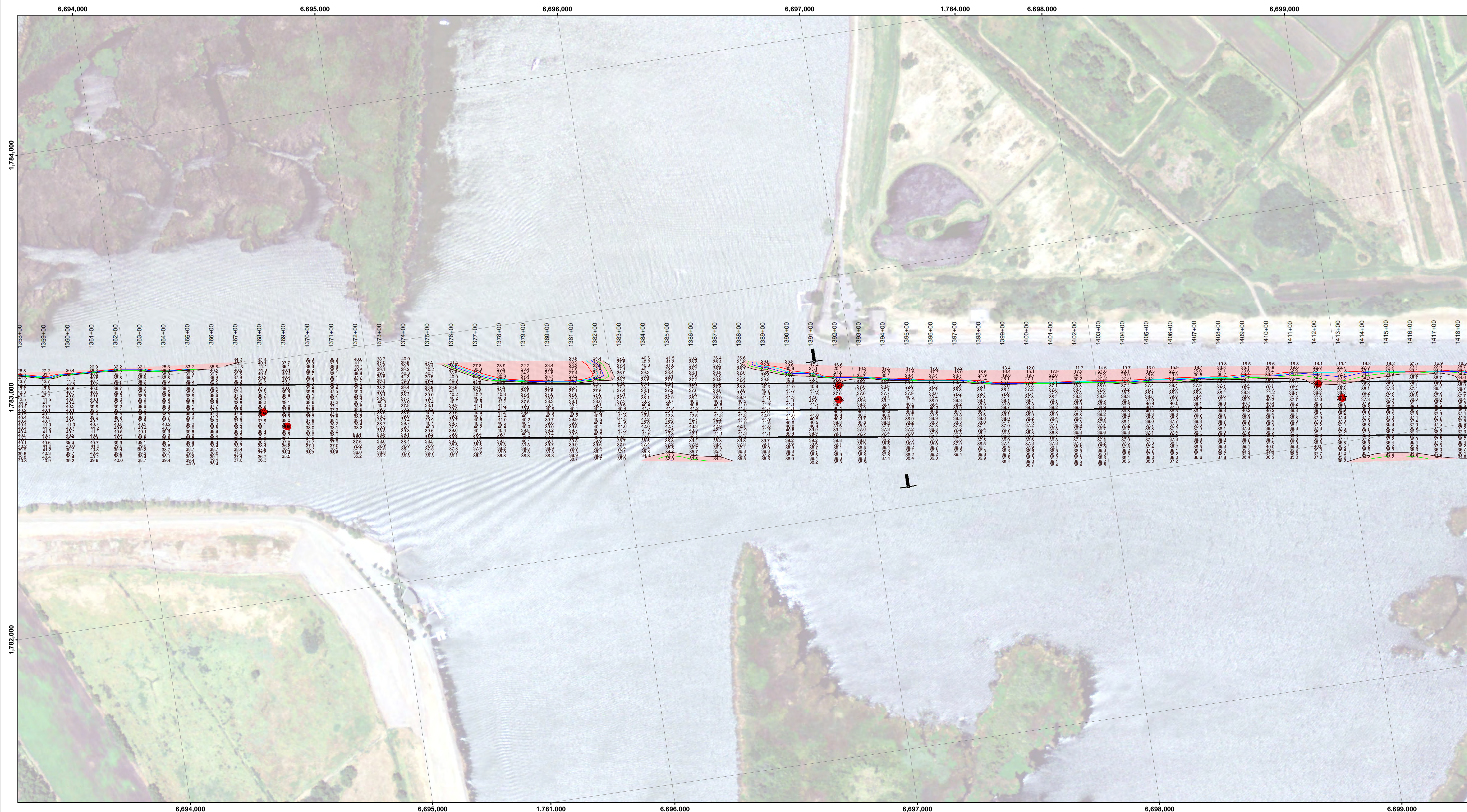
LOCATION: PORT OF STOCKTON
 NOAA STATION: 941 4867
 BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
 TIDE GAUGE:
 NAILED @ 10.0 FT MLLW
 LAT: 37 55 44.62 N
 LONG: 121 19 40.74 W

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

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



Sheet Reference Number
24 of 39



Feet
0 400 800 1,200

--- 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

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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

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

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

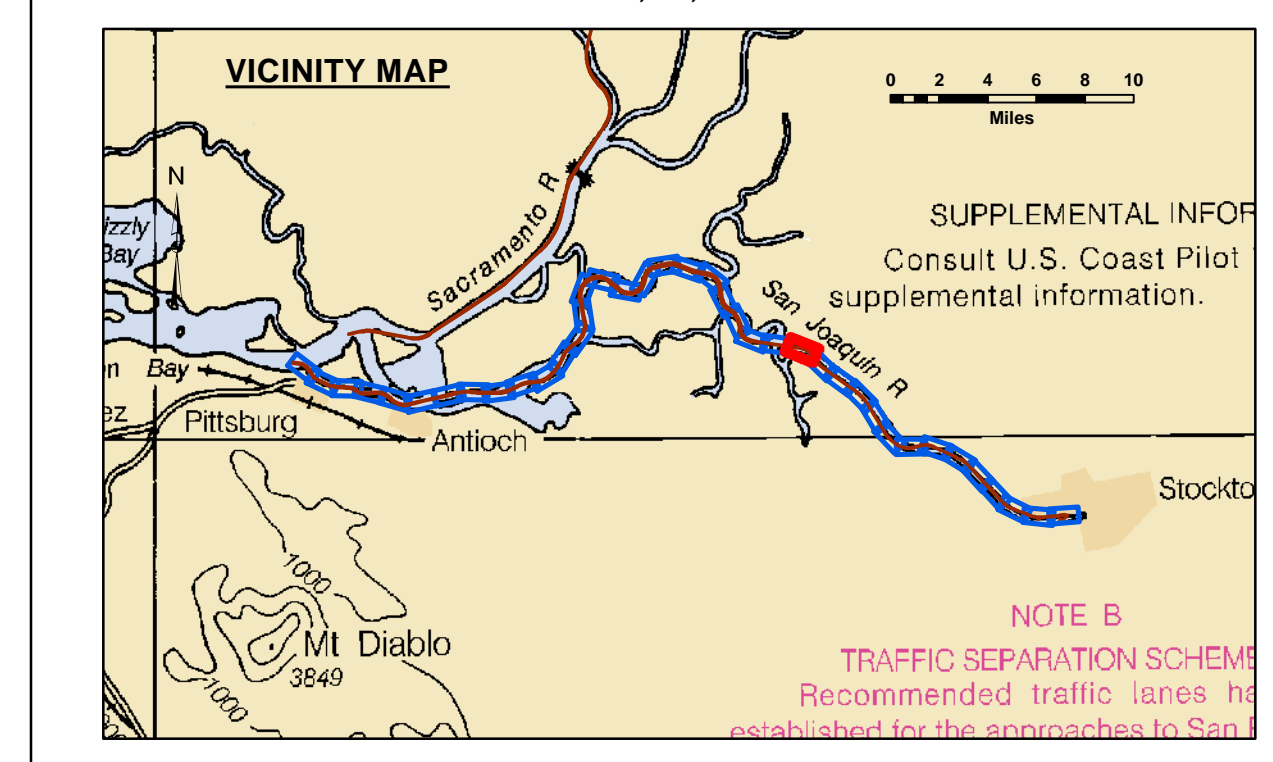
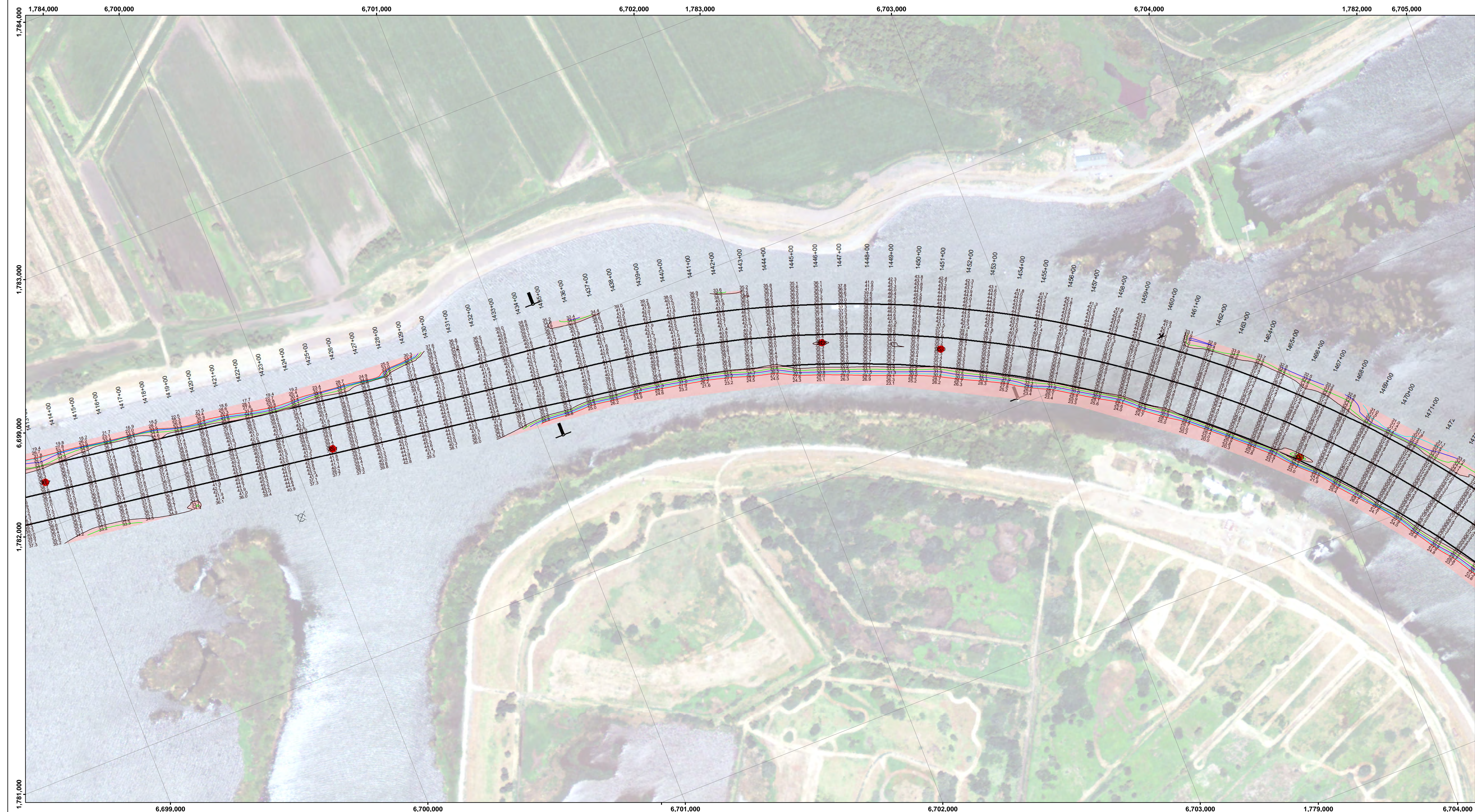


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Chart Date:	Dec 22, 2021
Prepared Under the Direction of:	KEVIN P. ARNETT
Subproject:	Hydro Survey Team Leader
Recommended:	Chief, Hydro Survey Section
Approved:	Chief, Construction Branch
Surveyed By:	PDT
Plotted By:	PDT
Checked By:	PDT
Drawn By:	PDT

CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
25 of 39



Feet
0 400 800 1,200

LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	— -35	
— Federal Navigation Center Line	□ Placement Area	— -34	
⋯ Cable Submarine	⊠ Anchorage Area	— -33	
- - - Cable Overhead	⊗ Obstruction Point	— -32	
— Contour Line	✦ Wrecks-Submerged	— -31	
	● Shoaling Area		
	● Shoalest Sounding**		
	⊥ Beacon, General		
	◆ Red Navigation Buoy		
	◆ Green Navigation Buoy		

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

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

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

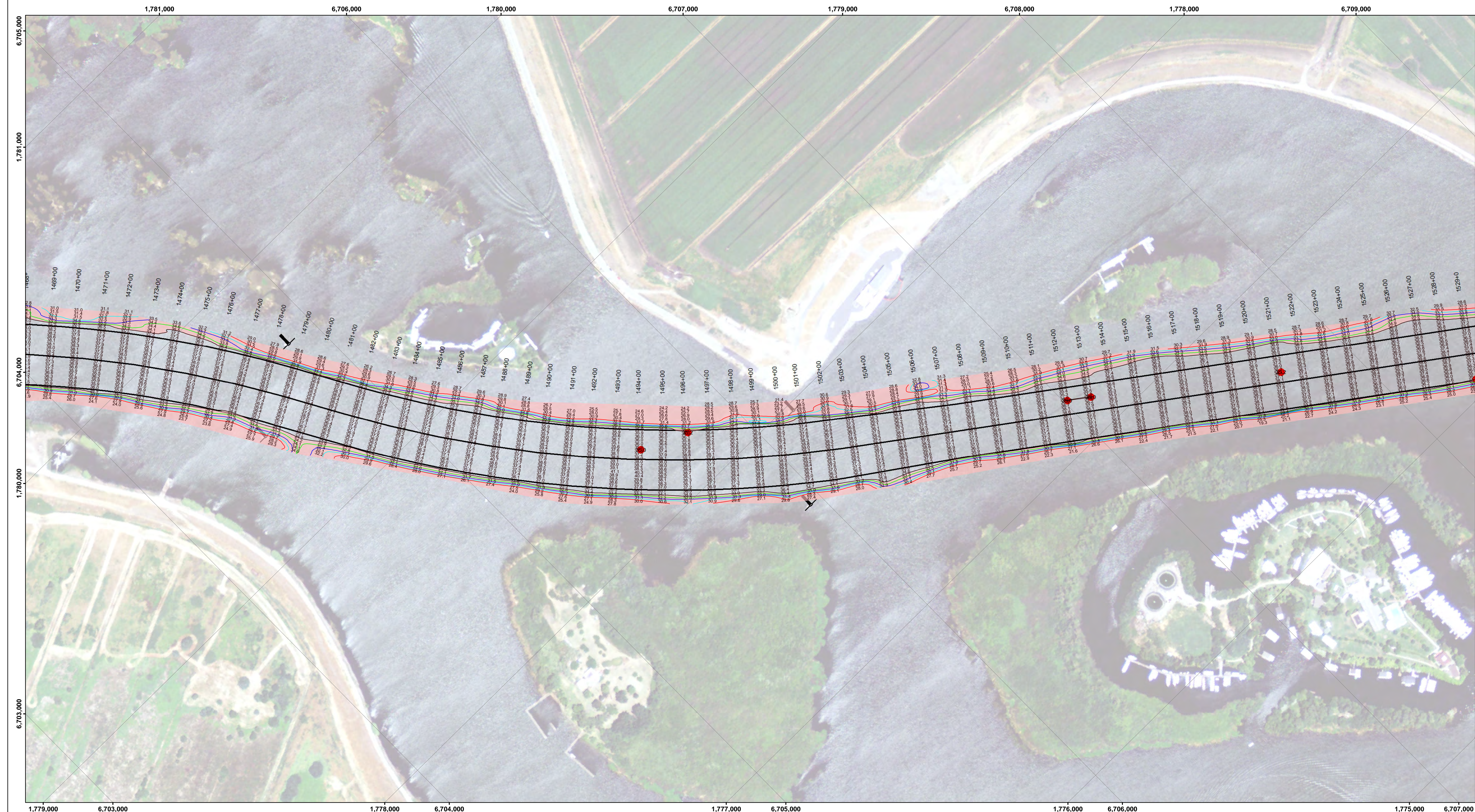


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Chart Date:	Dec 22, 2021
Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
Designed By:	PDT
Checked By:	PDT
Drawn By:	PDT

CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
26 of 39



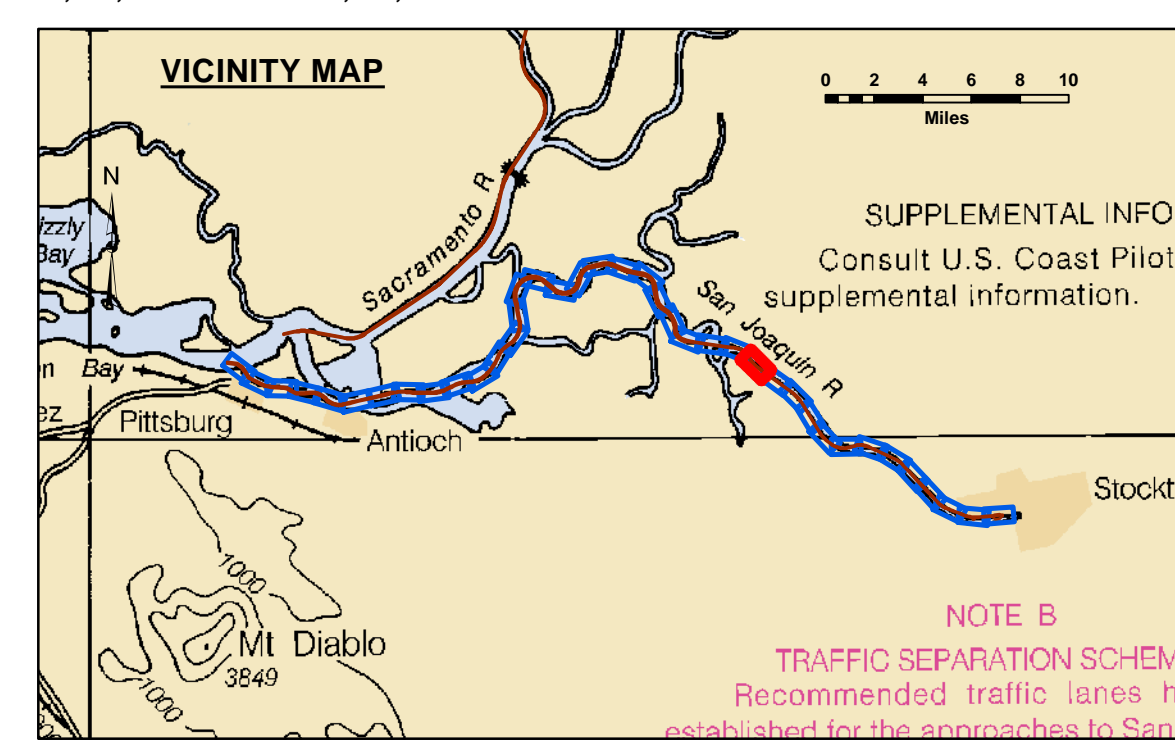
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Chart Date:	Dec 22, 2021
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch

CALIFORNIA
STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021

Sheet Reference Number
27 of 39



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

Contours	
—	-35
—	-34
—	-33
—	-32
—	-31

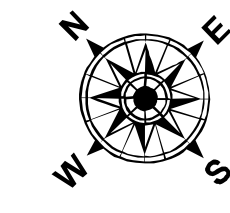


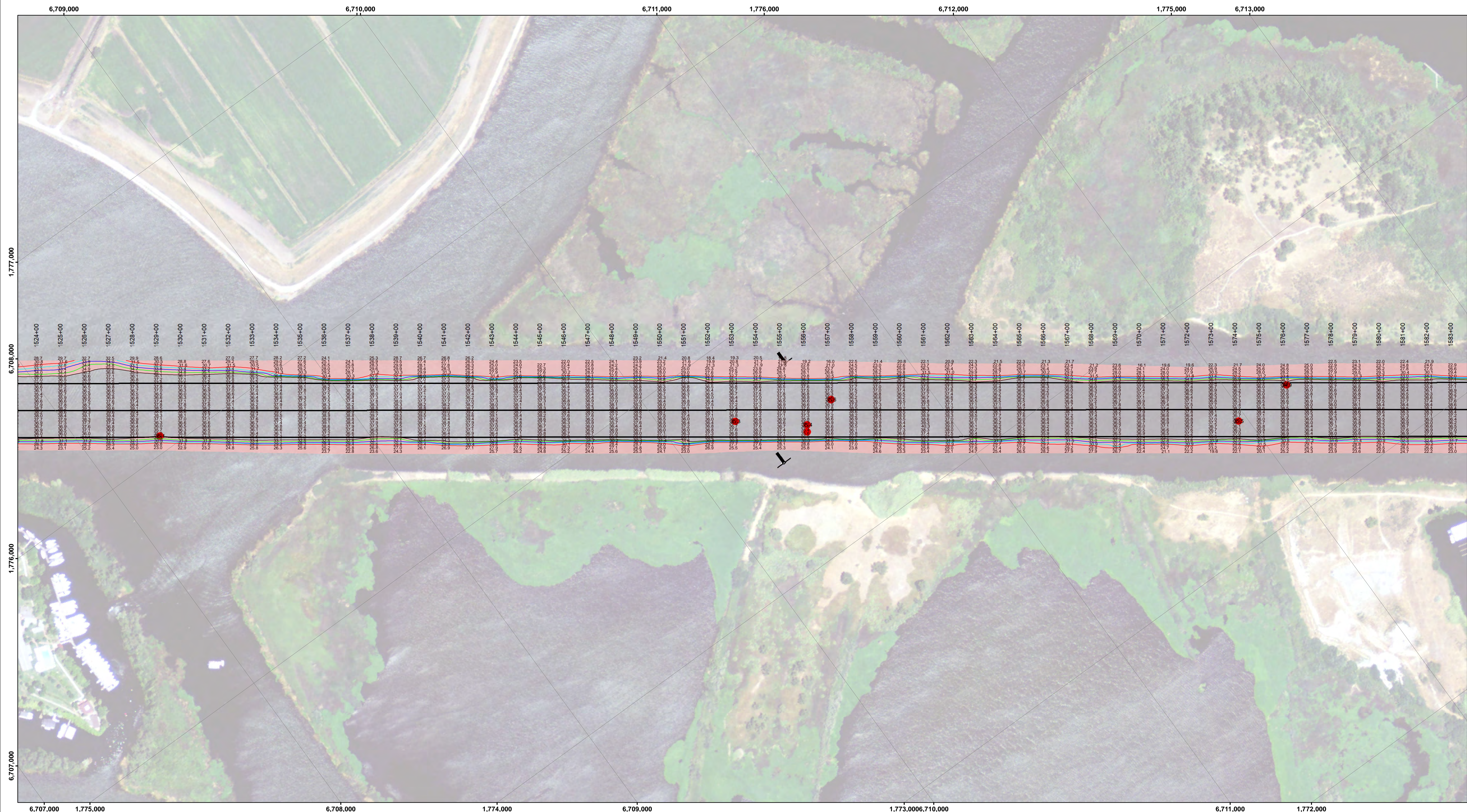
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 PROJECT DEPTH: -35'
 VERTICAL DATUM: MLLW
 THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

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

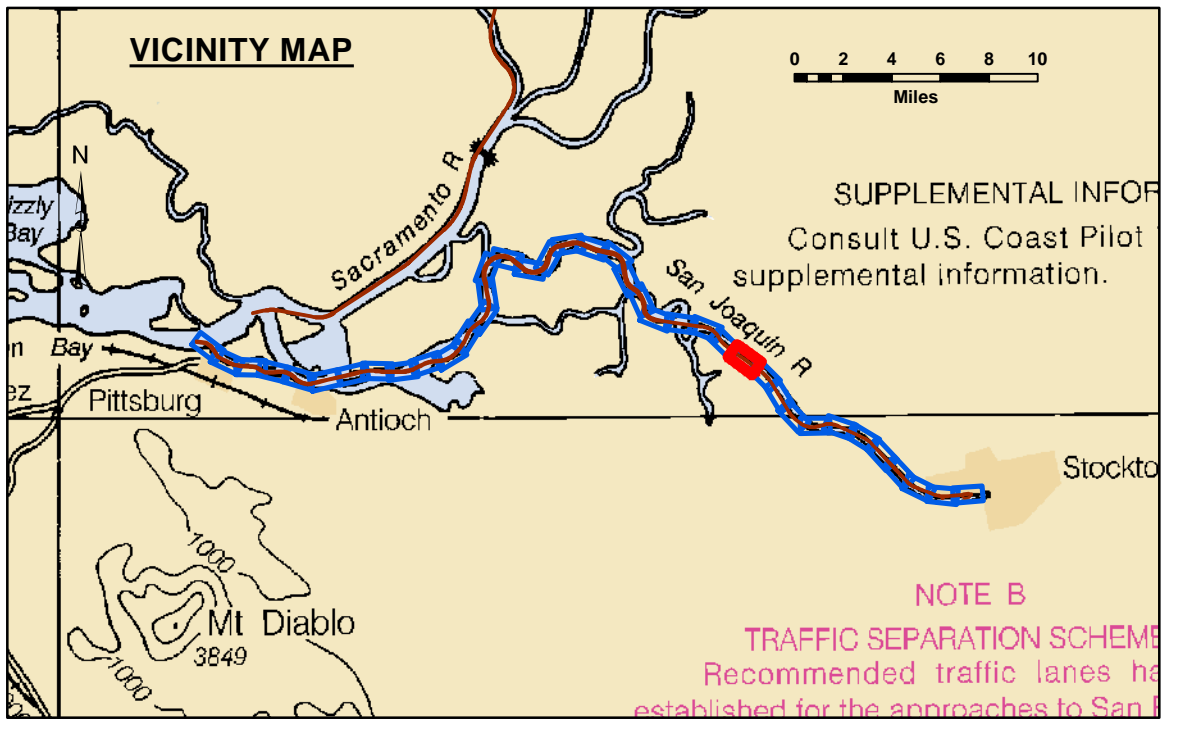
CONTROLS:
 LOCATION: ANTIOCH
 NOAA STATION: 941 5064
 BENCHMARK: 5064-F (No PID)
 TIDE GAUGE:
 NAIL @ 10.15 FT MLLW
 LAT: 38 01 6.9393 N
 LONG: 121 48 56.7074 W





DISCLAIMER: The data represents the results of data collection for a specific US Army Corps of Engineers project. The user is responsible for the results and accuracy of the data. The user is responsible for the results and accuracy of the data. The user is responsible for the results and accuracy of the data.

Chart Date:	Dec 22, 2021
Prepared Under the Direction of:	KEVIN P. ARNETT
Subproject:	Hydro Survey Team Leader
Recommended:	Chief, Hydro Survey Section
Approved:	Chief, Construction Branch
Surveyed By:	PDT
Plotted By:	PDT
Checked By:	PDT
Drawn By:	PDT



0 400 800 1,200 Feet

LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	▨ Shoaling Area	— -35
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	— -34
⋯ Cable Submarine	▭ Anchorage Area	⊥ Beacon, General	— -33
- - - Cable Overhead	⊗ Obstruction Point	◆ Red Navigation Buoy	— -32
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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

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0438)
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
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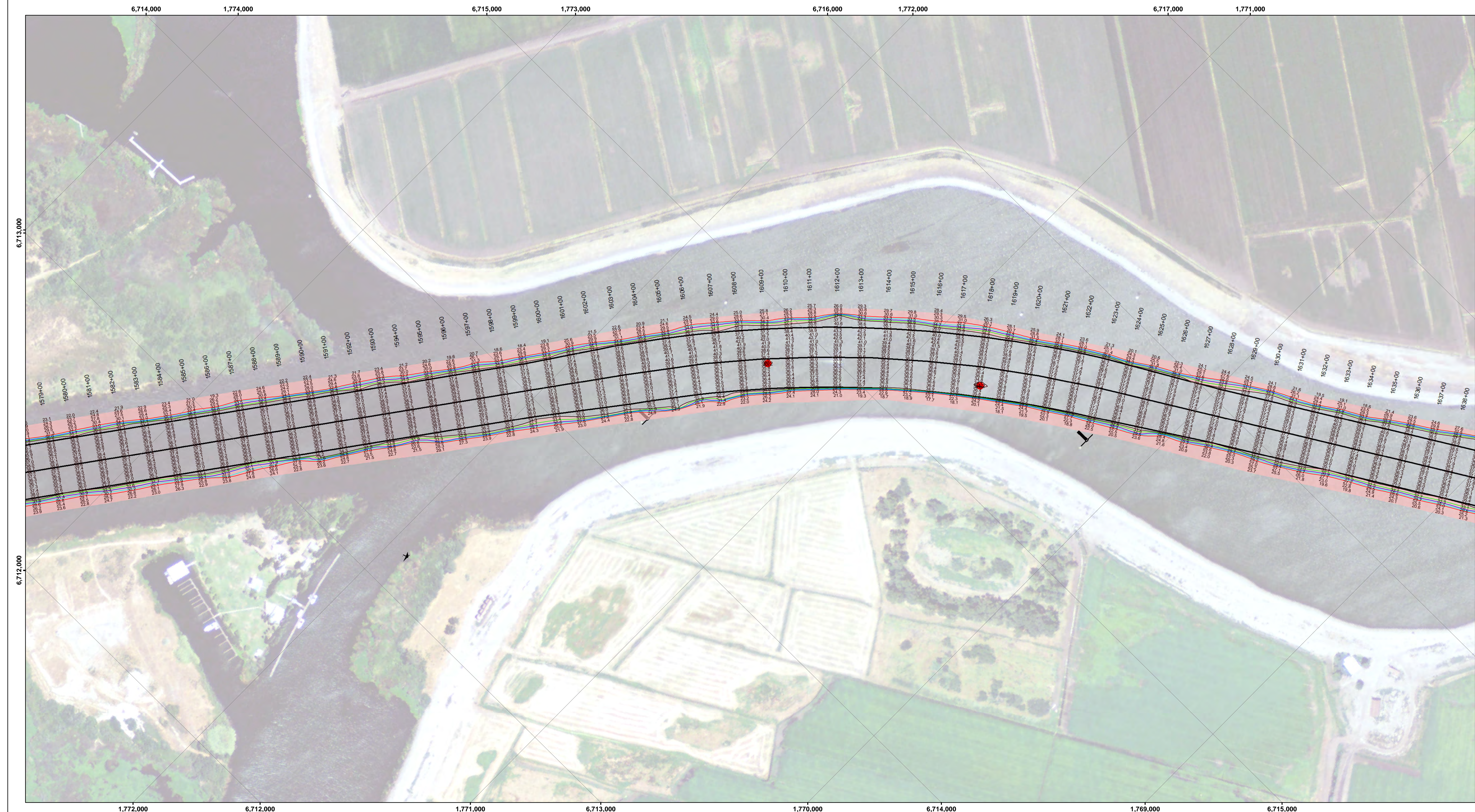
CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
NAIL @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W

CALIFORNIA

SAN JOAQUIN COUNTY

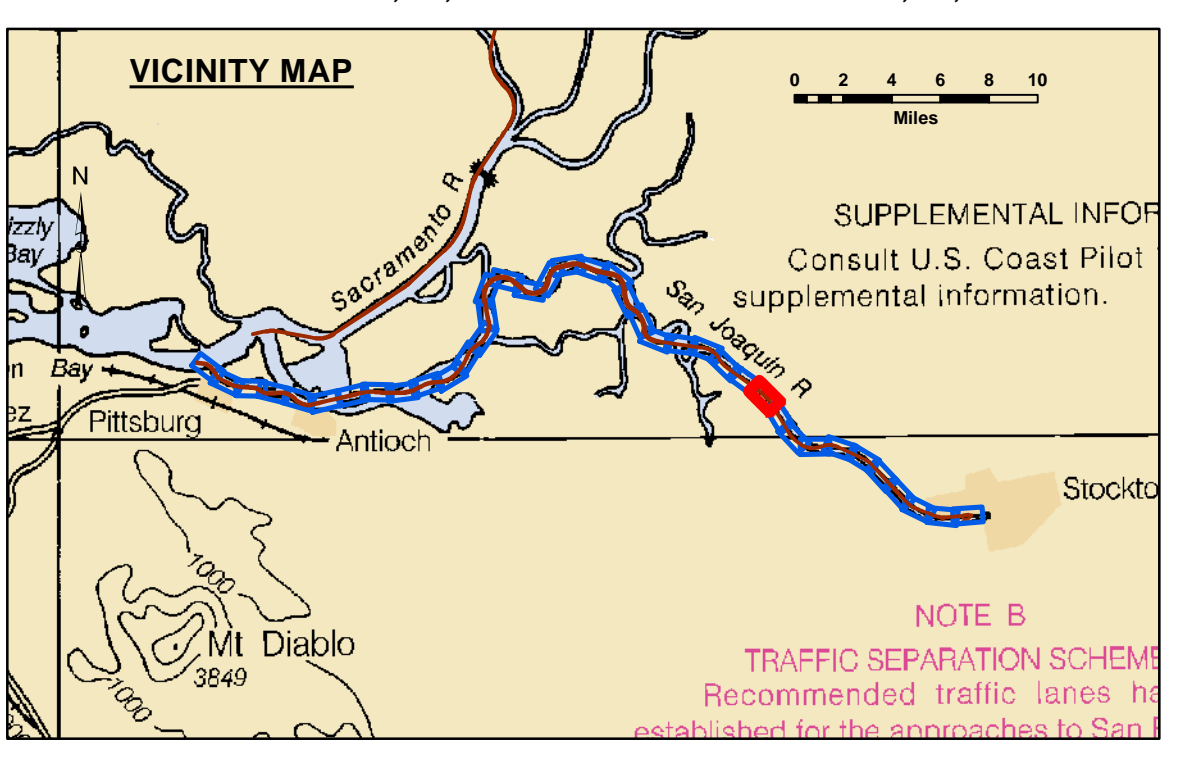
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
28 of 39



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Chart Date:	Dec 22, 2021
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch



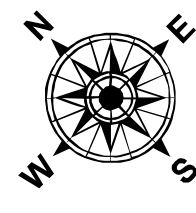
LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	— -35	
— Federal Navigation Center Line	□ Placement Area	— -34	
..... Cable Submarine	⊠ Anchorage Area	— -33	
- - - Cable Overhead	⊗ Obstruction Point	— -32	
— Contour Line	✦ Wrecks-Submerged	— -31	
		● Shoalest Sounding**	
		⊥ Beacon, General	
		◆ Red Navigation Buoy	
		◆ Green Navigation Buoy	

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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

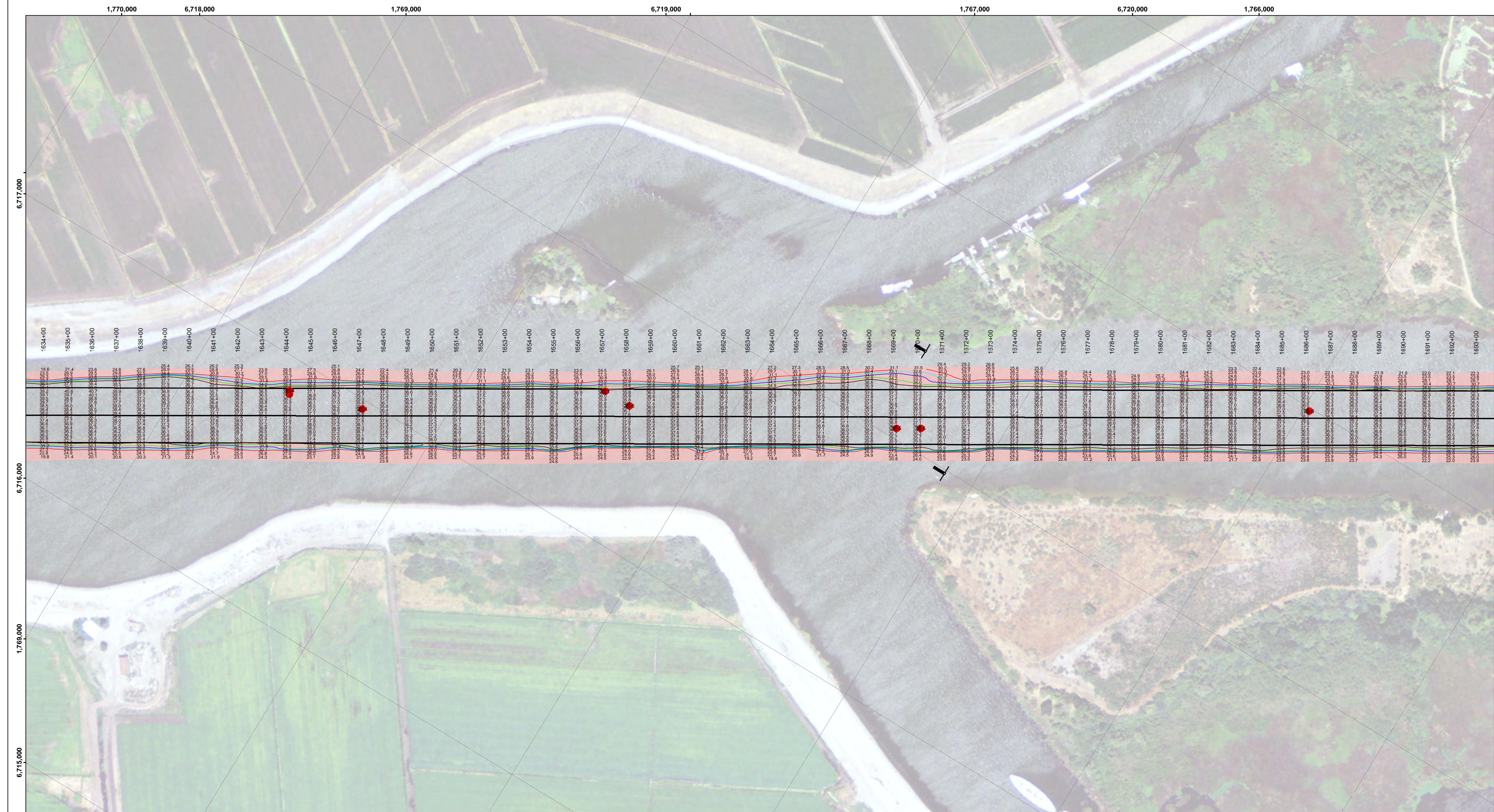
LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4867
BENCHMARK: 941 4867 TIDAL 2 (PID: HS0439)
TIDE GAUGE:
NAIL @ 10.0 FT MLLW
LAT: 37 55 44.62 N
LONG: 121 19 40.74 W

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 TIG #2 (37.951 N, 121.334 W) = 10.0 FT MLLW

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



CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021
Sheet Reference Number
29 of 39

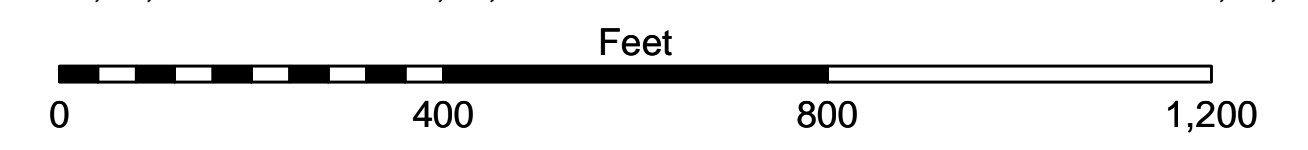
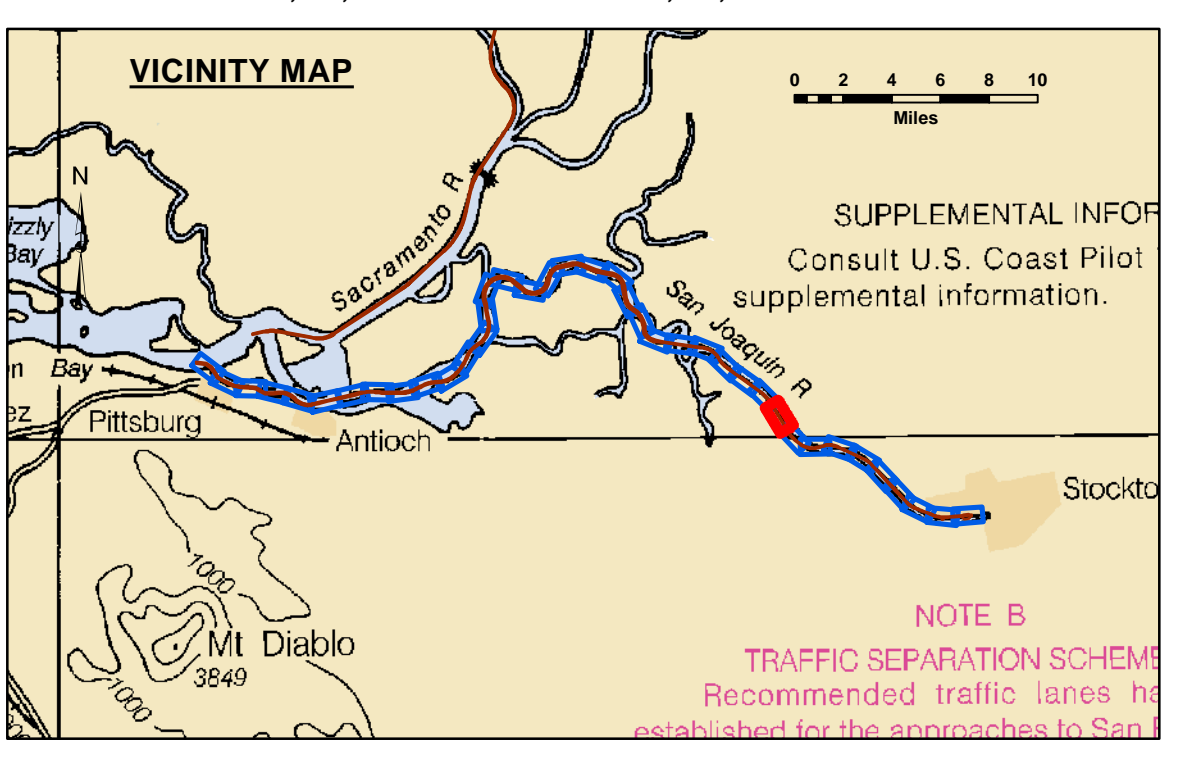


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Chart Date:	Dec 22, 2021
Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
Designed By:	PDT
Checked By:	PDT
Drawn By:	PDT

CALIFORNIA
STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021

Sheet Reference Number
30 of 39



LEGEND

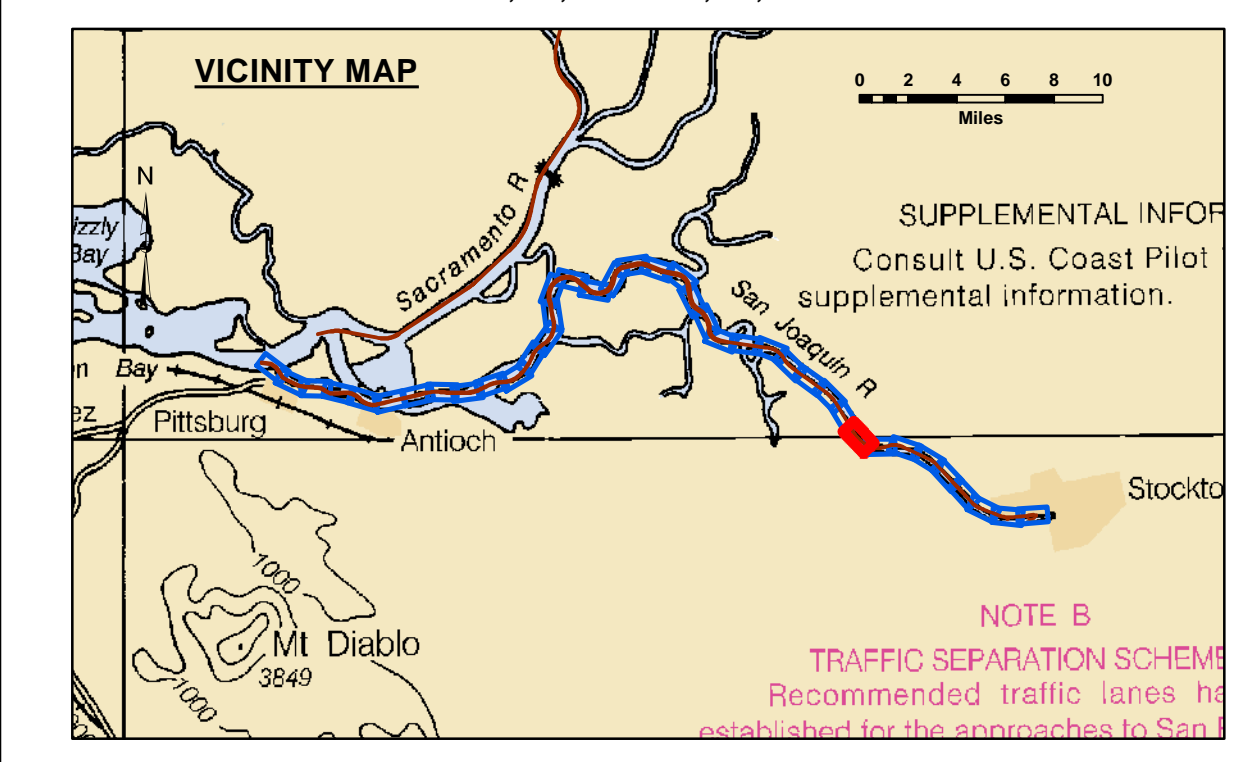
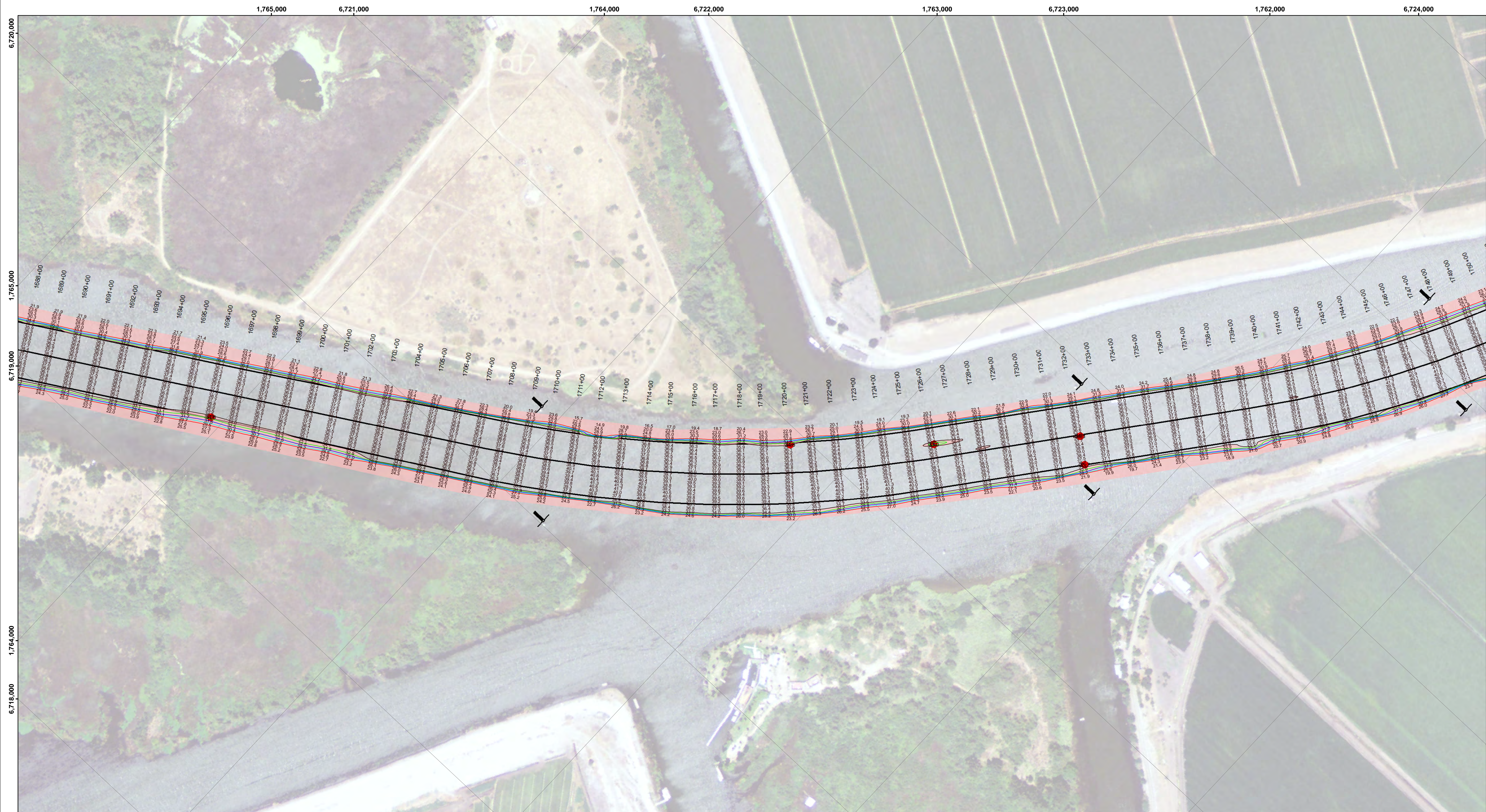
--- Federal Navigation Channel	[Hatched Box] Cable Area	[Pink Box] Shoaling Area	[Green Line] Contours -35
— Federal Navigation Center Line	[White Box] Placement Area	[Red Circle] Shoalest Sounding**	[Light Green Line] Contours -34
..... Cable Submarine	[Dashed Box] Anchorage Area	[T-junction] Beacon, General	[Blue Line] Contours -33
- - - Cable Overhead	[X Box] Obstruction Point	[Red Diamond] Red Navigation Buoy	[Light Blue Line] Contours -32
— Contour Line	[Star] Wrecks-Submerged	[Green Diamond] Green Navigation Buoy	[Red Line] Contours -31

NOTES:
 DRAWING NOT TO BE USED FOR NAVIGATION. ONLY CHANNEL CONDITION AT DATE OF SURVEY.
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 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

LOCATION: PORT OF STOCKTON
 NOAA STATION: 941 4867
 BENCHMARK: 941 4867 TIDAL 2 (PID: HS0438)
 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

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



Feet
0 400 800 1,200

LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	● Shoaling Area	— -35
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	— -34
..... Cable Submarine	▭ Anchorage Area	⊥ Beacon, General	— -33
- - - Cable Overhead	⊗ Obstruction Point	◆ Red Navigation Buoy	— -32
— Contour Line	✈ Wrecks-Submerged	◆ Green Navigation Buoy	— -31

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PROJECT DEPTH: -35'
VERTICAL DATUM: MLLW
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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 TIG #2 (37.951 N, 121.334 W) = 10.0 FT MLLW

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

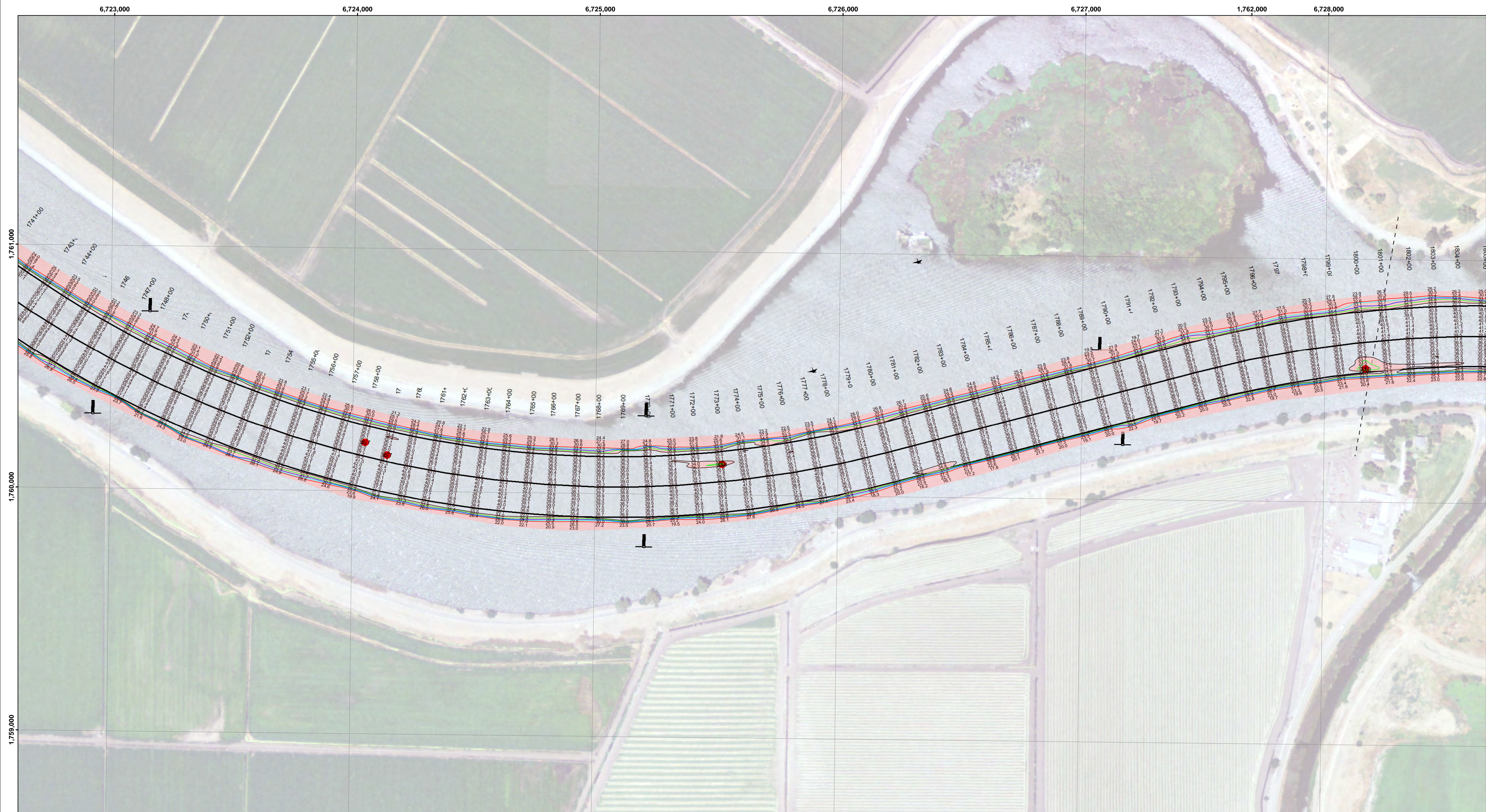


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Chart Date:	Dec 22, 2021
Designed by:	PDT
Drawn by:	PDT
Checked by:	PDT
Approved by:	PDT
Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
Checked By:	PDT
Drawn By:	PDT

CALIFORNIA
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
31 of 39

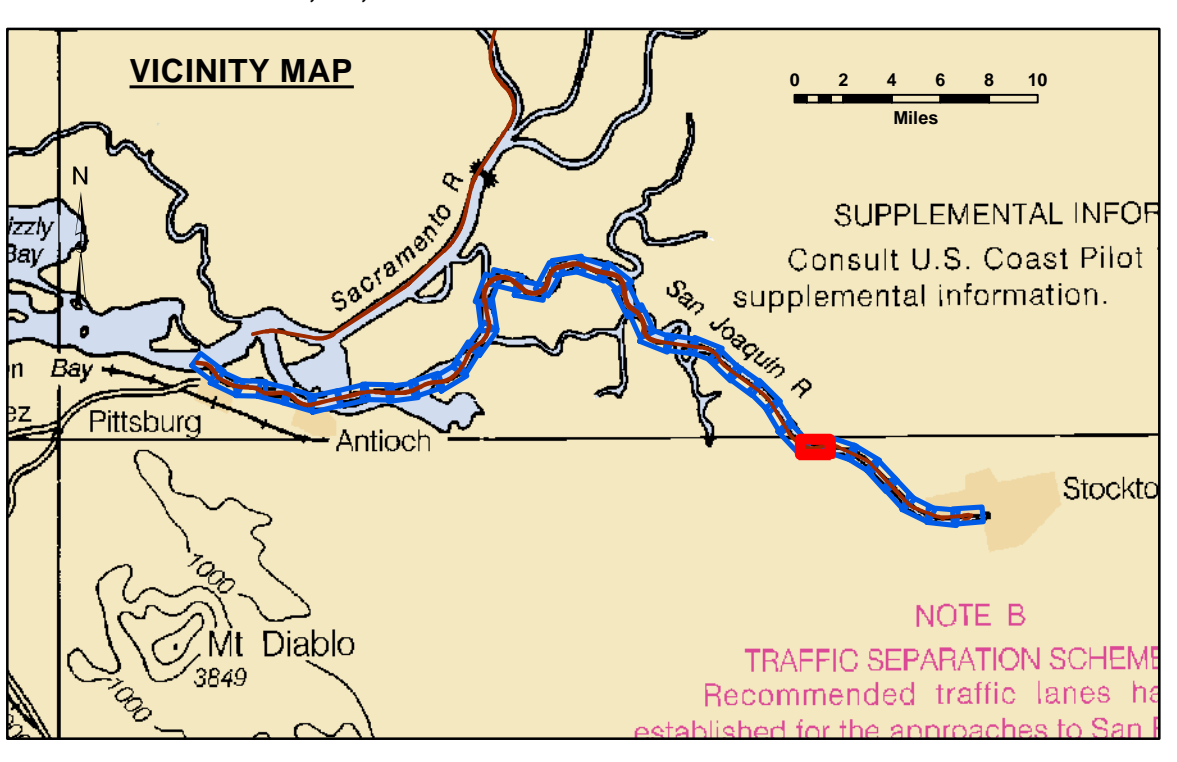


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Designed by:	PDT
Drawn by:	PDT
Surveyed By:	PDT
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch

CALIFORNIA
STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021
 SAN JOAQUIN COUNTY

Sheet Reference Number
32 of 39



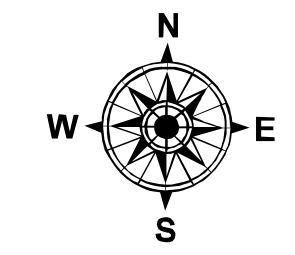
LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	— -35	
— Federal Navigation Center Line	□ Placement Area	— -34	
..... Cable Submarine	▨ Anchorage Area	— -33	
- - - Cable Overhead	⊗ Obstruction Point	— -32	
— Contour Line	✈ Wrecks-Submerged	— -31	
	● Shoalest Sounding**		
	⊥ Beacon, General		
	◆ Red Navigation Buoy		
	◆ Green Navigation Buoy		

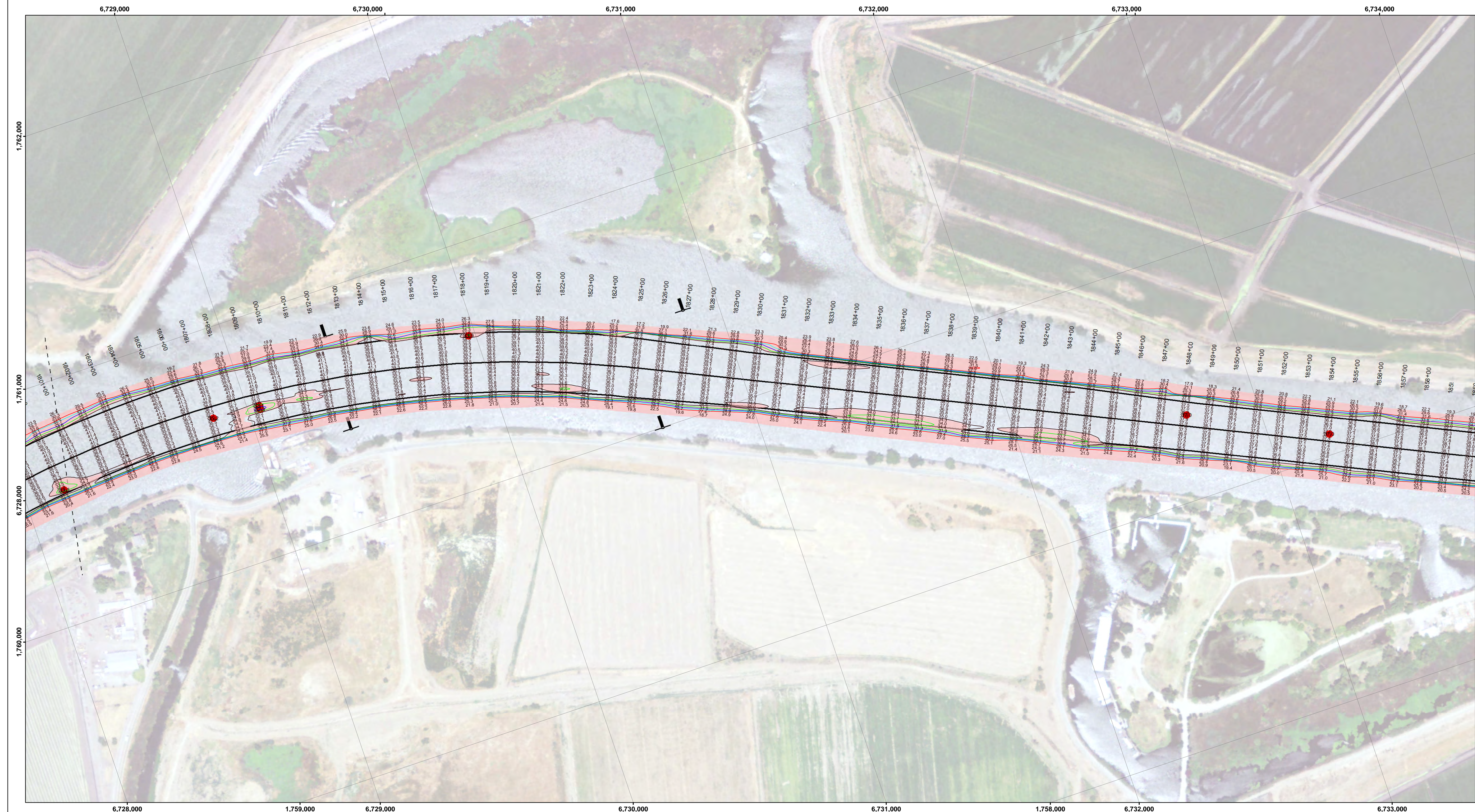
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 PROJECT DEPTH: -35'
 VERTICAL DATUM: MLLW
 THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

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

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





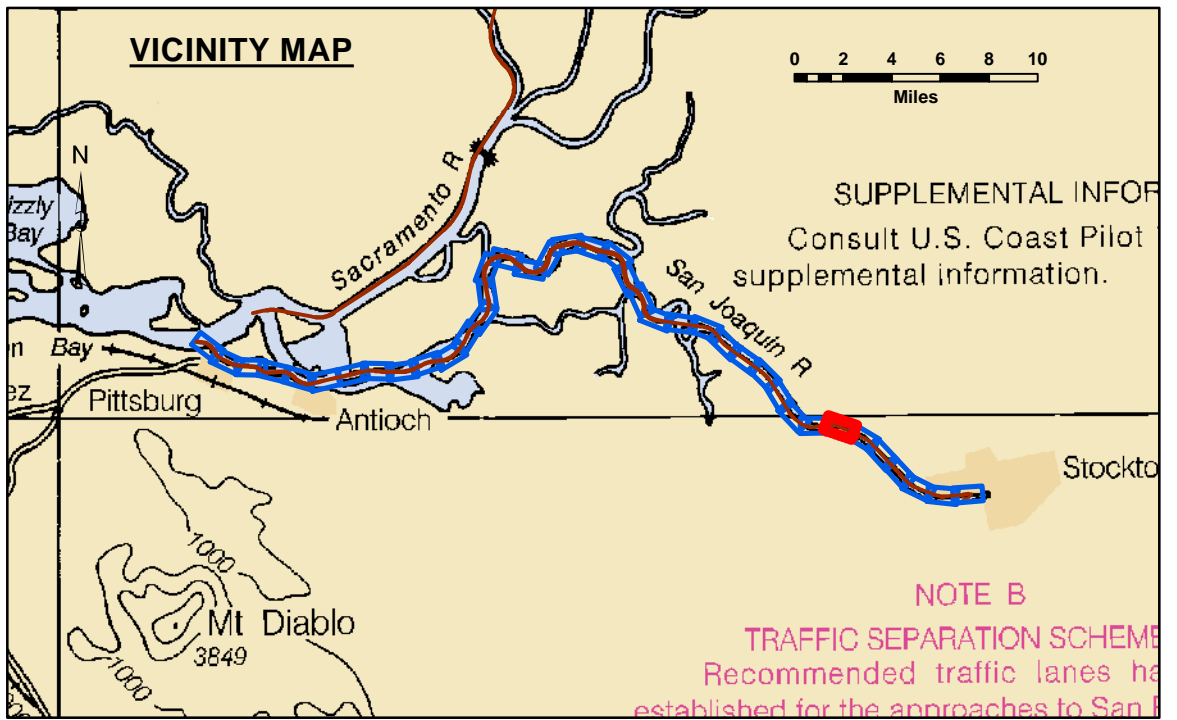
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Chart Date:	Dec 22, 2021
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch

CALIFORNIA
STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021

Sheet Reference Number
33 of 39



LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	● Shoaling Area	— -35
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	— -34
..... Cable Submarine	▭ Anchorage Area	⊥ Beacon, General	— -33
- - - Cable Overhead	⊗ Obstruction Point	◆ Red Navigation Buoy	— -32
— Contour Line	✦ Wrecks-Submerged	◆ Green Navigation Buoy	— -31

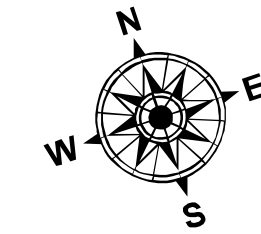


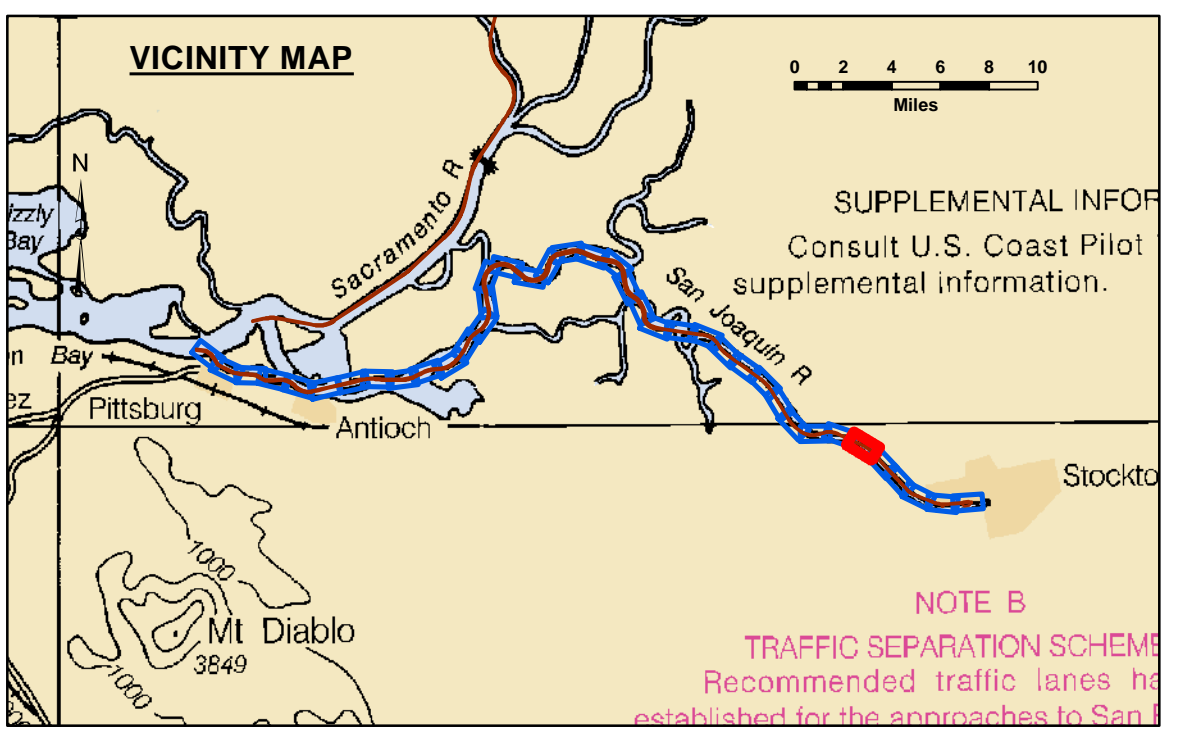
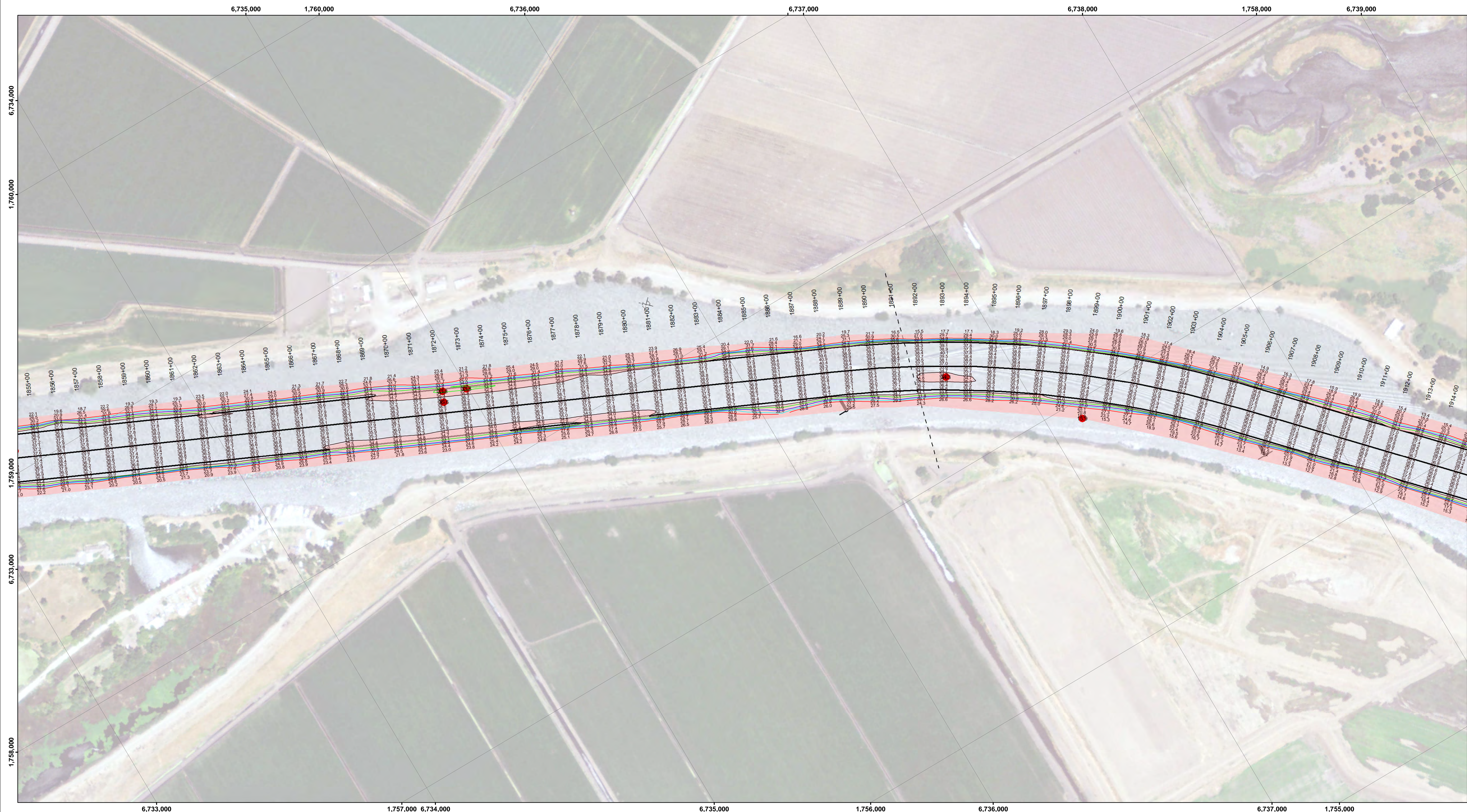
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 LONG: 121 48 56.7074 W





Feet
0 400 800 1,200

--- Federal Navigation Channel	▨ Cable Area	■ Shoaling Area	— Contours
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	— -35
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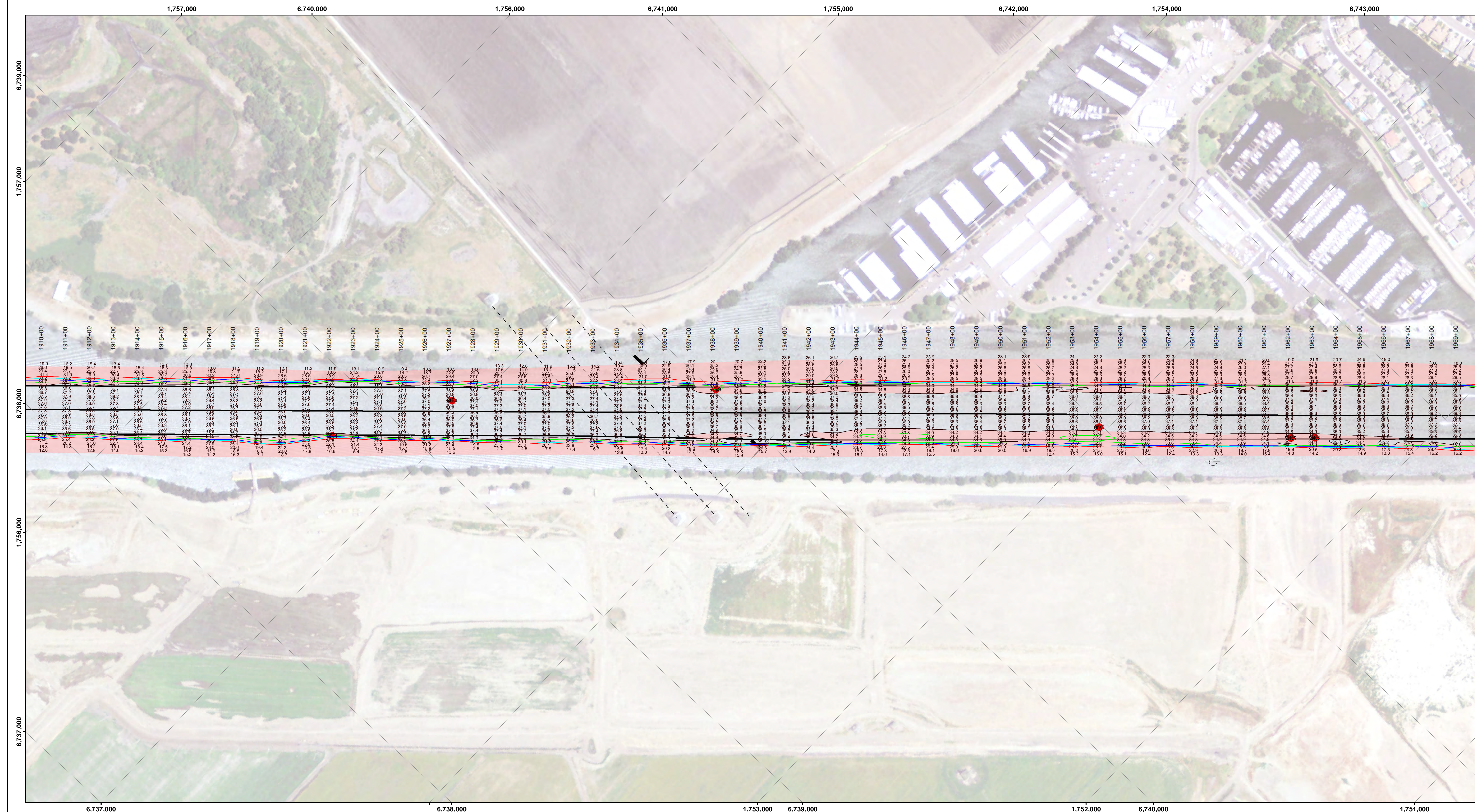


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Chart Date:	Dec 22, 2021
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch

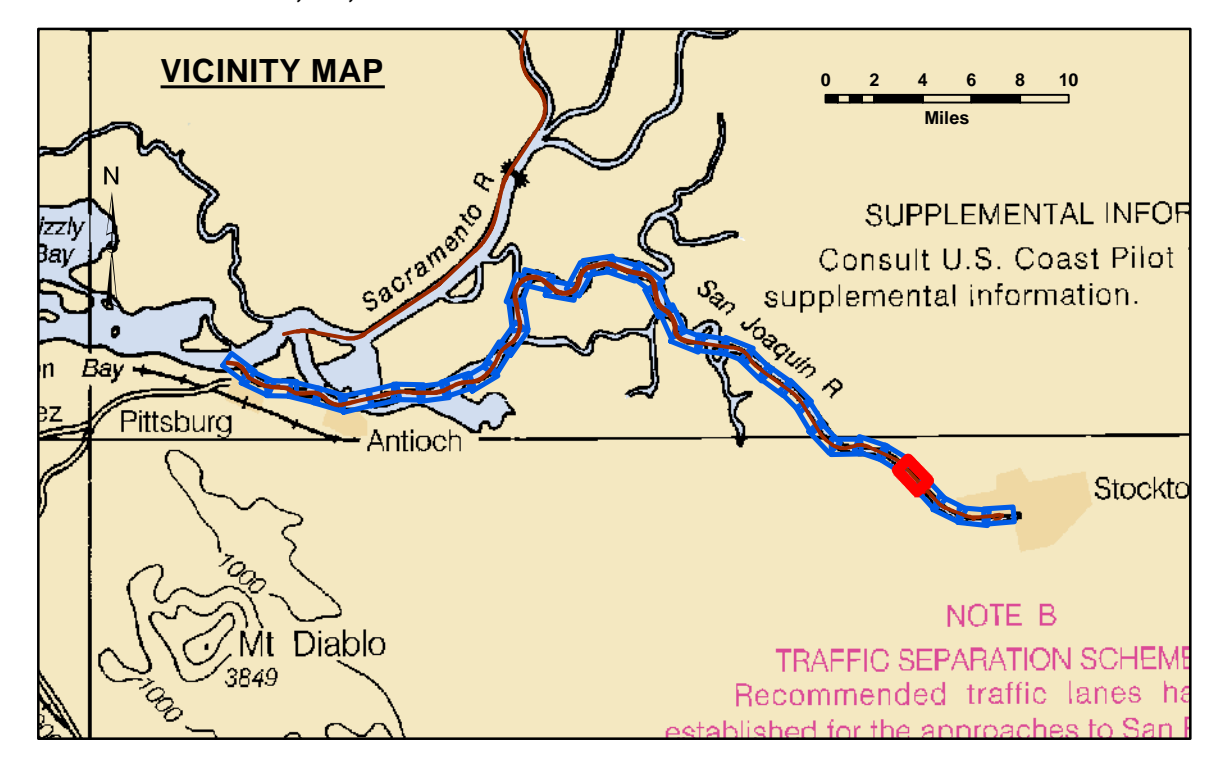
CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

Sheet Reference Number
34 of 39



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Designed by:	PDT
Drawn by:	PDT
Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch



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

Contours	
—	-35
—	-34
—	-33
—	-32
—	-31



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 BENCHMARK: 941 4867 TIDAL 2 (PID: HS0438)
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 NAIL @ 10.0 FT MLLW
 LAT: 37 55 44.62 N
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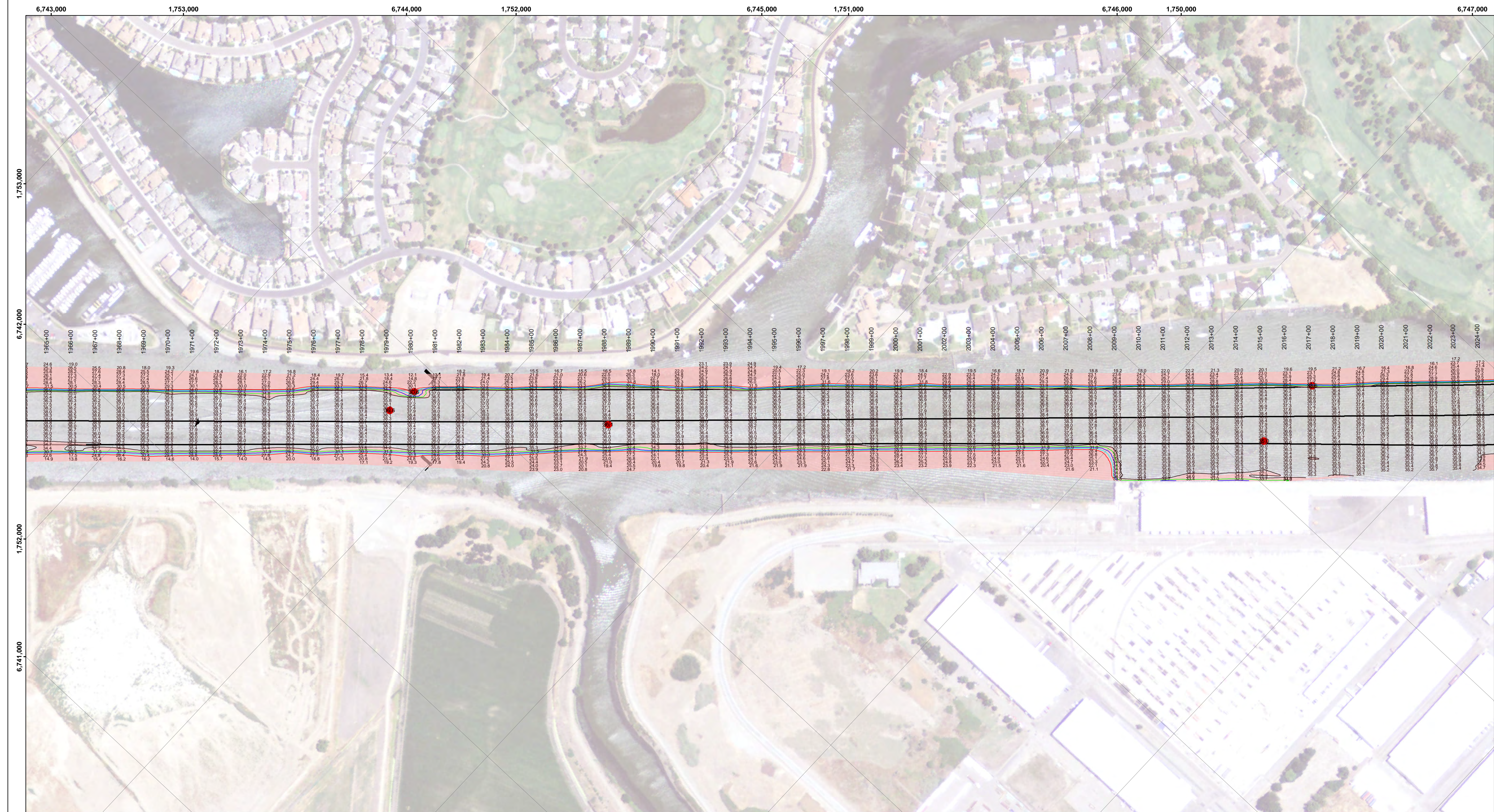


CALIFORNIA

SAN JOAQUIN COUNTY

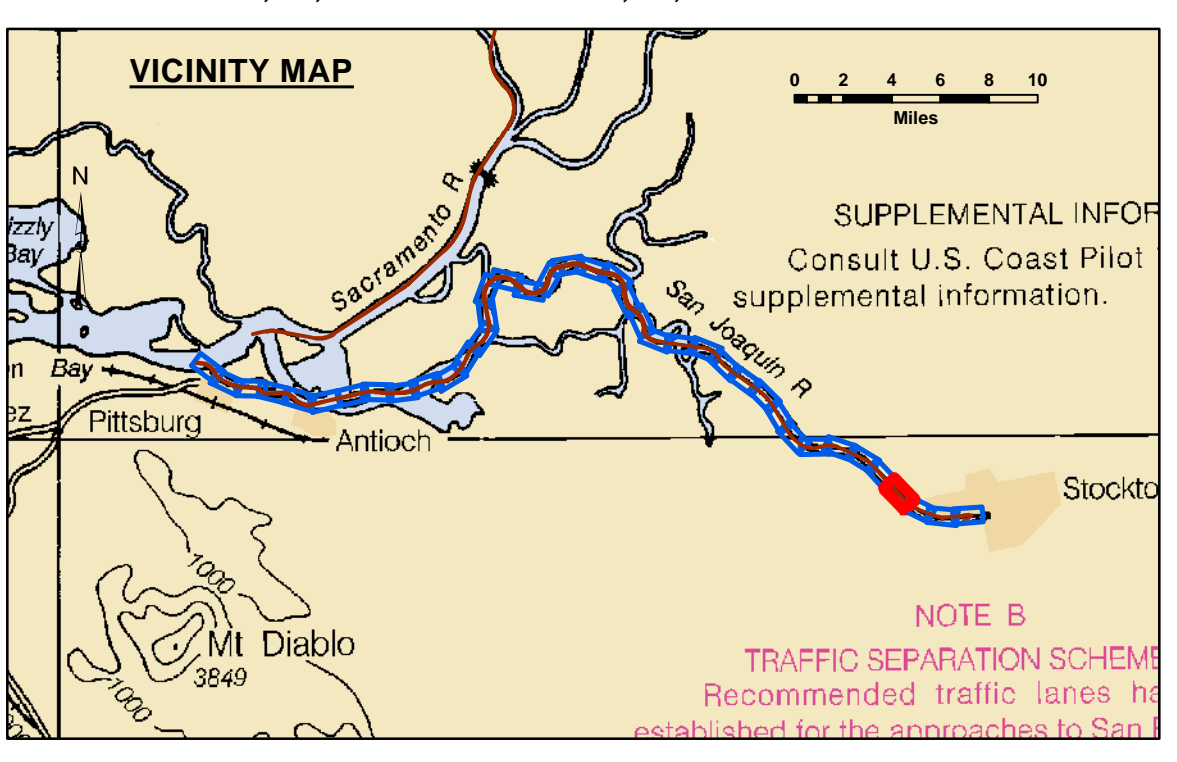
STOCKTON RIVER
 CONDITION SURVEY
 10-14 DECEMBER 2021

Sheet Reference Number
35 of 39



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Prepared Under the Direction of KEVIN P. ARNETT LT Colonel, C.E. District Engineer	Chart Date: Dec 22, 2021
Subproject: Hydro Survey Team Leader	Designed By: P.D.T.
Recommended: Chief, Hydro Survey Section	Checked By: P.D.T.
Approved: Chief, Construction Branch	Drawn By: P.D.T.



Feet
0 400 800 1,200

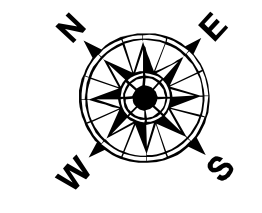
--- Federal Navigation Channel	▨ Cable Area	■ Shoaling Area	— Contours
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	— -35
..... Cable Submarine	▭ Anchorage Area	⊥ Beacon, General	— -34
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			— -31

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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

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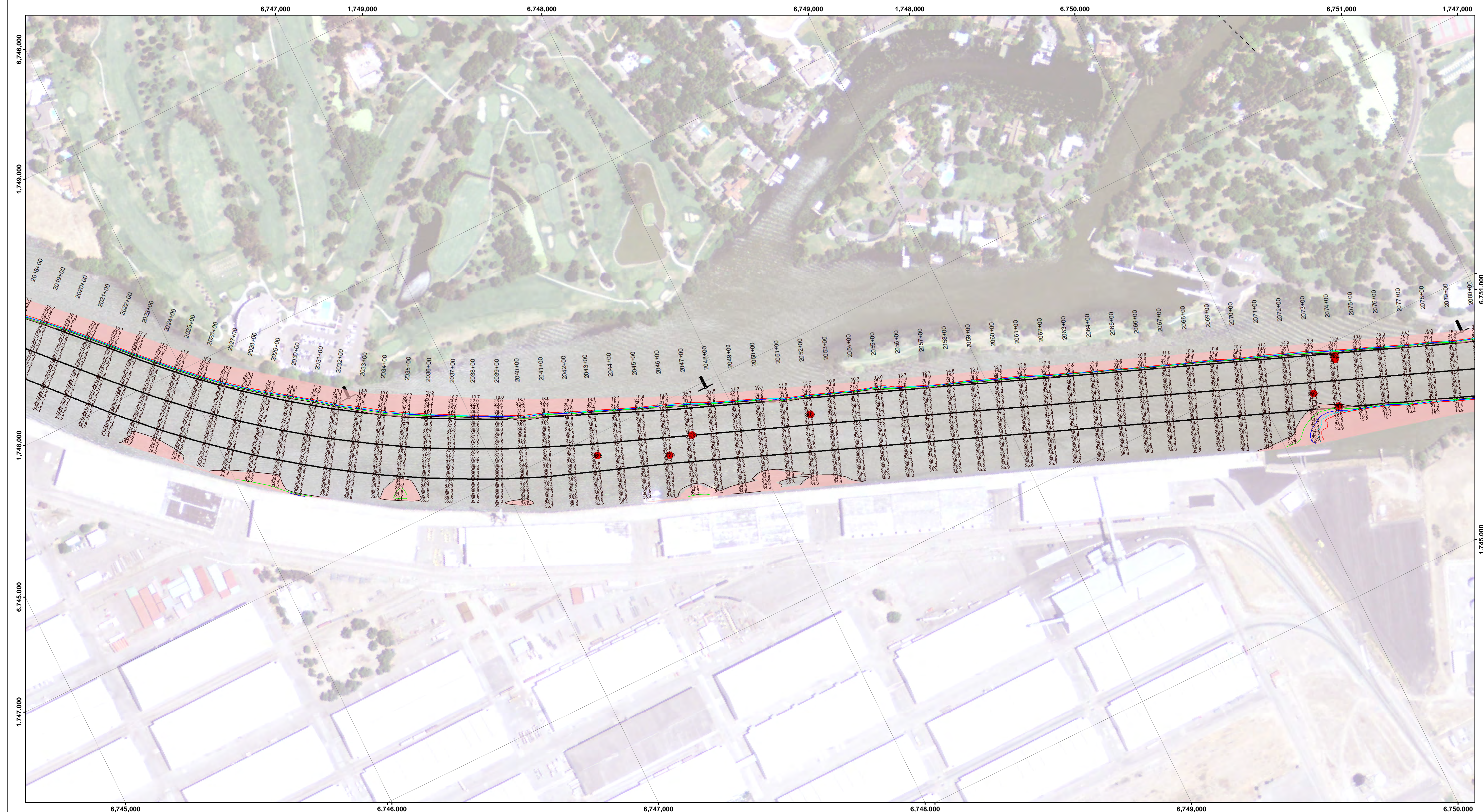
CONTROLS:
LOCATION: ANTIOCH
NOAA STATION: 941 5064
BENCHMARK: 5064-F (No PID)
TIDE GAUGE:
NAIL @ 10.15 FT MLLW
LAT: 38 01 6.9393 N
LONG: 121 48 56.7074 W



CALIFORNIA
SAN JOAQUIN COUNTY

**STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021**

Sheet Reference Number
36 of 39

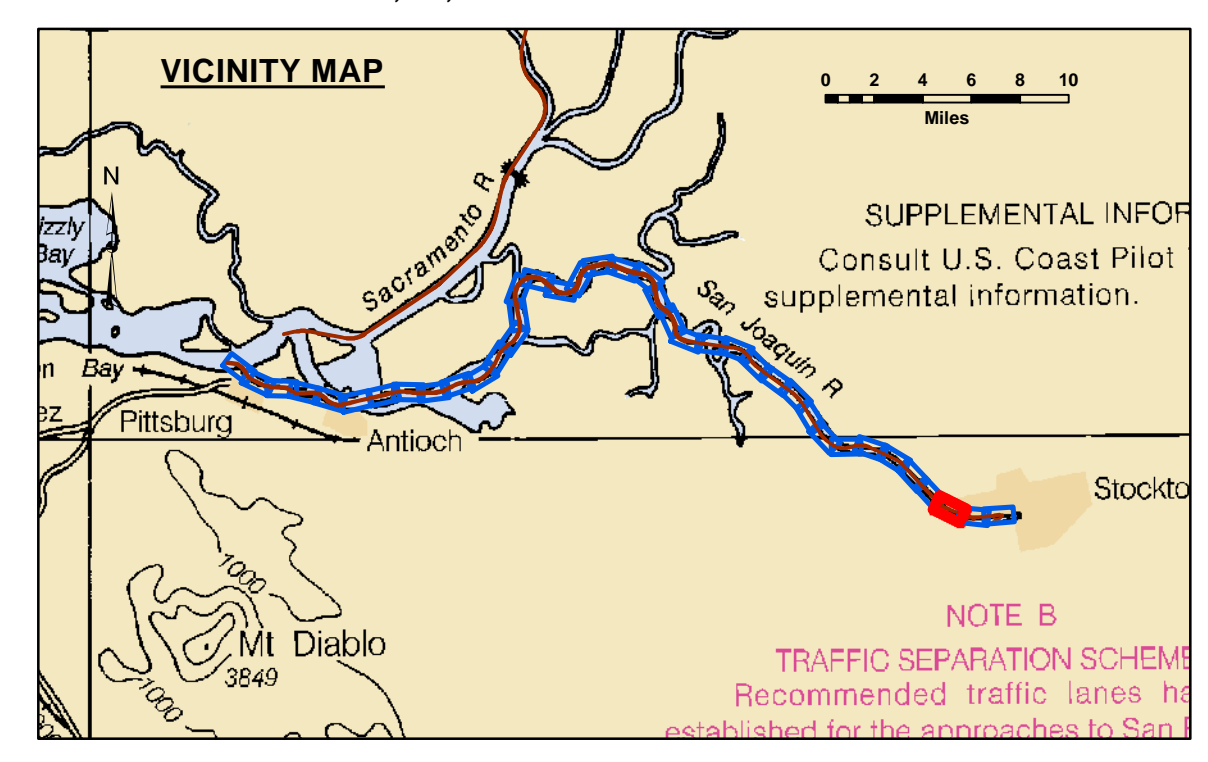


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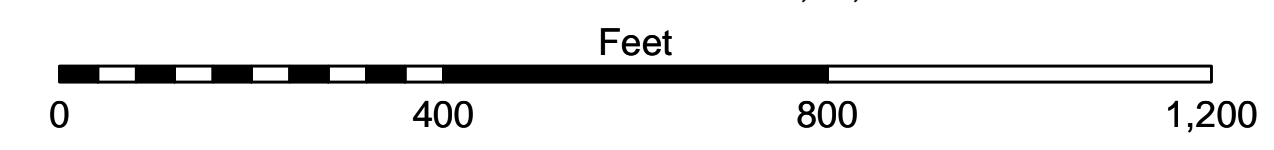
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Prepared Under the Direction of KEVIN P. ARNETT LT Colonel, C.E. District Engineer	Chart Date: Dec 22, 2021
Subproject: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Drawn by: PDT
Approved: Chief, Construction Branch	

CALIFORNIA
SAN JOAQUIN COUNTY
STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021



LEGEND		Contours	
--- Federal Navigation Channel	▨ Cable Area	● Shoaling Area	— -35
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	— -34
..... Cable Submarine	▨ Anchorage Area	⊥ Beacon, General	— -33
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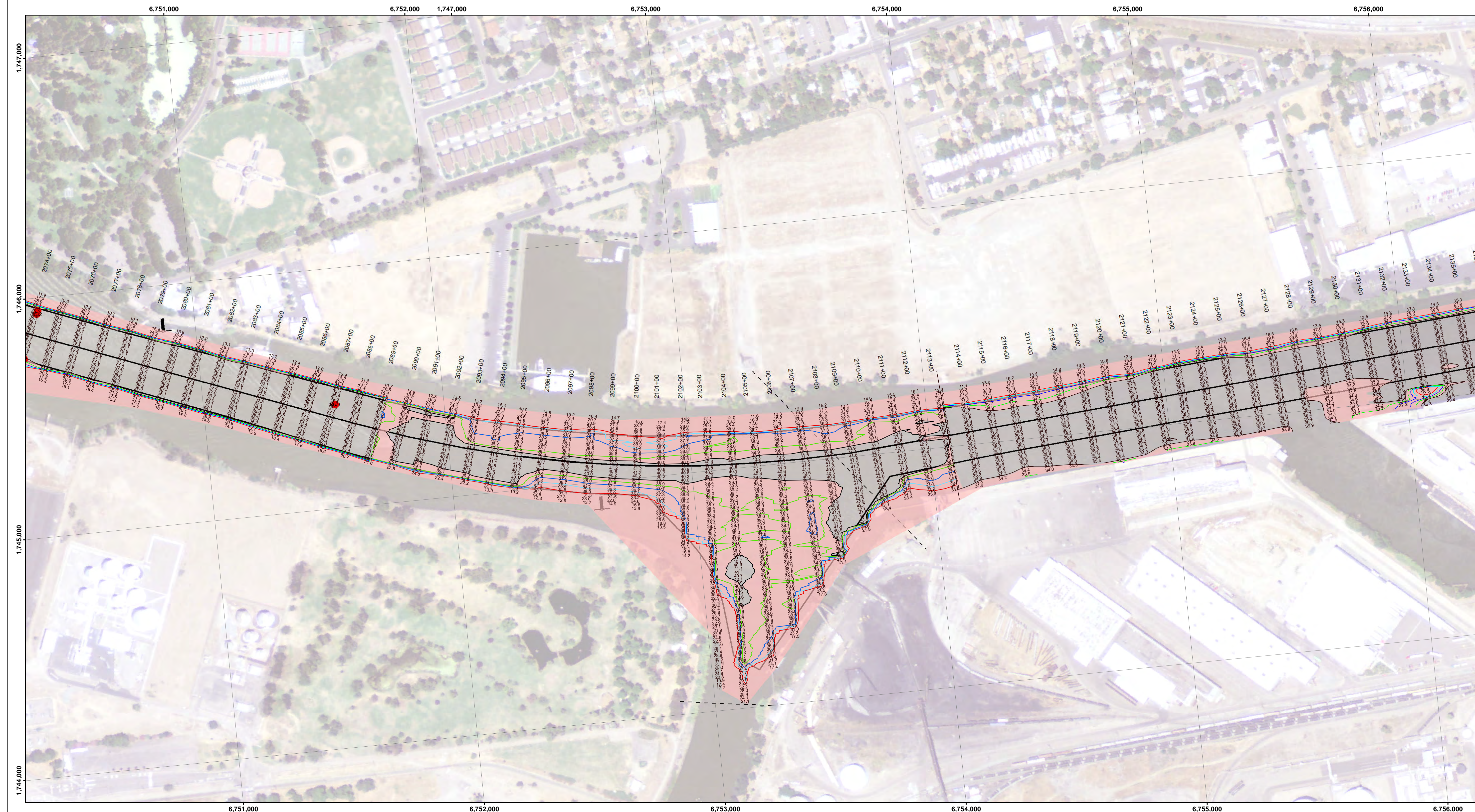


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PROJECT DEPTH: -35'
VERTICAL DATUM: MLLW
THE LOCATION OF NAVIGATION AIDS ARE BASED ON AND PROVIDED BY THE U.S. COAST GUARD

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

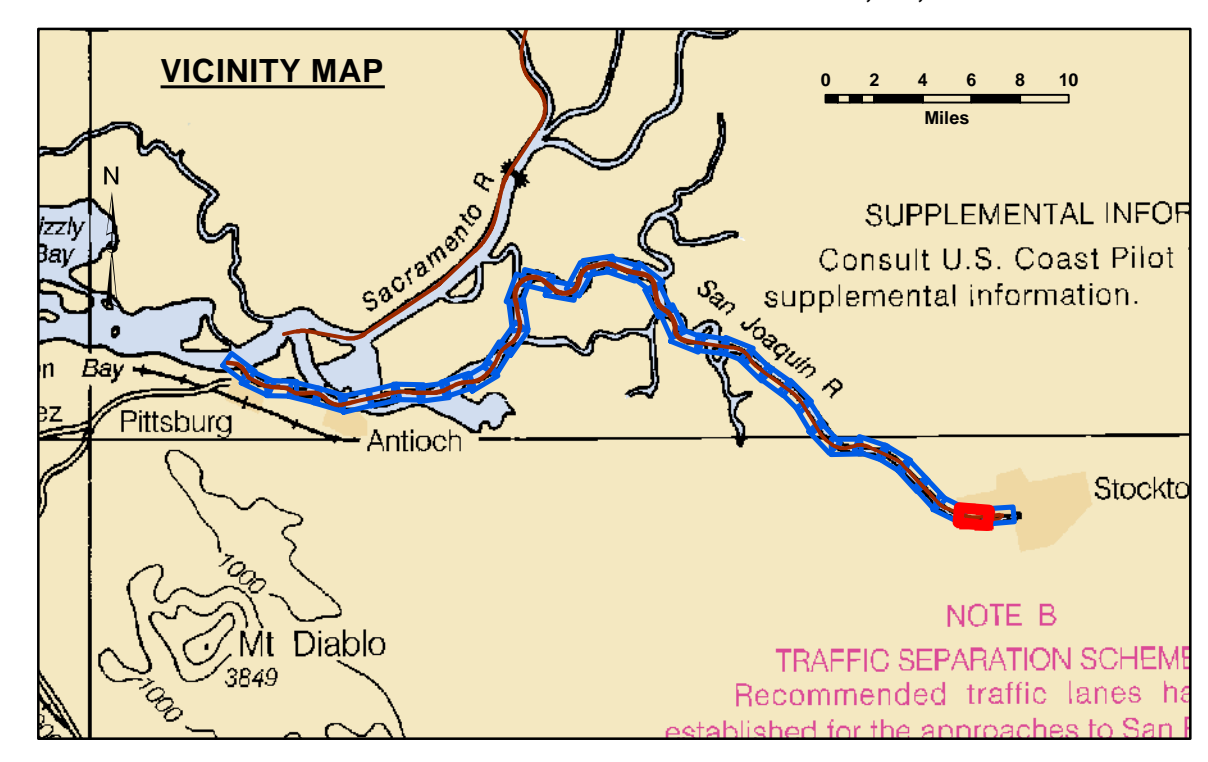
OTHER SAN JOAQUIN RIVER GAUGES:
DAY MARKER 19 = 8.2 FT MLLW
DAY MARKER 27 = 9.0 FT MLLW
DAY MARKER 29 = 9.0 FT MLLW
PORT OF STOCKTON TG #2 (37.951 N, 121.334 W) = 10.0 FT MLLW

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



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Chart Date:	Dec 22, 2021
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	KEVIN P. ARNETT
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch



0 400 800 1,200 Feet

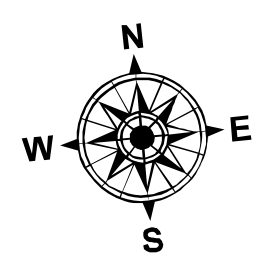
LEGEND		
--- Federal Navigation Channel	▨ Cable Area	■ Shoaling Area
— Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**
..... Cable Submarine	⊠ Anchorage Area	⊥ Beacon, General
- - - Cable Overhead	⊗ Obstruction Point	◆ Red Navigation Buoy
— Contour Line	✦ Wrecks-Submerged	◆ Green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

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

LOCATION: PORT OF STOCKTON
NOAA STATION: 941 4887
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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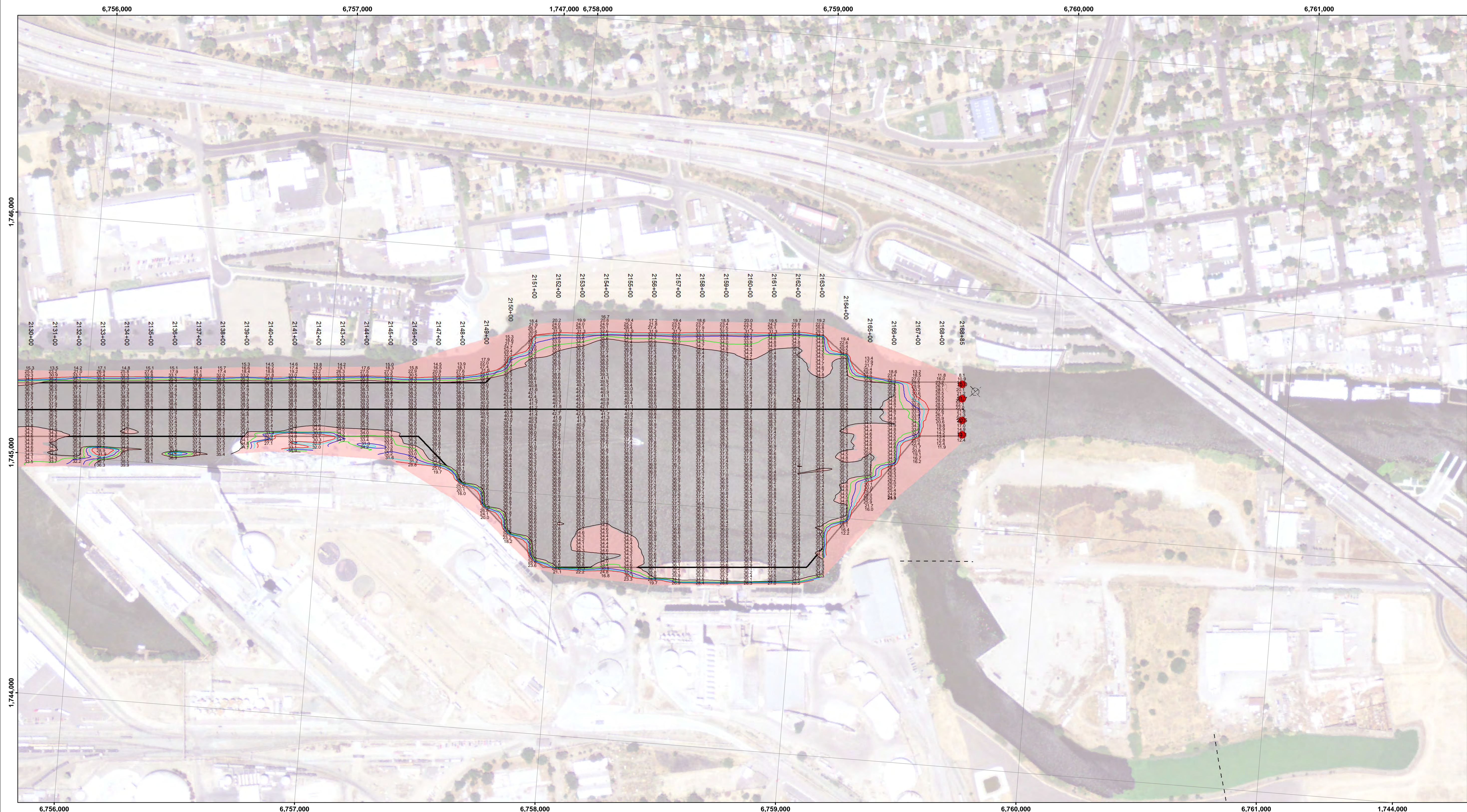


CALIFORNIA

SAN JOAQUIN COUNTY

**STOCKTON RIVER
SEDIMENT TRAP
CONDITION SURVEY
10-14 DECEMBER 2021**

**Sheet Reference Number
38 of 39**



US Army Corps of Engineers District: CESP

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Access Constraints: The United States Government furnishes this information as a service to the public. It is not intended to be used for any other purpose than the intended purpose. The user is responsible for the results of any use of the data for other than its intended purpose.

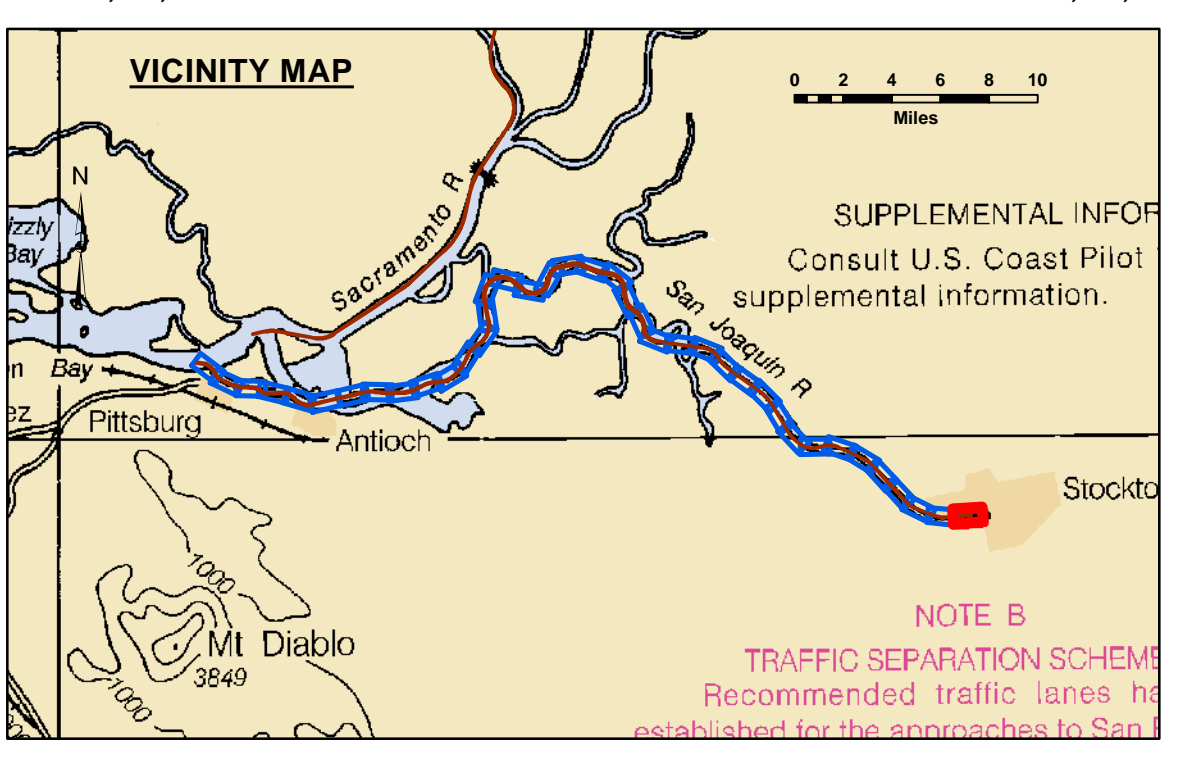
Prepared Under the Direction of	Chart Date:
KEVIN P. ARNETT	Dec 22, 2021
Subproject	Designed by:
Hydro Survey Team Leader	PDT
Recommended	Checked by:
Chief, Hydro Survey Section	PDT
Approved	Drawn by:
Chief, Construction Branch	PDT

CALIFORNIA

STOCKTON RIVER
CONDITION SURVEY
10-14 DECEMBER 2021

SAN JOAQUIN COUNTY

Sheet Reference Number
39 of 39



0 400 800 1,200 Feet

LEGEND			Contours	
--- Federal Navigation Channel	▨ Cable Area	▨ Shoaling Area	— -35	— -34
— Federal Navigation Center Line	▨ Placement Area	● Shoalest Sounding**	— -33	— -32
..... Cable Submarine	▨ Anchorage Area	⊥ Beacon, General	— -31	
- - - Cable Overhead	⊗ Obstruction Point	◆ Red Navigation Buoy		
— Contour Line	✦ Wrecks-Submerged	◆ Green Navigation Buoy		

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