

US Army Corps of Engineers
 San Francisco District
 1455 Market Street
 San Francisco, CA 94103

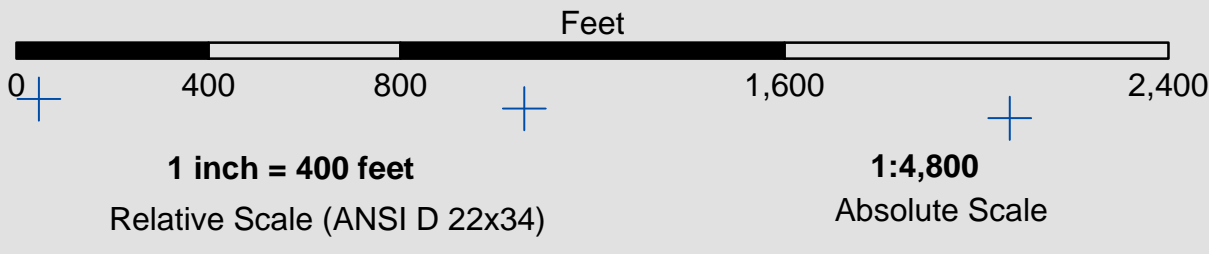
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Chart Date:	Mar 28, 2017
Designed by:	PDT
Drawn by:	PDT
Surveyed By:	
Plotted By:	PDT
Checked By:	PDT
Approved:	Chief, Construction Branch

PREPARED UNDER THE DIRECTION OF
JOHN C. MORROW
 LT. COLONEL, C.E., DISTRICT ENGINEER
 Hydro Survey Team Leader
 Chief, Hydro Survey Section
 Chief, Construction Branch

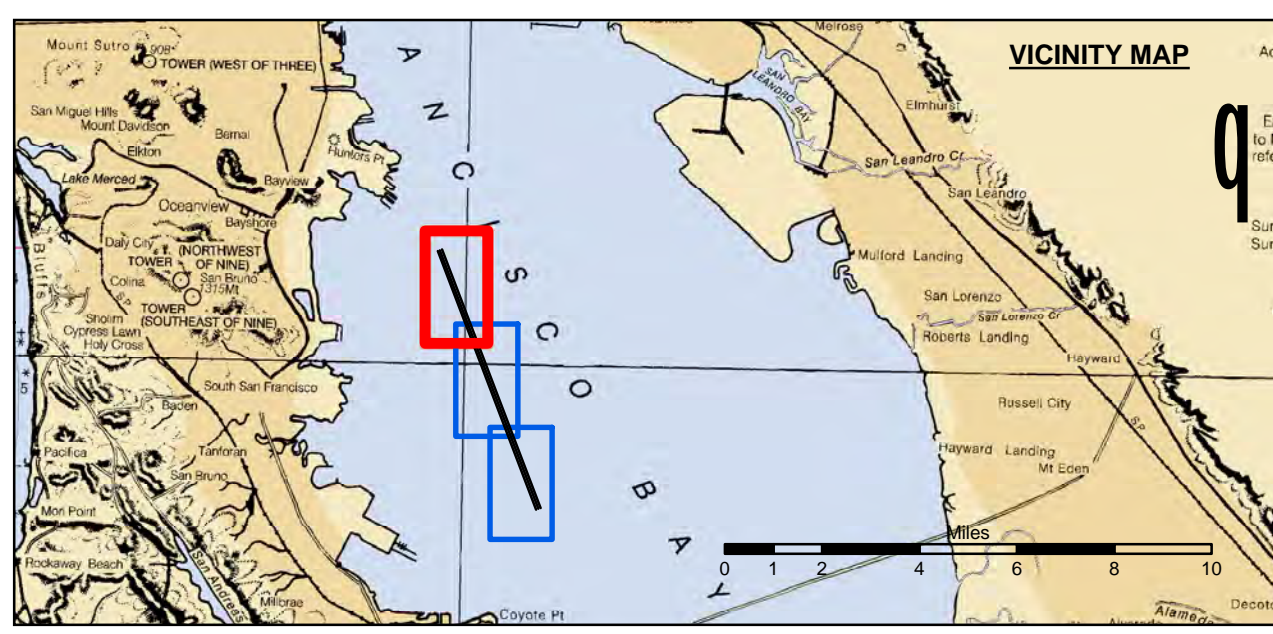
SAN BRUNO SHOAL
 CONDITION SURVEY
 27 MARCH 2017

Sheet Reference Number
1 of 3



CENTERLINE ANGLE POINTS NAD 1983		
CENTERLINE ∠	EAST	NORTH
C1	6028432.2184	2082797.0402
C2	6039090.2184	2054839.0402

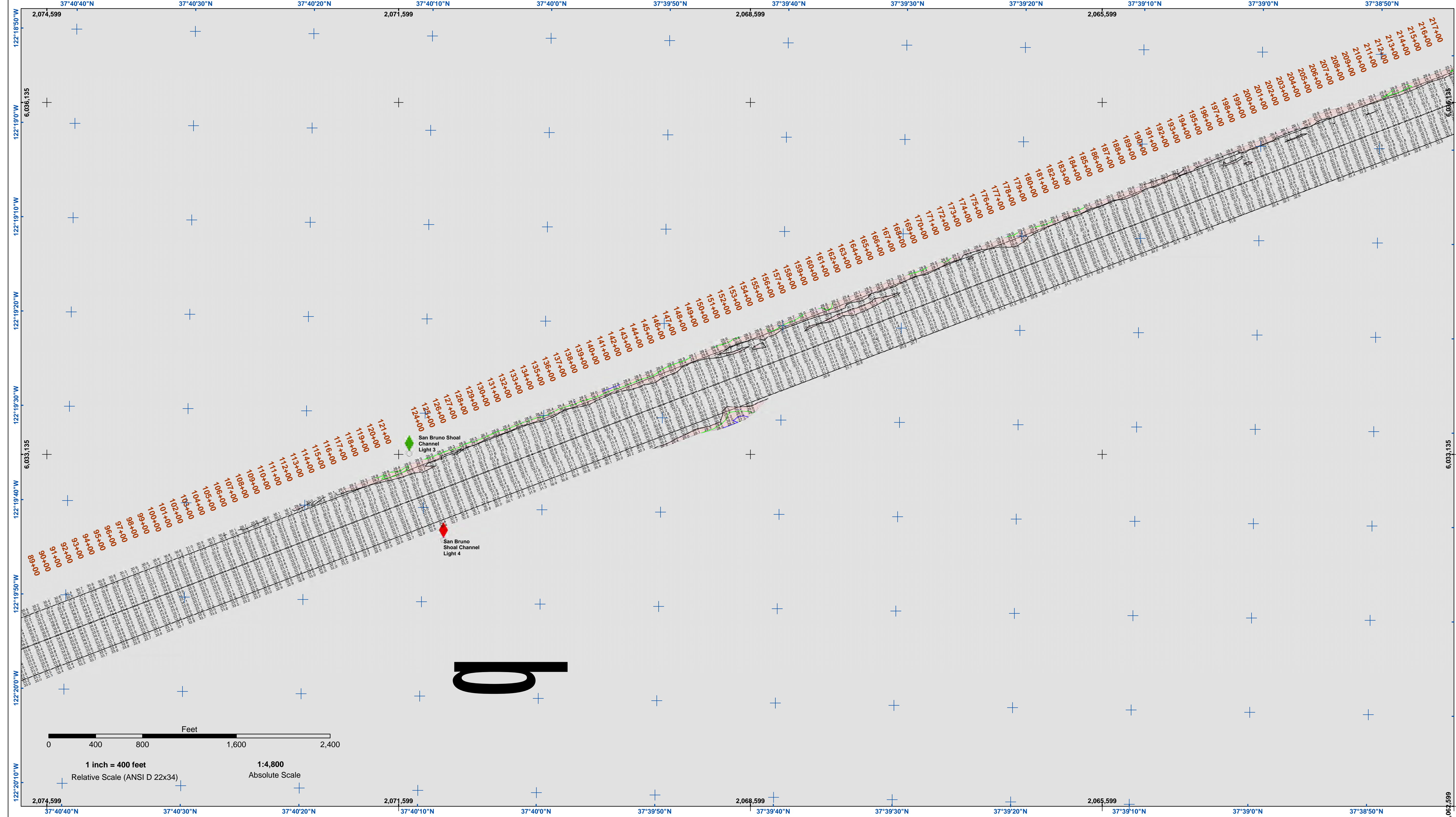
CHANNEL ANGLE POINTS NAD 1983		
CHANNEL ∠	EAST	NORTH
1	6028665.8184	2082886.0402
2	6039323.8184	2054933.0402
3	6038856.6184	2054749.9402
4	6028198.6184	2082707.9402



Federal Navigation Channel	Beacon, General	Contours
Shoaling Area	Obstruction Point	-30
Placement Area	Navigation Buoy	-29
Anchorage Area	Navigation Buoy	-28
Wreck Area	Shoalest Sounding*	-27
Submerged Wreck		-26
Angle Point		

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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 SURVEYED BY THE CORPS OF ENGINEERS.
 *SHOALEST SOUNDING PER QUARTER PER REACH

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, BEARING AND COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM, LAMBERT CONFORMAL PROJECTION, ZONE III NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 253, PUBLISHED BY NATIONAL OCEAN SURVEY.
 THE PROJECT DEPTH IS 30 FEET AT M.L.L.W.
 CONTROL: SOUNDINGS ARE BASED ON THE TIDE GAUGE LOCATED AT THE HYDE STREET PIER, SAN FRANCISCO, CALIFORNIA.
 CONTROL:
 NOAA 941 4358
 BM 'S 1941': 15.74 FT MLLW
 HUNTERS POINT TIDE GAUGE: 13 FT MLLW
 NAIL AND BRASS WASHER (ORANGE RIBBON ATTACHED) ON PILING AT SE CORNER OF PIER 80
 NAIL LEVELLED BY USACE ON 14 FEBRUARY 2016.
 HORIZONTAL COORDINATES: POST PROCESSED RTK FROM LOCAL REFERENCE STATIONS



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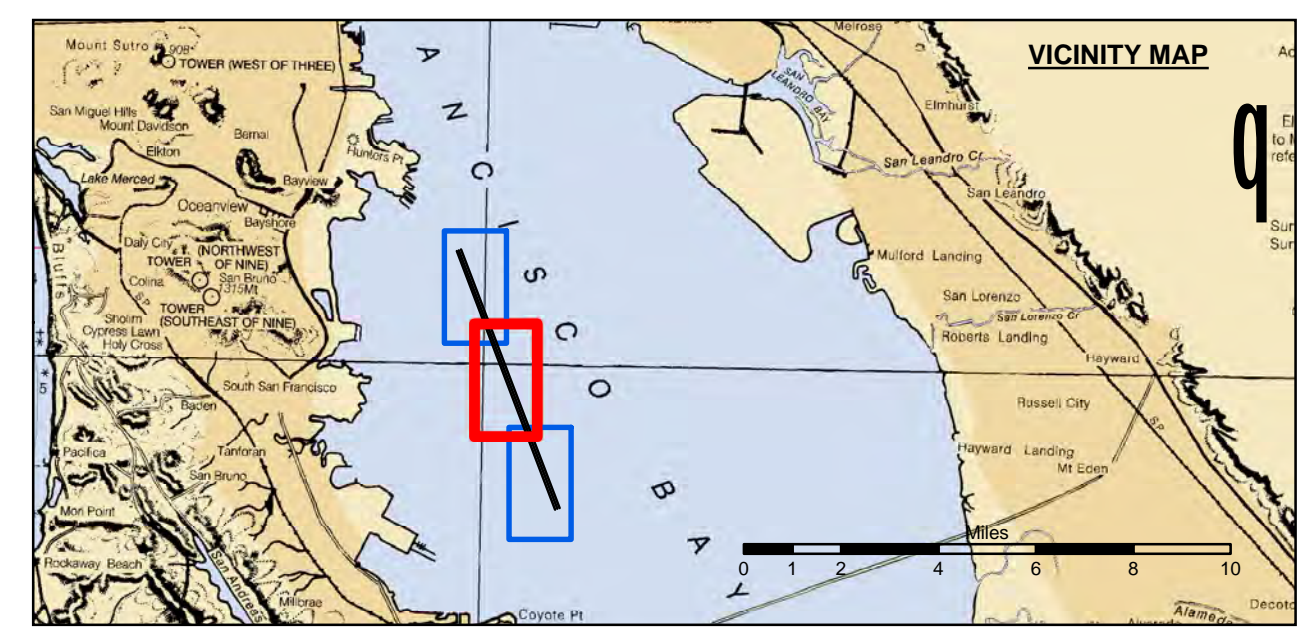
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Plotted By:	PDT
Checked By:	PDT
Drawn by:	PDT

PREPARED UNDER THE DIRECTION OF
JOHN C. MORROW
 LT COLONEL, C.E., DISTRICT ENGINEER

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

CALIFORNIA
 SAN BRUNO SHOAL
 CONDITION SURVEY
 27 MARCH 2017



- | | | |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General | Contours |
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SURVEYED BY THE CORPS OF ENGINEERS.

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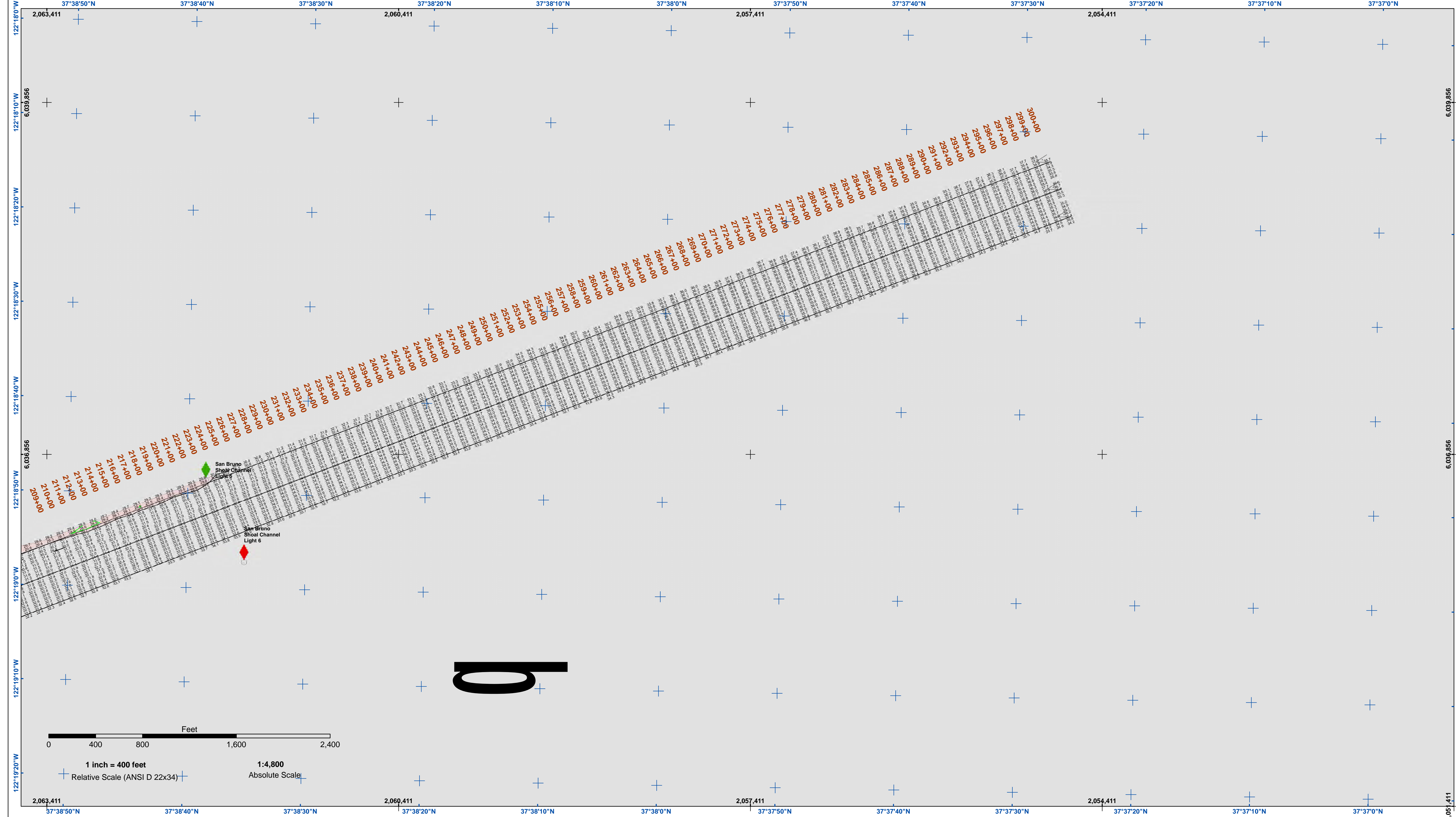
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HORIZONTAL COORDINATES: POST PROCESSED RTK FROM LOCAL REFERENCE STATIONS

Sheet Reference Number
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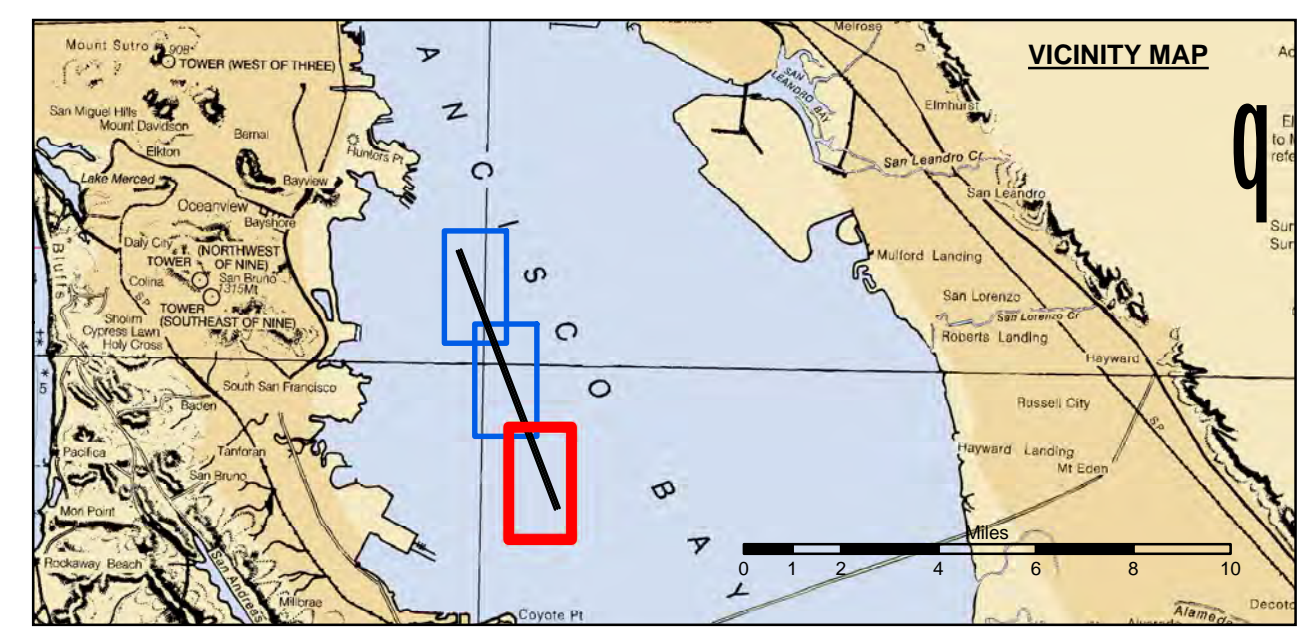


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Prepared Under the Direction of JOHN C. MORROW LT COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Mar 28, 2017
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended: Chief, Hydro Survey Section	Plotted By: PDT
Approved: Chief, Construction Branch	Checked By: PDT
	Drawn by: PDT

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