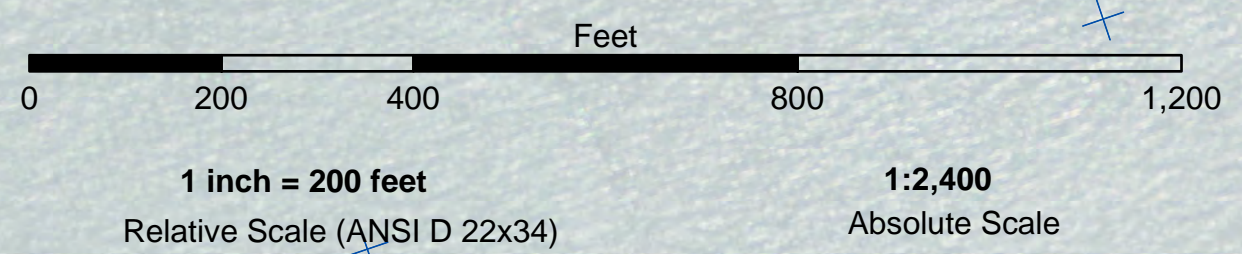


NAD 83 CENTERLINE ANGLE POINTS		
PT	X	Y
C1	6021958.65	2103914.82
C2	6020630.00	2101066.50
C3	6020354.08	2100223.06
C4	6021030.11	2098794.95
C5	6022016.50	2097553.00
C6	6023710.78	2096749.92

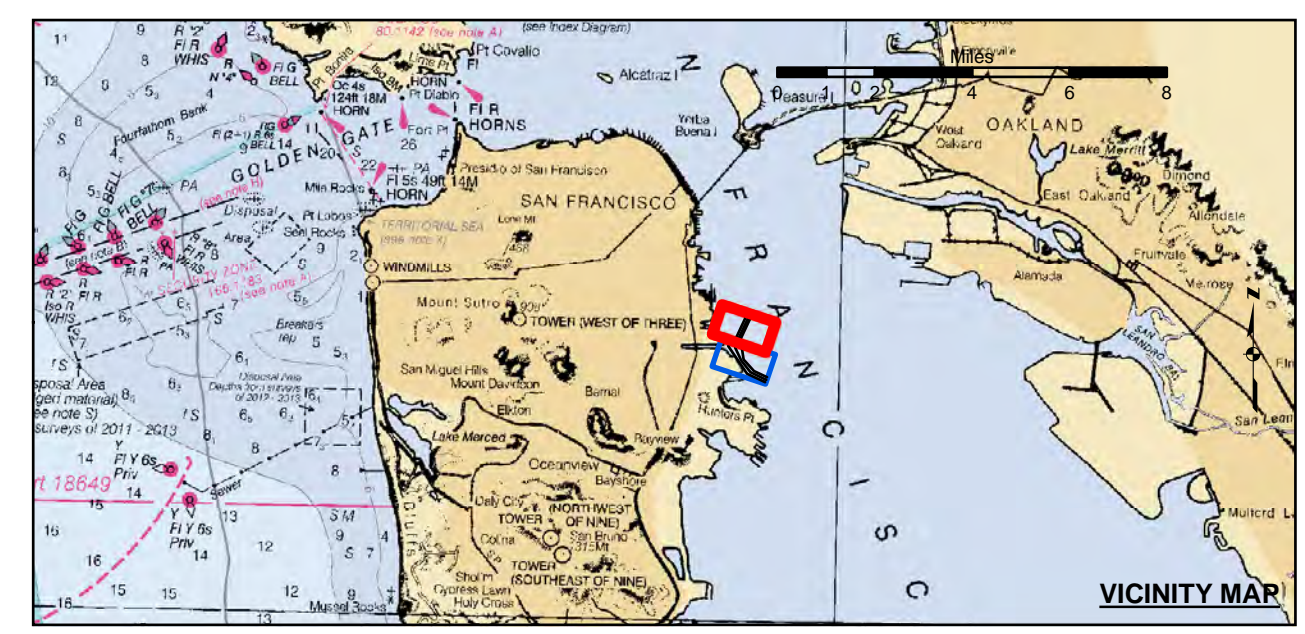
NAD 83 CHANNEL ANGLE POINTS		
PT	X	Y
01	6021730.30	2104021.63
02	6020315.00	2100996.00
03	6019609.66	2100404.62
04	6021657.00	2097397.00
05	6023590.57	2096492.83
06	6023831.00	2097007.00
07	6022376.00	2097709.00
08	6021252.00	2098946.00
09	6020945.00	2101137.00
10	6022187.00	2103808.00



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Prepared Under the Direction of	Chart Date:
TRAVIS J. RAYFIELD	Jul 23, 2018
LT Colonel, C.E., District Engineer	Designed by:
Subject: Hydro Survey Team Leader	PDT
Recommended by:	Checked by:
Chief, Hydro Survey Section	PDT
Approved by:	Drawn by:
Chief, Construction Branch	PDT

CALIFORNIA  
**ISLAIS CREEK**  
 CONDITION SURVEY  
 17 JULY 2018  
 SAN FRANCISCO BAY

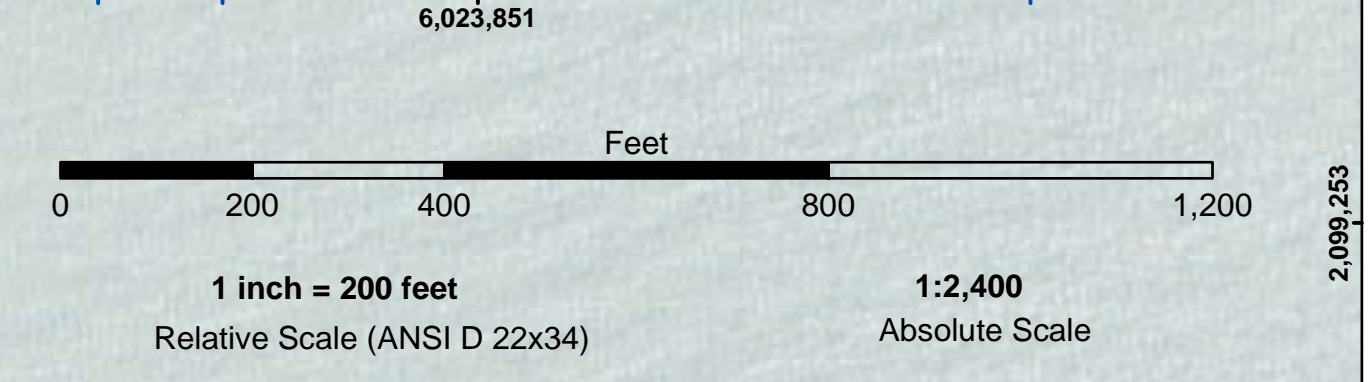
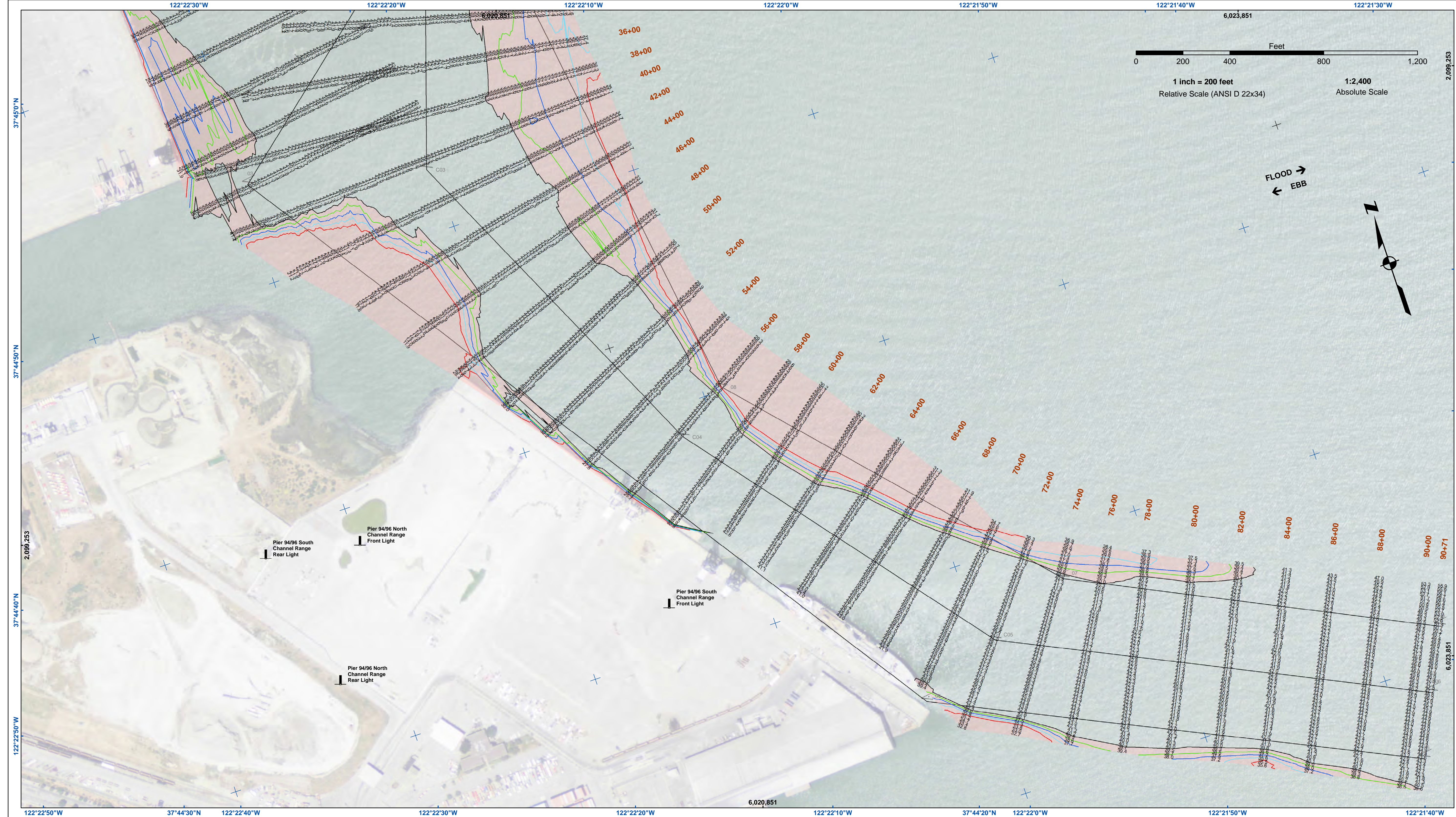


Federal Navigation Channel	Beacon, General	<b>Contours</b>
Shoaling Area	Obstruction Point	-40
Placement Area	Navigation Buoy	-39
Anchorage Area	Navigation Buoy	-38
Wreck Area	Shoalest Sounding*	-36
Submerged Wreck		
Angle Point		

**NOTES:**  
 HORIZONTAL COORDINATE SYSTEM:  
 THE LOCATION OF ALL NAVIGATION AIDS ARE BASED ON NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE III. DISTANCE UNITS IN U.S. SURVEY FEET.  
 VERTICAL DATUM:  
 SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MEAN LOWER LOW WATER.  
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY CONDUCTED ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED TO REPRESENT THE GENERAL CONDITION EXISTING AT THAT TIME.  
 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.  
 \*SHOALEST SOUNDING PER QUARTER PER REACH

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.  
 SURVEYED BY THE CORPS OF ENGINEERS.  
 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. BASE MAPS ARE USDA NAIP 2010.  
 THE PROJECT DEPTH IS 40 FEET AT M.L.L.W. SOUNDINGS ARE BASED ON THE TIDE GAUGE LOCATED AT THE HYDE STREET PIER, SAN FRANCISCO, CALIFORNIA.  
 VERTICAL CONTROL:  
 BM 4 1941  
 PID: HT0616  
 MLLW = 4.796M (15.735 FT)  
 NOAA STATION 941 4368  
 TIDE GAUGE LOCATION: ISLAIS CREEK, PIER 80  
 HORIZONTAL CONTROL:  
 COAST GUARD DGPS BEACON

**Sheet Reference Number**  
 1 of 2



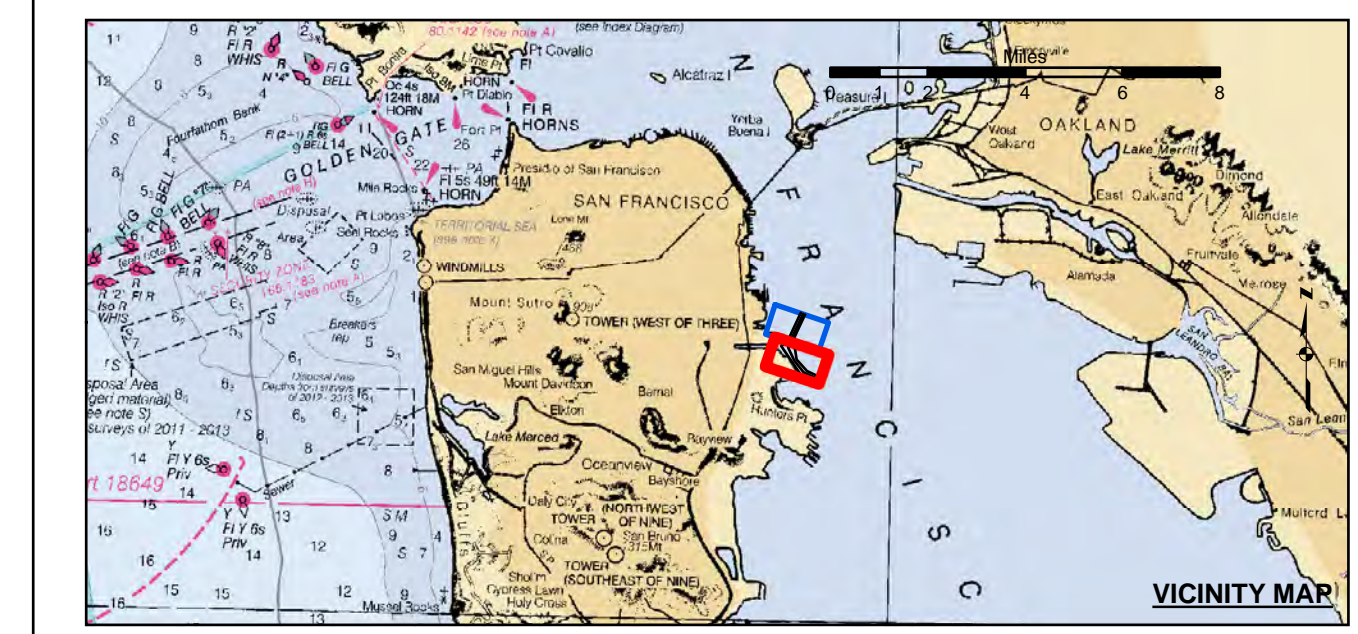
**US Army Corps of Engineers**  
 San Francisco District  
 1455 Market Street  
 San Francisco, CA 94103

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Chart Date:	Jul 23, 2018
Designed by:	PDT
Plotted by:	PDT
Checked by:	PDT
Drawn by:	PDT

CALIFORNIA  
**ISLAIS CREEK**  
 CONDITION SURVEY  
 17 JULY 2018

**Sheet Reference Number**  
 2 of 2



Federal Navigation Channel	Beacon, General	<b>Contours</b>
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