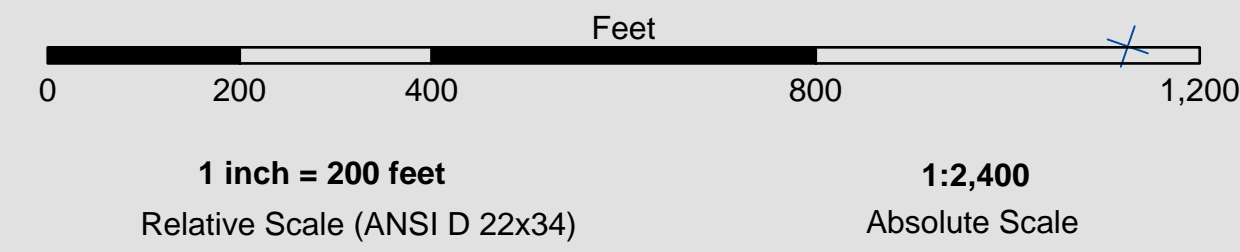


**PRELIMINARY ISSUE**  
THIS PLAN ISSUED FOR  
ADVANCE INFORMATION ONLY



- |  |                            |  |                    |                      |  |    |
|--|----------------------------|--|--------------------|----------------------|--|----|
|  | Federal Navigation Channel |  | Beacon, General    | <b>Contour Lines</b> |  | 51 |
|  | Shoaling Area              |  | Obstruction Point  |                      |  | 52 |
|  | Placement Area             |  | Navigation Buoy    |                      |  | 53 |
|  | Anchorage Area             |  | Navigation Buoy    |                      |  | 55 |
|  | Wreck Area                 |  | Shoalest Sounding* |                      |  |    |
|  | Submerged Wreck            |  |                    |                      |  |    |
|  | Angle Point                |  |                    |                      |  |    |

NOTES:  
HORIZONTAL COORDINATE SYSTEM:  
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.  
\*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 SURVEY. BUOY LOCATIONS REPRESENT THE POSITION OF THE SINKER ONLY.  
INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME.  
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, NAVD 88.  
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. 235, PUBLISHED BY NATIONAL OCEAN SURVEY.  
THE PROJECT DEPTH IS 55 FEET AT M.L.L.W. SOUNDINGS ARE BASED ON THE TIDE GAUGE LOCATED AT THE HYDE STREET PIER, SAN FRANCISCO, CALIFORNIA.  
VERTICAL CONTROL:  
BENCHMARK "Q-481" USCGS DISK ELEV. 19.54 FT MLLW.  
HORIZONTAL CONTROL:  
COAST GUARD D-BEACON.

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

**DISCLAIMER:** The United States Government furnishes this information as a service to the public. It is not intended to be used for navigation. The data represents the results of data collected by the United States Coast Survey. The United States Government makes no warranty, expressed or implied, concerning the accuracy, completeness, or reliability of this information for any particular purpose. The user is responsible for the results of any application of this information. The user is responsible for the results of any application of this information. The user is responsible for the results of any application of this information. The user is responsible for the results of any application of this information.

Prepared Under the Direction of	Chart Date:	May 20, 2015
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Chief, Construction Branch		

CALIFORNIA  
SAN FRANCISCO BAY  
SAN FRANCISCO  
MAINSHIP CHANNEL  
PREDRIDGE SURVEY  
18 MAY 2018

Sheet  
Reference  
Number  
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