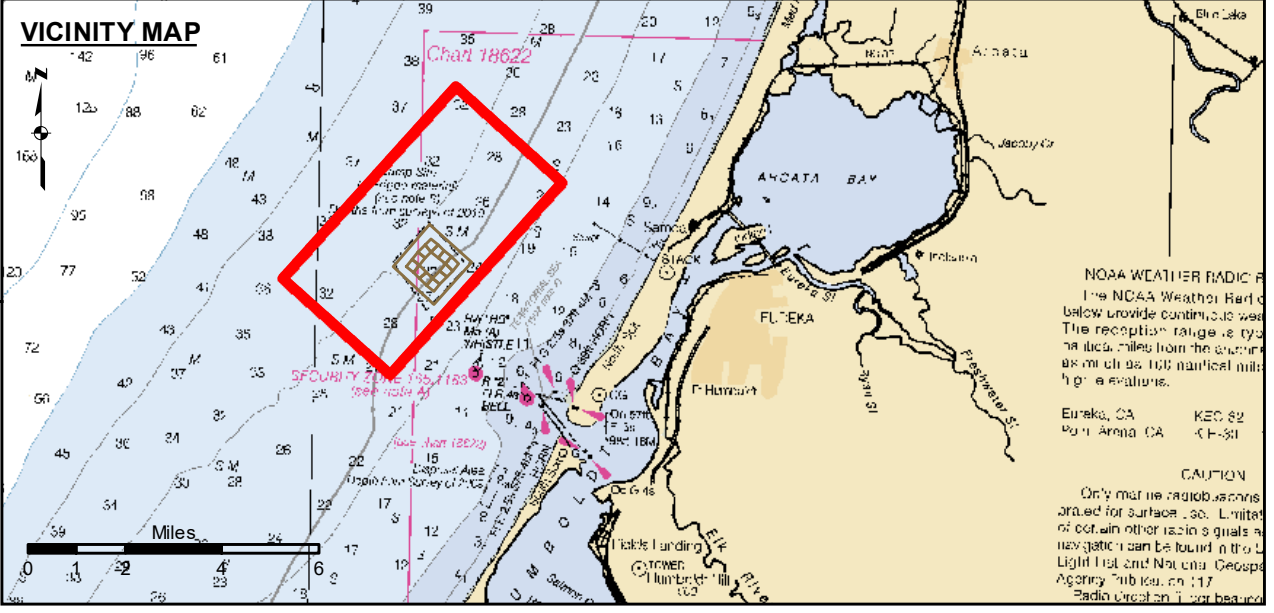


**US Army Corps of Engineers**  
 San Francisco District  
 450 Golden Gate Ave  
 San Francisco, CA 94102

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Chart Date:	Apr 30, 2021
Designed by:	PDT
Surveyed By:	PDT
Plotted By:	PDT
Checked By:	PDT
Drawn by:	PDT

**CALIFORNIA**  
**HUMBOLDT BAY**  
**OPEN OCEAN DISPOSAL SITE**  
**SF\_24\_HBX\_20210424\_CS**  
 24 April 2021  
 4-2-20200420



- Federal Navigation Channel
- Shoaling Area
- Placement Area
- Anchorage Area
- Wreck Area
- Submerged Wreck
- Zone\_I\_Angle\_Points
- Beacon, General
- Obstruction Point
- Navigation Buoy
- Navigation Buoy
- Shoalest Sounding\*

**Contours EVERY 10'**

NOTES:  
 DRAWINGS NOT TO BE USED AS 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 LOCATION 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 THE STATE OF CALIFORNIA COORDINATE SYSTEM, LAMBERT CONFORMAL PROJECTION, ZONE 18N, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, U.S. DEPARTMENT OF COMMERCE.

PROJECT DETAILS ARE AS FOLLOWS:  
 BAY & ENTRANCE CHANNEL: 48 FEET  
 NORTH BAY, SAMOIA TO MILE 5.0 & 38 FEET  
 EUREKA CHANNEL, FIELDS LANDING CHANNEL & MILE 5.0 TO "N" STREET = 26 FEET

1:00 INDICATES THE NUMBER AND BEGINNING OF A LINE OF SOUNDINGS.  
 SOUNDINGS ARE BASED ON TIDE GAUGES REFERENCED TO U.S.C. & G.S.  
 Vertical and Horizontal Control:  
 NOAA Station: 941 8767 - North Spit, CA  
 Benchmark:  
 NO 11 1940 (PD: LV0359)  
 MLLW Elev 4.25 m  
 Tides:  
 RTK GPS, using GEIOD12a and VDATUM  
 RTK elevations calibrated at 10.0ft nail at Coast Guard Station Humboldt Bay  
 Position:  
 RTK Positions

**Sheet Reference Number 1 of 1**