

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

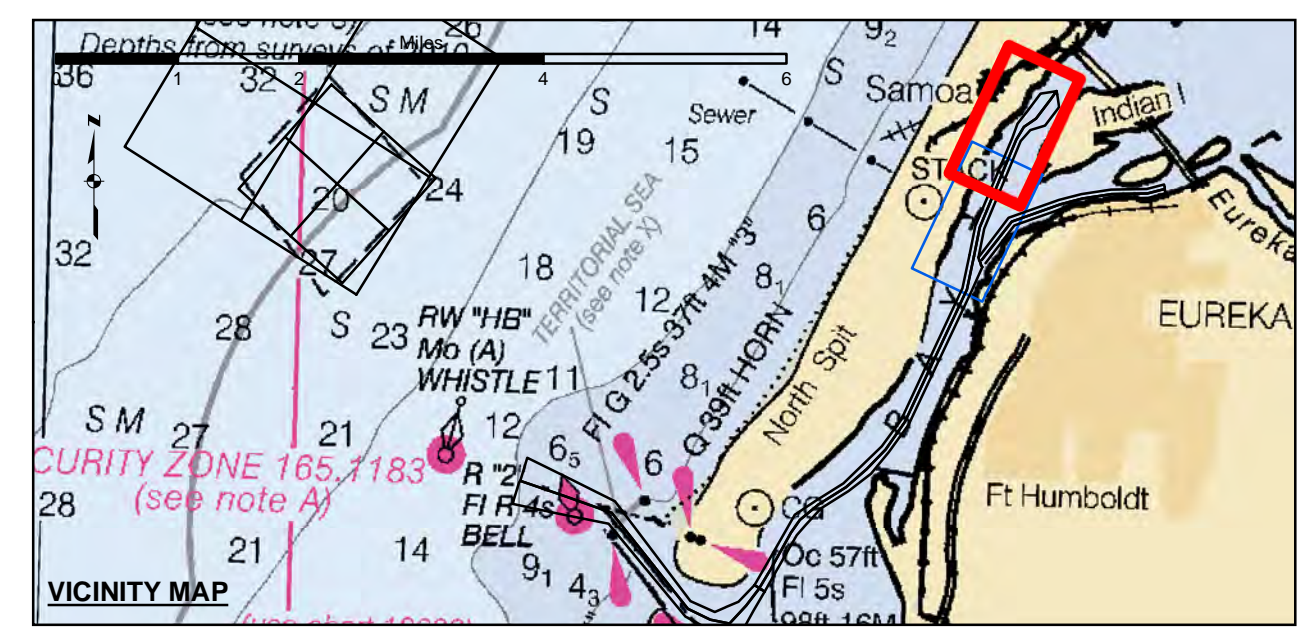
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| Prepared Under the Direction of | Chart Date | July 10, 2023 |
| LT COLONEL W. SHEBESTA | Surveyed By | PDT |
| Subject: Hydro Survey Team Leader | Plotted By | PDT |
| Recommended: Chief, Hydro Survey Section | Checked By | PDT |
| Approved: Chief, Construction Branch | Drawn by | PDT |

CALIFORNIA
 HUMBOLDT COUNTY
HUMBOLDT BAY
SAMOA CHANNEL
 POST-DREDGE SURVEY
 29 JUNE - 01 JULY 2023

Sheet Number
 1 of 2

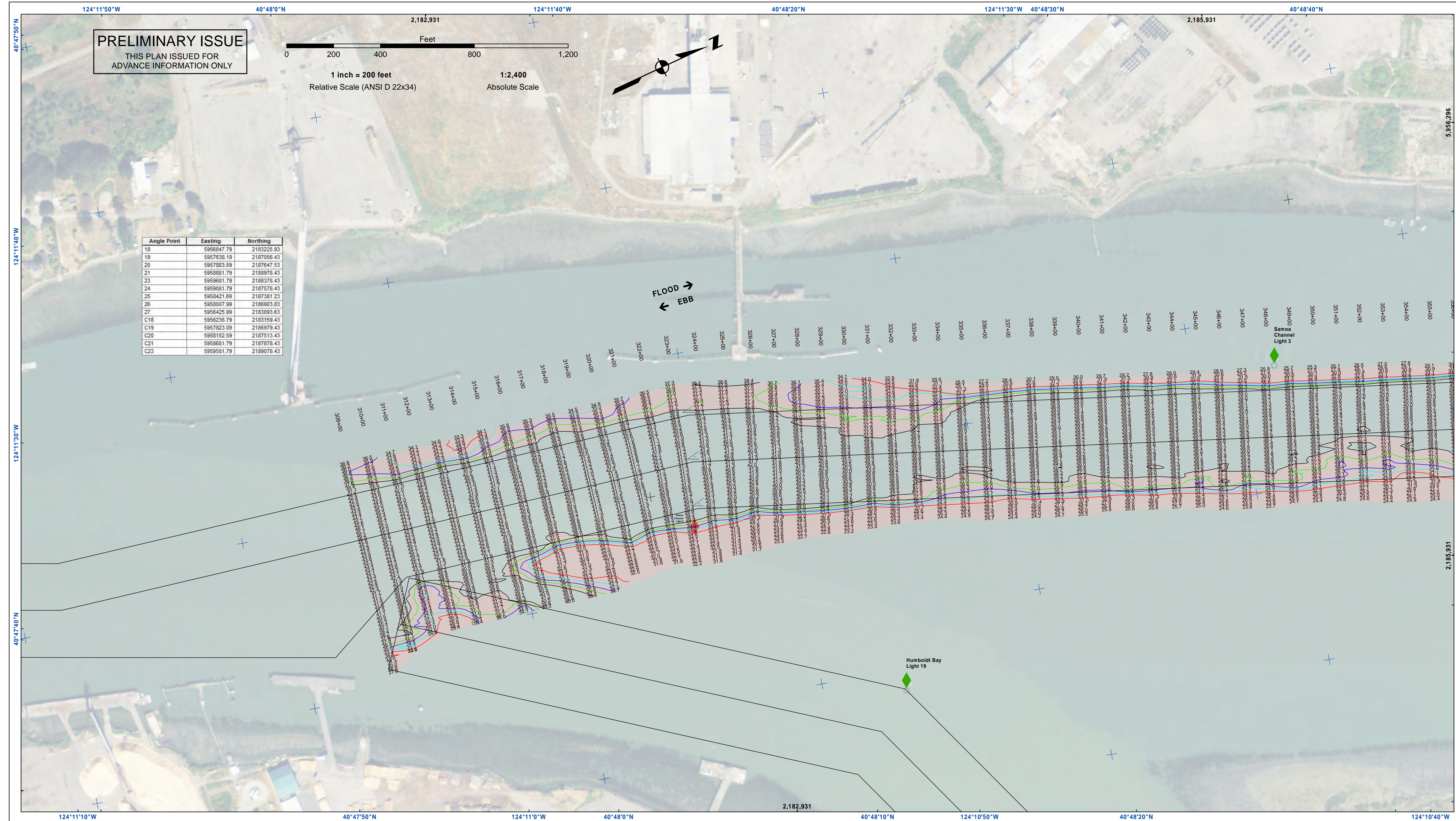
| Angle Point | Easting | Northing |
|-------------|------------|------------|
| 18 | 5956047.79 | 2183225.93 |
| 19 | 5957636.19 | 2187056.43 |
| 20 | 5957083.59 | 2187647.53 |
| 21 | 5958681.79 | 2188978.43 |
| 23 | 5959681.79 | 2188378.43 |
| 24 | 5959081.79 | 2187578.43 |
| 25 | 5958421.69 | 2187381.23 |
| 26 | 5958007.99 | 2186903.83 |
| 27 | 5956425.99 | 2183093.63 |
| C18 | 5956236.79 | 2183159.43 |
| C19 | 5957823.09 | 2186979.43 |
| C20 | 5958152.59 | 2187513.43 |
| C21 | 5958681.79 | 2187878.43 |
| C23 | 5959581.79 | 2189078.43 |



| | | |
|----------------------------|--------------------|-----------------|
| Federal Navigation Channel | Beacon, General | Contours |
| Shoaling Area | Obstruction Point | -38 |
| Placement Area | Navigation Buoy | -37 |
| Anchorage Area | Navigation Buoy | -36 |
| Wreck Area | Shoalest Sounding* | -35 |
| Submerged Wreck | | -34 |
| Angle Point | | |

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 TO THE NEAREST TENTH FOOT.
 SURVEYED BY THE CORPS OF ENGINEERS.
 SOUNDING FOR THE CHANNEL MEASURED WITH MULTIBEAM ECHOSOUNDER AND ARE SHOWN TO THE NEAREST TENTH 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 1 NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY.

PROJECT DEPTHS ARE AS FOLLOWS:
 BAR & ENTRANCE CHANNEL = 48 FEET
 NORTH BAY, SAMOA TO MILE 5.0 & = 38 FEET
 EUREKA CHANNEL, FIELDS LANDING CHANNEL & MILE 5.0 TO "N" STREET = 26 FEET
 SOUNDINGS ARE BASED ON TIDE GAUGES REFERENCED TO U.S.C. & G.S.
 1:00 INDICATES THE NUMBER AND BEGINNING OF A LINE OF SOUNDINGS.
 BENCH MARKS AS FOLLOWS:
 EUREKA & SAMOA CHANNELS - B.M. NO. 4 (1906) ELEV. 33.61' M.L.L.W.
 ENTRANCE & NORTH BAY CHANNELS - B.M. NO. 9 (1937) ELEV. 16.35' M.L.L.W.
 FIELDS LANDING CHANNEL - B.M. NO. 5 (1925) ELEV. 8.52' M.L.L.W.



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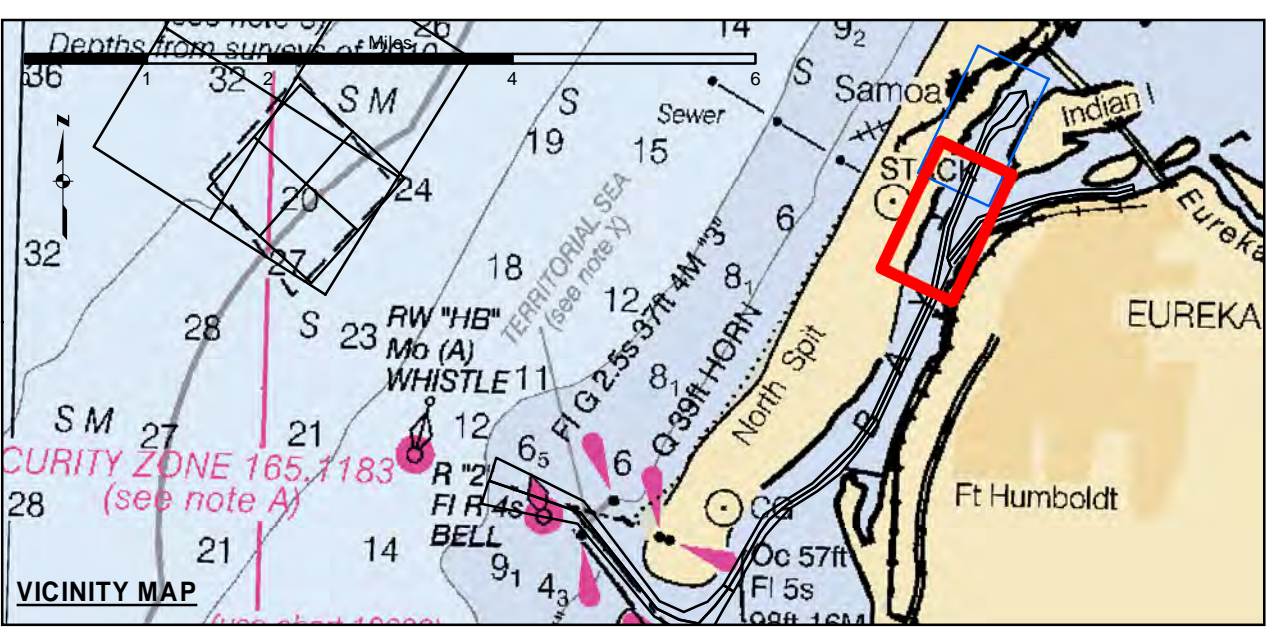
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| Prepared Under the Direction of TIMOTHY W. SHEBESTA LT COLONEL, C.E., DISTRICT ENGINEER | Chart Date: Jul 10, 2023 |
| Submitted: Hydro Survey Team Leader | Designed by: PDT |
| Recommended: Chief, Hydro Survey Section | Drawn by: PDT |
| Approved: Chief, Construction Branch | PDT |

CALIFORNIA
HUMBOLDT COUNTY
HUMBOLDT BAY
SAMOA CHANNEL
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