



Legend

- 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 -44

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:
SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTHS 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 I 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, SAMOIA TO MILE 5.0 & 38 FEET
EUREKA CHANNEL, MILLS 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. BENCH MARKS AS FOLLOWS:
EUREKA & SOMMA CHANNELS - B.M. NO. 4 (1906) ELEV. 33.61' M.L.L.W.
ENTRANCE & NORTH BAY CHANNELS - B.M. NO. 9 (1837) ELEV. 16.35' M.L.L.W.
FIELDS LANDING CHANNEL - B.M. NO. 5 (1925) ELEV. 8.52' M.L.L.W.

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

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California
HUMBOLDT COUNTY
HUMBOLDT BAY
BAR & ENTRANCE CHANNEL
POST-DREDGE SURVEY
01 JULY 2015

Sheet Reference Number 1 of 2

NAD 83 CENTERLINE ANGLE POINTS HUMBOLDT BAY (BAR & ENTRANCE)

| PT | X | Y |
|-----|------------|------------|
| C1 | 5936273.49 | 2172157.43 |
| C2 | 5938147.59 | 2171508.43 |
| C3 | 5940021.69 | 2170959.43 |
| C4 | 5941895.79 | 2170410.43 |
| C5 | 5943769.89 | 2169861.43 |
| C6 | 5945643.99 | 2169312.43 |
| C7 | 5947518.09 | 2168763.43 |
| C8 | 5949392.19 | 2168214.43 |
| C9 | 5951266.29 | 2167665.43 |
| C10 | 5953140.39 | 2167116.43 |
| C11 | 5955014.49 | 2166567.43 |
| C12 | 5956888.59 | 2166018.43 |
| C13 | 5958762.69 | 2165469.43 |
| C14 | 5960636.79 | 2164920.43 |
| C15 | 5962510.89 | 2164371.43 |
| C16 | 5964384.99 | 2163822.43 |
| C17 | 5966259.09 | 2163273.43 |
| C18 | 5968133.19 | 2162724.43 |
| C19 | 5970007.29 | 2162175.43 |
| C20 | 5971881.39 | 2161626.43 |
| C21 | 5973755.49 | 2161077.43 |
| C22 | 5975629.59 | 2160528.43 |
| C23 | 5977503.69 | 2159979.43 |

NAD 83 CHANNEL ANGLE POINTS HUMBOLDT BAY (BAR & ENTRANCE)

| PT | X | Y |
|----|------------|------------|
| 1 | 5936981.79 | 2173163.63 |
| 2 | 5938855.89 | 2172614.63 |
| 3 | 5940730.00 | 2172065.63 |
| 4 | 5942604.10 | 2171516.63 |
| 5 | 5944478.20 | 2170967.63 |
| 6 | 5946352.30 | 2170418.63 |
| 7 | 5948226.40 | 2169869.63 |
| 8 | 5950100.50 | 2169320.63 |
| 9 | 5951974.60 | 2168771.63 |
| 10 | 5953848.70 | 2168222.63 |
| 11 | 5955722.80 | 2167673.63 |
| 12 | 5957596.90 | 2167124.63 |
| 13 | 5959471.00 | 2166575.63 |
| 14 | 5961345.10 | 2166026.63 |
| 15 | 5963219.20 | 2165477.63 |
| 16 | 5965093.30 | 2164928.63 |
| 17 | 5966967.40 | 2164379.63 |
| 18 | 5968841.50 | 2163830.63 |
| 19 | 5970715.60 | 2163281.63 |
| 20 | 5972589.70 | 2162732.63 |
| 21 | 5974463.80 | 2162183.63 |
| 22 | 5976337.90 | 2161634.63 |
| 23 | 5978212.00 | 2161085.63 |
| 24 | 5980086.10 | 2160536.63 |
| 25 | 5981960.20 | 2159987.63 |
| 26 | 5983834.30 | 2159438.63 |
| 27 | 5985708.40 | 2158889.63 |
| 28 | 5987582.50 | 2158340.63 |
| 29 | 5989456.60 | 2157791.63 |
| 30 | 5991330.70 | 2157242.63 |
| 31 | 5993204.80 | 2156693.63 |
| 32 | 5995078.90 | 2156144.63 |
| 33 | 5996953.00 | 2155595.63 |
| 34 | 5998827.10 | 2155046.63 |
| 35 | 6000701.20 | 2154497.63 |
| 36 | 6002575.30 | 2153948.63 |
| 37 | 6004449.40 | 2153399.63 |
| 38 | 6006323.50 | 2152850.63 |
| 39 | 6008197.60 | 2152301.63 |
| 40 | 6010071.70 | 2151752.63 |
| 41 | 6011945.80 | 2151203.63 |
| 42 | 6013819.90 | 2150654.63 |
| 43 | 6015694.00 | 2150105.63 |
| 44 | 6017568.10 | 2149556.63 |
| 45 | 6019442.20 | 2149007.63 |
| 46 | 6021316.30 | 2148458.63 |
| 47 | 6023190.40 | 2147909.63 |

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