

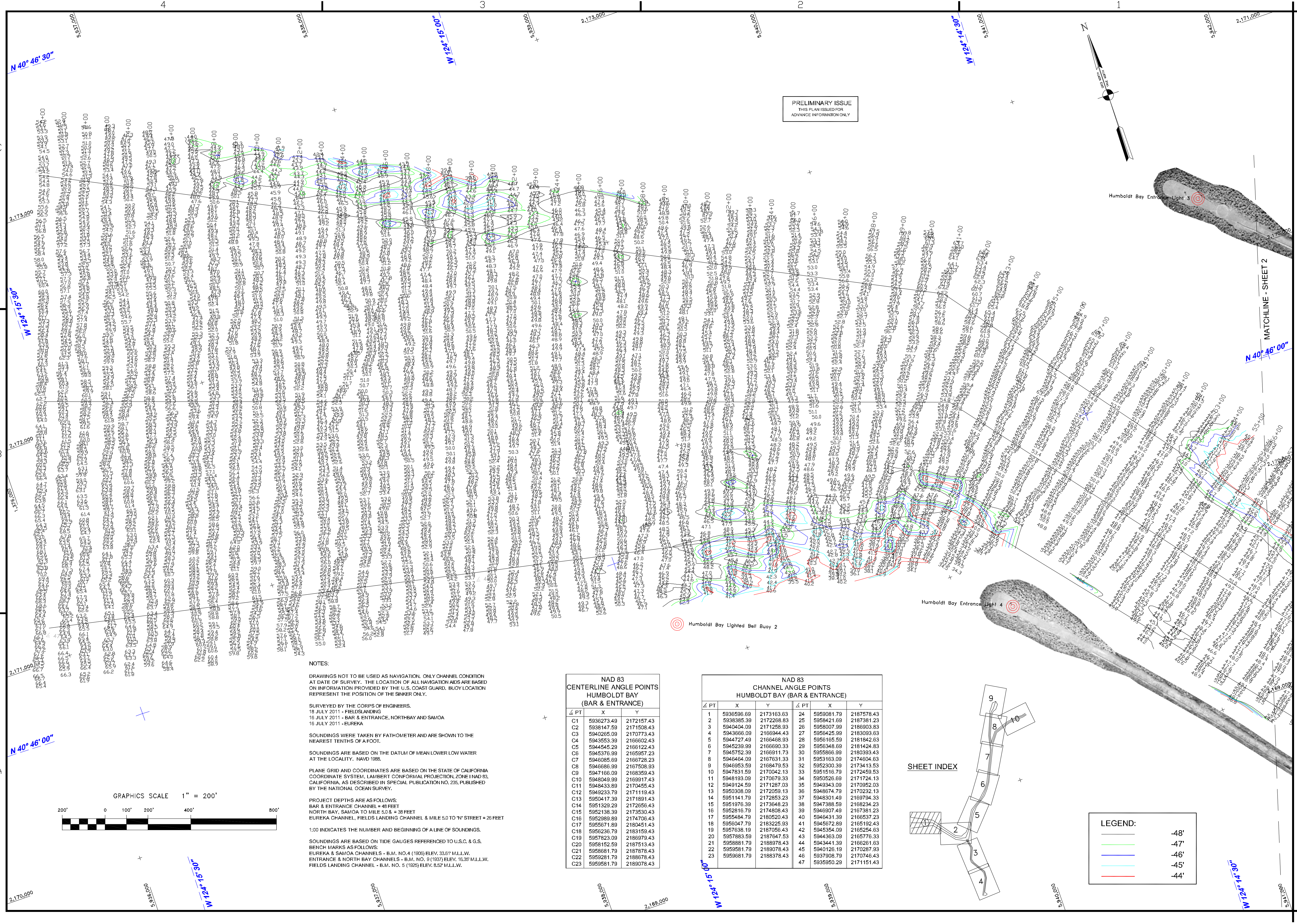
PRELIMINARY ISSUE
 THIS PLAN ISSUED FOR
 ADVANCE INFORMATION ONLY

| Mark | Description | Date | Appr. |
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|-----------------------|------------------------------------|----------------------------------|------------------|
| DESIGNED BY: | PDI | CHECKED BY: | PDI |
| DRAWN BY: | PDI | DRAWING NO.: | XXX |
| DATE: | 8/2/2011 | SHEET NO.: | 1 OF 10 |
| APPROVAL RECOMMENDED: | TORREY A. DICIRO | PREPARED UNDER THE DIRECTION OF: | TORREY A. DICIRO |
| APPROVED: | LT. COLONEL C.E. DISTRICT ENGINEER | | |

HUMBOLDT COUNTY
 CALIFORNIA
**HUMBOLDT BAY
 BAR & ENTRANCE**
 POSTDRIDGE SURVEY
 16 JULY 2011

Sheet reference number
C1



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.

SURVEYED BY THE CORPS OF ENGINEERS.
 18 JULY 2011 - FIELDS LANDING
 15 JULY 2011 - BAR & ENTRANCE, NORTH BAY AND SAMOIA
 16 JULY 2011 - EUREKA

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. NAVD 1988.

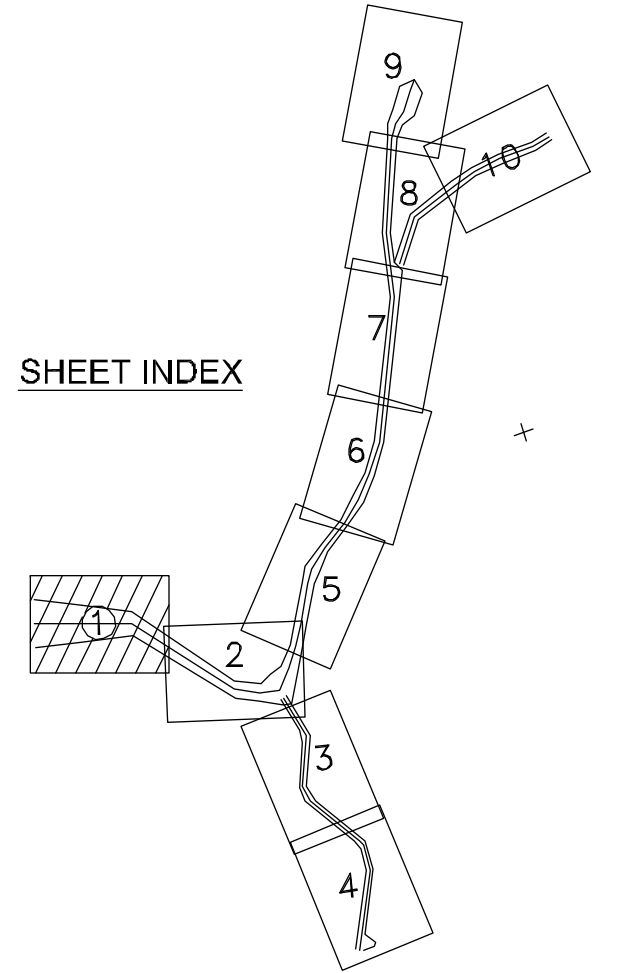
PLANE GRID AND COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM, LAMBERT CONFORMAL PROJECTION, ZONE 12N AD 82, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 25, PUBLISHED BY THE NATIONAL OCEAN SURVEY.

PROJECT DEPTHS ARE AS FOLLOWS:
 BAR & ENTRANCE CHANNEL = 40 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. BENCH MARKS AS FOLLOWS:
 EUREKA & SAMOIA CHANNELS - B.M. NO. 4 (1905) ELEV. 33.61' M.L.L.W.
 ENTRANCE & NORTH BAY CHANNELS - B.M. NO. 3 (1907) ELEV. 63.39' M.L.L.W.
 FIELDS LANDING CHANNEL - B.M. NO. 5 (1925) ELEV. 8.52' M.L.L.W.

| NAD 83 CENTERLINE ANGLE POINTS HUMBOLDT BAY (BAR & ENTRANCE) | | | | | |
|---|------------|------------|------|------------|------------|
| Δ PT | X | Y | Δ PT | X | Y |
| C1 | 5936273.49 | 2172157.43 | 24 | 5959081.79 | 2187576.43 |
| C2 | 5938147.59 | 2171508.43 | 25 | 5958421.69 | 2187381.23 |
| C3 | 5940265.09 | 2170773.43 | 26 | 5958007.99 | 2186903.83 |
| C4 | 5943553.39 | 2166002.43 | 27 | 5956425.99 | 2183093.63 |
| C5 | 5944545.29 | 2166122.43 | 28 | 5956105.59 | 2181942.23 |
| C6 | 5945376.99 | 2165572.23 | 29 | 5956348.69 | 2181424.93 |
| C7 | 5946085.69 | 2166726.23 | 30 | 5955866.99 | 2180393.43 |
| C8 | 5946686.99 | 2167508.93 | 31 | 5955163.09 | 2174604.63 |
| C9 | 5947166.09 | 2168359.43 | 32 | 5954300.39 | 2173413.53 |
| C10 | 5948049.99 | 2169917.43 | 33 | 5951516.79 | 2172459.53 |
| C11 | 5948433.89 | 2170455.43 | 34 | 5948193.09 | 2170679.33 |
| C12 | 5949233.79 | 2171119.43 | 35 | 5944727.49 | 2169468.93 |
| C13 | 5950417.39 | 2171891.43 | 36 | 5940874.79 | 2168321.13 |
| C14 | 5951329.29 | 2172656.43 | 37 | 5938141.79 | 2167285.23 |
| C15 | 5952136.39 | 2173530.43 | 38 | 5934738.59 | 2166234.23 |
| C16 | 5952989.89 | 2174706.43 | 39 | 5946907.49 | 2165381.23 |
| C17 | 5955671.89 | 2180451.43 | 40 | 5946431.39 | 2166537.23 |
| C18 | 5956236.79 | 2183159.43 | 41 | 5945672.89 | 2165192.43 |
| C19 | 5957823.09 | 2186979.43 | 42 | 5947636.19 | 2165254.63 |
| C20 | 5959152.59 | 2187513.43 | 43 | 5957893.99 | 2165776.33 |
| C21 | 5958681.79 | 2187878.43 | 44 | 5943441.39 | 2166261.63 |
| C22 | 5959281.79 | 2188678.43 | 45 | 5940126.19 | 2170287.93 |
| C23 | 5959581.79 | 2189078.43 | 46 | 5937908.79 | 2170746.43 |
| | | | 47 | 5935950.29 | 2171151.43 |



LEGEND:

| | |
|-----|------|
| --- | -48' |
| --- | -46' |
| --- | -45' |
| --- | -44' |