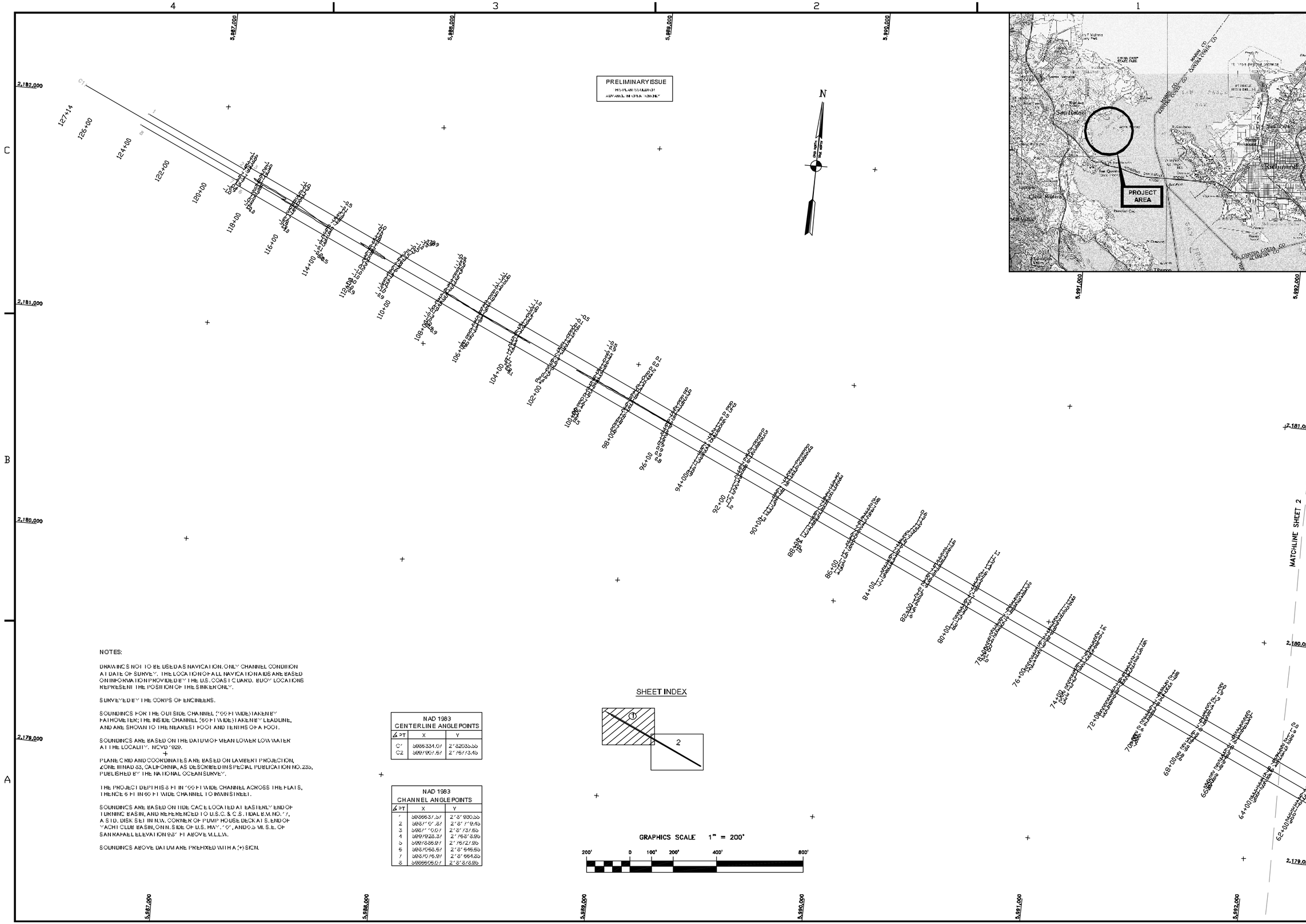


NOTES:

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 LOCATIONS REPRESENT THE POSITION OF THE SINKER ONLY.

SURVEYED BY THE CORPS OF ENGINEERS.

SOUNDINGS FOR THE OUTSIDE CHANNEL (100 FT WIDE) TAKEN BY FATHOMETER; THE INSIDE CHANNEL (50 FT WIDE) TAKEN BY LEADLINE, AND ARE SHOWN TO THE NEAREST FOOT AND TENTHS OF A FOOT.

SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY. NGVD 1929.

PLANE GRID AND COORDINATES ARE BASED ON LAMBERT PROJECTION, ZONE III NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY.

THE PROJECT DEPTH IS 8 FT IN 100 FT WIDE CHANNEL ACROSS THE FLATS, THENCE 6 FT IN 50 FT WIDE CHANNEL TO IRWIN STREET.

SOUNDINGS ARE BASED ON TIDE GAGE LOCATED AT EASTERLY END OF TURNING BASIN, AND REFERENCED TO U.S.C. & G.S. TIDAL B.M. NO. 17, A STD. DISK SET IN N.W. CORNER OF PUMP HOUSE DECK AT S. END OF YACHT CLUB BASIN, ON N. SIDE OF U.S. HWY. 101, AND 0.5 MI. S.E. OF SAN RAFAEL ELEVATION 9.81 FT ABOVE M.L.L.W.

SOUNDINGS ABOVE DATUM ARE PREFIXED WITH A (+) SIGN.

NAD 1983
CENTERLINE ANGLE POINTS

| ∠ PT | X | Y |
|---|---|---|
| C1 | 5986334.07 | 2182035.55 |
| C2 | 5997907.67 | 2175773.45 |

NAD 1983
CHANNEL ANGLE POINTS

| ∠ PT | X | Y |
|---|---|---|
| 1 | 5986637.57 | 2181930.55 |
| 2 | 5987101.87 | 2181719.45 |
| 3 | 5987110.07 | 2181737.55 |
| 4 | 5997928.37 | 2175818.95 |
| 5 | 5997886.97 | 2175727.95 |
| 6 | 5987068.67 | 2181646.55 |
| 7 | 5987076.97 | 2181664.85 |
| 8 | 5986606.07 | 2181878.95 |

US Army Corps of Engineers
San Francisco District
333 Market Street
San Francisco, CA 94105

| Mark | Description | Date | Appr. |
|---|---|---|---|

| | | | |
|---|---|---|---|
| SUBMITTED: TVW | DESIGNED BY: | CHECKED BY: PC | DRAWN BY: EWC |
| Hydro Survey Section | DATE: | SHEET NO. | DRAWING NO. |
| APPROVAL RECOMMENDED: | 5/14/2004 | 1 OF 2 | X X XXX |
| Chief, Engineering Branch | PREPARED UNDER THE DIRECTION OF | | |
| APPROVED: | MICHAEL McCORMICK | | |
| Chief, Engineering & Technical Services Div. | LT. COLONEL, C.E., DISTRICT ENGINEER | | |

MARIN COUNTY CALIFORNIA

# SAN RAFAEL CREEK ACROSS THE FLAT

CONDITION SURVEY
6 MAY 2004

Sheet reference number
C1