



US Army Corps
of Engineers
San Francisco District
1455 Market Street
San Francisco, CA 94103

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| Mark | Description | Date | Appr. |
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|--------------------------------------|-------------|-----------|
| DESIGNED BY: | CHECKED BY: | DRAWN BY: |
| DATE: | DATE: | DATE: |
| 2/4/2009 | 2 OF 16 | 4 |
| 239 | 2 | 2 |
| APPROVAL RECOMMENDED: | | |
| CHIEF, Technical Support Section | | |
| APPROVED: | | |
| LAURENCE M. FARRELL | | |
| PREPARED UNDER THE DIRECTION OF | | |
| LT. COLONEL, C.E., DISTRICT ENGINEER | | |
| CHIEF, Construction Branch | | |

CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
COMPOSITE CONDITION SURVEY
5, 20-21, 30 DECEMBER 2008 &
2, 8, 16-17 JANUARY 2009

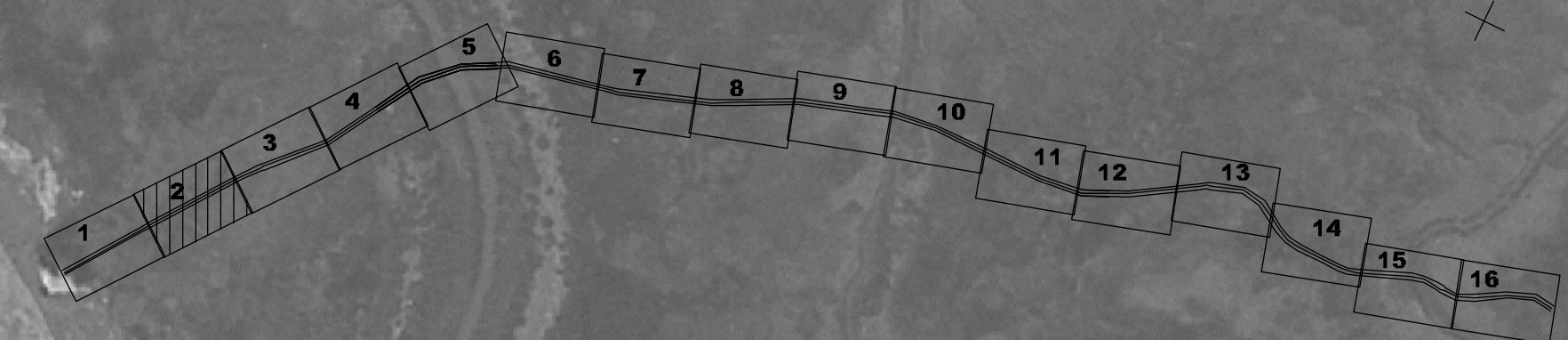
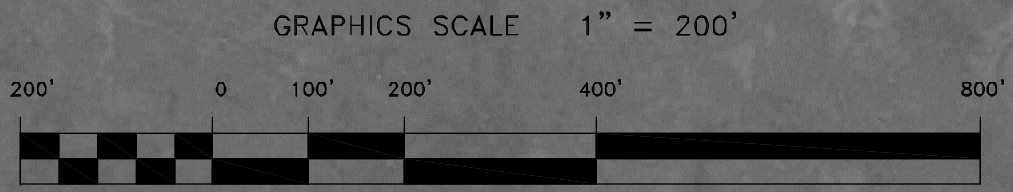
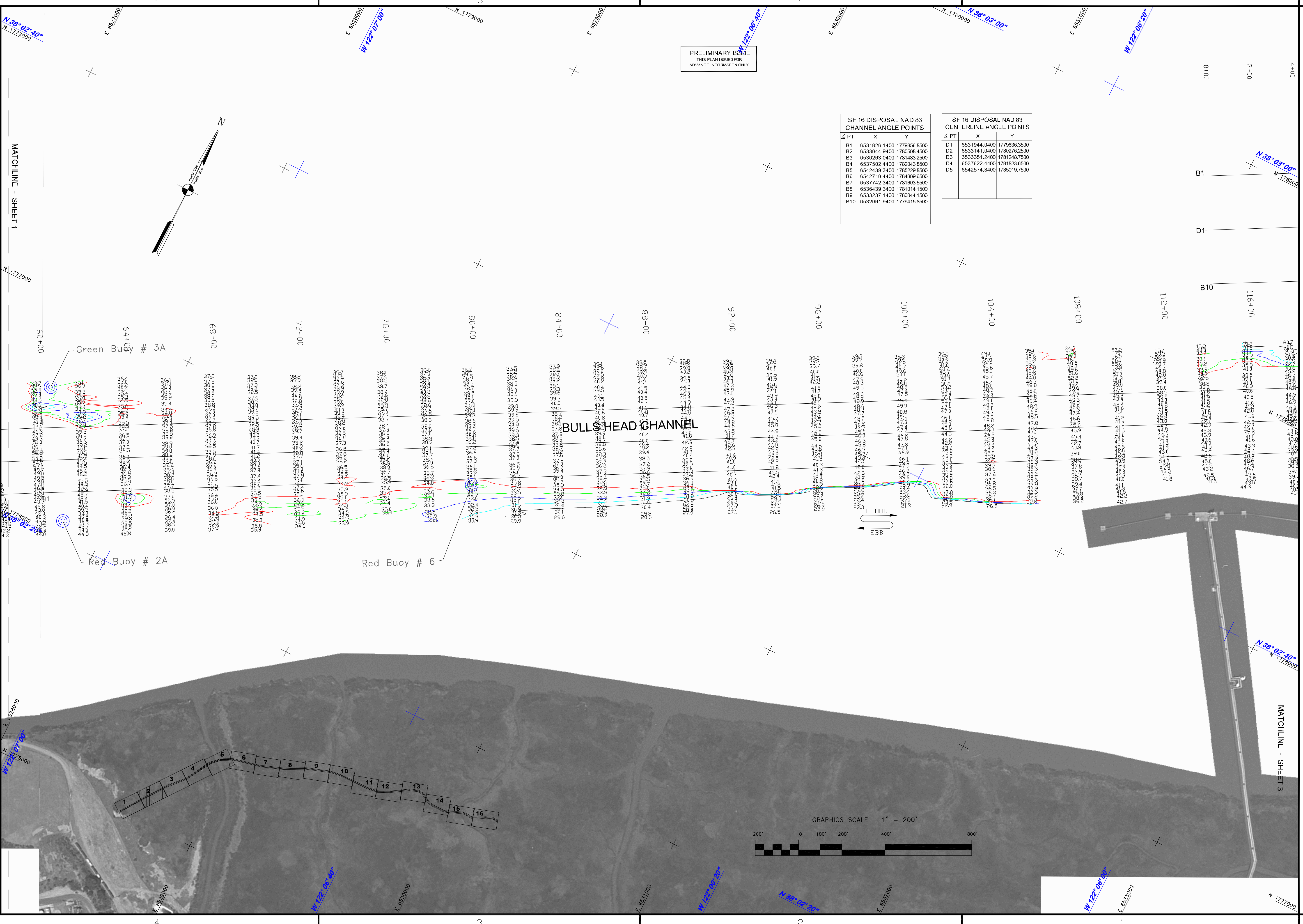
Sheet
reference
number
C2

PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY

| Δ PT | X | Y |
|------|--------------|--------------|
| B1 | 6531826.1400 | 1778056.8500 |
| B2 | 6533044.9400 | 1780508.4500 |
| B3 | 6536283.0400 | 1781483.2500 |
| B4 | 6537502.4400 | 1782043.8500 |
| B5 | 6542439.3400 | 1785229.8500 |
| B6 | 6542710.4400 | 1784809.8500 |
| B7 | 6537742.3400 | 1781603.3500 |
| B8 | 6536439.3400 | 1781014.1500 |
| B9 | 6533237.1400 | 1780044.1500 |
| B10 | 6532061.9400 | 1779415.8500 |

| Δ PT | X | Y |
|------|--------------|--------------|
| D1 | 6531944.0400 | 1779636.3500 |
| D2 | 6533141.0400 | 1780276.2500 |
| D3 | 6536351.2400 | 1781248.7500 |
| D4 | 6537622.4400 | 1781823.8500 |
| D5 | 6542574.8400 | 1785019.7500 |

BULLS HEAD CHANNEL



Matchlines: MATCHLINE - SHEET 1 (left), MATCHLINE - SHEET 3 (right)

Stationing: 60+00, 64+00, 68+00, 72+00, 76+00, 80+00, 84+00, 88+00, 92+00, 96+00, 100+00, 104+00, 108+00, 112+00, 116+00

Buoys: Green Buoy # 3A, Red Buoy # 2A, Red Buoy # 6

Tidal Indicators: FLOOD, EBB

Coordinates: N 1778000, E 6532000, N 1780000, E 6533000, N 1782000, E 6534000, N 1784000, E 6535000, N 1786000, E 6536000, N 1788000, E 6537000, N 1790000, E 6538000

Angles: N 38° 02' 40", W 122° 06' 20", N 38° 03' 00", W 122° 06' 40", N 38° 02' 20"