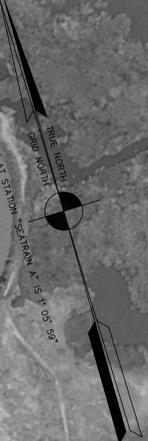


PRELIMINARY ISSUE
 DATE: 24 FEBRUARY 2003
 THIS PLAN ISSUED FOR
 ADVANCE INFORMATION ONLY

N.A.D. 1983 FEET COORDINATES		
CHANNEL /	NORTH	EAST
SA1-9	773901.57	8599256.55
SA1-8	773543.71	8599077.26
SA1-8	773700.06	8599759.13
SA2-1	774313.40	8598652.23
SA2-13	773614.79	8600291.83
SA2-2	773915.86	8600261.37
SA2-12	773364.99	8603556.93
SA2-3	772966.17	8603528.42
SA2-11	773200.93	8604408.52
SA2-4	772622.60	8604271.82
SA2-10	772783.99	8603166.76
SA2-5	772457.79	8604835.76
SA2-9	772580.51	8605453.51
SA2-6	772254.31	8605222.02



BROWNS ISLAND

WINTER ISLAND



NOTES:
 SURVEYED BY THE CORPS OF ENGINEERS.
 SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST FOOT AND HUNDREDTHS OF A FOOT. ELEVATIONS ARE BASED ON MLLW DATUM.
 1:00 INDICATES THE NUMBER AND BEGINNING OF A LINE OF SOUNDINGS.
 PLANE GRID AND NAD83 COORDINATES WERE DERIVED FROM PUBLISHED NAD27 CALIFORNIA ZONE II STATE PLANE COORDINATES, USING USGS NADCON CONVERSION METHODS.

NOTES:
 DRAWINGS NOT TO BE USED AS NAVIGATION CHARTS, 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.
 BASE MAPS WERE COMPILED BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY FLOWN AUGUST 1998.

SYMBOL	DESCRIPTION	DATE	APPROVAL
REVISIONS			
US ARMY CORPS OF ENGINEERS San Francisco District			
DRAWN BY: EWC		CONTRA COSTA CO. CALIFORNIA	
CHECKED BY: TW		NEW YORK SLOUGH CONDITION SURVEY 10-13 FEBRUARY 2003	
DESIGNED BY:			
SUBMITTED: PC		APPROVED: _____ DATE: _____	
HYDRO SURVEY SECTION		CHIEF ENGINEERING BRANCH	
APPROVAL RECOMMENDED:		CHIEF ENGINEERING & TECHNICAL SERVICES DIVISION	
PREPARED UNDER THE DIRECTION OF MICHAEL MCCORMICK LT. COLONEL, C.E., DISTRICT ENGINEER		SCALE: 1"=200' JOB NO.: _____ DRAWING NUMBER _____	
SHEET: 13 OF 14		4 2 212	