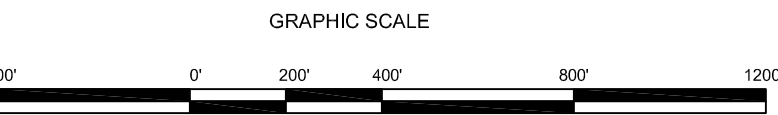


CENTERLINE ANGLE POINTS - NAD83			
CHANNEL	L	NORTH	EAST
C1		5948424.8258	2100405.0160
C2		5962509.9258	2105198.5160

CHANNEL ANGLE POINTS - NAD83			
CHANNEL	L	NORTH	EAST
A		5947978.6258	2101983.2160
B		5948871.1258	2098826.8160
C		5962061.8258	2106725.9160
D		5962358.0258	2103571.1160



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, 29 JANUARY 2009.
SOUNDINGS ARE TAKEN BY FATHOMETER 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, NAVD 88.
PLANE GRID AND COORDINATES ARE BASED ON LAMBERT PROJECTION, ZONE 18 NAD83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY.
THE PROJECT DEPTH IS 55 FEET AT M.L.L.W.
SOUNDINGS ARE BASED TIDE GAUGE LOCATED AT THE HYDE STREET PIER, SAN FRANCISCO, CALIFORNIA.
VERTICAL CONTROL
BENCHMARK "G-481" USCGS DISK ELEV. 19.54 FT. M.L.L.W.
HORIZONTAL CONTROL
COAST GUARD D-BEACON

E 5,948,000.00		E 5,950,000.00	
N 2,107,000.00		N 2,107,000.00	
N 37°45'40"		N 37°45'40"	
W 122°37'00"		W 122°34'40"	
E 5,950,000.00		E 5,952,000.00	
N 2,105,000.00		N 2,105,000.00	
N 37°45'20"		N 37°45'20"	
W 122°36'40"		W 122°34'40"	
E 5,952,000.00		E 5,954,000.00	
N 2,103,000.00		N 2,103,000.00	
N 37°45'00"		N 37°45'00"	
W 122°36'20"		W 122°34'40"	
E 5,954,000.00		E 5,956,000.00	
N 2,101,000.00		N 2,101,000.00	
N 37°44'20"		N 37°44'20"	
W 122°37'00"		W 122°35'20"	
E 5,950,000.00		E 5,952,000.00	
N 2,099,000.00		N 2,099,000.00	
N 37°44'40"		N 37°44'40"	
W 122°36'40"		W 122°35'40"	
E 5,952,000.00		E 5,954,000.00	
N 2,097,000.00		N 2,097,000.00	
N 37°44'20"		N 37°44'20"	
W 122°36'20"		W 122°35'20"	
E 5,954,000.00		E 5,956,000.00	
N 2,095,000.00		N 2,095,000.00	
N 37°44'00"		N 37°44'00"	
W 122°36'00"		W 122°35'00"	
E 5,956,000.00		E 5,958,000.00	
N 2,093,000.00		N 2,093,000.00	
N 37°43'40"		N 37°43'40"	
W 122°35'40"		W 122°34'40"	
E 5,958,000.00		E 5,960,000.00	
N 2,091,000.00		N 2,091,000.00	
N 37°43'20"		N 37°43'20"	
W 122°35'20"		W 122°34'20"	
E 5,960,000.00		E 5,962,000.00	
N 2,089,000.00		N 2,089,000.00	
N 37°43'00"		N 37°43'00"	
W 122°35'00"		W 122°34'00"	
E 5,962,000.00		E 5,964,000.00	
N 2,087,000.00		N 2,087,000.00	
N 37°42'40"		N 37°42'40"	
W 122°34'40"		W 122°33'40"	
E 5,964,000.00		E 5,966,000.00	
N 2,085,000.00		N 2,085,000.00	
N 37°42'20"		N 37°42'20"	
W 122°34'20"		W 122°33'20"	
E 5,966,000.00		E 5,968,000.00	
N 2,083,000.00		N 2,083,000.00	
N 37°42'00"		N 37°42'00"	
W 122°34'00"		W 122°33'00"	
E 5,968,000.00		E 5,970,000.00	
N 2,081,000.00		N 2,081,000.00	
N 37°41'40"		N 37°41'40"	
W 122°33'40"		W 122°32'40"	
E 5,970,000.00		E 5,972,000.00	
N 2,079,000.00		N 2,079,000.00	
N 37°41'20"		N 37°41'20"	
W 122°33'20"		W 122°32'20"	
E 5,972,000.00		E 5,974,000.00	
N 2,077,000.00		N 2,077,000.00	
N 37°41'00"		N 37°41'00"	
W 122°33'00"		W 122°32'00"	
E 5,974,000.00		E 5,976,000.00	
N 2,075,000.00		N 2,075,000.00	
N 37°40'40"		N 37°40'40"	
W 122°32'40"		W 122°31'40"	
E 5,976,000.00		E 5,978,000.00	
N 2,073,000.00		N 2,073,000.00	
N 37°40'20"		N 37°40'20"	
W 122°32'20"		W 122°31'20"	
E 5,978,000.00		E 5,980,000.00	
N 2,071,000.00		N 2,071,000.00	
N 37°40'00"		N 37°40'00"	
W 122°32'00"		W 122°31'00"	
E 5,980,000.00		E 5,982,000.00	
N 2,069,000.00		N 2,069,000.00	
N 37°39'40"		N 37°39'40"	
W 122°31'40"		W 122°30'40"	
E 5,982,000.00		E 5,984,000.00	
N 2,067,000.00		N 2,067,000.00	
N 37°39'20"		N 37°39'20"	
W 122°31'20"		W 122°30'20"	
E 5,984,000.00		E 5,986,000.00	
N 2,065,000.00		N 2,065,000.00	
N 37°39'00"		N 37°39'00"	
W 122°31'00"		W 122°30'00"	
E 5,986,000.00		E 5,988,000.00	
N 2,063,000.00		N 2,063,000.00	
N 37°38'40"		N 37°38'40"	
W 122°30'40"		W 122°29'40"	
E 5,988,000.00		E 5,990,000.00	
N 2,061,000.00		N 2,061,000.00	
N 37°38'20"		N 37°38'20"	
W 122°30'20"		W 122°29'20"	
E 5,990,000.00		E 5,992,000.00	
N 2,059,000.00		N 2,059,000.00	
N 37°38'00"		N 37°38'00"	
W 122°30'00"		W 122°29'00"	
E 5,992,000.00		E 5,994,000.00	
N 2,057,000.00		N 2,057,000.00	
N 37°37'40"		N 37°37'40"	
W 122°29'40"		W 122°28'40"	
E 5,994,000.00		E 5,996,000.00	
N 2,055,000.00		N 2,055,000.00	
N 37°37'20"		N 37°37'20"	
W 122°29'20"		W 122°28'20"	
E 5,996,000.00		E 5,998,000.00	
N 2,053,000.00		N 2,053,000.00	
N 37°37'00"		N 37°37'00"	
W 122°29'00"		W 122°28'00"	
E 5,998,000.00		E 6,000,000.00	
N 2,051,000.00		N 2,051,000.00	
N 37°36'40"		N 37°36'40"	
W 122°28'40"		W 122°27'40"	
E 6,000,000.00		E 6,002,000.00	
N 2,049,000.00		N 2,049,000.00	
N 37°36'20"		N 37°36'20"	
W 122°28'20"		W 122°27'20"	
E 6,002,000.00		E 6,004,000.00	
N 2,047,000.00		N 2,047,000.00	
N 37°36'00"		N 37°36'00"	
W 122°28'00"		W 122°27'00"	
E 6,004,000.00		E 6,006,000.00	
N 2,045,000.00		N 2,045,000.00	
N 37°35'40"		N 37°35'40"	
W 122°27'40"		W 122°26'40"	
E 6,006,000.00		E 6,008,000.00	
N 2,043,000.00		N 2,043,000.00	
N 37°35'20"		N 37°35'20"	
W 122°27'20"		W 122°26'20"	
E 6,008,000.00		E 6,010,000.00	
N 2,041,000.00		N 2,041,000.00	
N 37°35'00"		N 37°35'00"	
W 122°27'00"		W 122°26'00"	
E 6,010,000.00		E 6,012,000.00	
N 2,039,000.00		N 2,039,000.00	
N 37°34'40"		N 37°34'40"	
W 122°26'40"		W 122°25'40"	
E 6,012,000.00		E 6,014,000.00	
N 2,037,000.00		N 2,037,000.00	
N 37°34'20"		N 37°34'20"	
W 122°26'20"		W 122°25'20"	
E 6,014,000.00		E 6,016,000.00	
N 2,035,000.00		N 2,035,000.00	
N 37°34'00"		N 37°34'00"	
W 122°26'00"		W 122°25'00"	
E 6,016,000.00		E 6,018,000.00	
N 2,033,000.00		N 2,033,000.00	
N 37°33'40"		N 37°33'40"	
W 122°25'40"		W 122°24'40"	
E 6,018,000.00		E 6,020,000.00	
N 2,031,000.00		N 2,031,000.00	
N 37°33'20"		N 37°33'20"	
W 122°25'20"		W 122°24'20"	
E 6,020,000.00		E 6,022,000.00	
N 2,029,000.00		N 2,029,000.00	
N 37°33'00"		N 37°33'00"	
W 122°25'00"		W 122°24'00"	
E 6,022,000.00		E 6,024,000.00	
N 2,027,000.00		N 2,027,000.00	
N 37°32'40"		N 37°32'40"	
W 122°24'40"		W 122°23'40"	
E 6,024,000.00		E 6,026,000.00	
N 2,025,000.00		N 2,025,000.00	
N 37°32'20"		N 37°32'20"	
W 122°24'20"		W 122°23'20"	
E 6,026,000.00		E 6,028,000.00	
N 2,023,000.00		N 2,023,000.00	
N 37°32'00"		N 37°32'00"	
W 122°24'00"		W 122°23'00"	
E 6,028,000.00		E 6,030,000.00	
N 2,021,000.00		N 2,021,000.00	
N 37°31'40"		N 37°31'40"	
W 122°23'40"		W 122°22'40"	
E 6,030,000.00		E 6,032,000.00	
N 2,019,000.00		N 2,019,000.00	
N 37°31'20"		N 37°31'20"	
W 122°23'20"		W 122°22'20"	
E 6,032,000.00		E 6,034,000.00	
N 2,017,000.00		N 2,017,000.00	
N 37°31'00"		N 37°31'00"	
W 122°23'00"		W 122°22'00"	
E 6,034,000.00		E 6,036,000.00	
N 2,015,000.00		N 2,015,000.00	
N 37°30'40"		N 37°30'40"	
W 122°22'40"		W 122°21'40"	
E 6,036,000.00		E 6,038,000.00	
N 2,013,000.00		N 2,013,000.00	
N 37°30'20"		N 37°30'20"	
W 122°22'20"		W 122°21'20"	
E 6,038,000.00		E 6,040,000.00	
N 2,011,000.00		N 2,011,000.00	
N 37°30'00"		N 37°30'00"	
W 122°22'00"		W 122°21'00"	
E 6,040,000.00		E 6,042,000.00	
N 2,009,000.00		N 2,009,000.00	
N 37°29'40"		N 37°29'40"	
W 122°21'40"		W 122°20'40"	
E 6,042,000.00		E 6,044,000.00	
N 2,007,000.00		N 2,007,000.00	
N 37°29'20"		N 37°29'20"	
W 122°21'20"		W 122°20'20"	
E 6,044,000.00		E 6,046,000.00	
N 2,005,000.00		N 2,005,000.00	
N 37°29'00"		N 37°29'00"	
W 122°21'00"		W 122°20'00"	
E 6,046,000.00		E 6,048,000.00	
N 2,003,000.00		N 2,003,000.00	
N 37°28'40"		N 37°28'40"	
W 122°20'40"		W 122°19'40"	
E 6,048,000.00		E 6,050,000.00	
N 2,001,000.00		N 2,001,000.00	
N 37°28'20"		N 37°28'20"	
W 122°20'20"		W 122°19'20"	
E 6,050,000.00		E 6,052,000.00	
N 1,999,000.00		N 1,999,000.00	
N 37°28'00"		N 37°28'00"	
W 122°20'00"		W 122°19'00"	
E 6,052,000.00		E 6,054,000.00	
N 1,997,000.00		N 1,997,000.00	
N 37°27'40"		N 37°27'40"	
W 122°19'40"		W 122°18'40"	
E 6,054,000.00		E 6,056,000.00	
N 1,995,000.00		N 1,995,000.00	
N 37°27'20"		N 37°27'20"	
W 122°19'20"		W 122°18'20"	
E 6,056,000.00		E 6,058,000.00	
N 1,993,000.00		N 1,993,000.00	
N 37°27'00"		N 37°27'00"	
W 122°19'00"		W 122°18'00"	
E 6,058,000.00		E 6,060,000.00	
N 1,991,000.00		N 1,991,000.00	
N 37°26'40"		N 37°26'40"	
W 122°18'40"		W 122°17'40"	
E 6,060,000.00		E 6,062,000.00	
N 1,989,000.00		N 1,989,000.00	
N 37°26'20"		N 37°26'20"	
W 122°18'20"		W 122°17'20"	
E 6,062,000.00		E 6,064,000.00	
N 1,987,000.00		N 1,987,000.00	
N 37°26'00"		N 37°26'00"	
W 122°18'00"		W 122°17'00"	
E 6,064,000.00		E 6,066,000.00	
N 1,985,000.00		N 1,985,000.00	
N 37°25'40"		N 37°25'40"	
W 122°17'40"		W 122°16'40"	
E 6,066,000.00		E 6,068,000.00	
N 1,983,000.00		N 1,983,000.00	
N 37°25'20"		N 37°25'20"	
W 122°17'20"		W 122°16'20"	
E 6,068,000.00		E 6,070,000.00	
N			