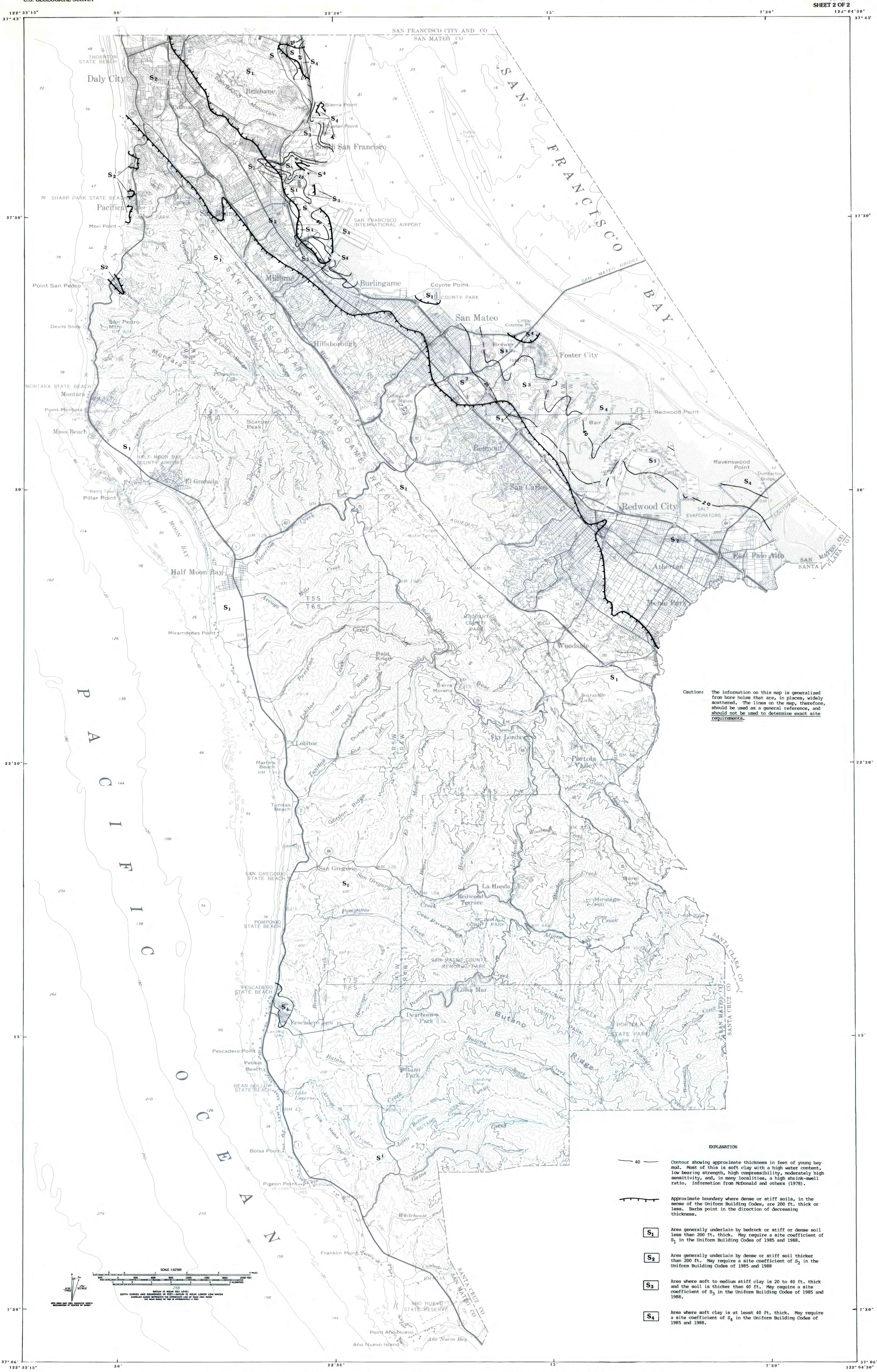
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT
90-496
SHEET 2 OF 2



Caution: The information on this map is generalized from bore holes that are, in places, widely scattered. The lines on the map, therefore, should be used as a general reference, and should not be used to determine exact site requirements.

EXPLANATION

40	Contour showing approximate thickness in feet of young bay mud. Most of this is soft clay with a high water content, low bearing strength, high compressibility, moderately high sensitivity, and, in many localities, a high shrink-swell ratio. Information from McDonald and others (1978).
	Approximate boundary where dense or stiff soils, in the sense of the Uniform Building Codes, are 200 ft. thick or less. Barbs point in the direction of decreasing thickness.
S_1	Area generally underlain by bedrock or stiff or dense soil less than 200 ft. thick. May require a site coefficient of S_1 in the Uniform Building Codes of 1985 and 1988.
S_2	Area generally underlain by dense or stiff soil thicker than 200 ft. May require a site coefficient of S_2 in the Uniform Building Codes of 1985 and 1988
S_3	Area where soft to medium stiff clay is 20 to 40 ft. thick and the soil is thicker than 40 ft. May require a site coefficient of S_3 in the Uniform Building Codes of 1985 and 1988.
S_4	Area where soft clay is at least 40 ft. thick. May require a site coefficient of S_4 in the Uniform Building Codes of 1985 and 1988.

AREAS THAT MAY HAVE DIFFERENT DESIGN REQUIREMENT FOR ENGINEERED STRUCTURES

MAPS SHOWING ELEVATION OF BEDROCK AND IMPLICATIONS FOR DESIGN OF ENGINEERED STRUCTURES TO WITHSTAND EARTHQUAKE SHAKING IN SAN MATEO COUNTY, CALIFORNIA

By

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1990

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