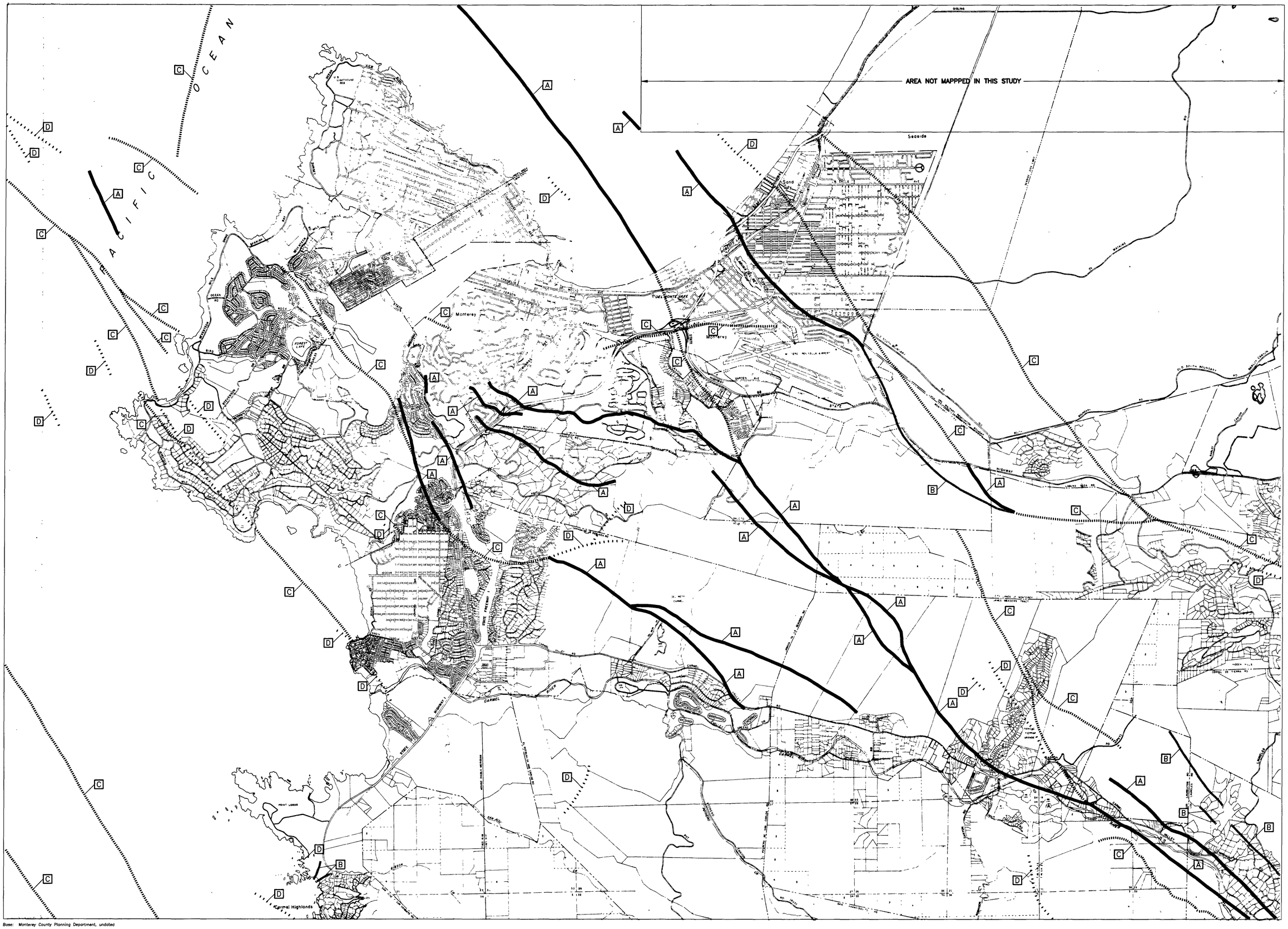

Base: Monterey County Planning Department, undated

EXPLANATION

Zone A – Greatest Hazard

Zone B

Zone C

Zone D – Least Hazard

The purpose of this map is to rank the relative activity of faults in the study area. These relative rankings can be used to produce derivative assessments of earthquake hazards such as ground rupture, amplified ground shaking, liquefaction, and slope instability.

To understand the assumptions and limitations of this map, refer to the accompanying maps and text. Fault locations on this map are transferred from the accompanying Plates 1, 2, and 3. This map is not intended as a substitute for site-specific studies. Appropriate site-specific studies should be performed to fully evaluate the potential hazards at a site.

The hazard zones are based on the estimated most recent time of movement using the following criteria:

Zone A: Holocene (10,000 years to present). Associated with historic seismicity recorded by CALNET seismometers; continuity with offshore fault strands as determined to be active by H. Gary Greene; offset of Holocene deposits as dated by radiocarbon methods; prominently developed geomorphic features such as sag ponds, stream channel deflections, scarps, and linear troughs; or by offset deposits determined to be Holocene based on local relative soil development relationships delineated by Dupré (1990b) and McKittrick (1988).

Zone B: Late Pleistocene (125,000 to 10,000 years before present). Offset of late Pleistocene deposits as dated by radiocarbon methods, offset of poorly developed geomorphic features; or by deposits determined to be late Pleistocene age based on local relative soil development relationships delineated by Dupré (1990b) and McKittrick (1988).

Zone C: Quaternary Undifferentiated (1,600,000 years to present). Offset of Quaternary deposits not otherwise determined to be Holocene or late Pleistocene.

Zone D: Pre-Quaternary. No mapped Quaternary offsets and absence of geomorphic fault features.

NORTH

0 2000 FT

0 1 KM

Scale

Research supported by the U.S. Geological Survey (USGS), Department of the Interior, under USGS award number 1434-94-G-2443 to Staal, Gardner & Dunne, Inc. The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. Government.

RELATIVE FAULT HAZARD MAP MONTEREY AND SEASIDE 7.5-MINUTE QUADRANGLES

For: QUATERNARY FAULTING OF THE GREATER MONTEREY AREA, CALIF.

94-71-0230 December 1994 PLATE 4

STAAL, GARDNER & DUNNE, INC Geotechnical, Hydrogeological & Environmental Consultants

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