

DEPT. OF INTERIOR
U.S. GEOLOGICAL SURVEY

Base map: San Francisco Bay Region, Sheet 3, 1:125,000



EXPLANATION

- Qm Estuarine mud (bay mud and artificial fill/bay mud)
- Qal All alluvial deposits, beach and dune sand, marine terrace deposits, undifferentiated Quaternary sediments in S.F., and Merritt sand
- Qc Colma Formation
- Qts Quaternary-Tertiary marine and continental sediments. Includes Santa Clara Formation, Merced Formation, Irvington gravels, Livermore gravels
- Mostly Tertiary sedimentary rocks and Mesozoic sedimentary rocks; consists of all bedrock units except Franciscan Formation, Montara Granodiorite, and Ben Lomand Granodiorite
- gd Ben Lomand Granodiorite
- Kgr Montara Mtn. Granodiorite
- KJf Franciscan Formation
- R Reservoirs and lakes
- Major faults
- ▲ Recording Site Locations
- 3.1 Horizontal Amplification

Data sources:
 Base map: San Francisco Bay Region, Sheet 3, 1:125,000
 Alluvial units: Preliminary copy of Quaternary deposits by Helley-Burke-Lajoie
 Bedrock units: Compilation of bedrock units by Earl Brabb (unpublished)
 Geology compiled and modified from above sources by Lajoie 3-12-74

AVERAGE HORIZONTAL SPECTRAL AMPLIFICATIONS
ON GENERALIZED GEOLOGIC MAP