Local (Offshore of Half Moon Bay Map Area) and Regional (Offshore from Bolinas to Pescadero) Shallow-Subsurface Geology and Structure, California

DISCUSSION

Figure 1. USGS high-resolution minisparker seismic-reflection profile HMS–006 (collected in 2007 on survey F–2–07–NC; see Map A for location). Dashed red line shows multiple (echo of seafloor reflector). Purple triangle shows location of California's State Waters limit (yellow line on Maps A, B, C, D, E).

San Francisco ebb-tidal delta is filling a paleovalley that formed during the last sea-level lowstand, sedimentary basin (Cooper, 1973; Ryan and others, 2008) that has sediment thicknesses of as much as 20 m (Map C) and 50 m (Map D) in the outboard, west-dipping Pomponio block, which is bounded by Frijoles Fault (to west) and Seal Cove Fault (to east-southeast of the map area). The San Gregorio Fault Zone, which cuts through the Pomponio block, lies about 12 km northeast of the map area. The San Gregorio Fault Zone, which cuts through the Pomponio block, lies about 12 km northeast of the map area. The San Gregorio Fault Zone, which cuts through the Pomponio block, lies about 12 km northeast of the map area. The San Gregorio Fault Zone, which cuts through the Pomponio block, lies about 12 km northeast of the map area.