



SCENARIO SUMMARY

Ground Shaking: Ground shaking in a M7.9 event would cause strong shaking in all nine Bay Area counties, with violent and very strong shaking along the entire Peninsula and Marin County. Smaller fault ruptures on the San Andreas like the M6.9 1989 Loma Prieta earthquake can produce more frequent M6 and low M7 events.

Faulting: The San Andreas fault extends from off the coast of Humboldt County down to Mexico. In 1906 the fault ruptured from Humboldt County to south Santa Clara County. The surface fault rupture in a future M7.9 event could be over 25 feet in some sections (Thatcher, 1997).

Liquefaction: In locations in every county the ground shaking will be strong enough to trigger liquefaction.

M7.9 San Andreas Surface Fault Rupture Displacement (Thatcher, 1997)

