



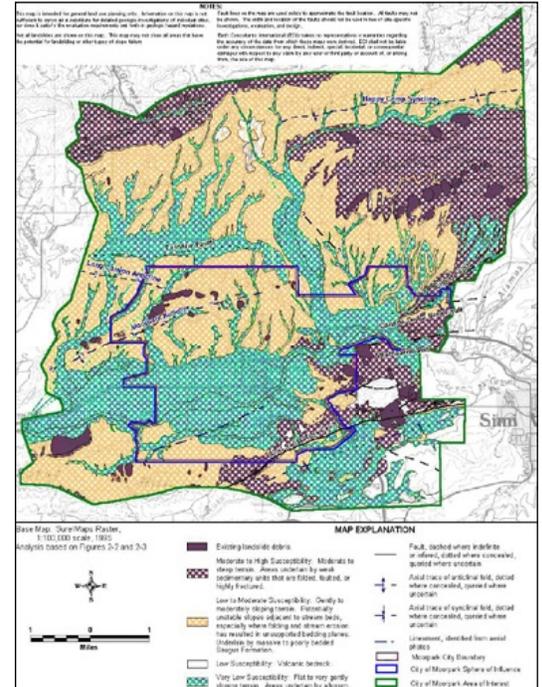
HAZARD ASSESSMENT ANALYSIS FOR THE SAFETY ELEMENT OF THE GENERAL PLAN for the City of Moorpark, California

PROJECT DESCRIPTION

The City of Moorpark is a fast-growing community that is undergoing significant new residential and commercial development. The older section of town is located on the floodplain of Arroyo Simi, an area susceptible to liquefaction and flooding. Newer residential communities are being located on the hills at the base of the southern Oakridge Mountains. Some of these areas are susceptible to landslides. The Oakridge fault is located about 2 miles north of the City, whereas the Simi-Santa Rosa fault system extends across the southern portion of the City. Both of these faults are active, and have the potential to cause an earthquake that would generate very strong ground motions in Moorpark.

Many portions of Moorpark or its Sphere of Influence are also in a high wildfire susceptibility area. Where there is no buffer between undeveloped, vegetated areas and densely developed areas, wildfires have the potential to cause tremendous structural damage.

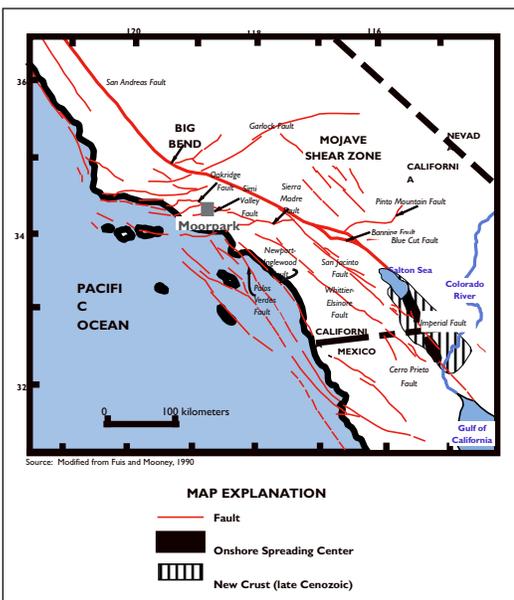
Finally, there are four oil fields in the study area; some of these are now abandoned and likely to be developed for residential purposes in the not-too-distant future. Safe development of these oil fields into residential areas requires the proper abandonment of oil wells, clean up of soils stained with oil and other oil-related contaminants, and the excavation and removal of sumps and other debris commonly found in oil fields. Oil fields are also often associated with faults or folds that can pose a constraint to development.



Landslide Susceptibility Map of the Moorpark area prepared for the Safety Element of the General Plan

SOLUTION

Earth Consultants International was retained by the City of Moorpark to conduct a Hazards Assessment Study for the City's Safety Element of the General Plan. We addressed the seismic, geologic, flooding and fire hazards in the Moorpark area. Our Technical Background Report includes a discussion of the City's susceptibility to these and other hazards, and the potential impact to lifelines and critical structures. The report also discusses various mitigation strategies that can be used to formulate hazard reduction plans and policies that promote safe, environmentally sensitive development of areas impacted by natural or man-made hazards. In addition, we performed HazUS™ loss estimations for earthquake scenarios on the Simi-Santa Rosa and Oakridge faults.



Regional Map Showing the City of Moorpark in Relation to Several of the Faults in Southern California

