

- [Dashed Box] Town Limits
- [Diagonal Hatching] Alquist-Priolo Fault Zone

Perceived Earthquake Shaking Potential

80-176 (Extreme)	20-30 (Moderate)
70-80 (Violent)	10-20 (Light)
60-70 (Severe)	0.1-10 (Weak)
50-60 (Very Strong)	0 (Not Felt)
40-50 (Strong)	
30-40 (Strong)	

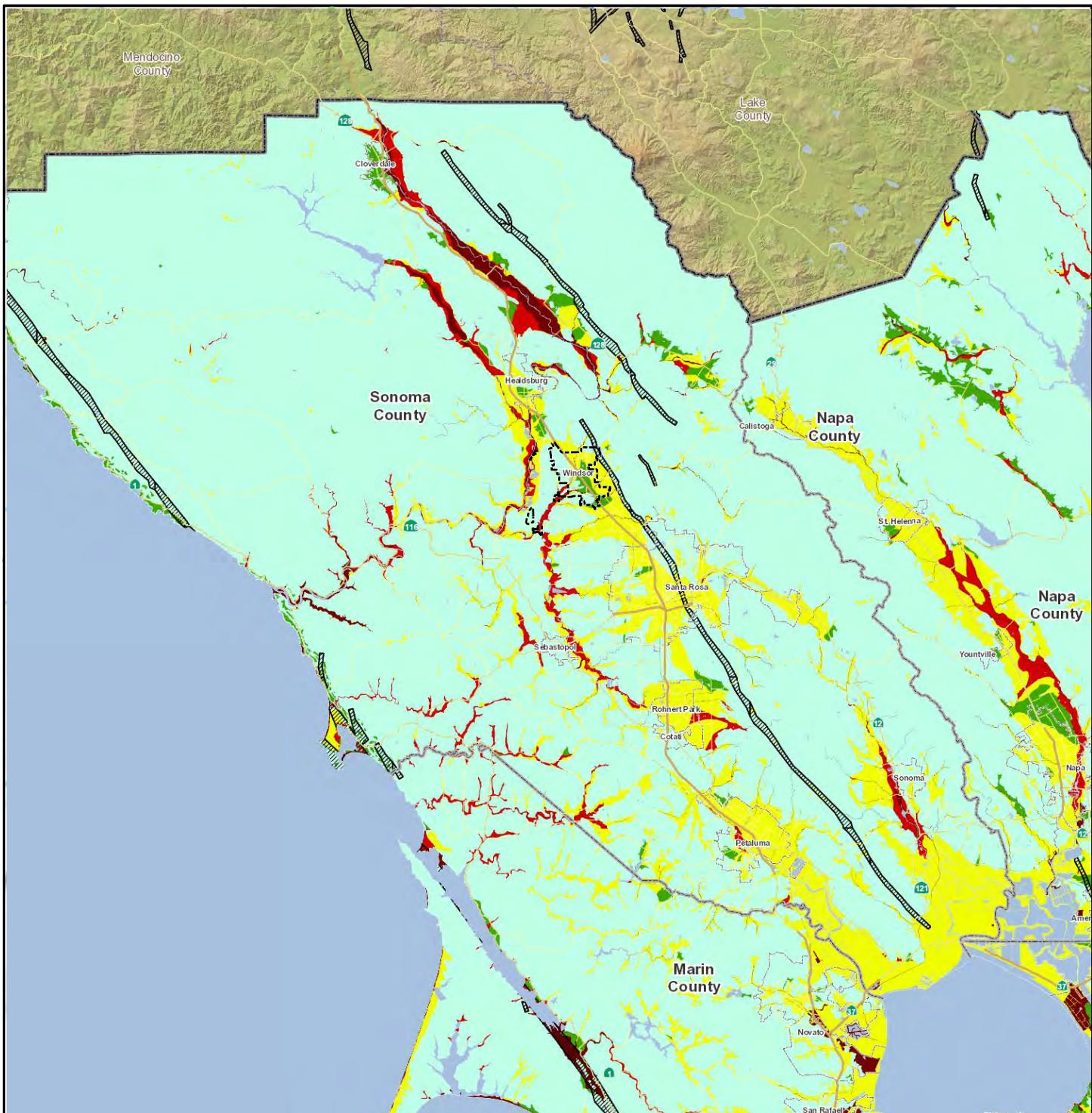


0 2 4 8 Miles



Figure PHS -1 : Sonoma County Earthquake Shaking Potential

Data Sources: Association of Bay Area Governments, gis.abag.ca.gov
 California Department of Conservation, September 2012
 UC California Geological Survey and United States Geological Survey, 2003



 Town Limits
 Alquist-Priolo Fault Zone

Liquefaction Susceptibility

 Very High	 Low
 High	 Very Low
 Moderate	 Water Bodies



Figure PHS -2 : Sonoma County Earthquake Fault and Areas of Liquefaction



0 2 4 8 Miles

Data Sources: Association of Bay Area Governments, gis.abag.ca.gov
 California Department of Conservation, September 2012
 UC California Geological Survey and United States Geological Survey, 2003



Flood Hazards

There are seven creeks and streams within the Town of Windsor that increase the potential for local and regional flooding during significant rain events. The culmination of these waterways, specifically in the southern portion of town, is a significant flooding hazard to the community. This southern portion is within the 100-year flood zone, which flanks either side of Windsor Creek. Flooding in Sonoma County and around Windsor is common in winter months. Its frequency far exceeds that of any other hazard in the region. Windsor is also within the dam failure inundation hazard area from the Warm Springs Dam, which is located 17 miles to the northwest of town. The Warm Springs Dam, and the much smaller irrigation reservoirs within Foothills Regional Park, have the potential to cause widespread flooding in Town in the unlikely event of dam failure. The policies in this section are intended to minimize the potential damage and risks associated with flooding.

Goal PHS-3: Flood Hazards

Minimize the risks to lives and properties due to flood hazards.

Policies

- PHS-3.1 100-Year Flood Zone Protection.** The Town shall require that new residential, public, commercial, and industrial development be required to implement protection measures when located in a 100-year flood zone.
- PHS-3.2 Land Use Restriction in Flood Prone Areas.** The Town shall continue to prohibit development in designated regulatory floodways (Figure PHS-3). Development is permitted in the floodway fringe with the approval of a development permit and appropriate mitigation measures.
- PHS-3.3 Prohibition of Emergency Facilities in Floodplain.** The Town shall prohibit facilities essential for emergencies and facilities for large public assembly from developing in a 100-year flood zone, unless the structure and access to the structure are sited and/or designed in a way to keep them free from flood inundation.
- PHS-3.4 Floodplain Management.** The Town shall support floodplain management over flood control structures for preventing damage from flooding except where the intensity of development requires a high level of protection and justifies the costs of structural measures. Where flood control structures are necessary, the Town shall require appropriate mitigation for loss of riparian vegetation and habitat.

*For Policy PHS-3.4 see
Implementation Program PHS-8:
Flood Control Management*
