



# HayWired Scenario FACILITATOR TOOLS

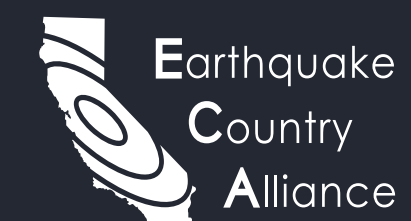
## Payroll

---

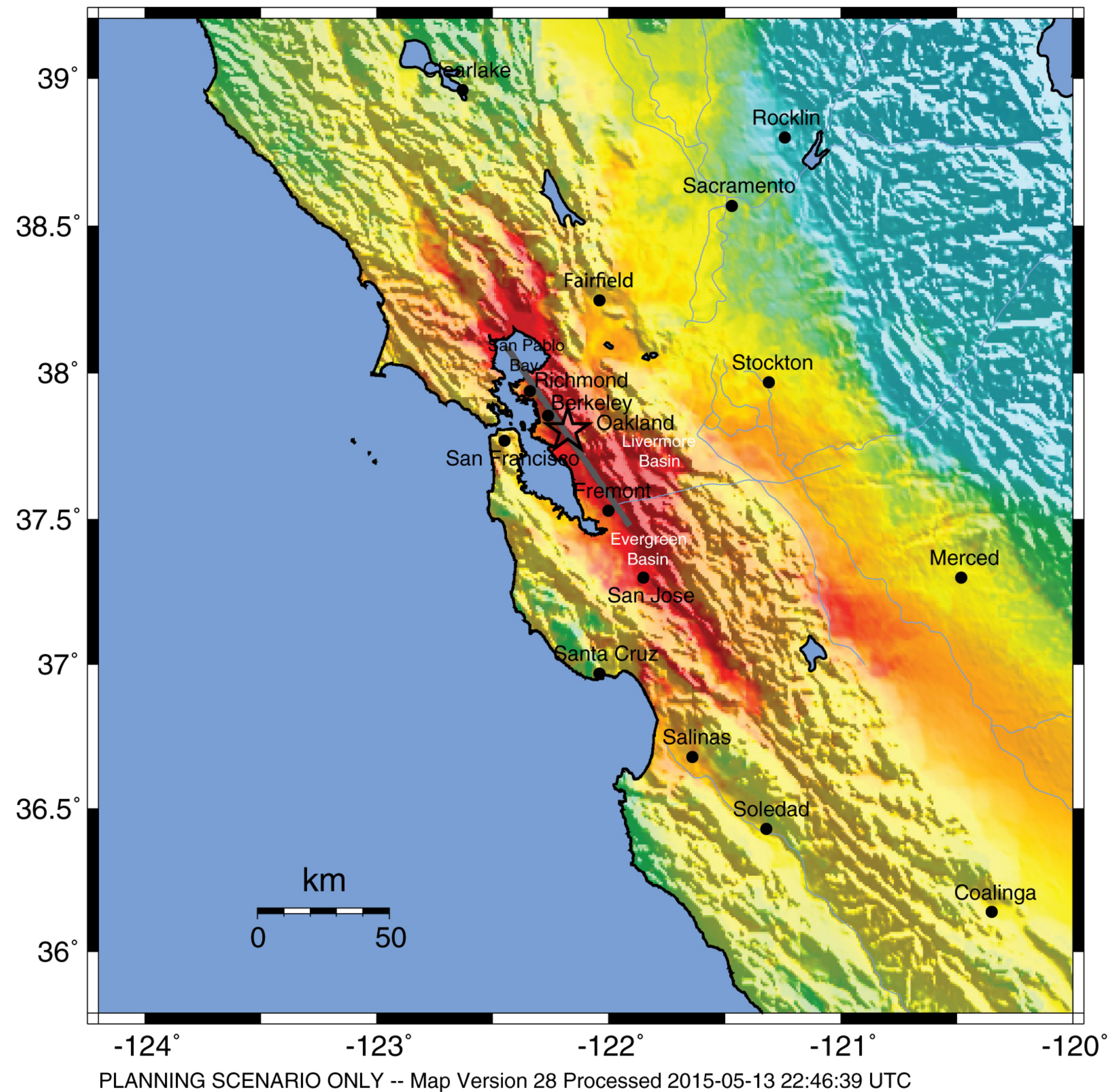
Planning & Preparedness

## Imagery Slideset

Version 1.0



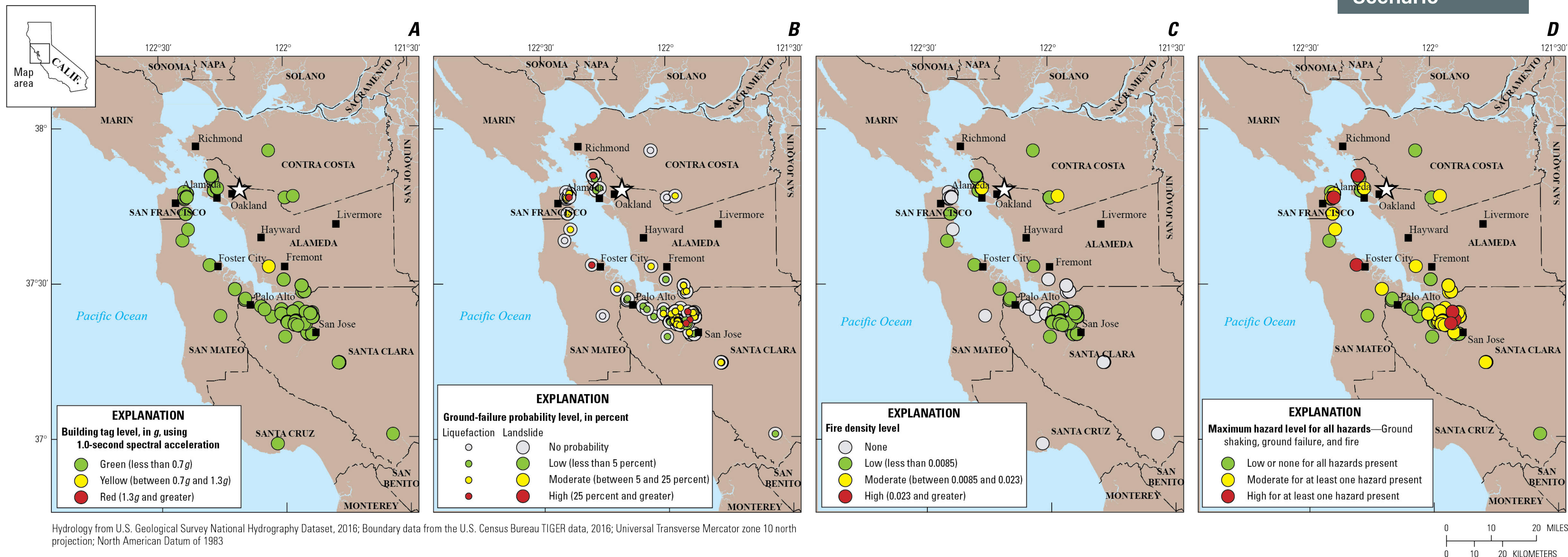




**U.S. Geological Survey ShakeMap of the HayWired Earthquake Scenario's hypothetical magnitude 7.0 mainshock.**

PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Mod./Heavy	Heavy	Very Heavy
PEAK ACC.(%g)	<0.05	0.3	2.8	6.2	12	22	40	75	>139
PEAK VEL.(cm/s)	<0.02	0.1	1.4	4.7	9.6	20	41	86	>178
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+



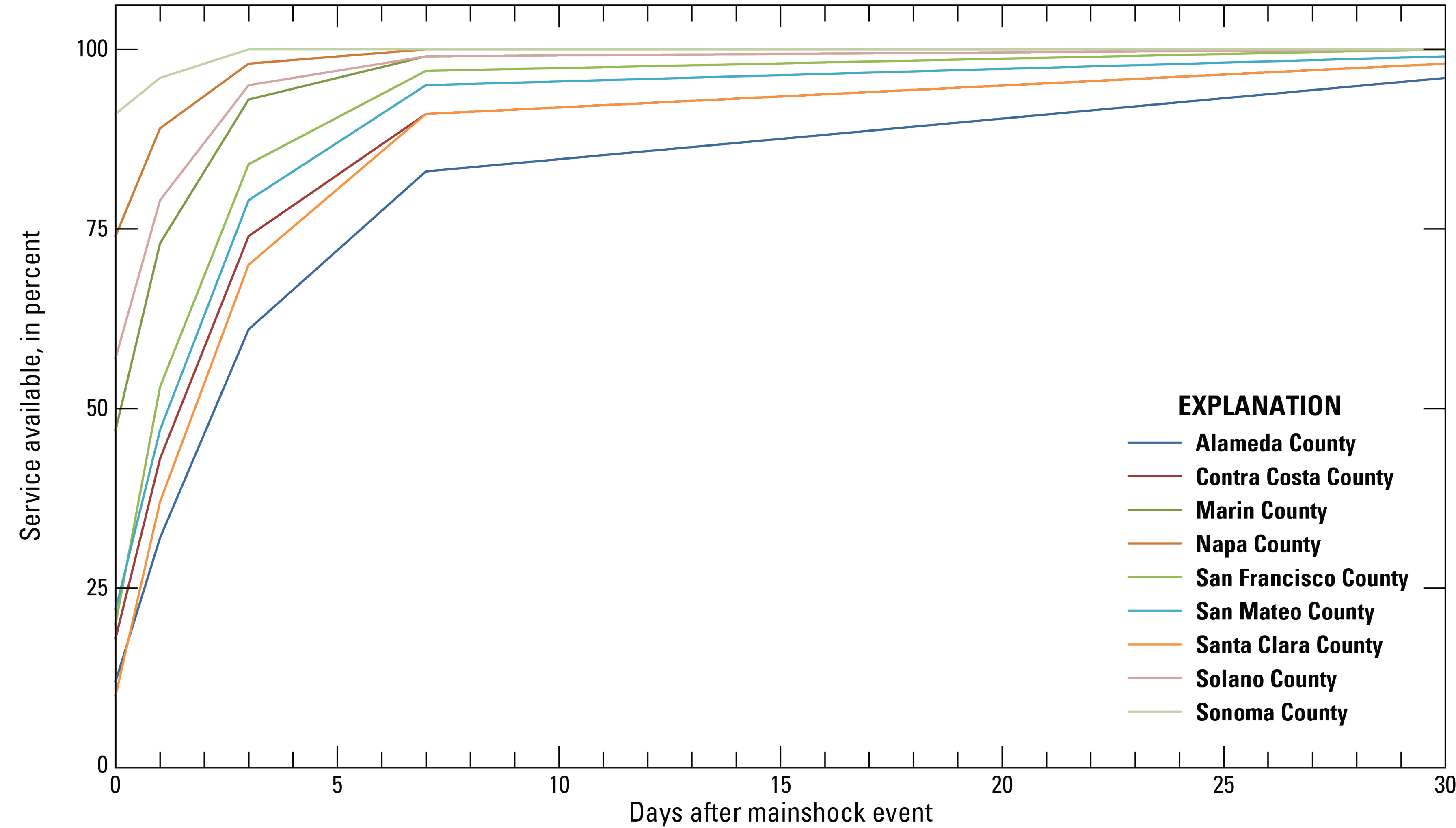


Hydrology from U.S. Geological Survey National Hydrography Dataset, 2016; Boundary data from the U.S. Census Bureau TIGER data, 2016; Universal Transverse Mercator zone 10 north projection; North American Datum of 1983

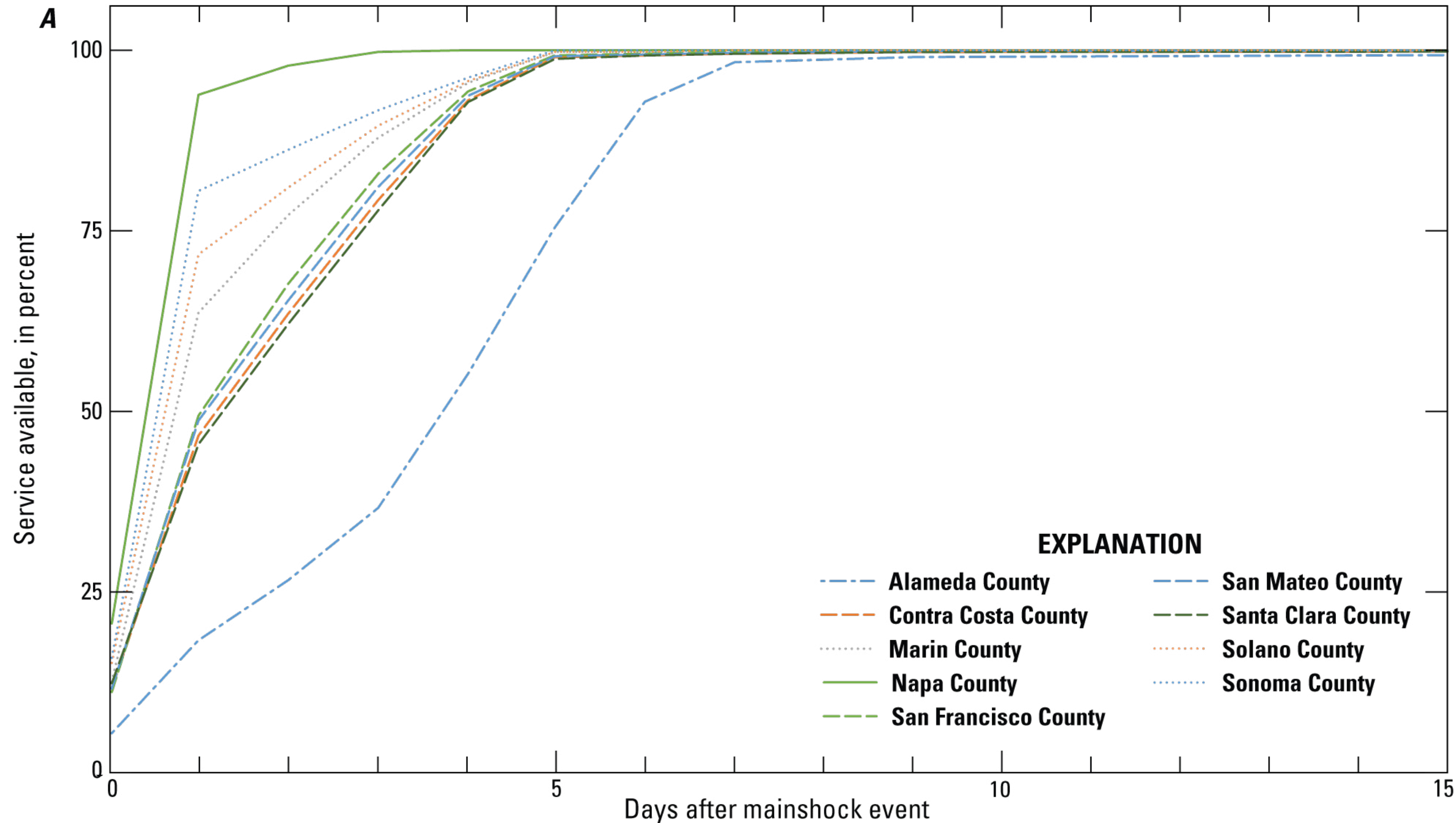
## Maps showing damage and exposure to HayWired Earthquake Scenario mainshock hazards for data centers.

White star shows the mainshock epicenter. Descriptions of the 4 maps: *A*, Map of potential building tagging from shaking for data centers assuming moderate code (overturning of unanchored equipment also possible in yellow-tagged and red-tagged buildings).  $g$  is acceleration due to gravity. *B*, Map of data center exposure to ground-failure hazards (liquefaction and landslide). *C*, Map of data center exposure to fire following earthquake hazards (represented by fire density level—burned-building square footage relative to the developed area containing the fires). *D*, Map of data centers affected by maximum level of hazard from shaking, ground failure, and fire.

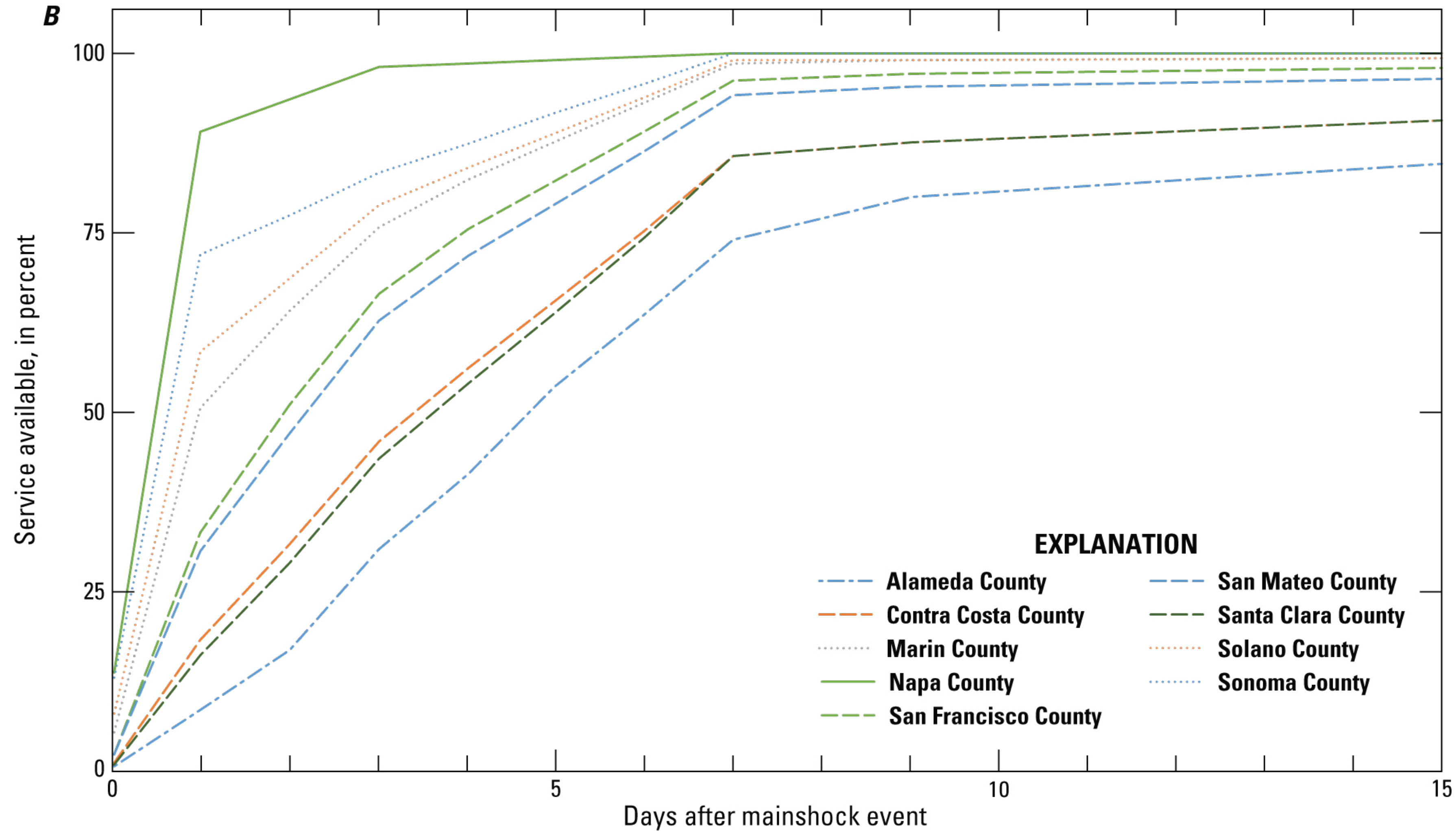




**Line graph showing the electric power restoration curves by county for the HayWired Earthquake Scenario mainshock.**



**Line graphs showing voice and data restoration curves by county** for the HayWired Earthquake Scenario mainshock. These curves include the following assumptions: **use of** batteries and/or generators, deployment of portable equipment (including cells on wheels [COWs] and cells on light truck [COLTs]), and management of user behavior. Demand surge impacts are included in the estimation.



**Line graphs showing voice and data restoration curves by county** for the HayWired Earthquake Scenario mainshock. The curves are based on system restoration dependent on electric power restoration ***without the use of*** batteries and/or generators, deployment of portable equipment (including cells on wheels [COWs] and cells on light truck [COLTs]), and management of user behavior.