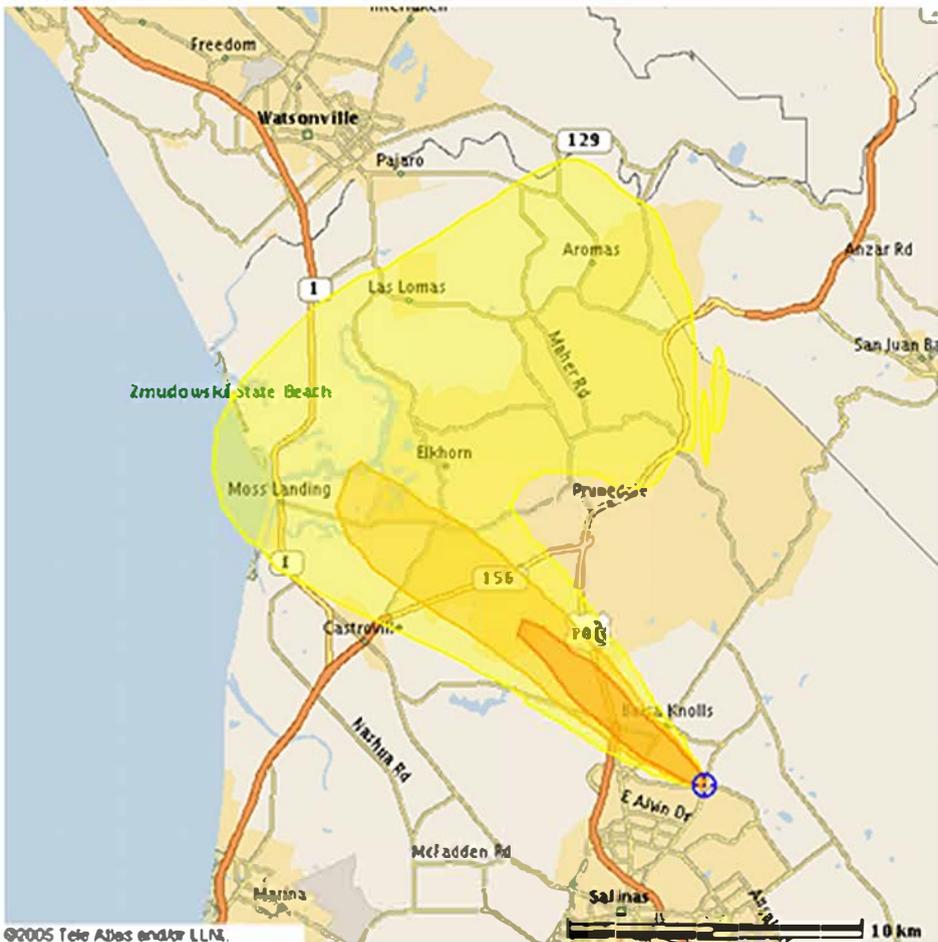




Set 2: Demonstration
 (36.7158, -121.623)
 Chemical Release at 14 Jan 2012 19:00 UTC

Predicted Public Health Protective Action Criteria (PAC) Areas

Areas exceeding harmful vapor air concentration exposure limits
SARIN near-surface cloud present - Inhalation hazard



- PAC-3 (exceeds 0.02 ppm). Life-threatening health effects. Estimated population: 6580
- PAC-2 (exceeds 0.006 ppm). Irreversible or serious health effects that could impair ability to take protective action. Estimated population: 11900
- PAC-1 (exceeds 0.0005 ppm). Mild, transient health effects. Estimated population: 33900

Notes:

- Refer to accompanying Predicted Isolation and Protective Action Areas product for warranted protective actions.
- Refer to Emergency Worker Protection Areas product for NIOSH-recommended personal protective equipment.
- Prompt evacuation and/or sheltering reduces health risks, including exposures to subsequent evaporation.
- Predicted effects are for unprotected, unsheltered general population from initial plume passage
- Based on threshold concentrations for stated health effects. Effects are not universal across all populations.
- Areas shown do not consider potential skin contact risk.

Assumptions:

- This is a model prediction based on an estimated source; confirm with measurements or medical diagnosis
- Plume Phase - Chemical cloud may be present or imminent