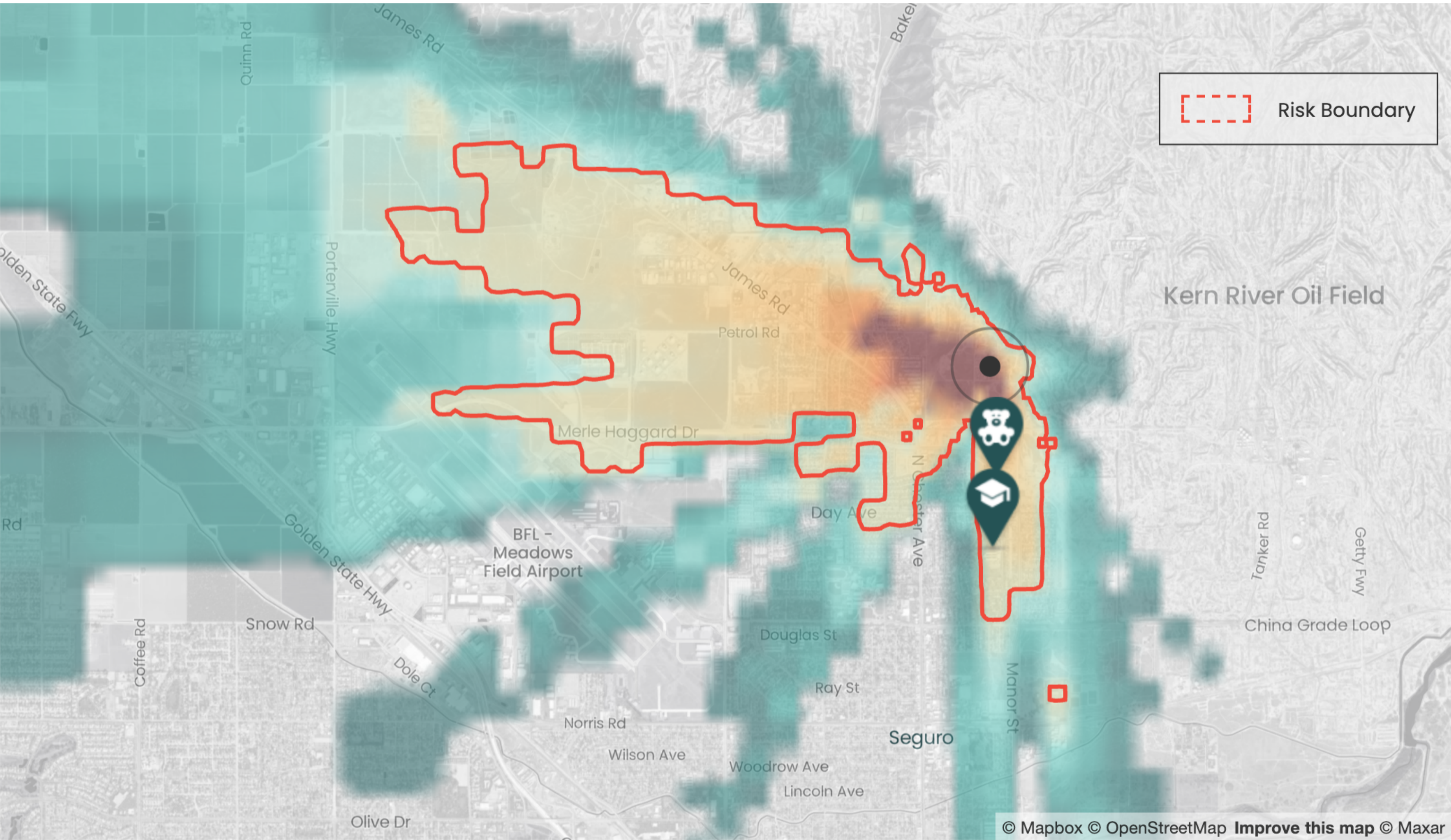
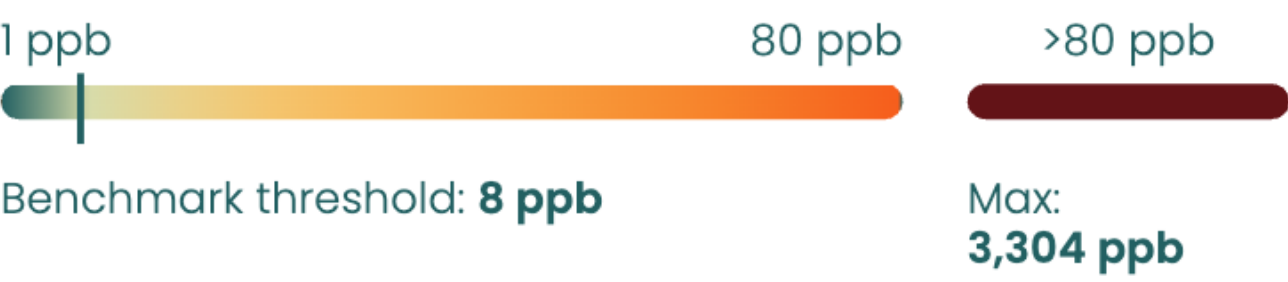


Bakersfield, Kern County, CA

35.4460, -119.0150



BENZENE CONCENTRATION



ABOUT

The Methane Risk Map calculates and visualizes the health and safety risks posed by uncombusted emissions of methane and hazardous air pollutants from oil and gas infrastructure. For the selected methane emissions event, the map shows either the peak concentrations for the selected pollutant, or the persistence of the risk based on the selected benchmark, as noted by the color scale. The dotted red line represents the Area at Risk, the area where modeled concentrations exceeded government health or safety benchmarks. Details on the event, the selected pollutant and benchmark used to generate the report, the area at risk and the estimated number of people and sensitive facilities within that area are shown below. For more information on our methods, visit our website: <https://mrm.psehealthyenergy.org/>.

POLLUTANT & BENCHMARK

Pollutant	Benzene
Benchmark	OEHHA REL
Benchmark Threshold	8 ppb
Area at Risk	3.49 sq. miles
Sensitive Facilities	2
Estimated Population	5600

EVENT DETAILS

Event Date	Oct 25 2016
Model Window	Oct 22 2016–Oct 28 2016
Methane Data Source	Carbon Mapper
Methane Emission Rate	128 kg/hr
Gas Type	Unknown
GC Tier	Non-flash: T3, Flash: T2
Infrastructure Type	Multiple Equipment

Methane + Health Initiative

PSE Healthy Energy

PSE Healthy Energy’s Methane + Health Initiative is a multi-year research initiative to expand scientific and public understanding of the relationship between methane, air pollution, and public health. The Methane Risk Map is a cornerstone of this initiative.

Visit: <https://mhi.psehealthyenergy.org/>



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Feedback

Share how you are using the tool or get in touch for support using the data. Email a PSE scientist at:

mrm@psehealthyenergy.org