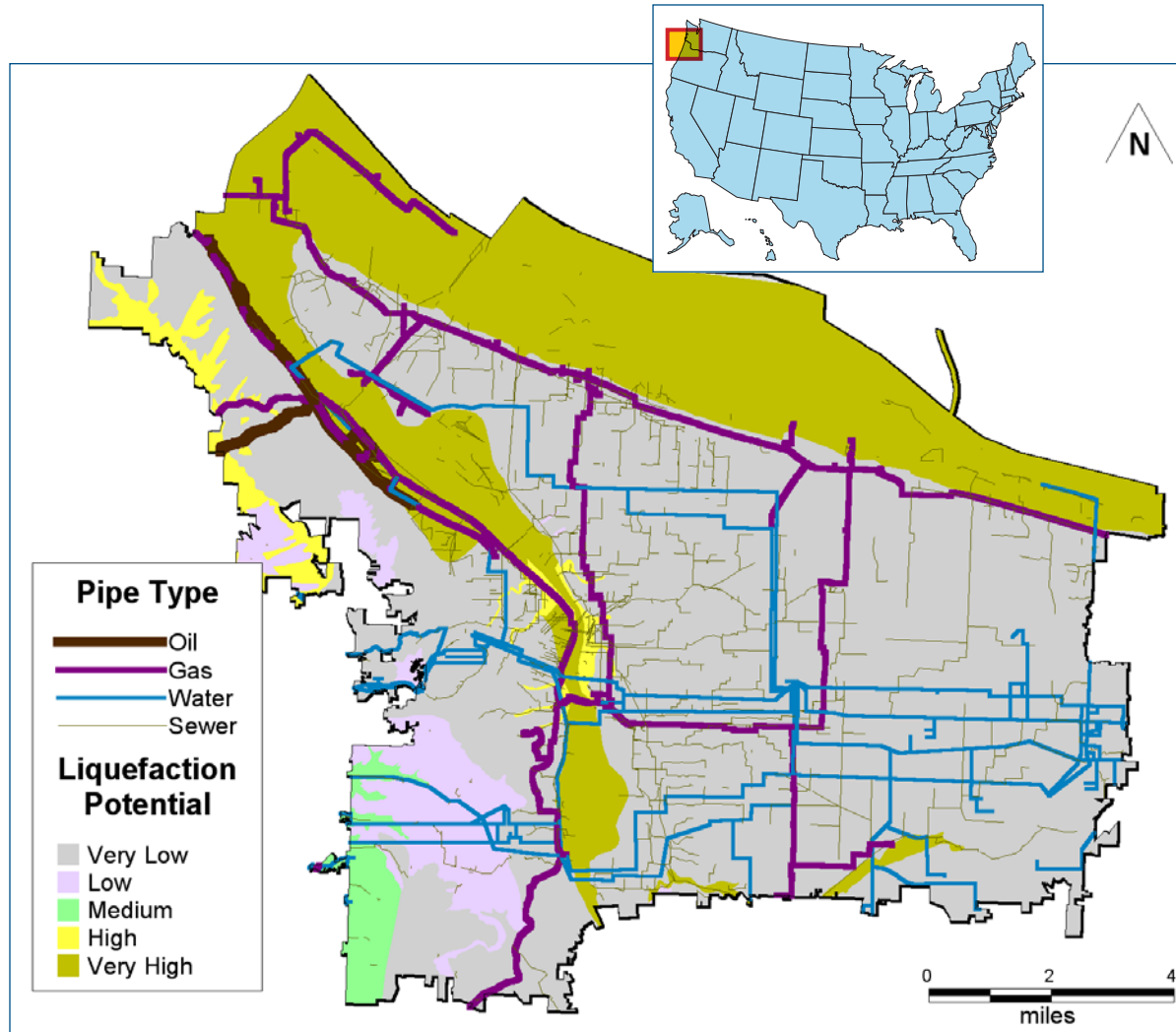


Distribution of Utility Lifelines in Relation to Earthquake Hazard in Portland, Oregon



POTENTIAL USES

Pre-Disaster:

- Evaluation of options for future extension of utility lifeline systems in Portland in relation to areas of potential soil liquefaction.
- Prioritization of mitigation measures for system components to reduce vulnerability to potential liquefaction.
- Evaluation of the population and businesses that are potentially vulnerable to the earthquake hazard in Portland.

Post-Disaster:

- Identification of utility lifelines that are potentially impacted by soil liquefaction.
- Identification of utilities that are potentially eligible for funds under FEMA's Public Assistance (PA) program following a declared disaster.
- Identification of mitigation opportunities following a damaging earthquake.

DATA AND ANALYSIS DISPLAYED:

- Distribution of utility lifeline systems in Portland, OR, including oil, gas, water, and sewer (GIS inventory).
- Relation of components of utility lifeline system and the earthquake hazard in Portland, based on soil liquefaction potential.



FEMA