



Map of Portland and Tualatin Basins showing microseismicity (data from Pacific Northwest Seismic Network) and the 12 faults included in this study. Locations for all faults except Gales Creek are from Quaternary Fold and Fault Database. Gales Creek Fault is mapped by Wells and others in press (2018). Blue arrows show relative sense of motion on the faults. Downtown Portland is denoted by a red star. Area of Figure 2 (GCF) is shown by the red box.