



Figure 4. Figure slightly modified from Stanley et al. (1999): my annotation in blue. These sections through a seismic tomography model extend from offshore to near the Cascade crest. Southern section (bottom) is at about the latitude of Mt. Rainier. Contoured P wave velocities in km/s; circles indicate earthquakes. The Crescent Formation (Siletzia) appears to dip east. Note wedge of relatively low velocity material between the inferred top of Siletzia (blue dashed line) and the reverse faults in the western Cascades. This suggests a failed trench. The "terrané boundary" (thin black line) instead may be a later strike-slip fault.