



Figure 3. Walnut Canyon and southeast Flagstaff. A) Holm, 1994 (above) and Harshbarger, et al., (below; semi-transparent) maps overlay on USGS Digital Raster Graphic. The Northern segment of the Lake Mary Fault zone splays here into a number of traces which may be active and which traverse southeast Flagstaff. We also show here the locations of the 4 proposed seismic survey profiles and the two wells that are nearby and whose logs we will use to help our interpretations. B) Holm, 1994 (above) and Harshbarger, et al., (below; semi-transparent) maps overlay on DOQQ. This map illustrates the setting of the Walnut Canyon seismic profile and the Walnut Canyon paleoseismic site (white quadrilateral). C) View northeast toward the Walnut Canyon site where the Lake Mary Fault has down-dropped Kaibab Formation (PK) against underlying Coconino Formation (Pc). D) Detailed view of the site. The fault traverses the upper portion of the slope. Cemented fault zone rocks are at the base of the cliff. Before excavating a trench here, we will dig a number of test pits to evaluate optimal placement. Access issues at this site require manual excavation.