

47th Ave, West Seattle – 2005

The USGS, with funding from the National Earthquake Hazards Reduction Program, collected weight drop data along 47th Ave in West Seattle as part of a study of the Seattle uplift. The profile trended North to South. Light to moderate traffic persisted throughout acquisition. If these data are used in a publication or presentation, please acknowledge the USGS and NEHRP.

Data were acquired with a 500-lb elastic weight drop. Records are 2.0 seconds with sample rates of 1ms. Geophones were single, 8-Hz vertical component sensors installed every 5m along the seismic profile. The source point interval was 5m. The number of channels per record was 144 for north 47th Ave, n47th_ffid.sgy. Number of channels per record was 120 for s47th_ffid.sgy or south end of 47th Ave, except for file records 5810-6125 where number of channels was 154. Other acquisition parameters are noted in the observer's log file. Data are unstacked and uncorrelated. Station location information is in the SEG-Y file headers. The coordinates are in UTM Zone 10 N with WGS84 datum.