

## 42<sup>nd</sup> Ave, West Seattle – 2005

The USGS, with funding from the National Earthquake Hazards Reduction Program, collected weight drop data along 42<sup>nd</sup> Ave in West Seattle as part of a study of the Seattle uplift. The profile trended North to South along 42<sup>nd</sup> Ave from SW Hanford St to SW Oregon St. Light 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 predominantly 5m. The number of channels per record was 120. Other acquisition parameters are noted in the observer's log file. Data are unstacked and uncorrelated.

Data geometry information were corrupted during acquisition, but data could be processed as a straight line due to surveying along 42<sup>nd</sup> Ave SW. Specifically, in UTM Zone 10 N with WGS84 datum coordinates, beginning point at 42<sup>nd</sup> Ave and SW Hanford St is 546195.31 E , 5269309.14 N . Ending point at SW Oregon St is 546229.09 E , 5267902.21 N .