

Spokane 2 : W Shannon Ave, Spokane, WA – Eastern Washington Vibroseis Experiment – 2012

The USGS Earthquake Hazards Program collected vibroseis data along W Shannon Ave in Spokane, WA as part of shallow crustal earthquake hazards investigations for Eastern Washington. The profile trended east to west. Mixed traffic conditions occurred during acquisition.

Data were acquired with a “minivib 1” seismic vibrator, contracted from University of Nevada Las Vegas, using a linear sweep of 20-160 Hz over 10 seconds followed by 2 seconds of “listen” time. The sample interval was 2 milliseconds. Geophones were single 8-Hz vertical component sensors installed every 5m along the seismic profile. The source point interval is 5m from field record 7001-7096, and predominantly 10m for field record file numbers 7097-7289. Other acquisition parameters, including the specific source point intervals, are noted in the observer’s log file. The number of channels per record was predominantly 240. 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.