

Spokane 1 : E Baldwin Ave & W Shannon Ave, Spokane, WA – Eastern Washington Vibroseis Experiment – 2012

The USGS Earthquake Hazards Program collected vibroseis data in Spokane, WA as part of shallow crustal earthquake hazards investigations for Eastern Washington. The profile trended east to west, along E Baldwin Ave and W Shannon Ave.

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, except as noted for 2.5m spacing in the observer’s log file. The source point interval is 5m. Other acquisition parameters, including number of channels per record, are noted in the observer’s log file. Data are unstacked and uncorrelated. Station location information is in the SEGY file headers. The coordinates are in UTM Zone 10 N with WGS84 datum.