

Robbins Road, North of Ellensburg, WA – Eastern Washington Vibroseis Experiment – 2012

The USGS Earthquake Hazards Program collected vibroseis data along Robbins Road, north of Ellensburg, WA, as part of shallow crustal earthquake hazards investigations for Eastern Washington. The profile trended south to north. Light traffic was seen throughout the day.

Data were acquired with a “minivib 1” seismic vibrator, contracted from the 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 was 5m from field record 3001-3218, and 10m for field record file numbers 3219-3501. The number of channels per record was predominantly 192. Other acquisition parameters, including specific number of channels per record, are noted in the observer’s log file. Field files 3500-3501 are not included in this dataset due to noise. 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.