

Browns Ferry (34.70° N, 87.12° E), Control Point Hazard

SA (g)	AFE 0.5 Hz	AFE 1 Hz	AFE 2.5 Hz	AFE 5 Hz	AFE 10 Hz	AFE 25 Hz	AFE 100 Hz
0.001000	1.378371e-02	2.608111e-02	4.352069e-02	4.666909e-02	4.689610e-02	4.624461e-02	4.179382e-02
0.001122	1.338086e-02	2.516628e-02	4.293307e-02	4.585636e-02	4.615029e-02	4.542773e-02	4.023670e-02
0.001259	1.271218e-02	2.373507e-02	4.181938e-02	4.491355e-02	4.527124e-02	4.448739e-02	3.861224e-02
0.001413	1.183251e-02	2.215180e-02	4.040937e-02	4.382948e-02	4.424758e-02	4.340828e-02	3.685526e-02
0.001585	1.095278e-02	2.057372e-02	3.886046e-02	4.259678e-02	4.308008e-02	4.218547e-02	3.498210e-02
0.001778	1.012890e-02	1.904832e-02	3.719651e-02	4.121836e-02	4.176463e-02	4.082611e-02	3.301836e-02
0.001995	9.359958e-03	1.758807e-02	3.543052e-02	3.969813e-02	4.030240e-02	3.933114e-02	3.099423e-02
0.002239	8.643323e-03	1.619906e-02	3.358071e-02	3.804235e-02	3.869955e-02	3.770831e-02	2.893374e-02
0.002512	7.976359e-03	1.488450e-02	3.166559e-02	3.626333e-02	3.697044e-02	3.597169e-02	2.686412e-02
0.002818	7.356442e-03	1.364665e-02	2.970461e-02	3.437919e-02	3.513246e-02	3.414092e-02	2.481459e-02
0.003162	6.781036e-03	1.248650e-02	2.771974e-02	3.241118e-02	3.320480e-02	3.223847e-02	2.281215e-02
0.003548	6.247699e-03	1.140427e-02	2.573377e-02	3.038212e-02	3.121264e-02	3.028579e-02	2.087951e-02
0.003981	5.753963e-03	1.039888e-02	2.376859e-02	2.831737e-02	2.917866e-02	2.831054e-02	1.903482e-02
0.004467	5.297365e-03	9.468722e-03	2.184426e-02	2.624218e-02	2.713224e-02	2.633377e-02	1.729329e-02
0.005012	4.875234e-03	8.611351e-03	1.997922e-02	2.418298e-02	2.509616e-02	2.438367e-02	1.566412e-02
0.005623	4.484911e-03	7.824052e-03	1.818943e-02	2.216383e-02	2.309825e-02	2.247775e-02	1.415442e-02
0.006310	4.123421e-03	7.103506e-03	1.648860e-02	2.020771e-02	2.115682e-02	2.063934e-02	1.276539e-02
0.007079	3.787900e-03	6.446154e-03	1.488732e-02	1.833342e-02	1.929458e-02	1.887964e-02	1.149700e-02
0.007943	3.475013e-03	5.847951e-03	1.339347e-02	1.655783e-02	1.752396e-02	1.721516e-02	1.034463e-02
0.008913	3.181390e-03	5.304523e-03	1.201182e-02	1.489297e-02	1.585963e-02	1.565078e-02	9.303459e-03
0.010000	2.903806e-03	4.811155e-03	1.074476e-02	1.334791e-02	1.430686e-02	1.419496e-02	8.362799e-03
0.011220	2.640016e-03	4.362711e-03	9.591866e-03	1.192707e-02	1.287272e-02	1.284678e-02	7.424860e-03
0.012589	2.388553e-03	3.954021e-03	8.550637e-03	1.063225e-02	1.155601e-02	1.160246e-02	6.578191e-03
0.014125	2.147878e-03	3.579409e-03	7.616371e-03	9.461225e-03	1.035673e-02	1.040565e-02	5.830806e-03
0.015849	1.917351e-03	3.233349e-03	6.782856e-03	8.409610e-03	9.268096e-03	9.309816e-03	5.166260e-03
0.017783	1.696948e-03	2.911107e-03	6.042293e-03	7.470313e-03	8.272656e-03	8.321988e-03	4.570560e-03
0.019953	1.487588e-03	2.609216e-03	5.385753e-03	6.633741e-03	7.366832e-03	7.433641e-03	4.030279e-03
0.022387	1.290386e-03	2.324665e-03	4.803201e-03	5.887973e-03	6.554721e-03	6.634947e-03	3.539026e-03
0.025119	1.106649e-03	2.055390e-03	4.284369e-03	5.223699e-03	5.828960e-03	5.916554e-03	3.091131e-03
0.028184	9.374657e-04	1.800450e-03	3.820006e-03	4.632707e-03	5.179020e-03	5.269024e-03	2.682104e-03
0.031623	7.839944e-04	1.560075e-03	3.401660e-03	4.104504e-03	4.595208e-03	4.683851e-03	2.307312e-03
0.035481	6.469946e-04	1.335402e-03	3.021414e-03	3.629313e-03	4.067888e-03	4.153188e-03	1.964641e-03
0.039811	5.267096e-04	1.127850e-03	2.672456e-03	3.198378e-03	3.589478e-03	3.670495e-03	1.654082e-03
0.044668	4.228890e-04	9.390288e-04	2.349806e-03	2.805029e-03	3.153098e-03	3.230308e-03	1.375684e-03
0.050119	3.348128e-04	7.699987e-04	2.050138e-03	2.444265e-03	2.754128e-03	2.828442e-03	1.127725e-03
0.056234	2.614188e-04	6.215821e-04	1.771886e-03	2.113043e-03	2.388893e-03	2.461713e-03	9.138259e-04
0.063096	2.012719e-04	4.937657e-04	1.514759e-03	1.809746e-03	2.055367e-03	2.127941e-03	7.321830e-04
0.070795	1.528392e-04	3.859664e-04	1.279353e-03	1.533861e-03	1.752489e-03	1.826132e-03	5.799850e-04
0.079433	1.144652e-04	2.968056e-04	1.066525e-03	1.285729e-03	1.480357e-03	1.556812e-03	4.547153e-04
0.089125	8.457719e-05	2.245887e-04	8.769094e-04	1.065399e-03	1.239488e-03	1.320004e-03	3.536685e-04
0.100000	6.165279e-05	1.672373e-04	7.107913e-04	8.722744e-04	1.028321e-03	1.112454e-03	2.729861e-04
0.112202	4.436049e-05	1.226102e-04	5.678410e-04	7.053109e-04	8.443045e-04	9.300785e-04	2.090260e-04
0.125893	3.150471e-05	8.852590e-05	4.471341e-04	5.633083e-04	6.856572e-04	7.706776e-04	1.588117e-04
0.141254	2.209879e-05	6.299101e-05	3.470703e-04	4.444066e-04	5.509559e-04	6.329220e-04	1.197773e-04
0.158489	1.531227e-05	4.419398e-05	2.656110e-04	3.464823e-04	4.382430e-04	5.153715e-04	8.978838e-05

0.177828	1.049107e-05	3.060030e-05	2.004366e-04	2.670599e-04	3.452797e-04	4.162781e-04	6.705085e-05
0.199526	7.109744e-06	2.093188e-05	1.492198e-04	2.035956e-04	2.694490e-04	3.335919e-04	4.989007e-05
0.223872	4.773121e-06	1.416731e-05	1.096629e-04	1.535621e-04	2.084153e-04	2.652197e-04	3.699201e-05
0.251189	3.177505e-06	9.501566e-06	7.960690e-05	1.146705e-04	1.598795e-04	2.092432e-04	2.737896e-05
0.281838	2.101801e-06	6.326613e-06	5.710518e-05	8.483841e-05	1.217585e-04	1.638933e-04	2.024024e-05
0.316228	1.383438e-06	4.192037e-06	4.051277e-05	6.224663e-05	9.211948e-05	1.275284e-04	1.494113e-05
0.354813	9.087162e-07	2.771708e-06	2.845228e-05	4.532983e-05	6.931118e-05	9.864570e-05	1.101915e-05
0.398107	5.970282e-07	1.834123e-06	1.980539e-05	3.280351e-05	5.190186e-05	7.589764e-05	8.116594e-06
0.446684	3.936157e-07	1.218199e-06	1.368201e-05	2.361613e-05	3.872109e-05	5.811350e-05	5.967826e-06
0.501187	2.609925e-07	8.144493e-07	9.395427e-06	1.693680e-05	2.879849e-05	4.430596e-05	4.374065e-06
0.562341	1.744663e-07	5.491985e-07	6.423373e-06	1.211444e-05	2.136594e-05	3.365220e-05	3.191812e-06
0.630957	1.177499e-07	3.740579e-07	4.379710e-06	8.651833e-06	1.581613e-05	2.547238e-05	2.317250e-06
0.707946	8.028067e-08	2.573308e-07	2.983529e-06	6.173999e-06	1.168173e-05	1.921486e-05	1.671151e-06
0.794328	5.527567e-08	1.786983e-07	2.033852e-06	4.403693e-06	8.604319e-06	1.444097e-05	1.194778e-06
0.891251	3.836517e-08	1.250401e-07	1.389040e-06	3.139401e-06	6.315346e-06	1.080575e-05	8.450545e-07
1.000000	2.679191e-08	8.794400e-08	9.510402e-07	2.235338e-06	4.612027e-06	8.040895e-06	5.894427e-07
1.122019	1.876636e-08	6.198538e-08	6.528323e-07	1.587727e-06	3.343484e-06	5.940000e-06	4.041645e-07
1.258925	1.315486e-08	4.364891e-08	4.489632e-07	1.122785e-06	2.399088e-06	4.344890e-06	2.707725e-07
1.412538	9.197067e-09	3.062015e-08	3.089022e-07	7.884867e-07	1.696943e-06	3.134880e-06	1.756490e-07
1.584893	6.395574e-09	2.133301e-08	2.121491e-07	5.479648e-07	1.176143e-06	2.218378e-06	1.091584e-07
1.778279	4.408680e-09	1.471282e-08	1.450248e-07	3.750817e-07	7.911687e-07	1.526135e-06	6.479918e-08
1.995262	3.002283e-09	1.000440e-08	9.829604e-08	2.511648e-07	5.079322e-07	1.006041e-06	3.794185e-08
2.238721	2.010856e-09	6.675721e-09	6.570384e-08	1.625823e-07	3.010858e-07	6.196390e-07	2.172125e-08
2.511886	1.316266e-09	4.340552e-09	4.299571e-08	9.959894e-08	1.526840e-07	3.411674e-07	1.109833e-08
2.818383	8.334482e-10	2.718047e-09	2.722838e-08	5.517531e-08	5.476798e-08	1.577138e-07	4.430200e-09
3.162278	5.519413e-10	1.775222e-09	1.803123e-08	3.066376e-08	2.757585e-08	8.653450e-08	2.240366e-09
3.548134	2.704344e-10	8.323978e-10	8.834084e-09	6.152216e-09	3.837116e-10	1.535520e-08	5.053257e-11

Browns Ferry (34.70° N, 87.12° E), Response Spectra

Frequency (Hz)	UHSR 1E-4 (g)	GMRS (g)	UHSR 1E-5 (g)
0.500000	0.083622	0.092799	0.180369
0.561009	0.089575	0.098882	0.191938
0.629463	0.095004	0.104225	0.201994
0.706269	0.100355	0.109192	0.211185
0.792447	0.105882	0.114417	0.220913
0.889140	0.112609	0.120783	0.232770
0.997631	0.120413	0.128446	0.247197
1.000000	0.120584	0.128615	0.247514
1.122019	0.134660	0.148091	0.287186
1.258925	0.148652	0.165828	0.322732
1.412538	0.161897	0.181503	0.353676
1.584893	0.174705	0.195698	0.381257
1.778279	0.189087	0.211172	0.411095
1.995262	0.204577	0.227316	0.441962
2.238721	0.219267	0.241977	0.469662
2.500000	0.231419	0.253743	0.491704
2.805046	0.238163	0.265349	0.516254

3.147313	0.242802	0.273931	0.534625
3.531344	0.246512	0.280763	0.549258
3.962233	0.249839	0.286499	0.561436
4.445698	0.255591	0.294480	0.577756
4.988156	0.264677	0.305835	0.600469
5.000000	0.264899	0.306105	0.601006
5.610092	0.272373	0.320012	0.630925
6.294627	0.279783	0.333330	0.659475
7.062688	0.288829	0.348136	0.690776
7.924466	0.294531	0.358325	0.712648
8.891397	0.298195	0.365252	0.727657
9.976312	0.305501	0.376038	0.750063
10.000000	0.305694	0.376308	0.750617
11.220185	0.302669	0.375113	0.749501
12.589254	0.302629	0.377593	0.755724
14.125375	0.307720	0.386759	0.775484
15.848932	0.318876	0.403491	0.810398
17.782794	0.332141	0.423131	0.851284
19.952623	0.343342	0.440423	0.887597
22.387211	0.352651	0.455102	0.918566
25.000000	0.352104	0.454382	0.917106
28.050461	0.344823	0.445374	0.899121
31.473135	0.331890	0.428321	0.864518
35.313439	0.315084	0.405382	0.817590
39.622330	0.297185	0.381272	0.768418
44.456985	0.285281	0.365826	0.737200
49.881558	0.270711	0.347108	0.699463
55.968028	0.255207	0.326562	0.657725
62.797161	0.234887	0.298196	0.599409
70.459573	0.214054	0.268578	0.538293
79.056942	0.195595	0.242829	0.485396
88.703347	0.179157	0.220358	0.439455
99.526793	0.165508	0.202164	0.402473
100.000000	0.151814	0.184974	0.368021