

Brunswick (33.96° N, 78.01° 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	3.706174e-03	6.043482e-03	8.991243e-03	9.537782e-03	9.638443e-03	9.541669e-03	8.970570e-03
0.001122	3.706074e-03	6.023248e-03	8.978041e-03	9.525278e-03	9.635004e-03	9.541241e-03	8.970553e-03
0.001259	3.705523e-03	5.954531e-03	8.937418e-03	9.492773e-03	9.628766e-03	9.539025e-03	8.970115e-03
0.001413	3.703025e-03	5.813516e-03	8.849308e-03	9.432582e-03	9.618157e-03	9.530595e-03	8.964975e-03
0.001585	3.694267e-03	5.613890e-03	8.705223e-03	9.345364e-03	9.601081e-03	9.504250e-03	8.935656e-03
0.001778	3.671402e-03	5.381061e-03	8.513178e-03	9.234013e-03	9.574926e-03	9.448232e-03	8.847659e-03
0.001995	3.626302e-03	5.131994e-03	8.286996e-03	9.099583e-03	9.536768e-03	9.365379e-03	8.688789e-03
0.002239	3.552316e-03	4.876556e-03	8.035967e-03	8.942003e-03	9.483826e-03	9.260734e-03	8.480802e-03
0.002512	3.440689e-03	4.620987e-03	7.764384e-03	8.761003e-03	9.413920e-03	9.136317e-03	8.243614e-03
0.002818	3.295201e-03	4.369940e-03	7.474846e-03	8.556399e-03	9.325634e-03	8.991966e-03	7.983478e-03
0.003162	3.137915e-03	4.126845e-03	7.169951e-03	8.328334e-03	9.218088e-03	8.826825e-03	7.702703e-03
0.003548	2.983689e-03	3.893860e-03	6.852647e-03	8.077530e-03	9.090622e-03	8.640221e-03	7.403957e-03
0.003981	2.835990e-03	3.671997e-03	6.526262e-03	7.805392e-03	8.942647e-03	8.431934e-03	7.090290e-03
0.004467	2.694697e-03	3.461434e-03	6.194381e-03	7.513952e-03	8.773702e-03	8.202339e-03	6.765117e-03
0.005012	2.558915e-03	3.261783e-03	5.860657e-03	7.205799e-03	8.583582e-03	7.952533e-03	6.432278e-03
0.005623	2.427556e-03	3.072291e-03	5.528621e-03	6.883997e-03	8.372457e-03	7.684184e-03	6.095802e-03
0.006310	2.299535e-03	2.891966e-03	5.201554e-03	6.551981e-03	8.140942e-03	7.399453e-03	5.759563e-03
0.007079	2.173858e-03	2.719670e-03	4.882368e-03	6.213419e-03	7.890128e-03	7.100938e-03	5.427086e-03
0.007943	2.049676e-03	2.554204e-03	4.573502e-03	5.872044e-03	7.621584e-03	6.791534e-03	5.101440e-03
0.008913	1.926319e-03	2.394370e-03	4.276844e-03	5.531479e-03	7.337318e-03	6.474413e-03	4.785122e-03
0.010000	1.803340e-03	2.239069e-03	3.993676e-03	5.195085e-03	7.039721e-03	6.152763e-03	4.480007e-03
0.011220	1.680522e-03	2.087361e-03	3.724665e-03	4.865832e-03	6.731479e-03	5.829757e-03	4.187293e-03
0.012589	1.557883e-03	1.938535e-03	3.469894e-03	4.546173e-03	6.415475e-03	5.508295e-03	3.907541e-03
0.014125	1.435625e-03	1.792150e-03	3.228918e-03	4.237976e-03	6.094675e-03	5.191033e-03	3.640637e-03
0.015849	1.314132e-03	1.648082e-03	3.000862e-03	3.942478e-03	5.772006e-03	4.880066e-03	3.385361e-03
0.017783	1.193996e-03	1.506460e-03	2.784528e-03	3.660294e-03	5.450247e-03	4.576587e-03	3.138449e-03
0.019953	1.076187e-03	1.367641e-03	2.578533e-03	3.391467e-03	5.131937e-03	4.279978e-03	2.896041e-03
0.022387	9.619204e-04	1.232262e-03	2.381439e-03	3.135551e-03	4.819289e-03	3.986749e-03	2.657798e-03
0.025119	8.522835e-04	1.101197e-03	2.191876e-03	2.891653e-03	4.514144e-03	3.692509e-03	2.426381e-03
0.028184	7.482449e-04	9.753990e-04	2.008666e-03	2.658617e-03	4.217928e-03	3.401802e-03	2.203559e-03
0.031623	6.507108e-04	8.558258e-04	1.830996e-03	2.435543e-03	3.931637e-03	3.122186e-03	1.989716e-03
0.035481	5.604459e-04	7.434324e-04	1.658579e-03	2.221973e-03	3.655829e-03	2.855842e-03	1.784965e-03
0.039811	4.779523e-04	6.391155e-04	1.491649e-03	2.017546e-03	3.390672e-03	2.602203e-03	1.589629e-03
0.044668	4.034554e-04	5.436162e-04	1.330813e-03	1.821935e-03	3.136050e-03	2.360564e-03	1.404385e-03
0.050119	3.370052e-04	4.573749e-04	1.176896e-03	1.635005e-03	2.891708e-03	2.130582e-03	1.230184e-03
0.056234	2.785329e-04	3.805309e-04	1.030860e-03	1.456899e-03	2.657373e-03	1.912193e-03	1.068032e-03
0.063096	2.278100e-04	3.129986e-04	8.937320e-04	1.288028e-03	2.432808e-03	1.705580e-03	9.187896e-04
0.070795	1.844110e-04	2.545007e-04	7.665103e-04	1.129016e-03	2.217837e-03	1.511128e-03	7.828963e-04
0.079433	1.477288e-04	2.045485e-04	6.500400e-04	9.805904e-04	2.012364e-03	1.329367e-03	6.598825e-04
0.089125	1.170933e-04	1.624892e-04	5.448889e-04	8.434797e-04	1.816413e-03	1.160892e-03	5.483808e-04
0.100000	9.183625e-05	1.275691e-04	4.512916e-04	7.183093e-04	1.630142e-03	1.006236e-03	4.476316e-04
0.112202	7.129847e-05	9.898732e-05	3.691889e-04	6.054933e-04	1.453832e-03	8.657028e-04	3.586558e-04
0.125893	5.480911e-05	7.592451e-05	2.982708e-04	5.051391e-04	1.287844e-03	7.392510e-04	2.828391e-04
0.141254	4.171760e-05	5.757451e-05	2.379722e-04	4.170439e-04	1.132561e-03	6.264896e-04	2.201684e-04
0.158489	3.143959e-05	4.317402e-05	1.874950e-04	3.407430e-04	9.883268e-04	5.267728e-04	1.693448e-04

0.177828	2.346724e-05	3.202628e-05	1.458892e-04	2.755463e-04	8.553928e-04	4.393293e-04	1.286763e-04
0.199526	1.735992e-05	2.350995e-05	1.121289e-04	2.205835e-04	7.338893e-04	3.633210e-04	9.656115e-05
0.223872	1.273234e-05	1.708672e-05	8.515631e-05	1.748686e-04	6.238270e-04	2.978440e-04	7.155436e-05
0.251189	9.257071e-06	1.230247e-05	6.392210e-05	1.373463e-04	5.251065e-04	2.419633e-04	5.237713e-05
0.281838	6.672795e-06	8.781440e-06	4.743658e-05	1.069298e-04	4.375130e-04	1.947513e-04	3.790686e-05
0.316228	4.773899e-06	6.218643e-06	3.481271e-05	8.255294e-05	3.606932e-04	1.552958e-04	2.714180e-05
0.354813	3.395333e-06	4.372982e-06	2.527948e-05	6.322680e-05	2.941394e-04	1.227017e-04	1.923943e-05
0.398107	2.403807e-06	3.057450e-06	1.817759e-05	4.806846e-05	2.372004e-04	9.608983e-05	1.350489e-05
0.446684	1.695218e-06	2.128348e-06	1.295472e-05	3.630272e-05	1.891169e-04	7.459836e-05	9.384824e-06
0.501187	1.191590e-06	1.477349e-06	9.159785e-06	2.725699e-05	1.490576e-04	5.741208e-05	6.456820e-06
0.562341	8.355667e-07	1.024219e-06	6.433459e-06	2.036040e-05	1.161468e-04	4.380049e-05	4.395143e-06
0.630957	5.853136e-07	7.103344e-07	4.495592e-06	1.514034e-05	8.948922e-05	3.312913e-05	2.958574e-06
0.707946	4.102608e-07	4.935187e-07	3.130659e-06	1.121382e-05	6.819833e-05	2.484720e-05	1.965505e-06
0.794328	2.880241e-07	3.438877e-07	2.175210e-06	8.275874e-06	5.142649e-05	1.847611e-05	1.284548e-06
0.891251	2.025719e-07	2.405265e-07	1.509455e-06	6.086575e-06	3.839011e-05	1.361142e-05	8.242788e-07
1.000000	1.427776e-07	1.688957e-07	1.047687e-06	4.459430e-06	2.838621e-05	9.925050e-06	5.182541e-07
1.122019	1.009650e-07	1.189151e-07	7.282096e-07	3.251808e-06	2.080084e-05	7.156959e-06	3.186387e-07
1.258925	7.173438e-08	8.374173e-08	5.070166e-07	2.356643e-06	1.511163e-05	5.100821e-06	1.908132e-07
1.412538	5.124734e-08	5.887017e-08	3.535945e-07	1.694592e-06	1.088569e-05	3.591243e-06	1.109317e-07
1.584893	3.680754e-08	4.130411e-08	2.470104e-07	1.206953e-06	7.773480e-06	2.495561e-06	6.230604e-08
1.778279	2.655089e-08	2.895269e-08	1.727959e-07	8.500347e-07	5.499540e-06	1.709304e-06	3.354542e-08
1.995262	1.919863e-08	2.029706e-08	1.209585e-07	5.910001e-07	3.851155e-06	1.152161e-06	1.713989e-08
2.238721	1.388210e-08	1.422171e-08	8.463389e-08	4.049663e-07	2.666404e-06	7.630229e-07	8.221003e-09
2.511886	1.001609e-08	9.926577e-09	5.908411e-08	2.730187e-07	1.823019e-06	4.954382e-07	3.621251e-09
2.818383	7.199956e-09	6.879101e-09	4.105811e-08	1.807873e-07	1.229054e-06	3.144526e-07	1.413653e-09
3.162278	5.149937e-09	4.731991e-09	2.834895e-08	1.173817e-07	8.156587e-07	1.942782e-07	4.635939e-10
3.548134	3.660724e-09	3.229111e-09	1.943403e-08	7.459876e-08	5.316514e-07	1.162254e-07	1.163953e-10
3.981072	2.582740e-09	2.180719e-09	1.322688e-08	4.632486e-08	3.393581e-07	6.691293e-08	1.982456e-11
4.466836	1.806425e-09	1.453136e-09	8.934945e-09	2.806586e-08	2.113438e-07	3.683255e-08	2.054584e-12
5.011872	1.251043e-09	9.523965e-10	5.980917e-09	1.656839e-08	1.278335e-07	1.926372e-08	1.199450e-13
5.623413	9.152791e-10	6.679501e-10	4.273877e-09	1.094264e-08	8.488537e-08	1.183856e-08	6.000304e-14
6.309573	5.795155e-10	3.835036e-10	2.566837e-09	5.316886e-09	4.193725e-08	4.413397e-09	6.104695e-17

Brunswick (33.96° N, 78.01° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.096045	0.121607	0.244282
0.561009	0.100717	0.126375	0.253287
0.629463	0.102697	0.127822	0.255670
0.706269	0.101699	0.125670	0.250913
0.792447	0.100309	0.122856	0.244749
0.889140	0.102022	0.124123	0.246862
0.997631	0.111408	0.135286	0.268936
1.000000	0.111685	0.135623	0.269606
1.122019	0.127609	0.158157	0.316011
1.258925	0.143226	0.178329	0.356724
1.412538	0.159267	0.197518	0.394719
1.584893	0.175533	0.216722	0.432614

1.778279	0.187105	0.227280	0.451847
1.995262	0.192421	0.231379	0.458831
2.238721	0.198888	0.236577	0.467871
2.500000	0.209316	0.246709	0.486789
2.805046	0.217164	0.258669	0.511735
3.147313	0.225182	0.271765	0.539410
3.531344	0.233480	0.284176	0.565239
3.962233	0.244581	0.301812	0.602387
4.445698	0.259312	0.323895	0.648427
4.988156	0.290368	0.367980	0.739358
5.000000	0.291235	0.369175	0.741805
5.610092	0.317994	0.413297	0.835668
6.294627	0.365856	0.476726	0.964537
7.062688	0.426121	0.547099	1.102835
7.924466	0.495942	0.615965	1.231397
8.891397	0.553237	0.685091	1.368574
9.976312	0.599727	0.730191	1.452507
10.000000	0.600764	0.731094	1.454123
11.220185	0.618615	0.745099	1.478166
12.589254	0.615888	0.750932	1.494294
14.125375	0.587753	0.728669	1.456045
15.848932	0.539212	0.671845	1.344180
17.782794	0.483071	0.610643	1.226146
19.952623	0.432282	0.549385	1.104626
22.387211	0.390699	0.496097	0.997261
25.000000	0.356054	0.440512	0.879790
28.050461	0.332961	0.407275	0.811097
31.473135	0.321716	0.387975	0.769922
35.313439	0.313070	0.376121	0.745693
39.622330	0.304550	0.363865	0.720395
44.456985	0.292660	0.345265	0.681414
49.881558	0.280797	0.329103	0.648453
55.968028	0.269740	0.312663	0.614356
62.797161	0.257510	0.295094	0.578181
70.459573	0.245773	0.279772	0.547247
79.056942	0.233944	0.264876	0.517412
88.703347	0.222133	0.251155	0.490438
99.526793	0.211541	0.239851	0.468693
100.000000	0.196746	0.223849	0.437802