

Seabrook (42.90° N, 70.85° 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	5.573739e-03	1.001240e-02	1.507472e-02	1.607795e-02	1.626941e-02	1.604840e-02	1.490961e-02
0.001122	5.176759e-03	9.468199e-03	1.473600e-02	1.590051e-02	1.613791e-02	1.587806e-02	1.454338e-02
0.001259	4.794955e-03	8.931703e-03	1.437848e-02	1.570538e-02	1.599037e-02	1.569050e-02	1.415734e-02
0.001413	4.428334e-03	8.397653e-03	1.398298e-02	1.547529e-02	1.581238e-02	1.546999e-02	1.373142e-02
0.001585	4.076659e-03	7.868912e-03	1.355019e-02	1.520731e-02	1.560018e-02	1.521363e-02	1.326747e-02
0.001778	3.740172e-03	7.348666e-03	1.308295e-02	1.490056e-02	1.535214e-02	1.492069e-02	1.276940e-02
0.001995	3.418967e-03	6.839536e-03	1.258449e-02	1.455450e-02	1.506646e-02	1.459072e-02	1.224195e-02
0.002239	3.112725e-03	6.342927e-03	1.205681e-02	1.416777e-02	1.474092e-02	1.422262e-02	1.168834e-02
0.002512	2.821482e-03	5.860294e-03	1.150305e-02	1.374030e-02	1.437434e-02	1.381684e-02	1.111329e-02
0.002818	2.545450e-03	5.393267e-03	1.092762e-02	1.327374e-02	1.396736e-02	1.337534e-02	1.052235e-02
0.003162	2.285061e-03	4.943269e-03	1.033529e-02	1.277081e-02	1.352173e-02	1.290141e-02	9.921742e-03
0.003548	2.040397e-03	4.511247e-03	9.730388e-03	1.223422e-02	1.303937e-02	1.239814e-02	9.316651e-03
0.003981	1.811890e-03	4.098291e-03	9.117788e-03	1.166806e-02	1.252379e-02	1.187013e-02	8.713020e-03
0.004467	1.599541e-03	3.705087e-03	8.501950e-03	1.107643e-02	1.197853e-02	1.132169e-02	8.115774e-03
0.005012	1.403672e-03	3.332637e-03	7.887840e-03	1.046471e-02	1.140872e-02	1.075833e-02	7.530323e-03
0.005623	1.224127e-03	2.981516e-03	7.279988e-03	9.838237e-03	1.081935e-02	1.018510e-02	6.961012e-03
0.006310	1.060943e-03	2.652597e-03	6.683224e-03	9.203224e-03	1.021652e-02	9.607634e-03	6.412186e-03
0.007079	9.137349e-04	2.346125e-03	6.101524e-03	8.565253e-03	9.605543e-03	9.030676e-03	5.886963e-03
0.007943	7.823767e-04	2.062703e-03	5.539293e-03	7.930699e-03	8.992648e-03	8.459266e-03	5.388218e-03
0.008913	6.657271e-04	1.802327e-03	5.000143e-03	7.305357e-03	8.383317e-03	7.897687e-03	4.917858e-03
0.010000	5.630942e-04	1.565134e-03	4.487696e-03	6.695108e-03	7.783177e-03	7.349922e-03	4.477152e-03
0.011220	4.734796e-04	1.350590e-03	4.004468e-03	6.104785e-03	7.196750e-03	6.819067e-03	4.067042e-03
0.012589	3.959539e-04	1.158401e-03	3.553166e-03	5.539415e-03	6.628833e-03	6.308079e-03	3.686938e-03
0.014125	3.293915e-04	9.876304e-04	3.135073e-03	5.002519e-03	6.082708e-03	5.818872e-03	3.336175e-03
0.015849	2.726505e-04	8.370800e-04	2.751105e-03	4.496970e-03	5.561290e-03	5.353118e-03	3.013582e-03
0.017783	2.246546e-04	7.055080e-04	2.401757e-03	4.025352e-03	5.067214e-03	4.911921e-03	2.717969e-03
0.019953	1.844189e-04	5.915721e-04	2.086790e-03	3.589127e-03	4.602349e-03	4.496049e-03	2.447755e-03
0.022387	1.508982e-04	4.936106e-04	1.804918e-03	3.188467e-03	4.167198e-03	4.105462e-03	2.201224e-03
0.025119	1.231216e-04	4.100176e-04	1.554483e-03	2.822780e-03	3.762062e-03	3.739929e-03	1.976570e-03
0.028184	1.002373e-04	3.392094e-04	1.333656e-03	2.491333e-03	3.386937e-03	3.399166e-03	1.772154e-03
0.031623	8.147112e-05	2.796329e-04	1.140201e-03	2.192587e-03	3.041317e-03	3.082644e-03	1.586327e-03
0.035481	6.614350e-05	2.297828e-04	9.717299e-04	1.924700e-03	2.724229e-03	2.789555e-03	1.417540e-03
0.039811	5.365701e-05	1.883176e-04	8.257131e-04	1.685404e-03	2.434431e-03	2.518983e-03	1.264331e-03
0.044668	4.350979e-05	1.539908e-04	6.997389e-04	1.472454e-03	2.170492e-03	2.269890e-03	1.125353e-03
0.050119	3.527429e-05	1.256765e-04	5.914242e-04	1.283441e-03	1.930827e-03	2.041166e-03	9.993813e-04
0.056234	2.859748e-05	1.023980e-04	4.986089e-04	1.116120e-03	1.713817e-03	1.831670e-03	8.853073e-04
0.063096	2.318442e-05	8.330856e-05	4.192697e-04	9.682718e-04	1.517781e-03	1.640203e-03	7.823491e-04
0.070795	1.879604e-05	6.768870e-05	3.516137e-04	8.378679e-04	1.341069e-03	1.465568e-03	6.892985e-04
0.079433	1.523614e-05	5.492574e-05	2.940460e-04	7.230321e-04	1.182076e-03	1.306571e-03	6.053479e-04
0.089125	1.234656e-05	4.451114e-05	2.451712e-04	6.220822e-04	1.039296e-03	1.162080e-03	5.297539e-04
0.100000	9.999413e-06	3.602067e-05	2.037713e-04	5.335025e-04	9.112960e-04	1.030983e-03	4.618497e-04
0.112202	8.091523e-06	2.910525e-05	1.687838e-04	4.559250e-04	7.967365e-04	9.122139e-04	4.010061e-04
0.125893	6.540087e-06	2.347776e-05	1.393028e-04	3.881646e-04	6.944258e-04	8.048034e-04	3.466752e-04
0.141254	5.277943e-06	1.890187e-05	1.145296e-04	3.291219e-04	6.032032e-04	7.078401e-04	2.983157e-04
0.158489	4.251245e-06	1.518463e-05	9.377860e-05	2.778269e-04	5.220394e-04	6.204644e-04	2.554232e-04

0.177828	3.416458e-06	1.216891e-05	7.646597e-05	2.334425e-04	4.500399e-04	5.419428e-04	2.175692e-04
0.199526	2.738463e-06	9.726309e-06	6.208363e-05	1.952075e-04	3.863874e-04	4.715893e-04	1.843301e-04
0.223872	2.188233e-06	7.750429e-06	5.017994e-05	1.623942e-04	3.302564e-04	4.086930e-04	1.552754e-04
0.251189	1.742424e-06	6.155055e-06	4.036792e-05	1.343579e-04	2.809276e-04	3.526244e-04	1.299972e-04
0.281838	1.381944e-06	4.869716e-06	3.231858e-05	1.105315e-04	2.377524e-04	3.028292e-04	1.081412e-04
0.316228	1.091296e-06	3.837097e-06	2.574706e-05	9.039830e-05	2.001457e-04	2.587940e-04	8.935909e-05
0.354813	8.576013e-07	3.009752e-06	2.040773e-05	7.348280e-05	1.675356e-04	2.200104e-04	7.332919e-05
0.398107	6.704168e-07	2.349215e-06	1.609036e-05	5.935581e-05	1.394106e-04	1.860140e-04	5.973553e-05
0.446684	5.210505e-07	1.823703e-06	1.261679e-05	4.763222e-05	1.152800e-04	1.563553e-04	4.829417e-05
0.501187	4.024422e-07	1.407478e-06	9.835964e-06	3.796493e-05	9.470155e-05	1.306190e-04	3.873042e-05
0.562341	3.087257e-07	1.079313e-06	7.621571e-06	3.004857e-05	7.725835e-05	1.084110e-04	3.080696e-05
0.630957	2.351207e-07	8.219978e-07	5.867524e-06	2.360923e-05	6.257144e-05	8.936193e-05	2.428958e-05
0.707946	1.776572e-07	6.213433e-07	4.485863e-06	1.840905e-05	5.028575e-05	7.312101e-05	1.897958e-05
0.794328	1.331118e-07	4.658948e-07	3.403787e-06	1.423847e-05	4.008248e-05	5.936337e-05	1.468617e-05
0.891251	9.883413e-08	3.462913e-07	2.561743e-06	1.091966e-05	3.167089e-05	4.778973e-05	1.125126e-05
1.000000	7.267074e-08	2.549673e-07	1.910771e-06	8.297674e-06	2.478953e-05	3.812086e-05	8.525968e-06
1.122019	5.286667e-08	1.857817e-07	1.411102e-06	6.242820e-06	1.920344e-05	3.010210e-05	6.387580e-06
1.258925	3.801518e-08	1.338330e-07	1.030557e-06	4.645037e-06	1.470704e-05	2.350304e-05	4.724118e-06
1.412538	2.698215e-08	9.517630e-08	7.431417e-07	3.413323e-06	1.111760e-05	1.811491e-05	3.446103e-06
1.584893	1.886366e-08	6.667589e-08	5.278716e-07	2.471187e-06	8.275899e-06	1.374857e-05	2.472693e-06
1.778279	1.295713e-08	4.589396e-08	3.683451e-07	1.757899e-06	6.048384e-06	1.024373e-05	1.741630e-06
1.995262	8.707442e-09	3.090552e-08	2.513609e-07	1.222959e-06	4.319336e-06	7.455795e-06	1.198468e-06
2.238721	5.683398e-09	2.021223e-08	1.665020e-07	8.257684e-07	2.989618e-06	5.257660e-06	8.005574e-07
2.511886	3.554740e-09	1.266537e-08	1.055976e-07	5.336009e-07	1.976673e-06	3.539492e-06	5.119874e-07
2.818383	2.075589e-09	7.407231e-09	6.246850e-08	3.212863e-07	1.213632e-06	2.210811e-06	3.062060e-07
3.162278	1.190132e-09	4.248356e-09	3.602666e-08	1.862839e-07	7.029400e-07	1.288932e-06	1.797097e-07
3.548134	3.046750e-10	1.089481e-09	9.584814e-09	5.128151e-08	1.922484e-07	3.670536e-07	5.321345e-08

Seabrook (42.90° N, 70.85° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.028221	0.046586	0.099997
0.561009	0.032614	0.054039	0.116104
0.629463	0.037154	0.061451	0.131970
0.706269	0.041836	0.068895	0.147793
0.792447	0.046671	0.076428	0.163724
0.889140	0.051677	0.084103	0.179889
0.997631	0.056874	0.091954	0.196356
1.000000	0.056983	0.092118	0.196701
1.122019	0.066886	0.110433	0.237057
1.258925	0.077558	0.128442	0.275924
1.412538	0.088882	0.146273	0.313735
1.584893	0.100762	0.164030	0.350865
1.778279	0.113162	0.181828	0.387671
1.995262	0.126069	0.199769	0.424444
2.238721	0.139449	0.217946	0.461469
2.500000	0.152733	0.235657	0.497369
2.805046	0.173278	0.270128	0.571593

3.147313	0.195574	0.304567	0.644298
3.531344	0.219407	0.339014	0.715764
3.962233	0.244581	0.373447	0.786126
4.445698	0.270962	0.407873	0.855539
4.988156	0.298469	0.442535	0.924741
5.000000	0.299047	0.443248	0.926156
5.610092	0.323719	0.484415	1.014591
6.294627	0.350971	0.526974	1.104663
7.062688	0.380644	0.570526	1.195434
7.924466	0.412953	0.615325	1.287408
8.891397	0.447821	0.660793	1.379167
9.976312	0.484671	0.706572	1.470262
10.000000	0.485464	0.707521	1.472128
11.220185	0.495145	0.723194	1.505554
12.589254	0.505888	0.740411	1.542190
14.125375	0.517970	0.759596	1.582934
15.848932	0.532006	0.780270	1.626066
17.782794	0.548593	0.803998	1.675202
19.952623	0.567935	0.831194	1.731269
22.387211	0.590061	0.861713	1.793867
25.000000	0.598932	0.872988	1.816464
28.050461	0.603329	0.878427	1.827278
31.473135	0.602818	0.877590	1.825489
35.313439	0.598146	0.871728	1.813783
39.622330	0.588645	0.860061	1.790643
44.456985	0.575633	0.843092	1.756378
49.881558	0.553337	0.812988	1.694995
55.968028	0.522466	0.771884	1.611523
62.797161	0.487429	0.723997	1.513576
70.459573	0.446345	0.666541	1.395329
79.056942	0.400952	0.600705	1.258533
88.703347	0.357599	0.536537	1.124506
99.526793	0.325273	0.489907	1.027760
100.000000	0.295470	0.445919	0.935950