

Point Beach (44.28° N, 87.54° 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	3.138537e-03	4.371977e-03	5.977988e-03	6.291965e-03	6.344719e-03	6.246274e-03	5.804481e-03
0.001122	3.094400e-03	4.358599e-03	5.976868e-03	6.290202e-03	6.344719e-03	6.246274e-03	5.804481e-03
0.001259	3.012095e-03	4.303022e-03	5.966516e-03	6.286634e-03	6.344719e-03	6.246273e-03	5.804480e-03
0.001413	2.909919e-03	4.219048e-03	5.922693e-03	6.280136e-03	6.344712e-03	6.246255e-03	5.804445e-03
0.001585	2.805808e-03	4.110552e-03	5.842311e-03	6.269376e-03	6.344615e-03	6.245965e-03	5.803915e-03
0.001778	2.702665e-03	3.986526e-03	5.736425e-03	6.252984e-03	6.343803e-03	6.243511e-03	5.799851e-03
0.001995	2.599812e-03	3.846717e-03	5.610985e-03	6.229683e-03	6.339725e-03	6.231967e-03	5.782488e-03
0.002239	2.495791e-03	3.694273e-03	5.468368e-03	6.198311e-03	6.326553e-03	6.198561e-03	5.733962e-03
0.002512	2.389682e-03	3.537753e-03	5.310384e-03	6.157662e-03	6.296723e-03	6.134341e-03	5.635791e-03
0.002818	2.279927e-03	3.381876e-03	5.138652e-03	6.106142e-03	6.246095e-03	6.045532e-03	5.487138e-03
0.003162	2.165863e-03	3.227172e-03	4.954156e-03	6.041419e-03	6.176639e-03	5.938933e-03	5.303597e-03
0.003548	2.046439e-03	3.073233e-03	4.757378e-03	5.960614e-03	6.090780e-03	5.813768e-03	5.096426e-03
0.003981	1.921497e-03	2.919062e-03	4.548773e-03	5.861316e-03	5.987825e-03	5.668322e-03	4.868623e-03
0.004467	1.790835e-03	2.763902e-03	4.328649e-03	5.742529e-03	5.865995e-03	5.501668e-03	4.621517e-03
0.005012	1.655034e-03	2.606585e-03	4.097402e-03	5.604462e-03	5.723730e-03	5.313269e-03	4.357117e-03
0.005623	1.515073e-03	2.446490e-03	3.855422e-03	5.447610e-03	5.559775e-03	5.103213e-03	4.078053e-03
0.006310	1.372431e-03	2.282892e-03	3.603430e-03	5.272305e-03	5.373375e-03	4.872576e-03	3.787658e-03
0.007079	1.229199e-03	2.115804e-03	3.342530e-03	5.078880e-03	5.164536e-03	4.623456e-03	3.489981e-03
0.007943	1.088027e-03	1.945480e-03	3.074439e-03	4.867927e-03	4.934137e-03	4.358755e-03	3.189530e-03
0.008913	9.533151e-04	1.772871e-03	2.801575e-03	4.640435e-03	4.683883e-03	4.081979e-03	2.890920e-03
0.010000	8.255689e-04	1.599484e-03	2.526937e-03	4.397856e-03	4.416272e-03	3.797163e-03	2.598638e-03
0.011220	7.062716e-04	1.427220e-03	2.254286e-03	4.142128e-03	4.134558e-03	3.508565e-03	2.316836e-03
0.012589	5.962809e-04	1.258516e-03	1.987642e-03	3.875660e-03	3.842623e-03	3.220521e-03	2.049139e-03
0.014125	4.968110e-04	1.095872e-03	1.731292e-03	3.601266e-03	3.544805e-03	2.937090e-03	1.798491e-03
0.015849	4.084180e-04	9.425193e-04	1.489105e-03	3.322102e-03	3.245631e-03	2.661931e-03	1.567057e-03
0.017783	3.308219e-04	8.001721e-04	1.264610e-03	3.041557e-03	2.949582e-03	2.398104e-03	1.356244e-03
0.019953	2.637131e-04	6.704732e-04	1.060321e-03	2.763144e-03	2.660851e-03	2.148081e-03	1.166786e-03
0.022387	2.069182e-04	5.541222e-04	8.779428e-04	2.490356e-03	2.383176e-03	1.913650e-03	9.985218e-04
0.025119	1.599527e-04	4.518091e-04	7.182417e-04	2.226519e-03	2.119665e-03	1.695903e-03	8.496296e-04
0.028184	1.217317e-04	3.633643e-04	5.813573e-04	1.974652e-03	1.872711e-03	1.494955e-03	7.168426e-04
0.031623	9.124870e-05	2.882818e-04	4.664032e-04	1.737340e-03	1.643967e-03	1.309506e-03	5.987592e-04
0.035481	6.735312e-05	2.255027e-04	3.712877e-04	1.516631e-03	1.434360e-03	1.137086e-03	4.965736e-04
0.039811	4.903113e-05	1.739536e-04	2.935491e-04	1.313964e-03	1.244110e-03	9.779615e-04	4.105649e-04
0.044668	3.518388e-05	1.322860e-04	2.307434e-04	1.130134e-03	1.072771e-03	8.355120e-04	3.391524e-04
0.050119	2.491177e-05	9.923609e-05	1.805367e-04	9.653125e-04	9.193863e-04	7.104547e-04	2.801889e-04
0.056234	1.739776e-05	7.345591e-05	1.407387e-04	8.191030e-04	7.828915e-04	6.015805e-04	2.316276e-04
0.063096	1.201140e-05	5.369999e-05	1.094143e-04	6.906228e-04	6.625964e-04	5.074075e-04	1.916654e-04
0.070795	8.195975e-06	3.878495e-05	8.490752e-05	5.786004e-04	5.579095e-04	4.264495e-04	1.587597e-04
0.079433	5.544868e-06	2.771404e-05	6.583692e-05	4.815459e-04	4.677448e-04	3.572506e-04	1.316211e-04
0.089125	3.722086e-06	1.962607e-05	5.105434e-05	3.980057e-04	3.906562e-04	2.984180e-04	1.091907e-04
0.100000	2.488654e-06	1.380285e-05	3.963268e-05	3.267302e-04	3.251528e-04	2.486450e-04	9.060767e-05
0.112202	1.662210e-06	9.661991e-06	3.083110e-05	2.665966e-04	2.698131e-04	2.067250e-04	7.512982e-05
0.125893	1.115629e-06	6.748211e-06	2.405395e-05	2.164338e-04	2.233084e-04	1.715587e-04	6.150380e-05
0.141254	7.532625e-07	4.715069e-06	1.882938e-05	1.749846e-04	1.844159e-04	1.421574e-04	4.923966e-05
0.158489	5.143483e-07	3.304089e-06	1.479308e-05	1.409943e-04	1.520260e-04	1.176392e-04	3.920037e-05

0.177828	3.564407e-07	2.329082e-06	1.166736e-05	1.132953e-04	1.251467e-04	9.720942e-05	3.113048e-05
0.199526	2.511356e-07	1.655790e-06	9.236582e-06	9.083937e-05	1.029003e-04	8.015091e-05	2.463066e-05
0.223872	1.801290e-07	1.189396e-06	7.335094e-06	7.270313e-05	8.451350e-05	6.588668e-05	1.932988e-05
0.251189	1.314071e-07	8.640819e-07	5.838286e-06	5.808895e-05	6.930593e-05	5.399437e-05	1.501812e-05
0.281838	9.742570e-08	6.353169e-07	4.655023e-06	4.632584e-05	5.670059e-05	4.412298e-05	1.157715e-05
0.316228	7.309548e-08	4.727067e-07	3.717178e-06	3.686539e-05	4.625063e-05	3.594370e-05	8.871452e-06
0.354813	5.541119e-08	3.556638e-07	2.971680e-06	2.926710e-05	3.762292e-05	2.915222e-05	6.751877e-06
0.398107	4.230310e-08	2.705463e-07	2.377311e-06	2.317604e-05	3.053374e-05	2.351604e-05	5.073186e-06
0.446684	3.239789e-08	2.082307e-07	1.901975e-06	1.830249e-05	2.471224e-05	1.887344e-05	3.754268e-06
0.501187	2.483493e-08	1.618968e-07	1.520643e-06	1.440934e-05	1.991857e-05	1.507344e-05	2.750464e-06
0.562341	1.903997e-08	1.268977e-07	1.213918e-06	1.130426e-05	1.597257e-05	1.196883e-05	1.982331e-06
0.630957	1.458944e-08	1.002480e-07	9.664418e-07	8.832401e-06	1.274284e-05	9.436829e-06	1.404819e-06
0.707946	1.116217e-08	7.981799e-08	7.662482e-07	6.868878e-06	1.011190e-05	7.380407e-06	9.818469e-07
0.794328	8.515845e-09	6.393244e-08	6.039966e-07	5.312555e-06	7.967362e-06	5.720732e-06	6.731023e-07
0.891251	6.460342e-09	5.140557e-08	4.727213e-07	4.081829e-06	6.217647e-06	4.390808e-06	4.510303e-07
1.000000	4.854198e-09	4.140182e-08	3.671732e-07	3.111515e-06	4.797631e-06	3.334021e-06	2.956251e-07
1.122019	3.610376e-09	3.332739e-08	2.830020e-07	2.349984e-06	3.656989e-06	2.501198e-06	1.891733e-07
1.258925	2.657993e-09	2.675833e-08	2.164802e-07	1.756355e-06	2.750711e-06	1.849068e-06	1.179944e-07
1.412538	1.935821e-09	2.138564e-08	1.644116e-07	1.297897e-06	2.038617e-06	1.342589e-06	7.126396e-08
1.584893	1.395385e-09	1.698288e-08	1.240278e-07	9.478614e-07	1.486318e-06	9.542652e-07	4.116235e-08
1.778279	9.952646e-10	1.338316e-08	9.295954e-08	6.839558e-07	1.064685e-06	6.614087e-07	2.239401e-08
1.995262	7.017061e-10	1.045505e-08	6.922579e-08	4.874836e-07	7.485408e-07	4.452795e-07	1.135408e-08
2.238721	4.881570e-10	8.088420e-09	5.121050e-08	3.429711e-07	5.156997e-07	2.901743e-07	5.297870e-09
2.511886	3.342954e-10	6.190217e-09	3.761692e-08	2.379291e-07	3.475174e-07	1.822590e-07	2.222601e-09
2.818383	2.244690e-10	4.684100e-09	2.741906e-08	1.625222e-07	2.281104e-07	1.096182e-07	8.052952e-10
3.162278	1.585571e-10	3.637085e-09	2.080619e-08	1.171991e-07	1.578637e-07	7.162819e-08	4.299880e-10
3.548134	9.264529e-11	2.590071e-09	1.419332e-08	7.187597e-08	8.761689e-08	3.363821e-08	5.468083e-11

Point Beach (44.28° N, 87.54° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.030487	0.034210	0.066677
0.561009	0.032489	0.036506	0.071175
0.629463	0.034873	0.039215	0.076472
0.706269	0.037760	0.042559	0.083041
0.792447	0.041256	0.046656	0.091112
0.889140	0.045399	0.051509	0.100670
0.997631	0.049868	0.056649	0.110750
1.000000	0.049965	0.056758	0.110963
1.122019	0.052915	0.061329	0.120502
1.258925	0.055112	0.065196	0.128758
1.412538	0.056289	0.068150	0.135376
1.584893	0.056976	0.070808	0.141577
1.778279	0.057489	0.073565	0.148167
1.995262	0.058463	0.077163	0.156622
2.238721	0.061007	0.083317	0.170561
2.500000	0.065726	0.092919	0.191869
2.805046	0.075340	0.112529	0.235579

3.147313	0.091507	0.141049	0.297618
3.531344	0.115601	0.176539	0.371640
3.962233	0.141864	0.211744	0.443207
4.445698	0.165513	0.248030	0.519676
4.988156	0.189781	0.284233	0.595445
5.000000	0.190281	0.284999	0.597059
5.610092	0.201785	0.305699	0.642254
6.294627	0.208622	0.321678	0.678809
7.062688	0.208843	0.327926	0.695147
7.924466	0.205458	0.326186	0.693364
8.891397	0.201527	0.326447	0.697418
9.976312	0.202806	0.332075	0.711355
10.000000	0.202891	0.332255	0.711761
11.220185	0.197142	0.323655	0.693775
12.589254	0.197354	0.326294	0.700664
14.125375	0.194070	0.319617	0.685659
15.848932	0.188651	0.312078	0.670231
17.782794	0.183321	0.305648	0.657711
19.952623	0.181190	0.298359	0.640031
22.387211	0.174816	0.286360	0.613488
25.000000	0.173711	0.279549	0.596247
28.050461	0.170106	0.268634	0.570272
31.473135	0.167534	0.262862	0.557116
35.313439	0.163492	0.255260	0.540337
39.622330	0.156566	0.239527	0.504462
44.456985	0.151064	0.225851	0.472931
49.881558	0.146031	0.215026	0.448552
55.968028	0.140508	0.203902	0.423800
62.797161	0.134110	0.192375	0.398687
70.459573	0.127289	0.182101	0.377141
79.056942	0.119505	0.171990	0.356734
88.703347	0.111085	0.162429	0.338240
99.526793	0.102770	0.153754	0.322016
100.000000	0.094095	0.142847	0.300267