

# Oyster Creek (39.81° N, 74.21° 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	3.308225e-03	5.604401e-03	7.828600e-03	8.033902e-03	7.774242e-03	7.699699e-03	7.248237e-03
0.001122	3.304795e-03	5.603190e-03	7.820602e-03	8.005801e-03	7.669728e-03	7.594719e-03	7.222885e-03
0.001259	3.292721e-03	5.594533e-03	7.797569e-03	7.960307e-03	7.542347e-03	7.461470e-03	7.157119e-03
0.001413	3.260421e-03	5.556373e-03	7.740765e-03	7.894424e-03	7.393974e-03	7.311124e-03	7.031775e-03
0.001585	3.193453e-03	5.450556e-03	7.632824e-03	7.805605e-03	7.230538e-03	7.148312e-03	6.850951e-03
0.001778	3.082124e-03	5.256111e-03	7.476465e-03	7.692300e-03	7.053781e-03	6.973955e-03	6.638601e-03
0.001995	2.927196e-03	4.995666e-03	7.286729e-03	7.554674e-03	6.863958e-03	6.788556e-03	6.409538e-03
0.002239	2.739271e-03	4.706739e-03	7.072324e-03	7.394253e-03	6.661606e-03	6.592704e-03	6.167354e-03
0.002512	2.533750e-03	4.409996e-03	6.835229e-03	7.212904e-03	6.447492e-03	6.387075e-03	5.913782e-03
0.002818	2.324309e-03	4.111920e-03	6.576109e-03	7.012176e-03	6.222495e-03	6.172485e-03	5.650738e-03
0.003162	2.119045e-03	3.814991e-03	6.295950e-03	6.793283e-03	5.987633e-03	5.949881e-03	5.380176e-03
0.003548	1.921332e-03	3.521087e-03	5.996214e-03	6.557376e-03	5.744096e-03	5.720268e-03	5.104120e-03
0.003981	1.732413e-03	3.231975e-03	5.679076e-03	6.305792e-03	5.493154e-03	5.484676e-03	4.824687e-03
0.004467	1.552961e-03	2.949470e-03	5.347482e-03	6.040159e-03	5.236131e-03	5.244158e-03	4.543944e-03
0.005012	1.383542e-03	2.675437e-03	5.004974e-03	5.762405e-03	4.974392e-03	4.999789e-03	4.263804e-03
0.005623	1.224676e-03	2.411677e-03	4.655466e-03	5.474703e-03	4.709322e-03	4.752653e-03	3.986007e-03
0.006310	1.076813e-03	2.159847e-03	4.303107e-03	5.179385e-03	4.442316e-03	4.503825e-03	3.712144e-03
0.007079	9.402915e-04	1.921424e-03	3.952125e-03	4.878873e-03	4.174786e-03	4.254367e-03	3.443665e-03
0.007943	8.153190e-04	1.697675e-03	3.606666e-03	4.575602e-03	3.908139e-03	4.005320e-03	3.181887e-03
0.008913	7.019494e-04	1.489617e-03	3.270600e-03	4.271971e-03	3.643741e-03	3.757548e-03	2.927893e-03
0.010000	6.000594e-04	1.297972e-03	2.947367e-03	3.970294e-03	3.382816e-03	3.510650e-03	2.681854e-03
0.011220	5.093170e-04	1.123137e-03	2.639853e-03	3.672760e-03	3.125874e-03	3.259971e-03	2.441249e-03
0.012589	4.291890e-04	9.651808e-04	2.350343e-03	3.381407e-03	2.871874e-03	2.995653e-03	2.200491e-03
0.014125	3.590179e-04	8.238621e-04	2.080485e-03	3.098096e-03	2.619714e-03	2.708971e-03	1.954906e-03
0.015849	2.981127e-04	6.986471e-04	1.831293e-03	2.824494e-03	2.370903e-03	2.400852e-03	1.707294e-03
0.017783	2.457791e-04	5.887391e-04	1.603192e-03	2.562025e-03	2.127342e-03	2.085968e-03	1.469640e-03
0.019953	2.012959e-04	4.931146e-04	1.396080e-03	2.311804e-03	1.891035e-03	1.784064e-03	1.252568e-03
0.022387	1.638903e-04	4.105968e-04	1.209415e-03	2.074603e-03	1.666846e-03	1.507037e-03	1.059343e-03
0.025119	1.327516e-04	3.399690e-04	1.042322e-03	1.850995e-03	1.458083e-03	1.258781e-03	8.896186e-04
0.028184	1.070693e-04	2.800401e-04	8.937259e-04	1.641602e-03	1.265773e-03	1.040090e-03	7.420894e-04
0.031623	8.606085e-05	2.296170e-04	7.624715e-04	1.447128e-03	1.091078e-03	8.506445e-04	6.151009e-04
0.035481	6.899204e-05	1.875013e-04	6.473740e-04	1.268129e-03	9.345594e-04	6.894916e-04	5.068312e-04
0.039811	5.519809e-05	1.525422e-04	5.471163e-04	1.104818e-03	7.959091e-04	5.550207e-04	4.153315e-04
0.044668	4.409801e-05	1.236883e-04	4.602592e-04	9.570557e-04	6.743823e-04	4.447060e-04	3.385424e-04
0.050119	3.519647e-05	1.000083e-04	3.853919e-04	8.244341e-04	5.688213e-04	3.554037e-04	2.744022e-04
0.056234	2.807676e-05	8.067929e-05	3.211979e-04	7.063270e-04	4.776601e-04	2.838401e-04	2.210118e-04
0.063096	2.239205e-05	6.496164e-05	2.664545e-04	6.019336e-04	3.993330e-04	2.268016e-04	1.767948e-04
0.070795	1.785775e-05	5.220450e-05	2.200317e-04	5.103214e-04	3.326021e-04	1.813881e-04	1.405033e-04
0.079433	1.424343e-05	4.187039e-05	1.808972e-04	4.304670e-04	2.762285e-04	1.451210e-04	1.110357e-04
0.089125	1.136347e-05	3.352605e-05	1.481185e-04	3.613002e-04	2.286676e-04	1.159959e-04	8.732066e-05
0.100000	9.068577e-06	2.680765e-05	1.208461e-04	3.017579e-04	1.885142e-04	9.252355e-05	6.835259e-05
0.112202	7.239327e-06	2.140369e-05	9.828418e-05	2.508198e-04	1.547427e-04	7.360161e-05	5.324406e-05
0.125893	5.781064e-06	1.705993e-05	7.969138e-05	2.075053e-04	1.264988e-04	5.837459e-05	4.124696e-05
0.141254	4.618786e-06	1.357602e-05	6.441914e-05	1.708681e-04	1.029767e-04	4.614365e-05	3.176034e-05
0.158489	3.692299e-06	1.079048e-05	5.192989e-05	1.400268e-04	8.345223e-05	3.633248e-05	2.430606e-05

0.177828	2.953140e-06	8.568482e-06	4.177127e-05	1.141965e-04	6.731228e-05	2.847330e-05	1.848652e-05
0.199526	2.362844e-06	6.798054e-06	3.354077e-05	9.268181e-05	5.401842e-05	2.219377e-05	1.397139e-05
0.223872	1.891236e-06	5.389142e-06	2.688252e-05	7.485436e-05	4.309820e-05	1.719884e-05	1.048895e-05
0.251189	1.514527e-06	4.269572e-06	2.150126e-05	6.015094e-05	3.417670e-05	1.324208e-05	7.817217e-06
0.281838	1.213690e-06	3.381192e-06	1.716162e-05	4.808406e-05	2.694836e-05	1.011884e-05	5.779994e-06
0.316228	9.733597e-07	2.677768e-06	1.367294e-05	3.823719e-05	2.112511e-05	7.664223e-06	4.236662e-06
0.354813	7.811696e-07	2.122124e-06	1.087364e-05	3.025025e-05	1.644461e-05	5.744686e-06	3.076048e-06
0.398107	6.272393e-07	1.683390e-06	8.626952e-06	2.380863e-05	1.269543e-05	4.252576e-06	2.209916e-06
0.446684	5.036902e-07	1.336614e-06	6.822513e-06	1.863773e-05	9.708118e-06	3.099593e-06	1.567956e-06
0.501187	4.042665e-07	1.062731e-06	5.373315e-06	1.450323e-05	7.343344e-06	2.213814e-06	1.096606e-06
0.562341	3.240612e-07	8.468306e-07	4.210953e-06	1.121163e-05	5.488528e-06	1.538461e-06	7.548055e-07
0.630957	2.592509e-07	6.766612e-07	3.282090e-06	8.605801e-06	4.047781e-06	1.031206e-06	5.102445e-07
0.707946	2.068419e-07	5.423033e-07	2.544263e-06	6.556781e-06	2.939480e-06	6.613287e-07	3.375580e-07
0.794328	1.644755e-07	4.358949e-07	1.961851e-06	4.957174e-06	2.095785e-06	4.008503e-07	2.175304e-07
0.891251	1.302857e-07	3.511917e-07	1.504377e-06	3.717344e-06	1.463233e-06	2.227109e-07	1.352648e-07
1.000000	1.027749e-07	2.832641e-07	1.146469e-06	2.762496e-06	1.000103e-06	1.133136e-07	8.007076e-08
1.122019	8.070788e-08	2.282766e-07	8.674927e-07	2.030774e-06	6.672816e-07	4.837263e-08	4.422131e-08
1.258925	6.304698e-08	1.833294e-07	6.508859e-07	1.472476e-06	4.304479e-07	1.305002e-08	2.187337e-08
1.412538	4.892525e-08	1.463050e-07	4.836802e-07	1.049003e-06	2.684757e-07	1.579203e-09	9.139137e-09
1.584893	3.763824e-08	1.156764e-07	3.557923e-07	7.311050e-07	1.617876e-07	5.671638e-11	2.770827e-09
1.778279	2.863675e-08	9.036262e-08	2.590494e-07	4.964090e-07	9.212285e-08	4.599500e-13	3.806940e-10
1.995262	2.150925e-08	6.961013e-08	1.865874e-07	3.271865e-07	4.750851e-08	7.545573e-16	1.335518e-11
2.238721	1.594206e-08	5.284391e-08	1.327739e-07	2.087517e-07	2.133514e-08	2.655455e-19	8.330145e-14
2.511886	1.166858e-08	3.954217e-08	9.319928e-08	1.286275e-07	8.032685e-09	1.934565e-20	7.887767e-17
2.818383	8.441548e-09	2.918157e-08	6.445876e-08	7.638168e-08	2.433865e-09	1.289710e-20	1.110686e-20
3.162278	6.351898e-09	2.220435e-08	4.688759e-08	5.008891e-08	1.266413e-09	6.448551e-21	5.553428e-21
3.548134	4.262248e-09	1.522713e-08	2.931642e-08	2.379614e-08	9.896048e-11	0.000000e+00	0.000000e+00

## Oyster Creek (39.81° N, 74.21° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.029217	0.045076	0.095133
0.561009	0.033130	0.051641	0.109269
0.629463	0.035864	0.056190	0.119047
0.706269	0.038668	0.060700	0.128665
0.792447	0.042532	0.066643	0.141197
0.889140	0.045674	0.071326	0.150991
0.997631	0.050014	0.077711	0.164302
1.000000	0.050121	0.077867	0.164626
1.122019	0.057229	0.090890	0.193221
1.258925	0.064239	0.102867	0.219133
1.412538	0.071959	0.115264	0.245560
1.584893	0.079104	0.126230	0.268667
1.778279	0.087585	0.139040	0.295548
1.995262	0.095255	0.150519	0.319578
2.238721	0.103671	0.163174	0.346106
2.500000	0.111125	0.174497	0.369908
2.805046	0.124789	0.198884	0.423171

3.147313	0.139562	0.221622	0.471124
3.531344	0.154784	0.241981	0.512397
3.962233	0.170712	0.262118	0.552542
4.445698	0.182473	0.275328	0.577862
4.988156	0.191336	0.283012	0.591042
5.000000	0.191488	0.283148	0.591279
5.610092	0.190475	0.283612	0.593277
6.294627	0.188757	0.279619	0.584175
7.062688	0.179291	0.266353	0.556856
7.924466	0.168416	0.249816	0.522083
8.891397	0.155478	0.229412	0.478810
9.976312	0.143762	0.211756	0.441767
10.000000	0.143541	0.211412	0.441041
11.220185	0.127732	0.188470	0.393359
12.589254	0.115947	0.170773	0.356263
14.125375	0.108459	0.159152	0.331709
15.848932	0.102801	0.150749	0.314146
17.782794	0.099772	0.145120	0.301799
19.952623	0.097420	0.140069	0.290452
22.387211	0.096120	0.136904	0.283221
25.000000	0.094761	0.133075	0.274330
28.050461	0.094258	0.130711	0.268609
31.473135	0.094434	0.129191	0.264586
35.313439	0.095005	0.128407	0.262186
39.622330	0.095603	0.127712	0.260006
44.456985	0.096561	0.127709	0.259350
49.881558	0.097250	0.127557	0.258505
55.968028	0.097395	0.126962	0.256903
62.797161	0.096817	0.125732	0.254172
70.459573	0.095725	0.124319	0.251320
79.056942	0.094041	0.122609	0.248104
88.703347	0.091884	0.121176	0.245908
99.526793	0.089639	0.120361	0.245354
100.000000	0.083519	0.111945	0.228097