

Perry (41.80° N, 81.14° 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	4.520129e-03	7.339667e-03	1.066766e-02	1.127978e-02	1.138009e-02	1.122185e-02	1.045518e-02
0.001122	4.499657e-03	7.338702e-03	1.063190e-02	1.127602e-02	1.137467e-02	1.121712e-02	1.045504e-02
0.001259	4.389743e-03	7.328940e-03	1.051707e-02	1.124457e-02	1.134147e-02	1.116678e-02	1.042655e-02
0.001413	4.211652e-03	7.287311e-03	1.035803e-02	1.116475e-02	1.126379e-02	1.104215e-02	1.025984e-02
0.001585	4.005369e-03	7.191534e-03	1.015052e-02	1.104526e-02	1.115407e-02	1.089161e-02	9.976560e-03
0.001778	3.792053e-03	7.014451e-03	9.900150e-03	1.089460e-02	1.101960e-02	1.071488e-02	9.663262e-03
0.001995	3.583966e-03	6.726187e-03	9.614282e-03	1.071461e-02	1.085766e-02	1.050718e-02	9.316240e-03
0.002239	3.383010e-03	6.384360e-03	9.299683e-03	1.050365e-02	1.066504e-02	1.026658e-02	8.935571e-03
0.002512	3.187889e-03	6.041941e-03	8.959456e-03	1.025977e-02	1.043975e-02	9.993131e-03	8.524713e-03
0.002818	2.997281e-03	5.705325e-03	8.595167e-03	9.981101e-03	1.017992e-02	9.686072e-03	8.088102e-03
0.003162	2.809616e-03	5.375652e-03	8.208250e-03	9.666299e-03	9.884442e-03	9.346277e-03	7.629709e-03
0.003548	2.623869e-03	5.053650e-03	7.800751e-03	9.315045e-03	9.553472e-03	8.976006e-03	7.155050e-03
0.003981	2.438993e-03	4.739518e-03	7.374606e-03	8.928488e-03	9.188738e-03	8.579165e-03	6.670539e-03
0.004467	2.254562e-03	4.433009e-03	6.932441e-03	8.508863e-03	8.792958e-03	8.160162e-03	6.183150e-03
0.005012	2.070408e-03	4.133590e-03	6.477025e-03	8.059767e-03	8.369949e-03	7.723940e-03	5.699139e-03
0.005623	1.886961e-03	3.840679e-03	6.011826e-03	7.585901e-03	7.924437e-03	7.276194e-03	5.224760e-03
0.006310	1.705161e-03	3.553524e-03	5.540862e-03	7.093159e-03	7.461909e-03	6.822200e-03	4.765358e-03
0.007079	1.526348e-03	3.271608e-03	5.068633e-03	6.588312e-03	6.988430e-03	6.367853e-03	4.325696e-03
0.007943	1.352457e-03	2.994594e-03	4.600426e-03	6.078631e-03	6.510159e-03	5.917863e-03	3.909503e-03
0.008913	1.185642e-03	2.722703e-03	4.141329e-03	5.571476e-03	6.033164e-03	5.477147e-03	3.519512e-03
0.010000	1.027970e-03	2.456620e-03	3.697318e-03	5.073785e-03	5.562998e-03	5.049163e-03	3.157454e-03
0.011220	8.807396e-04	2.197642e-03	3.273182e-03	4.591974e-03	5.104786e-03	4.637534e-03	2.824108e-03
0.012589	7.454311e-04	1.947534e-03	2.874131e-03	4.131379e-03	4.662771e-03	4.244405e-03	2.519428e-03
0.014125	6.229571e-04	1.708370e-03	2.503454e-03	3.696311e-03	4.240448e-03	3.871868e-03	2.236207e-03
0.015849	5.141212e-04	1.482494e-03	2.164444e-03	3.289808e-03	3.840403e-03	3.520718e-03	1.965675e-03
0.017783	4.188910e-04	1.272055e-03	1.858106e-03	2.913866e-03	3.464497e-03	3.189002e-03	1.719507e-03
0.019953	3.369868e-04	1.078946e-03	1.585253e-03	2.569293e-03	3.113731e-03	2.868478e-03	1.502034e-03
0.022387	2.677053e-04	9.043543e-04	1.344881e-03	2.256178e-03	2.788615e-03	2.568362e-03	1.310815e-03
0.025119	2.101906e-04	7.489407e-04	1.135616e-03	1.973838e-03	2.488689e-03	2.293099e-03	1.143111e-03
0.028184	1.631896e-04	6.127779e-04	9.551038e-04	1.720906e-03	2.212895e-03	2.041854e-03	9.962723e-04
0.031623	1.253922e-04	4.958626e-04	8.008128e-04	1.495508e-03	1.961045e-03	1.813439e-03	8.677850e-04
0.035481	9.543510e-05	3.972240e-04	6.697845e-04	1.295928e-03	1.732913e-03	1.606685e-03	7.553865e-04
0.039811	7.204691e-05	3.153495e-04	5.591965e-04	1.120253e-03	1.527421e-03	1.420294e-03	6.570422e-04
0.044668	5.402241e-05	2.483415e-04	4.662644e-04	9.664014e-04	1.343155e-03	1.252889e-03	5.709623e-04
0.050119	4.030013e-05	1.942691e-04	3.884503e-04	8.321870e-04	1.178586e-03	1.103061e-03	4.955704e-04
0.056234	2.996128e-05	1.511783e-04	3.234334e-04	7.154899e-04	1.032165e-03	9.693959e-04	4.294987e-04
0.063096	2.224299e-05	1.172446e-04	2.691704e-04	6.142912e-04	9.023244e-04	8.504978e-04	3.713825e-04
0.070795	1.652339e-05	9.075923e-05	2.239078e-04	5.267217e-04	7.875313e-04	7.450071e-04	3.192787e-04
0.079433	1.230544e-05	7.022011e-05	1.861457e-04	4.510651e-04	6.862966e-04	6.516169e-04	2.728910e-04
0.089125	9.204820e-06	5.436954e-05	1.546186e-04	3.857758e-04	5.972075e-04	5.691134e-04	2.324110e-04
0.100000	6.925066e-06	4.217968e-05	1.282792e-04	3.294831e-04	5.189386e-04	4.964739e-04	1.971883e-04
0.112202	5.245913e-06	3.281608e-05	1.062656e-04	2.809908e-04	4.502807e-04	4.329291e-04	1.665966e-04
0.125893	4.002609e-06	2.561041e-05	8.786458e-05	2.392371e-04	3.901695e-04	3.776489e-04	1.401539e-04
0.141254	3.076238e-06	2.005196e-05	7.248498e-05	2.032758e-04	3.376457e-04	3.293670e-04	1.174360e-04
0.158489	2.379785e-06	1.574768e-05	5.964014e-05	1.723057e-04	2.917469e-04	2.867863e-04	9.787297e-05

0.177828	1.851499e-06	1.240109e-05	4.892264e-05	1.456512e-04	2.515733e-04	2.490973e-04	8.105476e-05
0.199526	1.446886e-06	9.785505e-06	3.999742e-05	1.227374e-04	2.164036e-04	2.157980e-04	6.667003e-05
0.223872	1.134242e-06	7.731949e-06	3.258034e-05	1.030720e-04	1.856493e-04	1.864521e-04	5.443672e-05
0.251189	8.907402e-07	6.112671e-06	2.643419e-05	8.622907e-05	1.587987e-04	1.606458e-04	4.413569e-05
0.281838	6.998655e-07	4.831611e-06	2.135532e-05	7.183653e-05	1.353936e-04	1.379679e-04	3.554428e-05
0.316228	5.495443e-07	3.815473e-06	1.717504e-05	5.957041e-05	1.150196e-04	1.180394e-04	2.839773e-05
0.354813	4.307794e-07	3.008318e-06	1.374695e-05	4.915221e-05	9.731385e-05	1.005551e-04	2.248848e-05
0.398107	3.368346e-07	2.366709e-06	1.094877e-05	4.034040e-05	8.196390e-05	8.526334e-05	1.765929e-05
0.446684	2.625100e-07	1.856668e-06	8.674312e-06	3.292182e-05	6.869838e-05	7.193985e-05	1.374520e-05
0.501187	2.037844e-07	1.451700e-06	6.835425e-06	2.670707e-05	5.727890e-05	6.037731e-05	1.059778e-05
0.562341	1.574545e-07	1.130752e-06	5.355583e-06	2.152927e-05	4.749154e-05	5.038054e-05	8.093129e-06
0.630957	1.210101e-07	8.770049e-07	4.171561e-06	1.724065e-05	3.914064e-05	4.177266e-05	6.119541e-06
0.707946	9.244369e-08	6.769596e-07	3.229044e-06	1.371104e-05	3.205053e-05	3.439877e-05	4.578488e-06
0.794328	7.016250e-08	5.198390e-07	2.483416e-06	1.082535e-05	2.606523e-05	2.811857e-05	3.383926e-06
0.891251	5.286725e-08	3.969110e-07	1.896757e-06	8.482751e-06	2.104348e-05	2.280260e-05	2.468852e-06
1.000000	3.952229e-08	3.012043e-07	1.438317e-06	6.594518e-06	1.685731e-05	1.833223e-05	1.777503e-06
1.122019	2.929162e-08	2.270568e-07	1.082228e-06	5.083808e-06	1.339237e-05	1.459853e-05	1.260524e-06
1.258925	2.151049e-08	1.699628e-07	8.076844e-07	3.884521e-06	1.054578e-05	1.150234e-05	8.782233e-07
1.412538	1.564122e-08	1.262982e-07	5.974043e-07	2.940337e-06	8.224596e-06	8.953929e-06	5.991541e-07
1.584893	1.125426e-08	9.311947e-08	4.376681e-07	2.203216e-06	6.346056e-06	6.873859e-06	3.981115e-07
1.778279	8.003068e-09	6.803965e-08	3.172146e-07	1.632742e-06	4.838527e-06	5.192069e-06	2.551467e-07
1.995262	5.616389e-09	4.922628e-08	2.272372e-07	1.195081e-06	3.639312e-06	3.845245e-06	1.549157e-07
2.238721	3.881296e-09	3.522402e-08	1.605863e-07	8.624633e-07	2.693892e-06	2.776824e-06	8.547630e-08
2.511886	2.633286e-09	2.489728e-08	1.117419e-07	6.121320e-07	1.955561e-06	1.937745e-06	3.740520e-08
2.818383	1.744809e-09	1.734629e-08	7.629760e-08	4.255855e-07	1.384473e-06	1.285448e-06	1.032032e-08
3.162278	1.214248e-09	1.264905e-08	5.450106e-08	3.065977e-07	9.997343e-07	8.506413e-07	5.199792e-09
3.548134	6.836873e-10	7.951803e-09	3.270452e-08	1.876099e-07	6.149959e-07	4.158343e-07	7.926818e-11

Perry (41.80° N, 81.14° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.034789	0.043154	0.086244
0.561009	0.039056	0.049881	0.100416
0.629463	0.044338	0.058122	0.117772
0.706269	0.050586	0.067778	0.138091
0.792447	0.057241	0.078135	0.159934
0.889140	0.063094	0.087607	0.180088
0.997631	0.067685	0.095498	0.197098
1.000000	0.067775	0.095654	0.197435
1.122019	0.072138	0.109636	0.230520
1.258925	0.075366	0.120540	0.256704
1.412538	0.077295	0.127597	0.273888
1.584893	0.079108	0.132809	0.286279
1.778279	0.082416	0.139158	0.300395
1.995262	0.089034	0.150120	0.323943
2.238721	0.101361	0.169945	0.366208
2.500000	0.116407	0.193605	0.416354
2.805046	0.134703	0.229193	0.495698

3.147313	0.154007	0.264802	0.574219
3.531344	0.171209	0.294793	0.639478
3.962233	0.187183	0.320597	0.694534
4.445698	0.205237	0.348203	0.752554
4.988156	0.228286	0.382698	0.824633
5.000000	0.228819	0.383493	0.826295
5.610092	0.246441	0.419211	0.906618
6.294627	0.261555	0.449449	0.974476
7.062688	0.281907	0.487001	1.057296
7.924466	0.302640	0.523503	1.136916
8.891397	0.326001	0.562010	1.219511
9.976312	0.347838	0.595235	1.289221
10.000000	0.348221	0.595762	1.290292
11.220185	0.353597	0.607799	1.317904
12.589254	0.355088	0.612863	1.330245
14.125375	0.359393	0.622622	1.352694
15.848932	0.360559	0.625554	1.359558
17.782794	0.361383	0.628150	1.365836
19.952623	0.358654	0.623228	1.355037
22.387211	0.356187	0.617789	1.342585
25.000000	0.345174	0.596221	1.294377
28.050461	0.329673	0.566442	1.228102
31.473135	0.315197	0.538520	1.165917
35.313439	0.303143	0.515460	1.114661
39.622330	0.290530	0.490763	1.059505
44.456985	0.277504	0.465706	1.003770
49.881558	0.263511	0.438550	0.943267
55.968028	0.247734	0.408440	0.876445
62.797161	0.230152	0.375118	0.802634
70.459573	0.212736	0.341922	0.729054
79.056942	0.196413	0.311167	0.661088
88.703347	0.181805	0.284923	0.603696
99.526793	0.169732	0.264532	0.559716
100.000000	0.156351	0.242988	0.513767