

Hope Creek and Salem (39.46° N, 75.54° 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	3.876874e-03	6.771162e-03	9.960074e-03	1.045923e-02	1.049437e-02	1.029092e-02	9.474441e-03
0.001122	3.876813e-03	6.770651e-03	9.940437e-03	1.044255e-02	1.042734e-02	1.023425e-02	9.474409e-03
0.001259	3.876188e-03	6.766529e-03	9.888831e-03	1.040752e-02	1.031388e-02	1.010214e-02	9.471106e-03
0.001413	3.872244e-03	6.746821e-03	9.782561e-03	1.034164e-02	1.016688e-02	9.930756e-03	9.414387e-03
0.001585	3.856543e-03	6.688834e-03	9.609666e-03	1.023707e-02	9.996088e-03	9.737508e-03	9.205569e-03
0.001778	3.815240e-03	6.573061e-03	9.378088e-03	1.009469e-02	9.800993e-03	9.520602e-03	8.915145e-03
0.001995	3.737868e-03	6.392942e-03	9.104535e-03	9.918621e-03	9.580647e-03	9.279860e-03	8.600530e-03
0.002239	3.623300e-03	6.148509e-03	8.799796e-03	9.711607e-03	9.334879e-03	9.016318e-03	8.262016e-03
0.002512	3.465428e-03	5.847486e-03	8.467784e-03	9.475053e-03	9.063889e-03	8.730996e-03	7.902102e-03
0.002818	3.247950e-03	5.508373e-03	8.110394e-03	9.209740e-03	8.768464e-03	8.425301e-03	7.524849e-03
0.003162	2.999593e-03	5.151924e-03	7.729684e-03	8.916324e-03	8.450255e-03	8.101501e-03	7.134576e-03
0.003548	2.751735e-03	4.792325e-03	7.328257e-03	8.595837e-03	8.111593e-03	7.762456e-03	6.734895e-03
0.003981	2.511989e-03	4.436626e-03	6.909387e-03	8.250010e-03	7.755307e-03	7.411223e-03	6.330383e-03
0.004467	2.282223e-03	4.088105e-03	6.477017e-03	7.881345e-03	7.384537e-03	7.050901e-03	5.925342e-03
0.005012	2.063190e-03	3.748736e-03	6.035571e-03	7.493027e-03	7.002753e-03	6.684723e-03	5.524122e-03
0.005623	1.855334e-03	3.420117e-03	5.589773e-03	7.088797e-03	6.613553e-03	6.315761e-03	5.130049e-03
0.006310	1.658995e-03	3.103719e-03	5.144503e-03	6.672811e-03	6.220608e-03	5.947085e-03	4.746407e-03
0.007079	1.474562e-03	2.800926e-03	4.704653e-03	6.249490e-03	5.827423e-03	5.581399e-03	4.375523e-03
0.007943	1.302409e-03	2.513015e-03	4.274957e-03	5.823354e-03	5.437301e-03	5.221190e-03	4.019591e-03
0.008913	1.142855e-03	2.241124e-03	3.859801e-03	5.398843e-03	5.053234e-03	4.868519e-03	3.680002e-03
0.010000	9.960805e-04	1.986218e-03	3.463057e-03	4.980159e-03	4.677908e-03	4.525263e-03	3.357952e-03
0.011220	8.621681e-04	1.749068e-03	3.087957e-03	4.571145e-03	4.313610e-03	4.192879e-03	3.054006e-03
0.012589	7.409860e-04	1.530213e-03	2.737020e-03	4.175193e-03	3.962273e-03	3.872545e-03	2.768575e-03
0.014125	6.322454e-04	1.329941e-03	2.411996e-03	3.795178e-03	3.625449e-03	3.563307e-03	2.497332e-03
0.015849	5.354583e-04	1.148270e-03	2.113869e-03	3.433422e-03	3.304346e-03	3.246008e-03	2.213395e-03
0.017783	4.500209e-04	9.849422e-04	1.842879e-03	3.091689e-03	2.999665e-03	2.890129e-03	1.916492e-03
0.019953	3.752103e-04	8.394253e-04	1.598573e-03	2.771200e-03	2.709733e-03	2.523740e-03	1.643039e-03
0.022387	3.105158e-04	7.109115e-04	1.379854e-03	2.472665e-03	2.430100e-03	2.183213e-03	1.400834e-03
0.025119	2.552676e-04	5.983412e-04	1.185115e-03	2.196299e-03	2.160779e-03	1.875016e-03	1.188438e-03
0.028184	2.085821e-04	5.004776e-04	1.012546e-03	1.941759e-03	1.906433e-03	1.598922e-03	1.003547e-03
0.031623	1.695188e-04	4.160215e-04	8.605266e-04	1.708203e-03	1.672048e-03	1.354057e-03	8.436523e-04
0.035481	1.371449e-04	3.437306e-04	7.277205e-04	1.494835e-03	1.459236e-03	1.139054e-03	7.062289e-04
0.039811	1.105505e-04	2.824372e-04	6.127736e-04	1.301361e-03	1.267606e-03	9.521090e-04	5.887614e-04
0.044668	8.883615e-05	2.309767e-04	5.140624e-04	1.127563e-03	1.096194e-03	7.910891e-04	4.888016e-04
0.050119	7.117723e-05	1.881528e-04	4.297798e-04	9.727659e-04	9.438516e-04	6.538639e-04	4.038901e-04
0.056234	5.690571e-05	1.527774e-04	3.581389e-04	8.358636e-04	8.092943e-04	5.388774e-04	3.315745e-04
0.063096	4.544972e-05	1.237263e-04	2.974834e-04	7.155208e-04	6.911513e-04	4.441526e-04	2.700330e-04
0.070795	3.631688e-05	9.998084e-05	2.463144e-04	6.103070e-04	5.880146e-04	3.664882e-04	2.182999e-04
0.079433	2.904542e-05	8.064738e-05	2.032933e-04	5.187784e-04	4.985287e-04	3.028441e-04	1.754071e-04
0.089125	2.324318e-05	6.495516e-05	1.672392e-04	4.395249e-04	4.214280e-04	2.504930e-04	1.401731e-04
0.100000	1.861216e-05	5.224578e-05	1.371225e-04	3.711911e-04	3.554107e-04	2.070444e-04	1.114405e-04
0.112202	1.491974e-05	4.196635e-05	1.120500e-04	3.124830e-04	2.990660e-04	1.707105e-04	8.808607e-05
0.125893	1.197512e-05	3.366247e-05	9.124370e-05	2.621902e-04	2.509803e-04	1.402464e-04	6.914120e-05
0.141254	9.621773e-06	2.696415e-05	7.402578e-05	2.192298e-04	2.098847e-04	1.147154e-04	5.383709e-05
0.158489	7.737260e-06	2.156855e-05	5.981838e-05	1.826592e-04	1.747769e-04	9.334879e-05	4.156144e-05

0.177828	6.225277e-06	1.722621e-05	4.814116e-05	1.516378e-04	1.448873e-04	7.551938e-05	3.179835e-05
0.199526	5.010175e-06	1.373310e-05	3.858811e-05	1.253996e-04	1.195201e-04	6.070821e-05	2.409295e-05
0.223872	4.032487e-06	1.092486e-05	3.080378e-05	1.032663e-04	9.803284e-05	4.844521e-05	1.805507e-05
0.251189	3.244698e-06	8.669492e-06	2.447900e-05	8.466190e-05	7.990196e-05	3.832074e-05	1.336428e-05
0.281838	2.609157e-06	6.860141e-06	1.935432e-05	6.909151e-05	6.469368e-05	2.998372e-05	9.758176e-06
0.316228	2.096265e-06	5.410076e-06	1.521690e-05	5.611028e-05	5.200235e-05	2.315924e-05	7.017615e-06
0.354813	1.682558e-06	4.249379e-06	1.189122e-05	4.531939e-05	4.144958e-05	1.762767e-05	4.959866e-06
0.398107	1.348974e-06	3.321723e-06	9.230878e-06	3.637601e-05	3.271122e-05	1.318759e-05	3.437663e-06
0.446684	1.080026e-06	2.581880e-06	7.113781e-06	2.899029e-05	2.552046e-05	9.662975e-06	2.330138e-06
0.501187	8.631852e-07	1.993782e-06	5.438335e-06	2.291537e-05	1.965698e-05	6.906337e-06	1.538566e-06
0.562341	6.883922e-07	1.527984e-06	4.120572e-06	1.794140e-05	1.492328e-05	4.791729e-06	9.847407e-07
0.630957	5.476585e-07	1.160509e-06	3.091398e-06	1.389205e-05	1.113981e-05	3.210141e-06	6.067336e-07
0.707946	4.344241e-07	8.720927e-07	2.293834e-06	1.062032e-05	8.155632e-06	2.062553e-06	3.564406e-07
0.794328	3.432558e-07	6.477720e-07	1.680927e-06	8.003876e-06	5.840163e-06	1.259966e-06	1.970744e-07
0.891251	2.697553e-07	4.756962e-07	1.214338e-06	5.938183e-06	4.080215e-06	7.224717e-07	1.004162e-07
1.000000	2.105838e-07	3.454452e-07	8.630740e-07	4.330394e-06	2.773420e-06	3.819635e-07	4.558184e-08
1.122019	1.632755e-07	2.476010e-07	6.021141e-07	3.098265e-06	1.824196e-06	1.828975e-07	1.746867e-08
1.258925	1.257877e-07	1.739838e-07	4.111998e-07	2.169813e-06	1.151333e-06	7.677622e-08	5.206166e-09
1.412538	9.623053e-08	1.187966e-07	2.739401e-07	1.483074e-06	6.899768e-07	2.627127e-08	1.055225e-09
1.584893	7.300410e-08	7.885235e-08	1.771635e-07	9.858613e-07	3.881634e-07	6.652910e-09	1.225084e-10
1.778279	5.498978e-08	5.150633e-08	1.104536e-07	6.346986e-07	2.024886e-07	1.146513e-09	7.058579e-12
1.995262	4.117187e-08	3.363940e-08	6.575700e-08	3.937460e-07	9.624736e-08	1.268322e-10	1.846377e-13
2.238721	3.058797e-08	2.219118e-08	3.693743e-08	2.337958e-07	4.042526e-08	8.670836e-12	2.086576e-15
2.511886	2.251125e-08	1.477237e-08	1.930185e-08	1.315616e-07	1.433067e-08	3.572949e-13	9.910483e-18
2.818383	1.639915e-08	9.826627e-09	9.230841e-09	6.925962e-08	4.065572e-09	8.725267e-15	1.967088e-20
3.162278	1.240427e-08	6.970771e-09	5.367320e-09	4.216175e-08	2.101981e-09	4.363152e-15	9.835438e-21
3.548134	8.409403e-09	4.114916e-09	1.503801e-09	1.506388e-08	1.383901e-10	1.036686e-18	0.000000e+00

Hope Creek and Salem (39.46° N, 75.54° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.041969	0.065417	0.138417
0.561009	0.041898	0.066248	0.140678
0.629463	0.042030	0.067405	0.143645
0.706269	0.044998	0.072954	0.155892
0.792447	0.052957	0.085853	0.183452
0.889140	0.063287	0.100478	0.213586
0.997631	0.070642	0.110319	0.233537
1.000000	0.070787	0.110521	0.233952
1.122019	0.078872	0.126281	0.269000
1.258925	0.087249	0.141028	0.301128
1.412538	0.094499	0.151233	0.322117
1.584893	0.101025	0.158214	0.335165
1.778279	0.106564	0.165990	0.351164
1.995262	0.112516	0.173603	0.366399
2.238721	0.118194	0.180316	0.379494
2.500000	0.119590	0.182410	0.383883
2.805046	0.126712	0.198789	0.421306

3.147313	0.140901	0.224584	0.477866
3.531344	0.158163	0.253597	0.540400
3.962233	0.183295	0.289262	0.613956
4.445698	0.207589	0.321603	0.679453
4.988156	0.228081	0.345367	0.725503
5.000000	0.228543	0.345832	0.726356
5.610092	0.237572	0.356962	0.748410
6.294627	0.238575	0.357328	0.748582
7.062688	0.233340	0.346746	0.724983
7.924466	0.226359	0.335721	0.701592
8.891397	0.223300	0.325247	0.676636
9.976312	0.221355	0.317118	0.657000
10.000000	0.221303	0.316953	0.656611
11.220185	0.209698	0.299421	0.619819
12.589254	0.198173	0.285071	0.591209
14.125375	0.185973	0.267452	0.554634
15.848932	0.174621	0.249499	0.516562
17.782794	0.164710	0.234350	0.484689
19.952623	0.158308	0.223191	0.460555
22.387211	0.152512	0.213994	0.441050
25.000000	0.145215	0.202232	0.416026
28.050461	0.140298	0.193468	0.397019
31.473135	0.135852	0.185158	0.378855
35.313439	0.133131	0.179698	0.366791
39.622330	0.131202	0.175418	0.357205
44.456985	0.130125	0.172495	0.350503
49.881558	0.129217	0.169905	0.344540
55.968028	0.128033	0.167295	0.338713
62.797161	0.126205	0.164105	0.331853
70.459573	0.123763	0.160551	0.324473
79.056942	0.120528	0.156293	0.315838
88.703347	0.116620	0.151542	0.306397
99.526793	0.112832	0.147397	0.298410
100.000000	0.105446	0.137925	0.279324