

Wolf Creek (38.24° N, 95.69° 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	5.516192e-03	8.378842e-03	1.187879e-02	1.255359e-02	1.267787e-02	1.251489e-02	1.172551e-02
0.001122	5.410096e-03	8.358068e-03	1.187879e-02	1.255343e-02	1.267787e-02	1.251488e-02	1.172551e-02
0.001259	5.224030e-03	8.225707e-03	1.187844e-02	1.255123e-02	1.267787e-02	1.251484e-02	1.172551e-02
0.001413	4.988384e-03	8.008187e-03	1.187334e-02	1.253611e-02	1.267785e-02	1.251454e-02	1.172551e-02
0.001585	4.755277e-03	7.753771e-03	1.184659e-02	1.248723e-02	1.267772e-02	1.251297e-02	1.172480e-02
0.001778	4.529875e-03	7.480728e-03	1.178370e-02	1.240171e-02	1.267693e-02	1.250480e-02	1.170622e-02
0.001995	4.311690e-03	7.154856e-03	1.167297e-02	1.229039e-02	1.267359e-02	1.247446e-02	1.162052e-02
0.002239	4.099650e-03	6.805876e-03	1.148782e-02	1.215333e-02	1.266331e-02	1.240719e-02	1.144376e-02
0.002512	3.893087e-03	6.461784e-03	1.123930e-02	1.198624e-02	1.263845e-02	1.229740e-02	1.118509e-02
0.002818	3.690685e-03	6.125644e-03	1.095285e-02	1.178725e-02	1.258918e-02	1.215297e-02	1.087625e-02
0.003162	3.491847e-03	5.798273e-03	1.063916e-02	1.155668e-02	1.250939e-02	1.198079e-02	1.053760e-02
0.003548	3.295209e-03	5.480184e-03	1.030091e-02	1.129520e-02	1.240055e-02	1.178082e-02	1.017090e-02
0.003981	3.100274e-03	5.171549e-03	9.939995e-03	1.100336e-02	1.226528e-02	1.155232e-02	9.778416e-03
0.004467	2.905737e-03	4.872229e-03	9.558824e-03	1.068191e-02	1.210348e-02	1.129472e-02	9.363068e-03
0.005012	2.711319e-03	4.581665e-03	9.159961e-03	1.033204e-02	1.191398e-02	1.100777e-02	8.927984e-03
0.005623	2.516198e-03	4.299314e-03	8.746339e-03	9.955392e-03	1.169547e-02	1.069178e-02	8.476556e-03
0.006310	2.320644e-03	4.024090e-03	8.321196e-03	9.554109e-03	1.144683e-02	1.034792e-02	8.012474e-03
0.007079	2.124791e-03	3.755197e-03	7.887903e-03	9.130803e-03	1.116741e-02	9.978016e-03	7.539352e-03
0.007943	1.930554e-03	3.491322e-03	7.449656e-03	8.688484e-03	1.085733e-02	9.584408e-03	7.060503e-03
0.008913	1.741825e-03	3.231736e-03	7.009527e-03	8.230391e-03	1.051747e-02	9.169774e-03	6.578922e-03
0.010000	1.557218e-03	2.975485e-03	6.570214e-03	7.759810e-03	1.014933e-02	8.737097e-03	6.097355e-03
0.011220	1.377935e-03	2.722490e-03	6.134081e-03	7.279972e-03	9.755010e-03	8.289530e-03	5.618449e-03
0.012589	1.205302e-03	2.472759e-03	5.702995e-03	6.794026e-03	9.337088e-03	7.830330e-03	5.144839e-03
0.014125	1.041740e-03	2.227509e-03	5.278341e-03	6.305068e-03	8.898513e-03	7.362734e-03	4.679279e-03
0.015849	8.889984e-04	1.989379e-03	4.861071e-03	5.816084e-03	8.442506e-03	6.889946e-03	4.224854e-03
0.017783	7.487050e-04	1.759032e-03	4.451800e-03	5.330109e-03	7.972420e-03	6.415141e-03	3.785071e-03
0.019953	6.218541e-04	1.538780e-03	4.051166e-03	4.850364e-03	7.491650e-03	5.941483e-03	3.365940e-03
0.022387	5.095116e-04	1.329977e-03	3.659785e-03	4.380142e-03	7.003593e-03	5.472049e-03	2.970004e-03
0.025119	4.117222e-04	1.135748e-03	3.278773e-03	3.923113e-03	6.511657e-03	5.009738e-03	2.594830e-03
0.028184	3.280657e-04	9.573598e-04	2.909923e-03	3.483349e-03	6.019270e-03	4.557188e-03	2.242285e-03
0.031623	2.577351e-04	7.961626e-04	2.555798e-03	3.065010e-03	5.529906e-03	4.117704e-03	1.920012e-03
0.035481	1.996509e-04	6.526405e-04	2.219542e-03	2.672213e-03	5.047160e-03	3.691654e-03	1.631025e-03
0.039811	1.525668e-04	5.275456e-04	1.904339e-03	2.308935e-03	4.574797e-03	3.283684e-03	1.375736e-03
0.044668	1.149829e-04	4.200730e-04	1.613503e-03	1.977257e-03	4.116809e-03	2.900818e-03	1.153288e-03
0.050119	8.550259e-05	3.296708e-04	1.349275e-03	1.678001e-03	3.677117e-03	2.545370e-03	9.616625e-04
0.056234	6.273175e-05	2.548883e-04	1.113032e-03	1.411708e-03	3.258738e-03	2.218513e-03	7.983306e-04
0.063096	4.547888e-05	1.943311e-04	9.053550e-04	1.178025e-03	2.864228e-03	1.920971e-03	6.603214e-04
0.070795	3.254360e-05	1.460088e-04	7.262571e-04	9.755568e-04	2.496847e-03	1.652915e-03	5.445970e-04
0.079433	2.305010e-05	1.082728e-04	5.746928e-04	8.020785e-04	2.159345e-03	1.413831e-03	4.481085e-04
0.089125	1.615158e-05	7.923320e-05	4.489042e-04	6.550029e-04	1.853025e-03	1.202613e-03	3.680545e-04
0.100000	1.123201e-05	5.731240e-05	3.463852e-04	5.315668e-04	1.578206e-03	1.017664e-03	3.017938e-04
0.112202	7.757118e-06	4.100879e-05	2.643242e-04	4.289881e-04	1.334472e-03	8.570567e-04	2.461102e-04
0.125893	5.342144e-06	2.907750e-05	1.997309e-04	3.445277e-04	1.120728e-03	7.186520e-04	1.975681e-04
0.141254	3.670059e-06	2.044476e-05	1.496914e-04	2.755883e-04	9.352924e-04	6.002216e-04	1.564584e-04
0.158489	2.524428e-06	1.428387e-05	1.114751e-04	2.197431e-04	7.760360e-04	4.995164e-04	1.234161e-04

0.177828	1.737495e-06	9.943891e-06	8.265607e-05	1.747867e-04	6.405379e-04	4.142839e-04	9.733206e-05
0.199526	1.203682e-06	6.919065e-06	6.115212e-05	1.387808e-04	5.262190e-04	3.423211e-04	7.665442e-05
0.223872	8.404181e-07	4.822597e-06	4.523712e-05	1.100695e-04	4.304521e-04	2.816817e-04	6.014168e-05
0.251189	5.936687e-07	3.376818e-06	3.353046e-05	8.725716e-05	3.506675e-04	2.308026e-04	4.699778e-05
0.281838	4.256267e-07	2.386922e-06	2.494362e-05	6.917392e-05	2.844836e-04	1.883433e-04	3.660683e-05
0.316228	3.099587e-07	1.705511e-06	1.864794e-05	5.484972e-05	2.298127e-04	1.530573e-04	2.842527e-05
0.354813	2.294517e-07	1.235007e-06	1.401965e-05	4.349867e-05	1.848758e-04	1.238470e-04	2.197482e-05
0.398107	1.721158e-07	9.073341e-07	1.060230e-05	3.449644e-05	1.481633e-04	9.980772e-05	1.688566e-05
0.446684	1.309426e-07	6.784006e-07	8.068630e-06	2.734841e-05	1.183789e-04	8.015461e-05	1.289417e-05
0.501187	1.005598e-07	5.143914e-07	6.178747e-06	2.166551e-05	9.436014e-05	6.415515e-05	9.783184e-06
0.562341	7.776170e-08	3.946241e-07	4.756716e-06	1.714331e-05	7.504952e-05	5.116663e-05	7.368842e-06
0.630957	6.039962e-08	3.061823e-07	3.678000e-06	1.353857e-05	5.954931e-05	4.066500e-05	5.508200e-06
0.707946	4.712477e-08	2.402749e-07	2.853270e-06	1.065120e-05	4.714325e-05	3.221130e-05	4.089955e-06
0.794328	3.692633e-08	1.904810e-07	2.218320e-06	8.324394e-06	3.723636e-05	2.542903e-05	3.017998e-06
0.891251	2.903127e-08	1.522613e-07	1.726583e-06	6.451293e-06	2.932068e-05	2.000170e-05	2.212266e-06
1.000000	2.284736e-08	1.225222e-07	1.341833e-06	4.958645e-06	2.299565e-05	1.566550e-05	1.610008e-06
1.122019	1.796346e-08	9.894006e-08	1.039441e-06	3.783389e-06	1.796603e-05	1.220653e-05	1.163398e-06
1.258925	1.410699e-08	7.986694e-08	8.002596e-07	2.867954e-06	1.399855e-05	9.458531e-06	8.352774e-07
1.412538	1.103290e-08	6.417940e-08	6.112237e-07	2.161140e-06	1.088630e-05	7.292136e-06	5.955913e-07
1.584893	8.593421e-09	5.116752e-08	4.629726e-07	1.618825e-06	8.447026e-06	5.600291e-06	4.210165e-07
1.778279	6.682518e-09	4.037715e-08	3.476611e-07	1.205412e-06	6.533623e-06	4.286723e-06	2.950267e-07
1.995262	5.189953e-09	3.152335e-08	2.587383e-07	8.928797e-07	5.033797e-06	3.265599e-06	2.043617e-07
2.238721	4.012805e-09	2.436959e-08	1.908735e-07	6.588329e-07	3.862835e-06	2.469263e-06	1.394165e-07
2.511886	3.074160e-09	1.868024e-08	1.395849e-07	4.850442e-07	2.954635e-06	1.850278e-06	9.373038e-08
2.818383	2.320906e-09	1.420520e-08	1.011108e-07	3.567189e-07	2.253963e-06	1.374285e-06	6.230989e-08
3.162278	1.721310e-09	1.071363e-08	7.235378e-08	2.621656e-07	1.714238e-06	1.012585e-06	4.074532e-08
3.548134	1.253677e-09	8.010050e-09	5.089173e-08	1.924939e-07	1.298353e-06	7.399929e-07	2.607635e-08
3.981072	8.988965e-10	5.940362e-09	3.499130e-08	1.411540e-07	9.775867e-07	5.356061e-07	1.640568e-08
4.466836	6.362361e-10	4.375899e-09	2.346302e-08	1.033765e-07	7.300929e-07	3.831163e-07	1.012687e-08
5.011872	4.455402e-10	3.202215e-09	1.540900e-08	7.561501e-08	5.395293e-07	2.701208e-07	6.008751e-09
5.623413	3.286693e-10	2.426009e-09	1.093914e-08	5.790362e-08	4.120385e-07	1.985207e-07	3.853566e-09
6.309573	2.117984e-10	1.649803e-09	6.469279e-09	4.019224e-08	2.845478e-07	1.269206e-07	1.698380e-09

Wolf Creek (38.24° N, 95.69° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.047159	0.053140	0.103680
0.561009	0.051075	0.057480	0.112112
0.629463	0.055707	0.062541	0.121909
0.706269	0.061150	0.068412	0.133237
0.792447	0.067219	0.075057	0.146108
0.889140	0.074076	0.082674	0.160917
0.997631	0.081634	0.091036	0.177159
1.000000	0.081795	0.091217	0.177510
1.122019	0.089672	0.101669	0.198670
1.258925	0.097882	0.112633	0.220911
1.412538	0.106207	0.123926	0.243909
1.584893	0.115619	0.136804	0.270194

1.778279	0.127811	0.153305	0.303819
1.995262	0.142737	0.173168	0.344161
2.238721	0.156296	0.191376	0.381225
2.500000	0.165257	0.204338	0.408045
2.805046	0.170313	0.220839	0.446265
3.147313	0.173794	0.235122	0.480196
3.531344	0.177601	0.249433	0.514212
3.962233	0.185464	0.268941	0.558878
4.445698	0.202323	0.299980	0.626850
4.988156	0.234777	0.348755	0.729117
5.000000	0.235602	0.349918	0.731517
5.610092	0.276965	0.408051	0.851329
6.294627	0.321268	0.471313	0.982271
7.062688	0.371014	0.540003	1.123204
7.924466	0.421783	0.611056	1.269522
8.891397	0.452528	0.659754	1.372864
9.976312	0.485841	0.705245	1.465928
10.000000	0.486632	0.706286	1.468037
11.220185	0.476745	0.694606	1.445149
12.589254	0.455312	0.669761	1.396799
14.125375	0.445334	0.652757	1.360124
15.848932	0.421853	0.618149	1.287914
17.782794	0.407461	0.598950	1.248900
19.952623	0.402401	0.592203	1.235192
22.387211	0.397699	0.587938	1.227685
25.000000	0.391510	0.579859	1.211373
28.050461	0.383499	0.567429	1.185111
31.473135	0.368583	0.542706	1.132095
35.313439	0.342247	0.498892	1.038089
39.622330	0.314152	0.454127	0.942969
44.456985	0.292188	0.418415	0.866771
49.881558	0.275377	0.390232	0.806273
55.968028	0.259960	0.364153	0.750222
62.797161	0.244440	0.338591	0.695605
70.459573	0.229901	0.315017	0.645422
79.056942	0.215548	0.293565	0.600558
88.703347	0.202069	0.275798	0.564515
99.526793	0.189940	0.260980	0.535078
100.000000	0.175511	0.242012	0.496627