

# River Bend (30.76° N, 91.33° 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	4.389188e-03	6.159407e-03	8.487337e-03	9.010225e-03	9.075780e-03	8.899225e-03	8.077489e-03
0.001122	4.389188e-03	6.159407e-03	8.487124e-03	9.006711e-03	9.041616e-03	8.896222e-03	8.077489e-03
0.001259	4.389187e-03	6.159406e-03	8.485827e-03	8.995699e-03	8.983630e-03	8.877555e-03	8.077488e-03
0.001413	4.389181e-03	6.159383e-03	8.479815e-03	8.971204e-03	8.900781e-03	8.824308e-03	8.077231e-03
0.001585	4.389098e-03	6.159171e-03	8.459331e-03	8.925829e-03	8.790854e-03	8.722122e-03	8.069609e-03
0.001778	4.388446e-03	6.157826e-03	8.408700e-03	8.852588e-03	8.654495e-03	8.576751e-03	8.027539e-03
0.001995	4.385053e-03	6.151883e-03	8.315043e-03	8.749340e-03	8.493329e-03	8.406685e-03	7.904832e-03
0.002239	4.372635e-03	6.132384e-03	8.176039e-03	8.617437e-03	8.309658e-03	8.216976e-03	7.683443e-03
0.002512	4.338652e-03	6.081726e-03	7.997107e-03	8.458808e-03	8.104973e-03	8.007042e-03	7.420618e-03
0.002818	4.268741e-03	5.977001e-03	7.786299e-03	8.275545e-03	7.880074e-03	7.777518e-03	7.142315e-03
0.003162	4.159952e-03	5.809117e-03	7.551949e-03	8.069782e-03	7.635850e-03	7.529471e-03	6.849629e-03
0.003548	4.023331e-03	5.596236e-03	7.300462e-03	7.843322e-03	7.373586e-03	7.264186e-03	6.545275e-03
0.003981	3.872808e-03	5.365840e-03	7.035676e-03	7.597650e-03	7.094903e-03	6.983360e-03	6.232089e-03
0.004467	3.718325e-03	5.134097e-03	6.760078e-03	7.334255e-03	6.801662e-03	6.689070e-03	5.912543e-03
0.005012	3.564571e-03	4.906161e-03	6.475858e-03	7.054852e-03	6.495894e-03	6.383500e-03	5.588643e-03
0.005623	3.412573e-03	4.683176e-03	6.185210e-03	6.761389e-03	6.179663e-03	6.068771e-03	5.262317e-03
0.006310	3.261896e-03	4.465375e-03	5.890277e-03	6.455954e-03	5.855008e-03	5.746899e-03	4.935078e-03
0.007079	3.111740e-03	4.252672e-03	5.593049e-03	6.140664e-03	5.523877e-03	5.419808e-03	4.607959e-03
0.007943	2.961242e-03	4.044743e-03	5.295246e-03	5.817560e-03	5.188130e-03	5.089309e-03	4.281741e-03
0.008913	2.809557e-03	3.841047e-03	4.998222e-03	5.488525e-03	4.849576e-03	4.757149e-03	3.957062e-03
0.010000	2.655907e-03	3.640824e-03	4.702912e-03	5.155244e-03	4.510004e-03	4.425042e-03	3.634856e-03
0.011220	2.499662e-03	3.443132e-03	4.409802e-03	4.819218e-03	4.171287e-03	4.094752e-03	3.316340e-03
0.012589	2.340421e-03	3.246900e-03	4.118985e-03	4.481830e-03	3.835387e-03	3.768183e-03	3.003309e-03
0.014125	2.178113e-03	3.051024e-03	3.830268e-03	4.144459e-03	3.504422e-03	3.447361e-03	2.697994e-03
0.015849	2.013020e-03	2.854489e-03	3.543353e-03	3.808607e-03	3.180648e-03	3.132916e-03	2.401916e-03
0.017783	1.845693e-03	2.656496e-03	3.258060e-03	3.476008e-03	2.864681e-03	2.812389e-03	2.107480e-03
0.019953	1.676795e-03	2.456607e-03	2.974557e-03	3.148715e-03	2.551573e-03	2.465804e-03	1.801103e-03
0.022387	1.507245e-03	2.254889e-03	2.693557e-03	2.829013e-03	2.242352e-03	2.083813e-03	1.476743e-03
0.025119	1.338763e-03	2.052013e-03	2.416382e-03	2.518980e-03	1.939527e-03	1.693300e-03	1.167610e-03
0.028184	1.173975e-03	1.849214e-03	2.144843e-03	2.220121e-03	1.650280e-03	1.338254e-03	9.060172e-04
0.031623	1.015784e-03	1.647995e-03	1.880915e-03	1.934228e-03	1.383340e-03	1.040230e-03	6.943799e-04
0.035481	8.667892e-04	1.449754e-03	1.626587e-03	1.664063e-03	1.143776e-03	7.980824e-04	5.274596e-04
0.039811	7.290623e-04	1.256183e-03	1.384419e-03	1.412488e-03	9.342363e-04	6.057300e-04	3.984009e-04
0.044668	6.041796e-04	1.070358e-03	1.158053e-03	1.182597e-03	7.553444e-04	4.560541e-04	3.000935e-04
0.050119	4.931879e-04	8.964674e-04	9.515220e-04	9.773147e-04	6.057959e-04	3.417111e-04	2.259546e-04
0.056234	3.965352e-04	7.381140e-04	7.680724e-04	7.980174e-04	4.827832e-04	2.555663e-04	1.702673e-04
0.063096	3.140629e-04	5.974191e-04	6.095198e-04	6.444875e-04	3.827411e-04	1.914755e-04	1.283493e-04
0.070795	2.450294e-04	4.752148e-04	4.760454e-04	5.154160e-04	3.020729e-04	1.439295e-04	9.670260e-05
0.079433	1.882745e-04	3.713794e-04	3.663536e-04	4.086946e-04	2.375037e-04	1.087114e-04	7.276004e-05
0.089125	1.424508e-04	2.850578e-04	2.781253e-04	3.217155e-04	1.861920e-04	8.258656e-05	5.474466e-05
0.100000	1.061378e-04	2.148775e-04	2.085078e-04	2.516797e-04	1.456581e-04	6.305374e-05	4.124513e-05
0.112202	7.790199e-05	1.591231e-04	1.545088e-04	1.958099e-04	1.136846e-04	4.838936e-05	3.108796e-05
0.125893	5.635152e-05	1.158200e-04	1.132787e-04	1.515645e-04	8.845028e-05	3.723541e-05	2.335799e-05
0.141254	4.018646e-05	8.287177e-05	8.227425e-05	1.167875e-04	6.861906e-05	2.861280e-05	1.742261e-05
0.158489	2.826227e-05	5.829817e-05	5.931301e-05	8.965304e-05	5.311817e-05	2.190612e-05	1.286240e-05

0.177828	1.960650e-05	4.036618e-05	4.256248e-05	6.859608e-05	4.098507e-05	1.664801e-05	9.385276e-06
0.199526	1.342344e-05	2.757371e-05	3.050378e-05	5.233114e-05	3.146126e-05	1.249765e-05	6.756372e-06
0.223872	9.076752e-06	1.862452e-05	2.189968e-05	3.982193e-05	2.402207e-05	9.264521e-06	4.787548e-06
0.251189	6.071422e-06	1.246540e-05	1.577580e-05	3.021501e-05	1.824244e-05	6.779813e-06	3.325685e-06
0.281838	4.026357e-06	8.294436e-06	1.140165e-05	2.283035e-05	1.374048e-05	4.876680e-06	2.258463e-06
0.316228	2.653370e-06	5.512436e-06	8.255399e-06	1.716028e-05	1.022228e-05	3.425995e-06	1.496167e-06
0.354813	1.742371e-06	3.677364e-06	5.974193e-06	1.282187e-05	7.491472e-06	2.340004e-06	9.650889e-07
0.398107	1.144779e-06	2.472051e-06	4.306680e-06	9.512593e-06	5.406491e-06	1.549748e-06	6.044017e-07
0.446684	7.551160e-07	1.677731e-06	3.080009e-06	6.995018e-06	3.840346e-06	9.909338e-07	3.661043e-07
0.501187	5.020119e-07	1.150022e-06	2.177297e-06	5.082802e-06	2.675306e-06	6.069986e-07	2.134488e-07
0.562341	3.376957e-07	7.959928e-07	1.518152e-06	3.628642e-06	1.813878e-06	3.528319e-07	1.191914e-07
0.630957	2.304785e-07	5.550716e-07	1.042963e-06	2.527758e-06	1.182818e-06	1.930093e-07	6.338982e-08
0.707946	1.596709e-07	3.883133e-07	7.044059e-07	1.713033e-06	7.291123e-07	9.825881e-08	3.184965e-08
0.794328	1.120504e-07	2.710006e-07	4.652932e-07	1.130792e-06	4.142122e-07	4.560167e-08	1.490722e-08
0.891251	7.930080e-08	1.874813e-07	2.981871e-07	7.260212e-07	2.102527e-07	1.849061e-08	6.371467e-09
1.000000	5.645645e-08	1.278432e-07	1.837006e-07	4.489531e-07	9.256295e-08	6.048245e-09	2.426753e-09
1.122019	4.046004e-08	8.561616e-08	1.078726e-07	2.628598e-07	3.433727e-08	1.439177e-09	7.881734e-10
1.258925	2.921541e-08	5.636452e-08	6.001461e-08	1.423422e-07	1.036571e-08	2.285869e-10	2.008576e-10
1.412538	2.125722e-08	3.659026e-08	3.156660e-08	6.909298e-08	2.443849e-09	2.315818e-11	3.599898e-11
1.584893	1.557514e-08	2.335917e-08	1.574681e-08	2.899480e-08	4.331260e-10	1.470205e-12	4.120230e-12
1.778279	1.146749e-08	1.465153e-08	7.522466e-09	1.017083e-08	5.615221e-11	5.748069e-14	2.843374e-13
1.995262	8.450119e-09	9.124527e-09	3.503050e-09	2.904129e-09	5.231660e-12	1.346391e-15	1.165105e-14
2.238721	6.202893e-09	5.731495e-09	1.632390e-09	6.619398e-10	3.454027e-13	1.836814e-17	2.875673e-16
2.511886	4.520655e-09	3.676511e-09	7.826089e-10	1.186992e-10	1.595490e-14	1.430552e-19	4.357588e-18
2.818383	3.265639e-09	2.417079e-09	3.902073e-10	1.656275e-11	5.109168e-16	7.054339e-22	4.053995e-20
3.162278	2.336451e-09	1.615715e-09	1.978047e-10	1.783482e-12	1.130494e-17	6.760956e-23	2.286249e-22
3.548134	1.654632e-09	1.082367e-09	9.695622e-11	1.472115e-13	1.733417e-19	5.634130e-23	4.988782e-24
3.981072	1.159078e-09	7.179701e-10	4.339733e-11	9.256993e-15	1.860522e-21	4.507304e-23	3.991026e-24
4.466836	8.025073e-10	4.683576e-10	1.686949e-11	4.408215e-16	1.810027e-23	3.380478e-23	2.993269e-24
5.011872	5.486325e-10	2.991016e-10	5.474365e-12	1.581112e-17	1.206685e-23	2.253652e-23	1.995513e-24
5.623413	3.970316e-10	2.055431e-10	2.887351e-12	7.909830e-18	6.033424e-24	1.126826e-23	9.977564e-25
6.309573	2.454307e-10	1.119847e-10	3.003362e-13	8.543064e-21	0.000000e+00	0.000000e+00	0.000000e+00

## River Bend (30.76° N, 91.33° E), Response Spectra

Frequency (Hz)	UHRS 1E-4 (g)	GMRS (g)	UHRS 1E-5 (g)
0.500000	0.102242	0.112247	0.217581
0.561009	0.105560	0.115069	0.222657
0.629463	0.110340	0.119228	0.230197
0.706269	0.113671	0.122075	0.235333
0.792447	0.119757	0.128203	0.246951
0.889140	0.126677	0.133918	0.257150
0.997631	0.132263	0.139215	0.267030
1.000000	0.132415	0.139373	0.267330
1.122019	0.137304	0.145705	0.280048
1.258925	0.138648	0.148055	0.285011
1.412538	0.138299	0.148620	0.286551
1.584893	0.136006	0.148272	0.286911

1.778279	0.135562	0.150289	0.292036
1.995262	0.132300	0.148815	0.290222
2.238721	0.129654	0.148504	0.290929
2.500000	0.131672	0.150765	0.295333
2.805046	0.131056	0.153463	0.302308
3.147313	0.133789	0.162561	0.323203
3.531344	0.139854	0.174143	0.348357
3.962233	0.146468	0.183869	0.368561
4.445698	0.150166	0.190284	0.382314
4.988156	0.151128	0.193787	0.390509
5.000000	0.151154	0.193817	0.390568
5.610092	0.145933	0.186811	0.376293
6.294627	0.136587	0.176988	0.357592
7.062688	0.133911	0.176191	0.357343
7.924466	0.131549	0.172671	0.349996
8.891397	0.125737	0.164759	0.333814
9.976312	0.119111	0.157194	0.319057
10.000000	0.119001	0.157069	0.318814
11.220185	0.110117	0.144698	0.293376
12.589254	0.101234	0.133060	0.269799
14.125375	0.095246	0.125154	0.253748
15.848932	0.090438	0.118621	0.240395
17.782794	0.086558	0.113332	0.229575
19.952623	0.083873	0.109654	0.222043
22.387211	0.082261	0.107395	0.217390
25.000000	0.081443	0.105151	0.212258
28.050461	0.081300	0.103713	0.208727
31.473135	0.081435	0.102787	0.206314
35.313439	0.081998	0.102390	0.204968
39.622330	0.082629	0.102120	0.203900
44.456985	0.083526	0.102268	0.203719
49.881558	0.084172	0.102246	0.203273
55.968028	0.084294	0.101813	0.202123
62.797161	0.083708	0.100795	0.199950
70.459573	0.082362	0.099246	0.196912
79.056942	0.080193	0.097085	0.192850
88.703347	0.077253	0.094462	0.188106
99.526793	0.074195	0.091952	0.183725
100.000000	0.069836	0.086879	0.173754