|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| span\_length | current\_label | depth | current\_speed | Re | shredding\_frequency\_inline | KC | boundary\_condition | internal\_fluid | mode 1 | safety\_factor\_inline | safety\_factor\_crossflow |
| 44.0 | 1 yr | 0 | 0.7 | 4258.62 | 0.01 | 196.85 | simply\_supported | empty | 4.08 | 313.53 | 627.05 |
| 44.0 | 1 yr | 0 | 0.7 | 4258.62 | 0.01 | 196.85 | simply\_supported | flooded | 3.23 | 248.34 | 496.69 |
| 80.0 | 1 yr | 0 | 0.7 | 4258.62 | 0.01 | 196.85 | simply\_supported | empty | 1.24 | 94.84 | 189.68 |
| 80.0 | 1 yr | 0 | 0.7 | 4258.62 | 0.01 | 196.85 | simply\_supported | flooded | 0.98 | 75.12 | 150.25 |
| 44.0 | 1 yr | 25 | 0.5 | 3041.87 | 0.01 | 196.85 | simply\_supported | empty | 4.08 | 438.94 | 877.87 |
| 44.0 | 1 yr | 25 | 0.5 | 3041.87 | 0.01 | 196.85 | simply\_supported | flooded | 3.23 | 347.68 | 695.36 |
| 80.0 | 1 yr | 25 | 0.5 | 3041.87 | 0.01 | 196.85 | simply\_supported | empty | 1.24 | 132.78 | 265.56 |
| 80.0 | 1 yr | 25 | 0.5 | 3041.87 | 0.01 | 196.85 | simply\_supported | flooded | 0.98 | 105.17 | 210.35 |
| 44.0 | 1 yr | 50 | 0.3 | 1825.12 | 0.01 | 196.85 | simply\_supported | empty | 4.08 | 731.56 | 1463.12 |
| 44.0 | 1 yr | 50 | 0.3 | 1825.12 | 0.01 | 196.85 | simply\_supported | flooded | 3.23 | 579.47 | 1158.94 |
| 80.0 | 1 yr | 50 | 0.3 | 1825.12 | 0.01 | 196.85 | simply\_supported | empty | 1.24 | 221.3 | 442.59 |
| 80.0 | 1 yr | 50 | 0.3 | 1825.12 | 0.01 | 196.85 | simply\_supported | flooded | 0.98 | 175.29 | 350.58 |
| 44.0 | 1 yr | 75 | 0.3 | 1825.12 | 0.01 | 196.85 | simply\_supported | empty | 4.08 | 731.56 | 1463.12 |
| 44.0 | 1 yr | 75 | 0.3 | 1825.12 | 0.01 | 196.85 | simply\_supported | flooded | 3.23 | 579.47 | 1158.94 |
| 80.0 | 1 yr | 75 | 0.3 | 1825.12 | 0.01 | 196.85 | simply\_supported | empty | 1.24 | 221.3 | 442.59 |
| 80.0 | 1 yr | 75 | 0.3 | 1825.12 | 0.01 | 196.85 | simply\_supported | flooded | 0.98 | 175.29 | 350.58 |
| 44.0 | 1 yr | 100 | 0.1 | 608.37 | 0.0 | 196.85 | simply\_supported | empty | 4.08 | 2194.68 | 4389.35 |
| 44.0 | 1 yr | 100 | 0.1 | 608.37 | 0.0 | 196.85 | simply\_supported | flooded | 3.23 | 1738.41 | 3476.82 |
| 80.0 | 1 yr | 100 | 0.1 | 608.37 | 0.0 | 196.85 | simply\_supported | empty | 1.24 | 663.89 | 1327.78 |
| 80.0 | 1 yr | 100 | 0.1 | 608.37 | 0.0 | 196.85 | simply\_supported | flooded | 0.98 | 525.87 | 1051.74 |
| 44.0 | 100 yr | 0 | 0.8 | 4867.0 | 0.01 | 196.85 | simply\_supported | empty | 4.08 | 274.33 | 548.67 |
| 44.0 | 100 yr | 0 | 0.8 | 4867.0 | 0.01 | 196.85 | simply\_supported | flooded | 3.23 | 217.3 | 434.6 |
| 80.0 | 100 yr | 0 | 0.8 | 4867.0 | 0.01 | 196.85 | simply\_supported | empty | 1.24 | 82.99 | 165.97 |
| 80.0 | 100 yr | 0 | 0.8 | 4867.0 | 0.01 | 196.85 | simply\_supported | flooded | 0.98 | 65.73 | 131.47 |
| 44.0 | 100 yr | 25 | 0.6 | 3650.25 | 0.01 | 196.85 | simply\_supported | empty | 4.08 | 365.78 | 731.56 |
| 44.0 | 100 yr | 25 | 0.6 | 3650.25 | 0.01 | 196.85 | simply\_supported | flooded | 3.23 | 289.74 | 579.47 |
| 80.0 | 100 yr | 25 | 0.6 | 3650.25 | 0.01 | 196.85 | simply\_supported | empty | 1.24 | 110.65 | 221.3 |
| 80.0 | 100 yr | 25 | 0.6 | 3650.25 | 0.01 | 196.85 | simply\_supported | flooded | 0.98 | 87.64 | 175.29 |
| 44.0 | 100 yr | 50 | 0.4 | 2433.5 | 0.01 | 196.85 | simply\_supported | empty | 4.08 | 548.67 | 1097.34 |
| 44.0 | 100 yr | 50 | 0.4 | 2433.5 | 0.01 | 196.85 | simply\_supported | flooded | 3.23 | 434.6 | 869.21 |
| 80.0 | 100 yr | 50 | 0.4 | 2433.5 | 0.01 | 196.85 | simply\_supported | empty | 1.24 | 165.97 | 331.94 |
| 80.0 | 100 yr | 50 | 0.4 | 2433.5 | 0.01 | 196.85 | simply\_supported | flooded | 0.98 | 131.47 | 262.93 |
| 44.0 | 100 yr | 75 | 0.3 | 1825.12 | 0.01 | 196.85 | simply\_supported | empty | 4.08 | 731.56 | 1463.12 |
| 44.0 | 100 yr | 75 | 0.3 | 1825.12 | 0.01 | 196.85 | simply\_supported | flooded | 3.23 | 579.47 | 1158.94 |
| 80.0 | 100 yr | 75 | 0.3 | 1825.12 | 0.01 | 196.85 | simply\_supported | empty | 1.24 | 221.3 | 442.59 |
| 80.0 | 100 yr | 75 | 0.3 | 1825.12 | 0.01 | 196.85 | simply\_supported | flooded | 0.98 | 175.29 | 350.58 |
| 44.0 | 100 yr | 100 | 0.1 | 608.37 | 0.0 | 196.85 | simply\_supported | empty | 4.08 | 2194.68 | 4389.35 |
| 44.0 | 100 yr | 100 | 0.1 | 608.37 | 0.0 | 196.85 | simply\_supported | flooded | 3.23 | 1738.41 | 3476.82 |
| 80.0 | 100 yr | 100 | 0.1 | 608.37 | 0.0 | 196.85 | simply\_supported | empty | 1.24 | 663.89 | 1327.78 |
| 80.0 | 100 yr | 100 | 0.1 | 608.37 | 0.0 | 196.85 | simply\_supported | flooded | 0.98 | 525.87 | 1051.74 |