

| Large avalanche ( > 60'000 m <sup>3</sup> ) |                        | 300-Year |       | 100-Year |       | 30-Year |       | 10-Year |       |
|---|------------------------|----------|-------|----------|-------|---------|-------|---------|-------|
|   | Altitude<br>(m.a.s.l.) | $\mu$    | $\xi$ | $\mu$    | $\xi$ | $\mu$   | $\xi$ | $\mu$   | $\xi$ |
| unchannelled                                | above 1500             | 0.155    | 3000  | 0.165    | 3000  | 0.17    | 3000  | 0.18    | 3000  |
|   | 1000 - 1500            | 0.17     | 2500  | 0.18     | 2500  | 0.19    | 2500  | 0.2     | 2500  |
|   | below 1000             | 0.19     | 2000  | 0.2      | 2000  | 0.21    | 2000  | 0.22    | 2000  |
| channelled                                  | above 1500             | 0.21     | 2000  | 0.22     | 2000  | 0.225   | 2000  | 0.235   | 2000  |
|   | 1000 - 1500            | 0.22     | 1750  | 0.23     | 1750  | 0.24    | 1750  | 0.25    | 1750  |
|   | below 1000             | 0.24     | 1500  | 0.25     | 1500  | 0.26    | 1500  | 0.27    | 1500  |
| gully                                       | above 1500             | 0.27     | 1500  | 0.28     | 1500  | 0.29    | 1500  | 0.3     | 1500  |
|   | 1000 - 1500            | 0.285    | 1350  | 0.3      | 1350  | 0.31    | 1350  | 0.325   | 1350  |
|   | below 1000             | 0.3      | 1200  | 0.315    | 1200  | 0.33    | 1200  | 0.345   | 1200  |
| flat  | above 1500             | 0.14     | 4000  | 0.15     | 4000  | 0.155   | 4000  | 0.16    | 4000  |
|   | 1000 - 1500            | 0.15     | 3500  | 0.16     | 3500  | 0.17    | 3500  | 0.18    | 3500  |
|   | below 1000             | 0.17     | 3000  | 0.18     | 3000  | 0.19    | 3000  | 0.2     | 3000  |

| Medium avalanche ( 25 - 60'000 m <sup>3</sup> ) |             | 300-Year |      | 100-Year |      | 30-Year |      | 10-Year |      |
|---|-------------|----------|------|----------|------|---------|------|---------|------|
| unchannelled                                    | above 1500  | 0.195    | 2500 | 0.205    | 2500 | 0.215   | 2500 | 0.225   | 2500 |
|   | 1000 - 1500 | 0.21     | 2100 | 0.22     | 2100 | 0.23    | 2100 | 0.24    | 2100 |
|   | below 1000  | 0.23     | 1750 | 0.24     | 1750 | 0.25    | 1750 | 0.26    | 1750 |
| channelled                                      | above 1500  | 0.25     | 1750 | 0.26     | 1750 | 0.27    | 1750 | 0.28    | 1750 |
|   | 1000 - 1500 | 0.27     | 1530 | 0.28     | 1530 | 0.285   | 1530 | 0.295   | 1530 |
|   | below 1000  | 0.28     | 1350 | 0.29     | 1350 | 0.3     | 1350 | 0.31    | 1350 |
| gully   | above 1500  | 0.32     | 1350 | 0.33     | 1350 | 0.34    | 1350 | 0.35    | 1350 |
|   | 1000 - 1500 | 0.33     | 1200 | 0.34     | 1200 | 0.355   | 1200 | 0.36    | 1200 |
|   | below 1000  | 0.36     | 1100 | 0.37     | 1100 | 0.38    | 1100 | 0.39    | 1100 |
| flat  | above 1500  | 0.17     | 3250 | 0.18     | 3250 | 0.19    | 3250 | 0.2     | 3250 |
|   | 1000 - 1500 | 0.19     | 2900 | 0.2      | 2900 | 0.21    | 2900 | 0.22    | 2900 |
|   | below 1000  | 0.21     | 2500 | 0.22     | 2500 | 0.23    | 2500 | 0.24    | 2500 |

|   |      |     |      |     |      |     |      |     |
|---|------|-----|------|-----|------|-----|------|-----|
| forested area ( $\mu=\delta$ , $\xi=\text{fix}$ ) | 0.02 | 400 | 0.02 | 400 | 0.02 | 400 | 0.02 | 400 |
|---|------|-----|------|-----|------|-----|------|-----|

| Small avalanche ( 5 - 25'000 m <sup>3</sup> ) |                        | 300-Year |       | 100-Year |       | 30-Year |       | 10-Year |       |
|---|------------------------|----------|-------|----------|-------|---------|-------|---------|-------|
|   | Altitude<br>(m.a.s.l.) | $\mu$    | $\xi$ | $\mu$    | $\xi$ | $\mu$   | $\xi$ | $\mu$   | $\xi$ |
| unchannelled                                  | above 1500             | 0.235    | 2000  | 0.245    | 2000  | 0.25    | 2000  | 0.26    | 2000  |
|   | 1000 - 1500            | 0.25     | 1750  | 0.26     | 1750  | 0.265   | 1750  | 0.275   | 1750  |
|   | below 1000             | 0.265    | 1500  | 0.275    | 1500  | 0.285   | 1500  | 0.295   | 1500  |
| channelled                                    | above 1500             | 0.28     | 1500  | 0.29     | 1500  | 0.3     | 1500  | 0.31    | 1500  |
|   | 1000 - 1500            | 0.3      | 1350  | 0.31     | 1350  | 0.315   | 1350  | 0.325   | 1350  |
|   | below 1000             | 0.31     | 1200  | 0.32     | 1200  | 0.33    | 1200  | 0.34    | 1200  |
| gully   | above 1500             | 0.37     | 1200  | 0.38     | 1200  | 0.39    | 1200  | 0.4     | 1200  |
|   | 1000 - 1500            | 0.38     | 1100  | 0.39     | 1100  | 0.4     | 1100  | 0.41    | 1100  |
|   | below 1000             | 0.4      | 1000  | 0.41     | 1000  | 0.42    | 1000  | 0.43    | 1000  |
| flat  | above 1500             | 0.215    | 2500  | 0.225    | 2500  | 0.23    | 2500  | 0.24    | 2500  |
|   | 1000 - 1500            | 0.23     | 2250  | 0.24     | 2250  | 0.245   | 2250  | 0.255   | 2250  |
|   | below 1000             | 0.245    | 2000  | 0.255    | 2000  | 0.26    | 2000  | 0.27    | 2000  |

| Tiny avalanche ( < 5'000 m <sup>3</sup> ) |             | 300-Year |      | 100-Year |      | 30-Year |      | 10-Year |      |
|---|-------------|----------|------|----------|------|---------|------|---------|------|
| unchannelled                              | above 1500  | 0.275    | 1500 | 0.28     | 1500 | 0.285   | 1500 | 0.29    | 1500 |
|   | 1000 - 1500 | 0.29     | 1400 | 0.295    | 1400 | 0.3     | 1400 | 0.305   | 1400 |
|   | below 1000  | 0.3      | 1250 | 0.31     | 1250 | 0.32    | 1250 | 0.33    | 1250 |
| channelled                                | above 1500  | 0.31     | 1250 | 0.32     | 1250 | 0.33    | 1250 | 0.34    | 1250 |
|   | 1000 - 1500 | 0.33     | 1180 | 0.34     | 1180 | 0.345   | 1180 | 0.355   | 1180 |
|   | below 1000  | 0.34     | 1050 | 0.35     | 1050 | 0.36    | 1050 | 0.37    | 1050 |
| gully                                     | above 1500  | 0.42     | 1050 | 0.43     | 1050 | 0.44    | 1050 | 0.45    | 1050 |
|   | 1000 - 1500 | 0.43     | 1000 | 0.44     | 1000 | 0.45    | 1000 | 0.46    | 1000 |
|   | below 1000  | 0.44     | 900  | 0.45     | 900  | 0.46    | 900  | 0.47    | 900  |
| flat                                      | above 1500  | 0.26     | 1750 | 0.265    | 1750 | 0.27    | 1750 | 0.275   | 1750 |
|   | 1000 - 1500 | 0.27     | 1600 | 0.275    | 1600 | 0.28    | 1600 | 0.285   | 1600 |
|   | below 1000  | 0.28     | 1500 | 0.285    | 1500 | 0.29    | 1500 | 0.295   | 1500 |

|   |      |     |      |     |      |     |      |     |
|---|------|-----|------|-----|------|-----|------|-----|
| forested area ( $\mu=\delta$ , $\xi=\text{fix}$ ) | 0.02 | 400 | 0.02 | 400 | 0.02 | 400 | 0.02 | 400 |
|---|------|-----|------|-----|------|-----|------|-----|