**Establishing the Level of Risk**

The number produced by multiplying the severity of the hazard by the probability of the hazard presenting itself can be used to establish the level of risk.

Severity of the hazard

|  |  |
| --- | --- |
| Severity of hazard | Value |
| CATASTROPHIC - imminent danger exists leading to death or large scale illness | 1 |
| CRITICAL - hazard can result in serious injury | 2 |
| MARGINAL - hazard can cause injury or illness not expected to be serious  | 3 |
| NEGLIGIBLE - will not result in injury or illness | 4 |

Probability rating

|  |  |
| --- | --- |
| Probability rating | Value |
| PROBABLE - likely to occur immediately | 1 |
| REASONABLY PROBABLE - probably will occur sometime | 2 |
| REMOTE - may occur sometime | 3 |
| EXTREMELY REMOTE - unlikely to occur | 4 |

LEVEL OF RISK = Severity estimate X Probability estimate.

HIGH RISK = 1-4

MEDIUM = 5-11

LOW = 12-16

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Severity of hazard |  |  |  |
| Probability rating | CATASTROPHIC | CRITICAL | MARGINAL | NEGLIGIBLE |
| PROBABLE | 1 | 2 | 3 | 4 |
| REASONABLY PROBABLE | 2 | 4 | 6 | 8 |
| REMOTE | 3 | 6 | 9 | 12 |
| EXTREMELY REMOTE | 4 | 8 | 12 | 16 |