|  | SPI accumulation period (months) | Threshold | Pierre Shale Low | | Tertiary Clays | | Pierre Shale High | | Black Hills Plateau | | Keya Paha Tablelands | | GW Control | | Sand Hills | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Fitted | SE +/- | Fitted | SE +/- | Fitted | SE +/- | Fitted | SE +/- | Fitted | SE +/- | Fitted | SE +/- | Fitted | SE +/- |
|  |  | moderate | 1.6 | 1.1 | 2.1 | 1.0 | 2.0 | 1.0 | 1.8 | 1.0 | 1.8 | 1.0 | 1.7 | 1.0 | 1.7 | 1.0 |
|  | SRI-1 | severe | 2.0 | 1.1 | 2.7 | 1.1 | 2.6 | 1.0 | 2.4 | 1.0 | 2.4 | 1.0 | 2.2 | 1.0 | 2.2 | 1.0 |
|  |  | extreme | 4.3 | 1.0 | 3.0 | 1.1 | 2.8 | 1.1 | 2.6 | 1.1 | 2.6 | 1.1 | 2.5 | 1.1 | 2.5 | 1.1 |
|  |  | moderate | 1.9 | 1.0 | 2.8 | 1.0 | 2.7 | 1.0 | 2.5 | 1.0 | 2.5 | 1.0 | 2.3 | 1.0 | 2.3 | 1.0 |
| Severity | SRI-6 | severe | 2.3 | 1.1 | 3.7 | 1.1 | 3.5 | 1.0 | 3.2 | 1.0 | 3.2 | 1.0 | 3.0 | 1.0 | 3.0 | 1.0 |
|  |  | extreme | 5.0 | 1.0 | 4.1 | 1.1 | 3.8 | 1.1 | 3.5 | 1.1 | 3.5 | 1.1 | 3.3 | 1.1 | 3.3 | 1.1 |
|  |  | moderate | 2.7 | 1.1 | 5.8 | 1.1 | 5.4 | 1.1 | 5.0 | 1.0 | 5.0 | 1.0 | 4.7 | 1.1 | 4.7 | 1.1 |
|  | SRI-18 | severe | 3.2 | 1.1 | 7.5 | 1.1 | 7.0 | 1.1 | 6.5 | 1.1 | 6.4 | 1.1 | 6.0 | 1.1 | 6.0 | 1.1 |
|  |  | extreme | 7.0 | 1.1 | 8.2 | 1.1 | 7.8 | 1.1 |  |  | 7.1 | 1.1 | 6.7 | 1.1 | 6.7 | 1.1 |
|  |  | moderate | 1.3 | 1.1 | 1.7 | 1.0 | 1.6 | 1.0 | 1.5 | 1.0 | 1.5 | 1.0 | 1.4 | 1.0 | 1.4 | 1.0 |
|  | SRI-1 | severe | 1.1 | 1.1 | 1.6 | 1.1 | 1.5 | 1.0 | 1.4 | 1.0 | 1.4 | 1.0 | 1.3 | 1.0 | 1.3 | 1.0 |
|  |  | extreme | 1.5 | 1.0 | 1.3 | 1.1 | 1.3 | 1.1 | 1.2 | 1.1 | 1.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
|  |  | moderate | 1.6 | 1.0 | 2.3 | 1.0 | 2.2 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | 1.9 | 1.0 | 1.9 | 1.0 |
| Duration | SRI-6 | severe | 1.3 | 1.1 | 2.2 | 1.1 | 2.0 | 1.0 | 1.9 | 1.0 | 1.9 | 1.0 | 1.8 | 1.0 | 1.8 | 1.0 |
|  |  | extreme | 1.7 | 1.0 | 1.8 | 1.1 | 1.7 | 1.1 | 1.6 | 1.1 | 1.6 | 1.1 | 1.5 | 1.1 | 1.5 | 1.1 |
|  |  | moderate | 2.3 | 1.1 | 4.7 | 1.1 | 4.4 | 1.1 | 4.1 | 1.0 | 4.1 | 1.0 | 3.8 | 1.0 | 3.8 | 1.0 |
|  | SRI-18 | severe | 2.0 | 1.1 | 4.4 | 1.1 | 4.2 | 1.1 | 3.9 | 1.1 | 3.8 | 1.1 | 3.6 | 1.1 | 3.6 | 1.1 |
|  |  | extreme | 2.5 | 1.1 | 3.7 | 1.1 | 3.5 | 1.1 |  |  | 3.2 | 1.1 | 3.0 | 1.1 | 3.0 | 1.1 |