|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Layer** | **Peak discharge**  **m3 s-1** | **Flow event volume**  **m3** | **Sediment volume**  **at check dam site**  **m3** | **MDi**  **t** | **Ci**  **m3** | **STEi** | **MEi**  **t** | **Sediment concentration**  **g l-1 - kg m-3** |
| A6 | 0.3 | 900 | 10.22 | 10.43 | 142.60 | 0.42 | 24.64 | 27 |
| A5 | 0.6 | 2430 | 27.86 | 25.91 | 132.38 | 0.41 | 63.94 | 26 |
| A4 | 0.6 | 1800 | 11.35 | 6.36 | 104.52 | 0.35 | 18.17 | 10 |
| A3 | 1.6 | 8910 | 47.94 | 31.64 | 104.50 | 0.35 | 90.46 | 10 |
| A2 | 0.5 | 3510 | 17.57 | 8.61 | 45.21 | 0.19 | 45.61 | 13 |
| A1 | 0.8 | 5400 | 27.65 | 14.65 | 45.21 | 0.19 | 77.61 | 14 |