

A_{E0} : 1572 km²

PNP : HN + 251.91 m

Lage: 45.6 km oberhalb der Mündung links



m³/s

Pegel : Lichtenwalde 1

Nr. 567451

Gewässer : Zschopau

Gebiet : Freiburger Mulde

| | Tag | 2011 | | 2012 | | | | | | | | | | | | |
|-----------------|------------------------|-------------------------|-------------------------|-----------------------------|-------------------|------------------------|---------------|-----------------------------|----------------------------------|-----------|--|--------------|-------------------|-------------------|------------------|----|
| | | Nov | Dez | Jan | Feb | Mrz | Apr | Mai | Jun | Jul | Aug | Sep | Okt | Nov | Dez | |
| Tageswerte | 1. | 6.74 | 4.02 | 28.9 | R 29.4 | 121 | 31.9 | 14.1 | 15.5 | 10.2 | 8.11 | 8.91 | 3.49 | 5.47 | 8.44 | |
| | 2. | 6.88 | 4.33 | 42.1 | R 26.1 | 113 | 28.7 | 13.4 | 11.7 | 8.21 | 7.86 | 5.98 | 3.36 | 7.29 | 6.67 | |
| | 3. | 6.52 | 4.58 | 45.4 | R 25.4 | 101 | 25.8 | 13.9 | 9.32 | 19.8 | 8.75 | 4.95 | 3.35 | 6.92 | 7.61 | |
| | 4. | 6.57 | 5.60 | 38.5 | R 25.3 | 87.4 | 24.6 | 13.5 | 13.5 | 13.0 | 7.45 | 4.38 | 3.35 | 10.7 | 6.99 | |
| | 5. | 6.60 | 17.5 | 43.0 | R 25.0 | 77.4 | 23.5 | 12.0 | 13.3 | 13.7 | 7.43 | 4.38 | 4.39 | 10.3 | 7.62 | |
| | 6. | 6.42 | 13.3 | 45.9 | R 24.9 | 68.5 | 22.8 | 14.9 | 11.0 | 22.0 | 7.36 | 3.87 | 3.97 | 8.32 | 6.84 | |
| | 7. | 6.04 | 9.21 | 39.8 | R 24.7 | 56.7 | 21.6 | 15.8 | 9.24 | 29.8 | 6.77 | 3.66 | 5.98 | 8.75 | R 7.67 | |
| | 8. | b 6.12 | 8.42 | 53.3 | R 24.5 | 52.5 | 21.0 | 13.1 | 8.39 | 21.1 | 6.59 | 3.09 | 5.72 | 11.4 | R 7.71 | |
| | 9. | 5.35 | 10.0 | 65.3 | R 24.2 | 47.5 | 19.8 | 12.0 | 8.04 | 15.5 | 6.18 | 3.39 | 5.80 | 8.35 | R 7.74 | |
| | 10. | 5.72 | 16.0 | 74.9 | R 24.0 | 42.5 | 19.2 | 11.4 | 7.38 | 12.2 | 6.10 | 3.22 | 5.43 | 7.29 | R 7.74 | |
| | 11. | 5.41 | 10.2 | 66.7 | R 23.9 | 42.6 | 17.0 | 10.7 | 7.43 | 11.5 | 5.73 | 3.75 | 3.80 | 7.40 | R 7.73 | |
| | 12. | 5.53 | 8.80 | 67.8 | R 23.7 | 50.1 | 26.5 | 16.4 | 7.91 | 10.6 | 6.03 | 8.33 | 3.82 | 13.0 | R 7.75 | |
| | 13. | 5.52 | 8.59 | 73.2 | R 23.6 | 55.3 | 26.8 | 12.4 | 7.97 | 10.6 | 4.82 | 7.74 | 4.12 | 10.9 | R 7.72 | |
| | 14. | 5.46 | 8.44 | 63.4 | R 23.4 | 53.2 | 21.1 | 11.2 | 13.2 | 11.7 | 4.87 | 5.85 | 4.00 | 7.40 | R 7.68 | |
| | 15. | 5.27 | 10.1 | 55.4 | R 23.4 | 46.0 | 18.9 | 10.8 | 9.93 | 10.4 | 4.77 | 4.60 | 3.64 | 6.87 | R 10.4 | |
| | 16. | 5.14 | 10.6 | 49.2 | R 23.3 | 44.1 | 20.6 | 11.2 | 8.36 | 16.8 | 4.49 | 4.08 | 3.37 | 6.43 | 16.8 | |
| | 17. | 5.06 | 13.8 | 45.6 | 25.7 | 43.7 | 19.4 | 10.8 | 13.9 | 29.4 | 5.06 | 3.53 | 3.56 | 5.64 | 19.8 | |
| | 18. | 5.24 | 12.8 | 41.5 | 32.0 | 43.9 | 18.1 | 10.3 | 9.78 | 33.3 | 4.70 | 3.60 | 3.33 | 6.26 | 18.9 | |
| | 19. | 4.64 | 10.9 | 48.5 | 39.4 | 45.3 | 17.4 | 9.44 | 8.29 | 20.8 | 3.95 | 5.29 | 3.38 | 5.79 | 22.9 | |
| | 20. | 5.08 | 10.1 | 74.2 | 30.4 | 41.7 | 17.6 | 9.10 | 9.90 | 16.2 | 3.73 | 4.19 | 3.25 | 5.66 | 21.9 | |
| | 21. | 5.11 | 11.8 | 56.5 | 24.2 | 38.4 | 17.4 | 8.78 | 13.9 | 15.0 | 6.16 | 3.60 | 3.19 | 5.49 | 19.4 | |
| | 22. | 4.80 | 12.8 | 85.0 | 24.6 | 36.7 | 16.7 | 8.21 | 10.3 | 16.3 | 5.68 | 3.95 | 3.15 | 5.60 | 18.5 | |
| | 23. | 4.78 | 16.3 | 95.5 | 29.1 | 35.4 | 15.7 | 9.75 | 8.16 | 13.7 | 5.13 | 4.36 | 3.12 | 5.14 | 43.4 | |
| | 24. | 4.96 | 26.3 | 86.9 | 51.8 | 33.6 | 15.8 | 8.65 | 7.13 | 12.0 | 5.27 | 3.46 | 3.30 | 5.23 | 17.3 | |
| | 25. | 4.50 | 26.7 | 75.5 | 96.0 | 32.3 | 24.3 | 7.73 | 7.77 | 11.1 | 4.87 | 3.56 | 3.18 | 4.92 | 11.9 | |
| | 26. | 4.28 | 25.4 | 64.0 | 72.9 | 31.2 | 18.2 | 7.58 | 8.58 | 10.2 | 3.64 | 3.36 | 3.25 | 5.06 | 11.3 | |
| | 27. | 4.39 | 31.5 | 56.1 | 57.0 | 30.0 | 15.9 | 7.17 | 6.39 | 9.67 | 3.77 | 4.80 | 4.12 | 5.19 | 99.5 | |
| | 28. | 4.32 | 32.2 | 50.5 | 56.8 | 28.6 | 15.3 | 7.54 | 8.45 | 10.4 | 4.44 | 5.79 | 4.76 | 5.14 | 10.2 | |
| | 29. | 4.04 | 30.2 | 45.6 | 110 | 28.6 | 14.7 | 7.40 | 6.76 | 10.1 | 3.59 | 4.05 | 4.09 | 9.68 | 79.0 | |
| | 30. | 4.26 | 29.0 | R 40.9 | | 33.6 | 14.1 | 6.64 | 6.12 | | 9.96 | 3.65 | 4.47 | 9.93 | 67.1 | |
| | 31. | | 27.5 | R 34.3 | | 37.3 | | 7.21 | | | 9.01 | 9.59 | 4.90 | | 58.5 | |
| Hauptwerte | Tag | 29. | 1. | 1. | 16. | 28.+ | 30. | 30. | 30. | 2. | 29. | 8. | 23. | 25. | 2. | |
| | NQ | 4.04 | 4.02 | 28.9 | 23.3 | 28.6 | 14.1 | 6.64 | 6.12 | 8.21 | 3.59 | 3.09 | 3.12 | 4.92 | 6.67 | |
| | MQ | 5.36 | 15.1 | 56.6 | 36.0 | 51.6 | 20.3 | 10.7 | 9.59 | 14.9 | 5.69 | 4.58 | 3.96 | 7.38 | 35.8 | |
| | HQ | b 17.2 | 38.5 | 102 | 132 | 128 | 38.2 | 24.8 | 27.8 | 46.0 | 20.5 | 16.4 | 12.1 | 19.1 | 200 | |
| | Tag | 8. | 27. | 23. | 29. | 1. | 13. | 12. | 1.+ | 6. | 31. | 1. | 9. | 13. | 24. | |
| | h _N | mm | | | | | | | | | | | | | | |
| | h _A | mm | 9 | 26 | 96 | 57 | 88 | 33 | 18 | 16 | 25 | 10 | 8 | 7 | 12 | 61 |
| | | | 1909/2011 | | 1910/2012 | | | | | | 103 Jahre | | | | | |
| | Jahr | 1985 | 1911 | 1933 | 1929 | 1963 | 2007 | 1934 | 1934 | 1934 | 1947 | 1935 | 1921 | 1985 | 1911 | |
| | NQ | 1.36 | 1.80 | 2.50 | 2.50 | 2.07 | 7.22 | 3.70 | 0.900 | 1.00 | 0.590 | 0.500 | 0.600 | 1.36 | 1.80 | |
| | MNQ | 8.78 | 10.3 | 12.1 | 13.5 | 16.9 | 20.2 | 11.5 | 8.80 | 7.46 | 6.57 | 6.57 | 6.58 | 8.79 | 10.2 | |
| | MQ | 16.8 | 22.9 | 27.0 | 26.0 | 35.2 | 37.5 | 22.1 | 17.8 | 17.3 | 14.6 | 12.2 | 13.6 | 16.8 | 22.9 | |
| | MHQ | 43.0 | 71.5 | 84.7 | 72.3 | 96.8 | 81.6 | 60.1 | 56.9 | 69.8 | 62.6 | 37.7 | 39.6 | 42.9 | 72.7 | |
| | HQ | 190 | 623 | 687 | 334 | 414 | 361 | 388 | 300 | 532 | 1250 | 298 | 232 | 190 | 623 | |
| | Jahr | 1998 | 1974 | 1932 | 1946 | 1981 | 2006 | 1965 | 1926 | 1958 | 2002 | 1995 | 1942 | 1998 | 1974 | |
| | | 1909/2011 | | 1910/2012 | | | | | | 103 Jahre | | | | | | |
| M _N | mm | 28 | 39 | 46 | 41 | 60 | 62 | 38 | 29 | 29 | 25 | 20 | 23 | 28 | 39 | |
| M _A | mm | | | | | | | | | | | | | | | |
| Extremwerte | | | Abflussjahr (*) | | | | Kalenderjahr | | | | Unterschrittene Abflüsse m ³ /s | | | | | |
| | | | 2012 | | | | 2012 | | | | 1910/2012 | | 103 Kalenderjahre | | | |
| | | | Jahr | Datum | Winter | Sommer | Jahr | Datum | | | Abflussjahr (*) | Kalenderjahr | 1910/2012 | 103 Kalenderjahre | | |
| | | | | | | | | | Unter schreitungs dauer in Tagen | | 2012 | 2012 | Obere Hüllwerte | Mittlere Werte | Untere Hüllwerte | |
| | NQ | m ³ /s | 3.09 | am 08.09.2012 | 4.02 | 3.09 | 3.09 | am 08.09.2012 | (365) | 121 | 173 | 895 | 170 | 38.5 | | |
| | MQ | m ³ /s | 19.5 | | 31.0 | 8.25 | 21.5 | | 364 | 113 | 121 | 399 | 135 | 32.9 | | |
| | HQ | m ³ /s | 132 | am 29.02.2012 bei W= 282 cm | 132 | 46.0 | 200 | am 24.12.2012 bei W= 333 cm | 363 | 110 | 119 | 337 | 119 | 31.1 | | |
| | N _q | l/(s km ²) | 1.97 | | 2.56 | 1.97 | 1.97 | | 361 | 96.0 | 113 | 253 | 108 | 30.5 | | |
| | M _q | l/(s km ²) | 12.4 | | 19.7 | 5.25 | 13.7 | | 360 | 95.5 | 110 | 233 | 99.0 | 29.9 | | |
| | H _q | l/(s km ²) | 84.0 | | 84.0 | 29.3 | 127 | | 359 | 87.4 | 102 | 204 | 91.7 | 29.9 | | |
| | h _N | mm | | | | | | | 358 | 86.9 | 101 | 189 | 86.7 | 29.3 | | |
| | h _A | mm | 392 | | 310 | 83 | 432 | | 357 | 85.0 | 99.5 | 182 | 82.7 | 28.7 | | |
| | | | 1910/2012 (*) 103 Jahre | | | | 1910/2012 | | | | | | | | | |
| | NQ | m ³ /s | 0.500 | am 22.09.1935 | 1.36 | 0.500 | 0.500 | am 22.09.1935 | 340 | 56.1 | 65.3 | 91.6 | 54.0 | 23.6 | | |
| | MNQ | m ³ /s | 3.66 | | 6.43 | 4.24 | 3.81 | | 330 | 48.5 | 55.3 | 77.7 | 46.4 | 21.5 | | |
| MQ | m ³ /s | 21.9 | | 27.6 | 16.3 | 21.9 | | 320 | 43.7 | 46.0 | 71.5 | 40.7 | 20.2 | | | |
| MHQ | m ³ /s | 219 | | 170 | 138 | 219 | | 300 | 32.2 | 38.4 | 62.2 | 33.0 | 16.0 | | | |
| HQ | m ³ /s | 1250 | am 13.08.2002 | 687 | 1250 | 1250 | am 13.08.2002 | 270 | 24.7 | 24.9 | 55.6 | 25.7 | 11.0 | | | |
| HQ ₁ | m ³ /s | | | | | | | 240 | 17.6 | 19.4 | 49.9 | 20.9 | 8.35 | | | |
| HQ ₅ | m ³ /s | | | | | | | 210 | 13.7 | 14.1 | 44.2 | 17.6 | 7.63 | | | |
| MN _q | l/(s km ²) | 2.33 | | 4.09 | 2.70 | 2.42 | | 183 | 10.7 | 10.9 | 38.6 | 15.1 | 6.75 | | | |
| M _q | l/(s km ²) | 13.9 | | 17.6 | 10.4 | 13.9 | | 150 | 8.59 | 8.65 | 33.0 | 12.6 | 4.70 | | | |
| MH _q | l/(s km ²) | 139 | | 108 | 87.8 | 139 | | 130 | 7.58 | 7.75 | 29.2 | 11.3 | 3.80 | | | |
| | | 1910/2012 (*) 103 Jahre | | | | 1910/2012 | | | | | | | | | | |
| M _{hN} | mm | 439 | | 276 | 165 | 440 | | 120 | 7.13 | 7.61 | 26.8 | 10.6 | 3.60 | | | |
| M _{hA} | mm | | | | | | | 110 | 6.42 | 7.36 | 25.6 | 9.92 | 3.40 | | | |
| | | Niedrigwasser | | | | Hochwasser | | | | | | | | | | |
| | | m ³ /s | l/(s km ²) | Datum | m ³ /s | l/(s km ²) | cm | Datum | | | | | | | | |
| 1 | 0.500 | 0.318 | 22.09.1935 | 1250 | 795 | 13.08.2002 | | | | | | | | | | |
| 2 | 0.590 | 0.375 | 10.08.1947 | 687 | 437 | 04.01.1932 | | | | | | | | | | |
| 3 | 0.600 | 0.382 | 16.10.1921 | 623 | 396 | 08.12.1974 | | | | | | | | | | |
| 4 | 0.600 | 0.382 | 20.08.1911 | 532 | 338 | 06.07.1958 | | | | | | | | | | |
| 5 | 0.700 | 0.445 | 16.09.1928 | 511 | 325 | 11.07.1954 | | | | | | | | | | |
| 6 | 1.10 | 0.700 | 11.07.1915 | 423 | 269 | 14.01.2011 | | | | | | | | | | |
| 7 | 1.16 | 0.738 | 14.10.1976 | 414 | 263 | 12.03.1981 | | | | | | | | | | |
| 8 | 1.36 | 0.865 | 19.11.1985 | 409 | 260 | 05.08.1983 | | | | | | | | | | |
| 9 | 1. | | | | | | | | | | | | | | | |