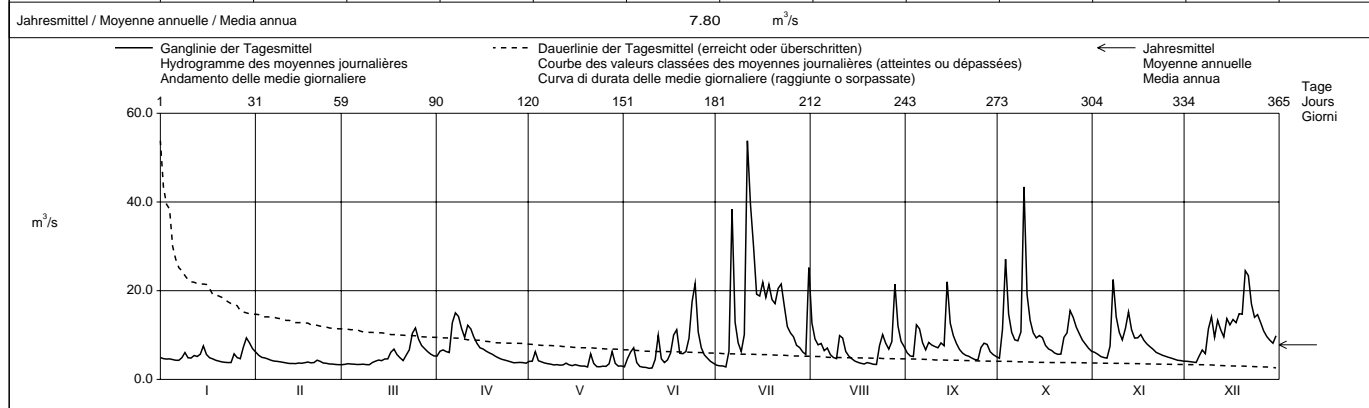


|                |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Abfluss</b> | <b>Töss - Freienstein</b>                    |  |  |  |  |  | <b>ZH 570</b>                          |  |  |  |  |  |
| <b>Débit</b>   | Koordinaten<br>Coordonnées 686 010 / 264 990 |  |  |  |  |  | Höhe<br>Altitude 360.0                 |  |  |  |  |  |
| <b>Portata</b> | Coordinate                                   |  |  |  |  |  | m ü.M.<br>m s.m.<br>m s.m.             |  |  |  |  |  |
|                |  |  |  |  |  |  | Fläche<br>Surface 399.0                |  |  |  |  |  |
|                |  |  |  |  |  |  | m s.m.<br>m s.m.<br>m s.m.             |  |  |  |  |  |
|                |  |  |  |  |  |  | Vergletscherung<br>Extension glacier % |  |  |  |  |  |
|                |  |  |  |  |  |  | Ghiacciaio                             |  |  |  |  |  |

| <b>1993</b>   | Jan./Janv.<br>Genn. | Feb./Févr.<br>Febr. | März/Mars<br>Marzo | April/Avril<br>Aprile | Mai/Mai<br>Maggio | Juni/Juin<br>Giugno | Juli/Juillet<br>Luglio | Aug./Août.<br>Agosto | Sept./Sept.<br>Sett. | Okt./Okt.<br>Ott. | Nov./Nov.<br>Nov. | Dez./Déc.<br>Dic. |      |
|---|---------------------|---------------------|--------------------|-----------------------|-------------------|---------------------|------------------------|----------------------|----------------------|-------------------|-------------------|-------------------|------|
| 1   | 4.94                | 6.18 +              | 3.32               | 5.24                  | 4.07              | 2.83                | 3.20                   | 12.7                 | 5.98                 | 4.77 -            | 6.10              | 4.09              | 1    |
| 2   | 4.68                | 5.44                | 3.39               | 6.36                  | 4.09              | 4.71                | 3.06                   | 9.10                 | 5.28                 | 11.3              | 5.67              | 4.00              | 2    |
| 3   | 4.58                | 4.97                | 3.54               | 6.65                  | 6.25              | 6.16                | 3.03                   | 7.80                 | 5.16                 | 27.1              | 5.16              | 3.91              | 3    |
| 4   | 4.63                | 4.84                | 3.47               | 6.27                  | 4.21              | 7.13                | 2.81                   | 8.10                 | 12.3                 | 14.7              | 4.93              | 3.80              | 4    |
| 5   | 4.47                | 4.60                | 3.43               | 6.06                  | 3.96              | 3.80                | 6.34                   | 6.49                 | 11.4                 | 10.6              | 4.80              | 5.28              | 5    |
| 6   | 4.32                | 4.32                | 3.36               | 12.8                  | 3.70              | 2.92                | 38.4                   | 7.07                 | 8.27                 | 8.92              | 7.51              | 6.63              | 6    |
| 7   | 4.30                | 4.13                | 3.38               | 15.0 +                | 3.55              | 2.75                | 12.9                   | 5.59                 | 6.67                 | 8.70              | 22.5 +            | 5.81              | 7    |
| 8   | 4.89                | 4.07                | 3.43               | 14.2                  | 3.44              | 2.70                | 8.23                   | 4.93                 | 8.33                 | 10.7              | 14.1              | 11.4              | 8    |
| 9   | 6.05                | 3.96                | 3.33               | 11.5                  | 3.26              | 2.50                | 6.28                   | 4.69                 | 7.75                 | 43.4 +            | 10.6              | 14.1              | 9    |
| 10  | 4.87                | 3.84                | 3.31 -             | 9.48                  | 3.33              | 2.58                | 10.1                   | 9.87                 | 7.41                 | 19.1              | 8.92              | 9.50              | 10   |
| 11  | 4.82                | 3.70                | 3.81               | 12.2                  | 3.21              | 4.51                | 53.8 +                 | 9.33                 | 7.13                 | 13.3              | 11.5              | 13.3              | 11   |
| 12  | 5.39                | 3.59                | 4.11               | 11.4                  | 3.26              | 9.97                | 39.5                   | 6.30                 | 8.22                 | 10.5              | 15.2              | 11.2              | 12   |
| 13  | 5.17                | 3.59                | 4.36               | 9.53                  | 3.66              | 4.65                | 30.0                   | 5.26                 | 7.59                 | 9.35              | 11.2              | 9.58              | 13   |
| 14  | 5.68                | 3.56                | 4.23               | 8.14                  | 3.28              | 3.80                | 19.2                   | 4.64                 | 22.0 +               | 9.89              | 9.32              | 13.7              | 14   |
| 15  | 7.55                | 3.69                | 4.60               | 7.12                  | 3.10              | 4.38                | 18.8                   | 4.12                 | 12.7                 | 9.41              | 9.37              | 12.3              | 15   |
| 16  | 5.62                | 3.64                | 4.63               | 6.86                  | 3.33              | 5.93                | 21.9                   | 3.84                 | 9.89                 | 7.65              | 10.1              | 13.5              | 16   |
| 17  | 4.89                | 3.77                | 6.13               | 6.38                  | 3.13              | 10.0                | 18.5                   | 3.62                 | 8.13                 | 6.86              | 8.83              | 12.8              | 17   |
| 18  | 4.64                | 3.92                | 6.83               | 5.99                  | 3.00              | 11.2                | 21.4                   | 3.48                 | 6.77                 | 6.52              | 7.99              | 14.8              | 18   |
| 19  | 4.32                | 3.73                | 5.59               | 5.67                  | 3.01              | 5.89                | 18.0                   | 3.79                 | 5.94                 | 5.93              | 7.36              | 14.7              | 19   |
| 20  | 4.13                | 3.80                | 4.86               | 5.22                  | 2.80 -            | 5.80                | 17.1                   | 3.62                 | 5.45                 | 5.66              | 6.79              | 24.5 +            | 20   |
| 21  | 3.95                | 4.33                | 4.25               | 4.86                  | 5.75              | 6.28                | 20.5                   | 3.41                 | 5.22                 | 5.70              | 6.09              | 23.4              | 21   |
| 22  | 3.85                | 4.07                | 5.48               | 4.55                  | 3.60              | 9.28                | 21.5                   | 3.37                 | 4.82                 | 9.49              | 5.78              | 17.0              | 22   |
| 23  | 3.80                | 3.70                | 6.67               | 4.37                  | 2.88              | 17.5                | 16.6                   | 7.65                 | 4.48                 | 10.5              | 5.45              | 14.0              | 23   |
| 24  | 3.80                | 3.63                | 10.4               | 4.17                  | 2.85              | 21.6 +              | 11.9                   | 10.1                 | 4.37 -               | 15.5              | 5.22              | 14.6              | 24   |
| 25  | 5.76                | 3.48                | 11.6 +             | 3.96                  | 2.98              | 10.7                | 10.5                   | 8.17                 | 7.20                 | 14.0              | 4.98              | 12.8              | 25   |
| 26  | 4.91                | 3.45                | 9.07               | 3.75                  | 2.94              | 7.14                | 9.61                   | 6.83                 | 8.16                 | 11.8              | 4.78              | 10.9              | 26   |
| 27  | 4.67                | 3.37                | 7.64               | 3.79                  | 3.52              | 5.52                | 7.68                   | 8.52                 | 7.89                 | 10.3              | 4.54              | 9.67              | 27   |
| 28  | 7.26                | 3.32 -              | 6.92               | 3.83                  | 6.28 +            | 4.78                | 7.18                   | 21.5 +               | 6.23                 | 8.86              | 4.31              | 8.83              | 28   |
| 29  | 9.35 +              |                     | 6.24               | 3.78                  | 3.61              | 4.06                | 6.19                   | 12.0                 | 5.58                 | 7.94              | 4.24              | 8.16              | 29   |
| 30  | 8.24                |                     | 5.68               | 3.65 -                | 3.00              | 3.63                | 5.62                   | 8.58                 | 5.14                 | 7.02              | 4.10 -            | 9.84              | 30   |
| 31  | 6.93                |                     | 5.30               |                       | 3.03              |                     | 25.2                   | 7.39                 |                      | 6.33              |                   | 13.8              | 31   |
| Monatsmittel<br>Moyenne mensuelle<br>Media mensile                    | 5.24                | 4.02                | 5.24               | 7.09                  | 3.62 -            | 6.49                | 16.0 +                 | 7.16                 | 7.72                 | 11.3              | 7.91              | 11.4              | m³/s |
| Maximum / Massimo<br>(Spitze / Pointe / Punta)<br>Datum / Date / Data | 11.7<br>25.         | 6.30 -<br>1.        | 13.8<br>25.        | 18.5<br>6.            | 17.1<br>21.       | 37.0<br>23.         | 78.0 +<br>11.          | 27.0<br>28.          | 37.0<br>14.          | 71.0<br>9.        | 28.0<br>7.        | 32.0<br>31.       | m³/s |
| Jahresmittel / Moyenne annuelle / Media annua                         | 7.80 m³/s           |                     |                    |                       |                   |                     |                        |                      |                      |                   |                   |                   |      |



| <b>Periode / Période / Periodo</b>  | <b>1985 - 1993</b> |              |              |                |   |              |              |                |                   |                |              |   | <b>( 9 Jahre / années / anni )</b> |             |  |      |
|---|--------------------|--------------|--------------|----------------|---|--------------|--------------|----------------|-------------------|----------------|--------------|---|------------------------------------|-------------|--|------|
| Monatsmittel<br>Moyenne mensuelle<br>Media mensili                                    | 7.87               | 7.97         | 11.4         | 11.7 +         | 8.56  | 10.9         | 6.93         | 4.80           | 4.76 -            | 5.56           | 8.53         | 9.54  | m³/s                               |             |  |      |
| Maximum / Massimo<br>(Spitze / Pointe / Punta)<br>Jahr / Année / Anno                 | 105<br>1986        | 105<br>1990  | 115<br>1988  | 150 +<br>1986  | 130<br>1991                                       | 130<br>1987  | 78.0<br>1993 | 44.0 -<br>1986 | 81.0<br>1987      | 79.0<br>1992   | 95.0<br>1992 | 100<br>1988   | m³/s<br>Dat.                       |             |  |      |
| Minimum / Minimo<br>(Tagesmittel / Moyenne<br>journ. / Media giornal.)                | 2.37<br>1992       | 2.23<br>1992 | 2.69<br>1986 | 3.65 +<br>1993 | 2.39<br>1992                                      | 2.36<br>1992 | 2.39<br>1985 | 1.80<br>1992   | 1.78<br>1991,1992 | 1.69 -<br>1985 | 1.70<br>1985 | 1.99<br>1985  | m³/s<br>Dat.                       |             |  |      |
| Grösstes Jahresmittel<br>Moyenne annuelle la plus grande<br>La più grande media annua | 10.3 (1988)        |              |              | m³/s           | Mittlerer Abfluss<br>Débit moyen<br>Portata media |              |              | 8.19           |                   |                | m³/s         | Kleinstes Jahresmittel<br>Moyenne annuelle la plus petite<br>La più piccola media annua |                                    | 6.48 (1989) |  | m³/s |

| <b>Dauer der Abflüsse (erreicht oder überschritten) / Débits classés (atteints ou dépassés) / Durata delle portate (raggiunte o sorpassate)</b> | 1    | 3    | 6    | 9    | 18   | 36   | 55   | 73   | 91   | 114  | 137  | 160  |      |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1993  | 53.8 | 39.5 | 27.1 | 23.4 | 19.2 | 14.1 | 11.8 | 10.5 | 9.48 | 8.17 | 7.18 | 6.34 | m³/s |
| 1985 - 1993   | 59.9 | 45.7 | 38.2 | 32.3 | 23.7 | 17.2 | 13.4 | 11.4 | 9.67 | 8.09 | 6.83 | 5.92 | m³/s |
| Tage / Jours / Giorni   | 182  | 205  | 228  | 251  | 274  | 292  | 310  | 329  | 347  | 356  | 362  | 365  |      |
| 1993  | 5.93 | 5.39 | 4.86 | 4.48 | 4.09 | 3.80 | 3.63 | 3.41 | 3.10 | 2.92 | 2.75 | 2.50 | m³/s |
| 1985 - 1993   | 5.31 | 4.81 | 4.27 | 3.81 | 3.44 | 3.16 | 2.88 | 2.55 | 2.20 | 1.98 | 1.83 | 1.70 | m³/s |

Einzugsgebiet mit Luppnen.  
(Trockenwetterabfluss der Luppnen wird grösstenteils Richtung Pfäffikersee abgeleitet. Einzugsgebiet der Luppnen bis zum Ableitungwehr: 9,3 km²).