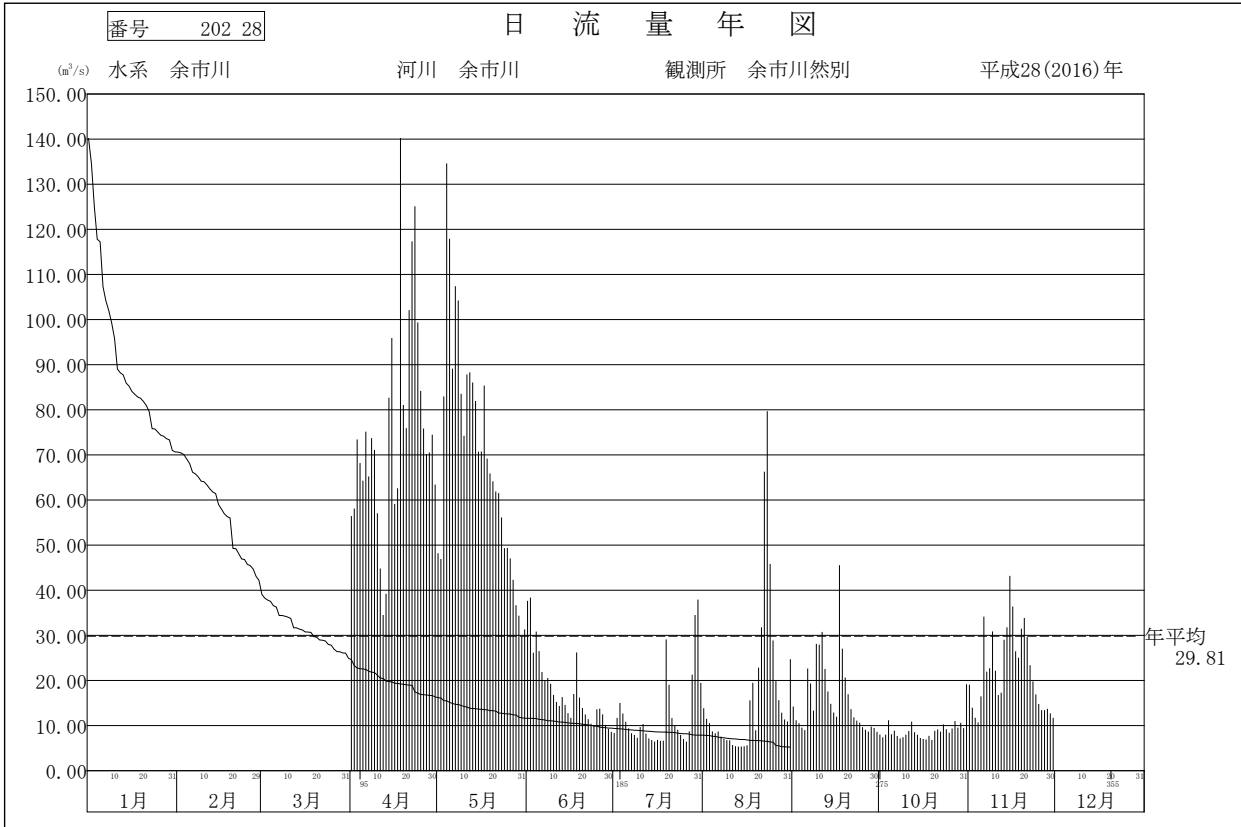


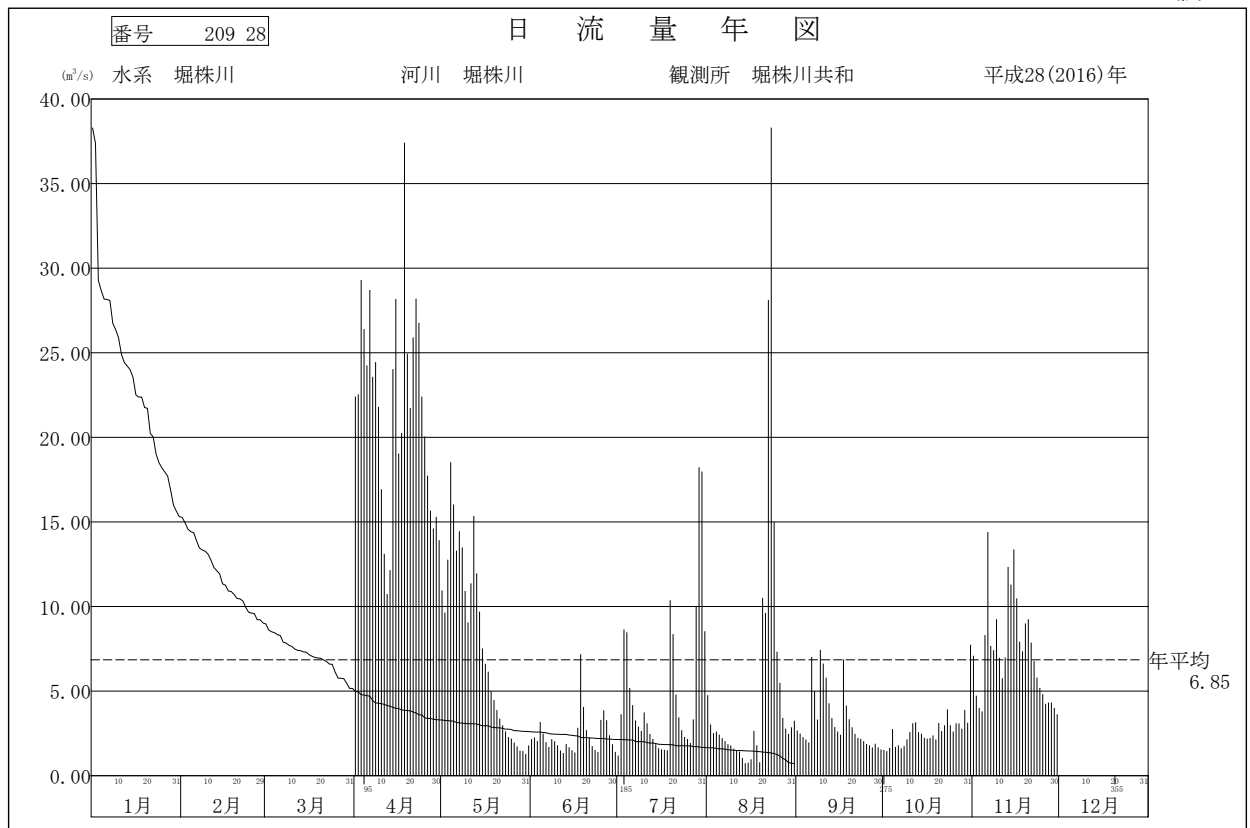
日 流 量 年 表

| 番 号      |    | 202.28          |   | 水 系 余市川                                  |         | 河 川 余市川          |                                                   | 観測所 余市川然別                   |        | 平成 28 ( 2016 ) 年                                   |        |                     |               |
|----------|----|-----------------|---|------------------------------------------|---------|------------------|---------------------------------------------------|-----------------------------|--------|----------------------------------------------------|--------|---------------------|---------------|
| 年        | 日  | 1               | 2 | 3                                        | 4       | 5                | 6                                                 | 7                           | 8      | 9                                                  | 10     | 11                  | 12            |
|          | 1  |                 |   |                                          | 56.33   | 48.10            | 37.54                                             | 8.24                        | 13.74  | 14.11                                              | 7.89   | 18.96               |               |
|          | 2  |                 |   |                                          | 58.00   | 46.81            | 38.26                                             | 11.59                       | 11.38  | 11.07                                              | 7.30   | 13.85               |               |
|          | 3  |                 |   |                                          | 73.32   | 82.85            | 26.05                                             | 14.91                       | 10.45  | 10.42                                              | 7.88   | 11.63               |               |
|          | 4  |                 |   |                                          | 68.08   | 134.50           | 30.73                                             | 12.57                       | 8.59   | 9.44                                               | 11.07  | 10.59               |               |
|          | 5  |                 |   |                                          | 64.18   | 117.80           | 26.40                                             | 10.72                       | 8.19   | 8.88                                               | 7.96   | 16.35               |               |
| 半旬平均     |    |                 |   |                                          | 63.98   | 86.01            | 31.89                                             | 11.61                       | 10.47  | 10.78                                              | 8.42   | 14.28               |               |
|          | 6  |                 |   |                                          | 75.04   | 89.01            | 21.76                                             | 9.28                        | 8.57   | 22.54                                              | 8.77   | 34.04               |               |
|          | 7  |                 |   |                                          | 65.11   | 107.28           | 19.88                                             | 8.19                        | 7.45   | 19.22                                              | 7.60   | 21.84               |               |
|          | 8  |                 |   |                                          | 73.60   | 104.12           | 20.43                                             | 7.81                        | 6.95   | 13.22                                              | 7.05   | 22.61               |               |
|          | 9  |                 |   |                                          | 71.00   | 83.43            | 19.16                                             | 7.18                        | 6.66   | 28.00                                              | 7.32   | 30.76               |               |
|          | 10 |                 |   |                                          | 56.95   | 74.13            | 16.69                                             | 9.56                        | 6.63   | 27.83                                              | 7.87   | 22.05               |               |
| 半旬平均     |    |                 |   |                                          | 68.34   | 91.59            | 19.58                                             | 8.40                        | 7.25   | 22.16                                              | 7.72   | 26.26               |               |
|          | 11 |                 |   |                                          | 44.70   | 87.73            | 15.14                                             | 10.23                       | 5.58   | 30.65                                              | 8.69   | 16.66               |               |
|          | 12 |                 |   |                                          | 34.40   | 88.19            | 14.24                                             | 8.11                        | 5.32   | 22.45                                              | 10.76  | 17.18               |               |
|          | 13 |                 |   |                                          | 39.10   | 85.94            | 16.20                                             | 7.05                        | 5.23   | 17.45                                              | 8.44   | 28.92               |               |
|          | 14 |                 |   |                                          | 82.56   | 81.85            | 14.47                                             | 6.70                        | 5.25   | 14.71                                              | 7.87   | 31.67               |               |
|          | 15 |                 |   |                                          | 95.79   | 70.62            | 12.64                                             | 6.37                        | 5.30   | 12.78                                              | 7.13   | 43.08               |               |
| 半旬平均     |    |                 |   |                                          | 59.31   | 82.87            | 14.54                                             | 7.69                        | 5.34   | 19.61                                              | 8.58   | 27.50               |               |
|          | 16 |                 |   |                                          | 59.02   | 70.65            | 11.61                                             | 6.72                        | 5.51   | 11.86                                              | 6.91   | 36.28               |               |
|          | 17 |                 |   |                                          | 62.48   | 85.26            | 16.89                                             | 6.51                        | 15.49  | 45.44                                              | 6.82   | 26.36               |               |
|          | 18 |                 |   |                                          | 140.12  | 69.07            | 26.10                                             | 6.54                        | 19.38  | 26.94                                              | 7.62   | 24.93               |               |
|          | 19 |                 |   |                                          | 80.95   | 65.78            | 16.10                                             | 28.98                       | 8.85   | 20.54                                              | 6.70   | 31.38               |               |
|          | 20 |                 |   |                                          | 75.82   | 64.04            | 13.78                                             | 18.93                       | 22.75  | 16.84                                              | 8.74   | 33.75               |               |
| 半旬平均     |    |                 |   |                                          | 83.68   | 70.96            | 16.90                                             | 13.54                       | 14.40  | 24.32                                              | 7.36   | 30.54               |               |
|          | 21 |                 |   |                                          | 101.98  | 61.78            | 12.35                                             | 11.56                       | 31.69  | 13.53                                              | 9.04   | 29.57               |               |
|          | 22 |                 |   |                                          | 117.23  | 61.43            | 11.32                                             | 9.89                        | 66.17  | 11.71                                              | 8.55   | 23.28               |               |
|          | 23 |                 |   |                                          | 125.00  | 56.02            | 10.29                                             | 8.95                        | 79.57  | 10.99                                              | 10.15  | 19.68               |               |
|          | 24 |                 |   |                                          | 99.26   | 49.21            | 9.88                                              | 7.81                        | 45.73  | 10.52                                              | 9.07   | 16.79               |               |
|          | 25 |                 |   |                                          | 84.08   | 49.27            | 13.50                                             | 6.91                        | 28.75  | 9.53                                               | 8.32   | 14.67               |               |
| 半旬平均     |    |                 |   |                                          | 105.51  | 56.54            | 12.47                                             | 9.02                        | 50.38  | 11.26                                              | 9.33   | 20.80               |               |
|          | 26 |                 |   |                                          | 75.74   | 46.93            | 13.64                                             | 6.33                        | 19.75  | 8.97                                               | 9.24   | 13.30               |               |
|          | 27 |                 |   |                                          | 70.06   | 42.20            | 12.37                                             | 8.62                        | 15.52  | 8.56                                               | 10.90  | 13.31               |               |
|          | 28 |                 |   |                                          | 70.44   | 36.57            | 10.05                                             | 21.18                       | 12.75  | 9.66                                               | 9.44   | 13.61               |               |
|          | 29 |                 |   |                                          | 74.37   | 34.25            | 9.13                                              | 34.40                       | 11.25  | 9.37                                               | 10.50  | 12.59               |               |
|          | 30 |                 |   |                                          | 63.32   | 29.73            | 8.50                                              | 37.82                       | 10.79  | 8.50                                               | 9.32   | 11.61               |               |
|          | 31 |                 |   |                                          |         | 31.21            |                                                   | 19.35                       | 24.60  |                                                    | 19.05  |                     |               |
| 半旬平均     |    |                 |   |                                          | 70.79   | 36.82            | 10.73                                             | 21.28                       | 15.78  | 9.01                                               | 11.41  | 12.88               |               |
| 月合計      |    |                 |   |                                          | 2258.03 | 2155.76          | 525.10                                            | 379.01                      | 533.84 | 485.73                                             | 273.97 | 661.30              |               |
| 月平均      |    |                 |   |                                          | 75.27   | 68.54            | 17.50                                             | 12.23                       | 17.22  | 16.19                                              | 8.84   | 22.04               |               |
| 比流量      |    |                 |   |                                          | 18.92   | 17.48            | 4.40                                              | 3.07                        | 4.33   | 4.07                                               | 2.22   | 5.54                |               |
| 総流出量×10  |    |                 |   |                                          | 195.09  | 186.26           | 45.37                                             | 32.75                       | 46.12  | 41.97                                              | 23.67  | 57.14               |               |
| 総流出高(mm) |    |                 |   |                                          | 490     | 468              | 114                                               | 82                          | 116    | 106                                                | 60     | 144                 |               |
| 流域面積     |    | Km <sup>2</sup> |   | 年最大(ピーク)流量<br>m <sup>3</sup> /s<br>397.8 |         |                  | 年最小流量<br>m <sup>3</sup> /s<br>5.23 ( 8月16日 8時20分) |                             |        | 年総流出量<br>×10 <sup>6</sup> m <sup>3</sup><br>628.37 |        | 年総流出高<br>mm<br>1580 |               |
| 観測方法     |    | 流速計             |   | 観測機関<br>北海道                              |         | 観測開始年<br>昭和 45 年 |                                                   | # 日流量の月最大値を示す。θ 日流量の月最小を示す。 |        |                                                    |        |                     |               |
|          |    |                 |   |                                          |         |                  |                                                   |                             |        |                                                    |        |                     | 水研様式 流量-8 (改) |



## 日 流 量 年 表

| 番 号      | 209.28          | 水 系 堀株川 |                      | 河 川 堀株川 |                   | 観測所 堀株川共和 |                |        |                   | 平成 28 ( 2016 ) 年 |                             |    |                                 |  |       |  |    |  |
|----------|-----------------|---------|----------------------|---------|-------------------|-----------|----------------|--------|-------------------|------------------|-----------------------------|----|---------------------------------|--|-------|--|----|--|
| 日        | 1               | 2       | 3                    | 4       | 5                 | 6         | 7              | 8      | 9                 | 10               | 11                          | 12 |                                 |  |       |  |    |  |
| 1        |                 |         |                      | 22.38   | 10.92             | 2.14      | 1.16           | 4.73   | 2.64              | 1.49             | 7.06                        |    |                                 |  |       |  |    |  |
| 2        |                 |         |                      | 22.51   | 9.61              | 2.23      | 3.60           | 3.00   | 2.46              | 1.42             | 4.70                        |    |                                 |  |       |  |    |  |
| 3        |                 |         |                      | 29.27   | 12.74             | 2.02      | 8.61           | 2.49   | 2.25              | 1.61             | 3.97                        |    |                                 |  |       |  |    |  |
| 4        |                 |         |                      | 26.37   | 18.50             | 3.14      | 8.45           | 2.58   | 2.11              | 2.73             | 3.77                        |    |                                 |  |       |  |    |  |
| 5        |                 |         |                      | 24.22   | 16.00             | 2.46      | 5.16           | 2.40   | 1.93              | 1.67             | 8.28                        |    |                                 |  |       |  |    |  |
| 半旬平均     |                 |         |                      | 24.95   | 13.35             | 2.49      | 5.40           | 3.04   | 2.28              | 1.78             | 5.56                        |    |                                 |  |       |  |    |  |
| 6        |                 |         |                      | 28.68   | 13.27             | 1.95      | 4.14           | 2.19   | 6.99              | 1.77             | 14.37                       |    |                                 |  |       |  |    |  |
| 7        |                 |         |                      | 23.55   | 14.42             | 1.67      | 3.24           | 2.01   | 4.97              | 1.59             | 7.64                        |    |                                 |  |       |  |    |  |
| 8        |                 |         |                      | 24.42   | 13.46             | 2.13      | 2.87           | 1.84   | 3.29              | 1.72             | 7.39                        |    |                                 |  |       |  |    |  |
| 9        |                 |         |                      | 21.77   | 10.89             | 2.01      | 2.62           | 1.76   | 7.41              | 2.12             | 9.22                        |    |                                 |  |       |  |    |  |
| 10       |                 |         |                      | 16.90   | 9.03              | 1.77      | 3.71           | 1.57   | 6.60              | 2.55             | 6.94                        |    |                                 |  |       |  |    |  |
| 半旬平均     |                 |         |                      | 23.66   | 12.21             | 1.91      | 3.32           | 1.87   | 5.85              | 2.32             | 9.11                        |    |                                 |  |       |  |    |  |
| 11       |                 |         |                      | 13.09   | 11.34             | 1.46      | 3.07           | 1.46   | 5.76              | 3.07             | 5.73                        |    |                                 |  |       |  |    |  |
| 12       |                 |         |                      | 10.71   | 15.32             | 1.31      | 2.44           | 1.40   | 4.25              | 3.13             | 6.96                        |    |                                 |  |       |  |    |  |
| 13       |                 |         |                      | 12.12   | 11.93             | 1.84      | 2.14           | 1.02   | 3.38              | 2.54             | 12.31                       |    |                                 |  |       |  |    |  |
| 14       |                 |         |                      | 24.00   | 9.67              | 1.65      | 1.83           | 0.71   | 2.85              | 2.45             | 11.26                       |    |                                 |  |       |  |    |  |
| 15       |                 |         |                      | 28.15   | 7.49              | 1.48      | 1.59           | 0.74   | 2.58              | 2.21             | 13.34                       |    |                                 |  |       |  |    |  |
| 半旬平均     |                 |         |                      | 17.61   | 11.15             | 1.55      | 2.21           | 1.07   | 3.76              | 2.68             | 9.92                        |    |                                 |  |       |  |    |  |
| 16       |                 |         |                      | 19.01   | 6.58              | 1.34      | 1.53           | 0.94   | 2.39              | 2.16             | 10.45                       |    |                                 |  |       |  |    |  |
| 17       |                 |         |                      | 20.23   | 6.12              | 2.80      | 1.50           | 2.62   | 6.84              | 2.20             | 7.89                        |    |                                 |  |       |  |    |  |
| 18       |                 |         |                      | 37.39   | 4.96              | 7.15      | 1.47           | 1.77   | 4.11              | 2.35             | 7.32                        |    |                                 |  |       |  |    |  |
| 19       |                 |         |                      | 24.91   | 4.44              | 4.04      | 10.34          | 0.77   | 3.31              | 2.11             | 8.97                        |    |                                 |  |       |  |    |  |
| 20       |                 |         |                      | 21.71   | 3.85              | 2.66      | 8.34           | 10.48  | 2.83              | 3.09             | 9.22                        |    |                                 |  |       |  |    |  |
| 半旬平均     |                 |         |                      | 24.65   | 5.19              | 3.60      | 4.64           | 3.32   | 3.90              | 2.38             | 8.77                        |    |                                 |  |       |  |    |  |
| 21       |                 |         |                      | 25.88   | 3.34              | 2.23      | 4.77           | 9.59   | 2.44              | 2.61             | 7.84                        |    |                                 |  |       |  |    |  |
| 22       |                 |         |                      | 28.17   | 2.95              | 1.72      | 3.42           | 28.09  | 2.20              | 2.95             | 6.75                        |    |                                 |  |       |  |    |  |
| 23       |                 |         |                      | 26.74   | 2.59              | 1.49      | 2.66           | 38.28  | 2.15              | 3.89             | 5.77                        |    |                                 |  |       |  |    |  |
| 24       |                 |         |                      | 22.38   | 2.25              | 1.37      | 2.26           | 14.96  | 2.01              | 2.95             | 5.16                        |    |                                 |  |       |  |    |  |
| 25       |                 |         |                      | 20.02   | 2.17              | 3.27      | 2.14           | 7.30   | 1.85              | 2.58             | 4.79                        |    |                                 |  |       |  |    |  |
| 半旬平均     |                 |         |                      | 24.64   | 2.66              | 2.33      | 3.05           | 19.64  | 2.13              | 3.30             | 6.06                        |    |                                 |  |       |  |    |  |
| 26       |                 |         |                      | 17.71   | 1.93              | 3.83      | 1.90           | 5.46   | 1.77              | 3.07             | 4.22                        |    |                                 |  |       |  |    |  |
| 27       |                 |         |                      | 15.64   | 1.70              | 3.25      | 3.30           | 3.39   | 1.64              | 3.06             | 4.29                        |    |                                 |  |       |  |    |  |
| 28       |                 |         |                      | 14.58   | 1.45              | 2.36      | 9.96           | 2.75   | 1.86              | 2.75             | 4.30                        |    |                                 |  |       |  |    |  |
| 29       |                 |         |                      | 15.27   | 1.43              | 1.83      | 18.20          | 2.44   | 1.65              | 3.86             | 3.98                        |    |                                 |  |       |  |    |  |
| 30       |                 |         |                      | 13.89   | 1.25              | 1.38      | 17.95          | 2.83   | 1.52              | 3.10             | 3.60                        |    |                                 |  |       |  |    |  |
| 31       |                 |         |                      |         | 1.76              |           | 8.51           | 3.22   |                   | 7.71             |                             |    |                                 |  |       |  |    |  |
| 半旬平均     |                 |         |                      | 15.42   | 1.59              | 2.53      | 9.97           | 3.35   | 1.69              | 3.93             | 4.08                        |    |                                 |  |       |  |    |  |
| 月合計      |                 |         |                      | 651.67  | 233.36            | 69.98     | 152.88         | 164.79 | 98.04             | 82.51            | 217.49                      |    |                                 |  |       |  |    |  |
| 月平均      |                 |         |                      | 21.22   | 7.53              | 2.33      | 4.93           | 5.32   | 3.27              | 2.66             | 7.25                        |    |                                 |  |       |  |    |  |
| 比流量      |                 |         |                      | 15.98   | 5.54              | 1.71      | 3.63           | 3.91   | 2.41              | 1.96             | 5.33                        |    |                                 |  |       |  |    |  |
| 総流出量×10  |                 |         |                      | 56.30   | 20.16             | 6.05      | 13.21          | 14.24  | 8.47              | 7.13             | 18.79                       |    |                                 |  |       |  |    |  |
| 総流出高(mm) |                 |         |                      | 414     | 148               | 45        | 97             | 105    | 62                | 52               | 138                         |    |                                 |  |       |  |    |  |
| 流域面積     | Km <sup>2</sup> |         | 年最大(ピーク)流量           |         | m <sup>3</sup> /s |           | 年最小流量          |        | m <sup>3</sup> /s |                  | 年総流出量                       |    | ×10 <sup>3</sup> m <sup>3</sup> |  | 年総流出高 |  | mm |  |
|          | 135.9           |         | 73.66 ( 8月23日 9時40分) |         | 0.62              |           | ( 8月20日 6時30分) |        | 144.35            |                  | 1062                        |    |                                 |  |       |  |    |  |
| 観測方法     | 流速計             |         | 観測機関                 |         | 北海道               |           | 観測開始年          |        | 昭和 46 年           |                  | # 日流量の月最大値を示す。θ 日流量の月最小を示す。 |    | 水研様式 流量-8 (改)                   |  |       |  |    |  |
|          |                 |         |                      |         |                   |           |                |        |                   |                  |                             |    |                                 |  |       |  |    |  |



日 流 量 年 表

番 号 212.28

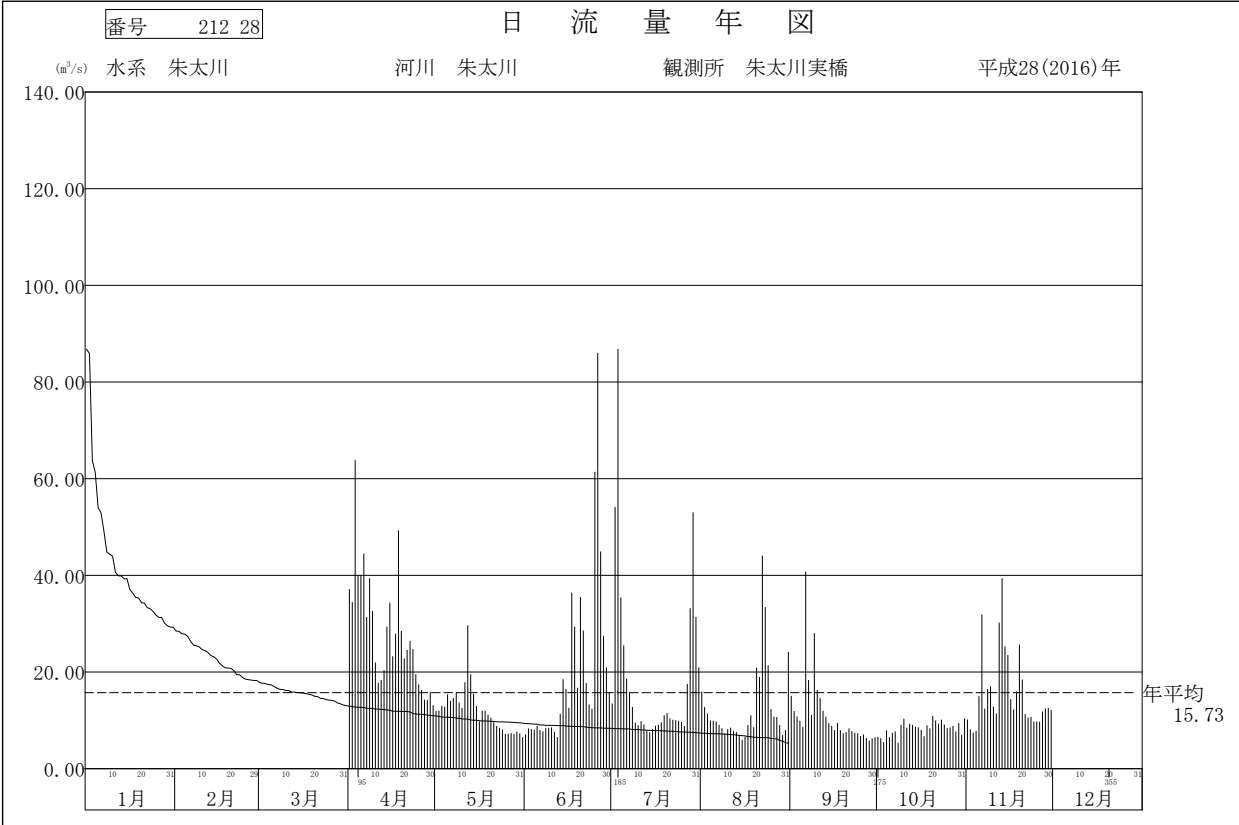
水 系 朱太川

河 川 朱太川

観測所 朱太川実橋

平成 28 ( 2016 ) 年

| 日        | 1                     | 2 | 3                            | 4      | 5                       | 6      | 7                                     | 8      | 9                           | 10     | 11            | 12 |
|----------|-----------------------|---|------------------------------|--------|-------------------------|--------|---------------------------------------|--------|-----------------------------|--------|---------------|----|
| 1        |                       |   |                              | 37.03  | 11.84                   | 7.00   | 13.40                                 | 15.85  | 14.97                       | 6.49   | 10.07         |    |
| 2        |                       |   |                              | 34.36  | 11.90                   | 8.24   | 54.04                                 | 12.66  | 11.83                       | 6.21   | 8.00          |    |
| 3        |                       |   | #                            | 63.74  | 12.90                   | 8.10   | #                                     | 86.75  | 11.27                       | 10.71  | 5.39          | @  |
| 4        |                       |   |                              | 39.90  | 12.74                   | 7.96   | 35.32                                 | 9.87   | 9.81                        | 7.83   | 7.75          |    |
| 5        |                       |   |                              | 39.88  | 15.27                   | 8.74   | 25.44                                 | 9.84   | 8.52                        | 6.44   | 14.90         |    |
| 半旬平均     |                       |   |                              | 42.98  | 12.93                   | 8.03   | 42.99                                 | 11.90  | 11.17                       | 6.37   | 9.61          |    |
| 6        |                       |   |                              | 44.40  | 13.96                   | 7.90   | 18.54                                 | 9.67   | 40.65                       | 7.30   | 31.81         |    |
| 7        |                       |   |                              | 31.28  | 14.51                   | 7.62   | 15.70                                 | 8.96   | 18.24                       | 7.60   | 12.32         |    |
| 8        |                       |   |                              | 39.30  | 15.55                   | 8.29   | 12.69                                 | 8.27   | 11.01                       | 5.28   | 16.40         |    |
| 9        |                       |   |                              | 32.55  | 13.57                   | 8.34   | 9.43                                  | 7.18   | 27.92                       | 8.96   | 16.96         |    |
| 10       |                       |   |                              | 21.85  | 12.46                   | 8.44   | 8.91                                  | 8.10   | 16.17                       | 10.24  | 12.71         |    |
| 半旬平均     |                       |   |                              | 38.88  | 14.01                   | 8.12   | 13.05                                 | 8.44   | 22.80                       | 7.88   | 18.04         |    |
| 11       |                       |   |                              | 17.69  | 17.78                   | 7.53   | 9.71                                  | 8.38   | 14.56                       | 8.39   | 11.31         |    |
| 12       |                       |   |                              | 18.24  | 29.57                   | 6.43   | 9.04                                  | 7.74   | 11.88                       | 9.20   | 30.12         |    |
| 13       |                       |   |                              | 20.28  | 19.42                   | 11.25  | 7.78                                  | 7.46   | 10.65                       | 8.97   | 39.29         |    |
| 14       |                       |   |                              | 29.30  | 15.38                   | 18.41  | 7.40                                  | 6.79   | 9.27                        | 8.58   | 25.20         |    |
| 15       |                       |   |                              | 34.25  | 12.87                   | 16.37  | 8.10                                  | #      | 8.73                        | 8.45   | 23.42         |    |
| 半旬平均     |                       |   |                              | 23.95  | 19.00                   | 12.00  | 8.11                                  | 7.24   | 11.02                       | 8.72   | 25.87         |    |
| 16       |                       |   |                              | 23.16  | 9.69                    | 12.49  | 8.78                                  | 6.51   | 7.87                        | 7.93   | 14.29         |    |
| 17       |                       |   |                              | 27.85  | 11.88                   | 36.32  | 8.97                                  | 8.92   | 9.33                        | 6.63   | 12.16         |    |
| 18       |                       |   |                              | 49.19  | 11.85                   | 29.27  | 9.50                                  | 10.93  | 7.88                        | 8.85   | 15.85         |    |
| 19       |                       |   |                              | 28.41  | 11.08                   | 16.64  | 10.96                                 | 8.48   | 7.24                        | 8.24   | 25.58         |    |
| 20       |                       |   |                              | 22.71  | 10.42                   | 35.43  | 11.40                                 | 20.76  | 7.47                        | #      | 10.82         |    |
| 半旬平均     |                       |   |                              | 30.26  | 10.98                   | 26.03  | 9.92                                  | 11.12  | 7.96                        | 8.49   | 17.24         |    |
| 21       |                       |   |                              | 24.45  | 9.51                    | 28.48  | 10.29                                 | 18.87  | 8.23                        | 9.87   | 11.19         |    |
| 22       |                       |   |                              | 26.35  | 8.73                    | 17.59  | 10.02                                 | 43.97  | 7.68                        | 9.22   | 10.47         |    |
| 23       |                       |   |                              | 24.64  | 8.36                    | 13.16  | 9.93                                  | 33.32  | 7.34                        | 10.04  | 10.61         |    |
| 24       |                       |   |                              | 19.44  | 8.02                    | 12.29  | 9.78                                  | 21.29  | 7.22                        | 9.04   | 9.63          |    |
| 25       |                       |   |                              | 17.33  | 7.11                    | 61.32  | 9.57                                  | 12.22  | 6.64                        | 8.29   | 9.69          |    |
| 半旬平均     |                       |   |                              | 22.44  | 8.35                    | 26.37  | 9.92                                  | 25.82  | 7.42                        | 7.77   | 10.32         |    |
| 26       |                       |   |                              | 16.18  | 7.14                    | 85.92  | 8.71                                  | 10.64  | 6.98                        | 8.44   | 9.62          |    |
| 27       |                       |   |                              | 14.18  | 7.26                    | 44.83  | 17.42                                 | 10.59  | 6.25                        | 8.75   | 11.73         |    |
| 28       |                       |   |                              | 14.14  | 7.06                    | 27.41  | 33.10                                 | 8.91   | 5.72                        | 7.59   | 12.34         |    |
| 29       |                       |   |                              | 15.75  | 7.54                    | 20.87  | 52.92                                 | 6.83   | 6.16                        | 9.31   | 12.48         |    |
| 30       |                       |   | @                            | 13.05  | 7.22                    | 15.64  | 31.29                                 | 7.86   | 6.41                        | 6.88   | 12.06         |    |
| 31       |                       |   |                              |        | 6.42                    |        | 20.83                                 | 24.05  |                             | 10.29  |               |    |
| 半旬平均     |                       |   |                              | 14.66  | 7.11                    | 38.93  | 27.38                                 | 11.48  | 6.30                        | 8.34   | 11.65         |    |
| 月合計      |                       |   |                              | 840.88 | 369.01                  | 598.28 | 585.72                                | 392.03 | 333.34                      | 255.52 | 463.64        |    |
| 月平均      |                       |   |                              | 28.03  | 11.90                   | 19.94  | 18.89                                 | 12.65  | 11.11                       | 8.24   | 15.45         |    |
| 比流量      |                       |   |                              | 7.75   | 3.29                    | 5.51   | 5.22                                  | 3.50   | 3.07                        | 2.28   | 4.27          |    |
| 総流出量×10  |                       |   |                              | 72.65  | 31.88                   | 51.69  | 50.61                                 | 33.87  | 28.80                       | 22.08  | 40.06         |    |
| 総流出高(mm) |                       |   |                              | 201    | 88                      | 143    | 140                                   | 94     | 80                          | 61     | 111           |    |
| 流域面積     | 361.7 Km <sup>2</sup> |   | 年最大(ピーク)流量 m <sup>3</sup> /s |        | 年最小流量 m <sup>3</sup> /s |        | 年総流出量 ×10 <sup>8</sup> m <sup>3</sup> |        | 年総流出高 mm                    |        |               |    |
|          |                       |   | 208.59 ( 7月 3日 1時 0分)        |        | 4.35 ( 6月 6日 5時30分)     |        | 331.64                                |        | 917                         |        |               |    |
| 観測方法     | 流速計                   |   | 観測機関                         | 北海道    |                         | 観測開始年  | 昭和 54 年                               |        | # 日流量の月最大値を示す。@ 日流量の月最小を示す。 |        | 水研様式 流量-8 (改) |    |



日 流 量 年 表

番 号 □ 213 28

水 系 朝里川

河 川 朝里川

観測所 文治沢

平成 28 ( 2016 ) 年

| 日        | 1      | 2      | 3          | 4       | 5       | 6      | 7       | 8      | 9                           | 10     | 11            | 12     |      |
|----------|--------|--------|------------|---------|---------|--------|---------|--------|-----------------------------|--------|---------------|--------|------|
| 1        | 1.440  | 1.020  | 1.060      | 3.530   | 5.070   | 4.110  | 1.200   | 1.340  | 2.540                       | 1.400  | 1.750         | 1.700  |      |
| 2        | 1.460  | 1.020  | 1.030      | 3.370   | 4.680   | 4.250  | 1.260   | 1.270  | 2.040                       | 1.390  | 1.490         | 1.830  |      |
| 3        | 1.410  | 0.990  | 1.020      | 3.930   | 6.330   | 3.380  | 1.270   | 1.110  | 1.830                       | 1.400  | 1.460         | 1.800  |      |
| 4        | 1.380  | 1.020  | 1.040      | 4.520   | 10.740  | 3.210  | 1.260   | 1.050  | 1.680                       | 1.440  | 1.390         | 1.810  |      |
| 5        | 1.380  | 1.010  | 1.000      | 5.780   | 11.640  | 2.970  | 1.230   | 1.010  | 1.500                       | 1.350  | 2.350         | 1.880  |      |
| 半旬平均     | 1.411  | 1.012  | 1.030      | 4.226   | 7.692   | 3.584  | 1.244   | 1.156  | 1.918                       | 1.396  | 1.688         | 1.804  |      |
| 6        | 1.360  | 1.020  | 1.080      | 6.460   | 9.690   | 2.570  | 1.210   | 0.980  | 2.110                       | 1.450  | 3.660         | 1.870  |      |
| 7        | 1.350  | 0.990  | 1.720      | 5.800   | 10.330  | 2.370  | 1.190   | 0.970  | 2.260                       | 1.390  | 2.240         | 1.770  |      |
| 8        | 1.360  | 1.000  | 1.720      | 6.530   | 10.480  | 2.280  | 1.200   | 0.920  | 1.990                       | 1.360  | 2.080         | 1.720  |      |
| 9        | 1.340  | 1.010  | 1.650      | 6.640   | 8.700   | 2.160  | 1.200   | 0.930  | 2.980                       | 1.350  | 2.390         | 1.710  |      |
| 10       | 1.330  | 1.000  | 1.460      | 5.470   | 7.440   | 2.080  | 1.320   | 0.900  | 4.120                       | 1.330  | 2.370         | 1.680  |      |
| 半旬平均     | 1.338  | 1.004  | 1.526      | 6.180   | 9.328   | 2.292  | 1.224   | 0.940  | 2.692                       | 1.376  | 2.548         | 1.750  |      |
| 11       | 1.330  | 0.990  | 1.380      | 4.290   | 8.370   | 1.980  | 1.320   | 0.910  | 6.290                       | 1.340  | 2.210         | 1.660  |      |
| 12       | 1.320  | 0.990  | 1.290      | 3.190   | 8.690   | 1.890  | 1.250   | 0.910  | 4.510                       | 1.320  | 2.160         | 1.610  |      |
| 13       | 1.290  | 1.060  | 1.220      | 3.070   | 8.140   | 1.880  | 1.220   | 0.900  | 3.210                       | 1.280  | 3.240         | 1.610  |      |
| 14       | 1.190  | 1.220  | 1.180      | 5.480   | 8.070   | 1.810  | 1.200   | 0.870  | 2.480                       | 1.290  | 4.130         | 1.570  |      |
| 15       | 1.110  | 1.260  | 1.210      | 7.530   | 7.030   | 1.720  | 1.200   | 0.860  | 2.280                       | 1.260  | 6.700         | 1.540  |      |
| 半旬平均     | 1.238  | 1.104  | 1.256      | 4.712   | 8.060   | 1.856  | 1.238   | 0.890  | 3.754                       | 1.298  | 3.688         | 1.598  |      |
| 16       | 1.090  | 1.230  | 1.290      | 5.780   | 6.480   | 1.640  | 1.190   | 0.900  | 2.090                       | 1.270  | 5.630         | 1.530  |      |
| 17       | 1.080  | 1.170  | 1.900      | 5.670   | 7.860   | 1.940  | 1.200   | 2.550  | 7.140                       | 1.150  | 3.740         | 1.530  |      |
| 18       | 1.060  | 1.120  | 2.370      | 8.430   | 7.230   | 2.240  | 1.180   | 1.990  | 5.430                       | 1.060  | 3.220         | 1.520  |      |
| 19       | 1.110  | 1.110  | 2.880      | 7.370   | 6.590   | 1.930  | 1.600   | 1.450  | 3.770                       | 1.020  | 3.930         | 1.410  |      |
| 20       | 1.060  | 1.120  | 2.560      | 6.210   | 6.330   | 1.740  | 1.370   | 1.320  | 2.850                       | 1.410  | 4.880         | 1.230  |      |
| 半旬平均     | 1.080  | 1.150  | 2.290      | 6.692   | 6.898   | 1.898  | 1.308   | 1.642  | 4.256                       | 1.382  | 4.280         | 1.444  |      |
| 21       | 1.070  | 1.140  | 1.950      | 7.770   | 6.130   | 1.640  | 1.270   | 1.370  | 2.330                       | 1.470  | 4.480         | 1.110  |      |
| 22       | 1.080  | 1.090  | 1.720      | 9.560   | 6.050   | 1.510  | 1.240   | 2.500  | 2.070                       | 1.530  | 3.510         | 1.120  |      |
| 23       | 1.050  | 1.080  | 1.570      | 10.610  | 5.770   | 1.450  | 1.230   | 6.820  | 1.930                       | 1.670  | 2.780         | 1.170  |      |
| 24       | 1.080  | 1.090  | 1.500      | 9.770   | 5.380   | 1.330  | 1.210   | 6.270  | 1.830                       | 1.430  | 2.300         | 1.170  |      |
| 25       | 1.040  | 1.050  | 1.440      | 8.020   | 5.290   | 1.400  | 1.180   | 3.670  | 1.720                       | 1.310  | 2.070         | 1.140  |      |
| 半旬平均     | 1.074  | 1.090  | 1.636      | 9.144   | 5.724   | 1.426  | 1.226   | 4.126  | 1.976                       | 1.382  | 3.028         | 1.142  |      |
| 26       | 1.050  | 1.050  | 1.400      | 7.040   | 5.200   | 1.510  | 1.180   | 2.580  | 1.650                       | 1.350  | 1.890         | 1.180  |      |
| 27       | 1.040  | 1.030  | 1.540      | 6.420   | 4.790   | 1.540  | 1.090   | 2.100  | 1.620                       | 1.300  | 1.800         | 1.270  |      |
| 28       | 1.030  | 1.040  | 1.820      | 6.260   | 4.500   | 1.430  | 1.090   | 1.830  | 1.650                       | 1.250  | 1.810         | 1.230  |      |
| 29       | 1.010  | 1.050  | 2.000      | 6.680   | 4.180   | 1.300  | 1.170   | 1.450  | 1.750                       | 1.360  | 1.720         | 1.200  |      |
| 30       | 1.020  |        | 2.700      | 6.030   | 3.810   | 1.220  | 1.060   | 1.510  | 1.520                       | 1.240  | 1.640         | 1.140  |      |
| 31       | 1.020  |        | 3.130      |         | 3.640   |        | 1.010   | 3.750  |                             | 1.780  |               | 1.130  |      |
| 半旬平均     | 1.028  | 1.043  | 2.098      | 6.486   | 4.353   | 1.408  | 1.100   | 2.203  | 1.638                       | 1.380  | 1.772         | 1.192  |      |
| 月合計      | 36.940 | 30.970 | 50.830     | 187.210 | 214.630 | 62.480 | 37.800  | 56.990 | 81.170                      | 41.950 | 85.020        | 45.840 |      |
| 月平均      | 1.192  | 1.068  | 1.640      | 6.240   | 6.924   | 2.083  | 1.219   | 1.838  | 2.706                       | 1.353  | 2.834         | 1.479  |      |
| 比流量      | 2.346  | 2.102  | 3.228      | 12.283  | 13.630  | 4.100  | 2.400   | 3.618  | 5.327                       | 2.663  | 5.579         | 2.911  |      |
| 総流出量×10  | 3.192  | 2.676  | 4.392      | 16.175  | 18.544  | 5.398  | 3.266   | 4.924  | 7.013                       | 3.624  | 7.346         | 3.961  |      |
| 総流出高(mm) | 63     | 53     | 86         | 318     | 365     | 106    | 64      | 97     | 138                         | 71     | 145           | 78     |      |
| 流域面積     | 50.8   |        | 年最大(ピーク)流量 |         | 11.640  |        | 年最小流量   |        | 0.860                       |        | 年総流出量         |        | 1585 |
|          |        |        | (5月5日)     |         |         |        | (8月15日) |        |                             |        | 80.511        |        |      |
| 観測方法     | 観測機関   |        | 北海道        |         | 観測開始年   |        | 昭和 54 年 |        | # 日流量の月最大値を示す。θ 日流量の月最小を示す。 |        | 水研様式 流量-8 (改) |        |      |

番号 □ 213 28

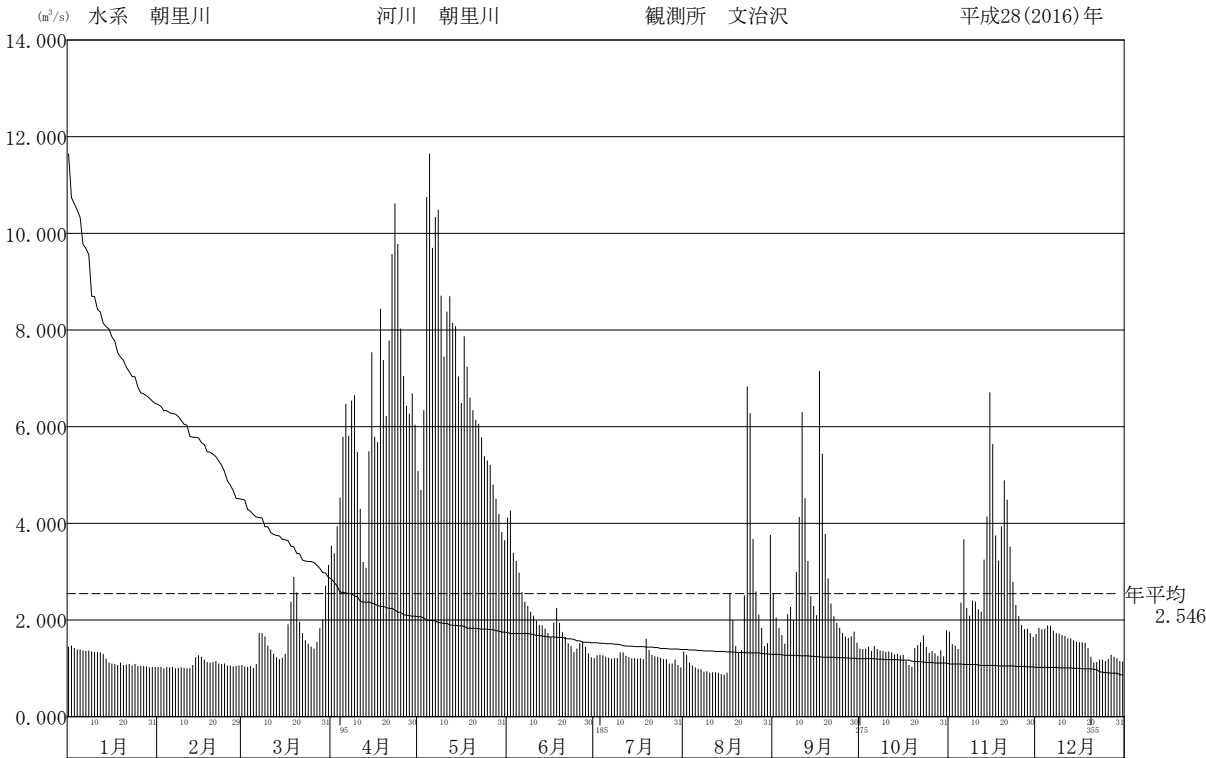
日 流 量 年 図

水系 朝里川

河川 朝里川

観測所 文治沢

平成28(2016)年



日 流 量 年 表

番 号 215 28

水 系 余市川

河 川 余市川

観測所 余市川都

平成 28 ( 2016 ) 年

| n        | 1               | 2 | 3          | 4       | 5                 | 6       | 7       | 8       | 9                 | 10     | 11                          | 12 |               |
|----------|-----------------|---|------------|---------|-------------------|---------|---------|---------|-------------------|--------|-----------------------------|----|---------------|
| 1        |                 |   |            | 19.83   | 22.47             | # 21.65 | 5.86    | 4.61    | 9.18              | 5.30   | 8.48                        |    |               |
| 2        |                 |   |            | 19.60   | 23.46             | 21.04   | 6.20    | 4.11    | 7.68              | 4.76   | 7.48                        |    |               |
| 3        |                 |   |            | 23.68   | 61.74             | 15.91   | 7.00    | 4.03    | 6.97              | 4.56   | 6.26                        |    |               |
| 4        |                 |   |            | 22.40   | # 115.77          | 16.36   | 7.19    | 3.29    | 6.26              | 5.86   | # 6.18                      |    |               |
| 5        |                 |   |            | 20.81   | 96.69             | 16.01   | 6.14    | 3.53    | 5.33              | 4.73   | 8.67                        |    |               |
| 半旬平均     |                 |   |            | 21.26   | 64.03             | 18.19   | 6.48    | 3.91    | 7.08              | 5.04   | 7.41                        |    |               |
| 6        |                 |   |            | 27.72   | 66.44             | 13.48   | 5.24    | 3.71    | 11.87             | 5.39   | 14.67                       |    |               |
| 7        |                 |   |            | 24.42   | 87.46             | 12.09   | 5.13    | 3.14    | 10.72             | 4.86   | 12.17                       |    |               |
| 8        |                 |   |            | 28.11   | 88.17             | 11.52   | 4.63    | 2.80    | 8.52              | # 4.01 | 12.03                       |    |               |
| 9        |                 |   |            | 27.97   | 64.81             | 10.54   | 4.17    | 2.81    | 14.14             | 4.39   | 14.88                       |    |               |
| 10       |                 |   |            | 22.83   | 55.40             | 10.56   | 5.10    | 3.03    | 15.87             | 5.09   | 13.06                       |    |               |
| 半旬平均     |                 |   |            | 26.21   | 72.46             | 11.64   | 4.85    | 3.10    | 12.22             | 4.75   | 13.36                       |    |               |
| 11       |                 |   |            | 17.33   | 71.24             | 9.84    | 5.29    | 2.84    | # 17.56           | 5.54   | 10.40                       |    |               |
| 12       |                 |   |            | 14.14   | 71.17             | 8.52    | 4.33    | 2.57    | 13.99             | 5.96   | 10.60                       |    |               |
| 13       |                 |   | #          | 14.05   | 75.99             | 9.02    | 3.92    | 2.45    | 11.55             | 5.23   | 14.24                       |    |               |
| 14       |                 |   |            | 37.43   | 73.37             | 8.47    | 3.81    | 2.23    | 9.90              | 5.18   | 15.34                       |    |               |
| 15       |                 |   |            | 42.82   | 56.21             | 8.14    | 4.05    | # 2.17  | 9.08              | 4.78   | # 21.26                     |    |               |
| 半旬平均     |                 |   |            | 25.15   | 69.60             | 8.80    | 4.28    | 2.45    | 12.42             | 5.34   | 14.37                       |    |               |
| 16       |                 |   |            | 23.85   | 58.28             | 7.08    | 4.25    | 2.35    | 8.52              | 4.47   | 18.88                       |    |               |
| 17       |                 |   |            | 28.37   | 77.42             | 10.33   | 3.93    | 8.08    | 17.47             | 4.25   | 15.20                       |    |               |
| 18       |                 |   |            | 72.36   | 56.29             | 13.42   | 3.94    | 6.47    | 12.79             | 4.78   | 13.47                       |    |               |
| 19       |                 |   |            | 37.07   | 52.49             | 8.68    | # 13.32 | 3.50    | 11.72             | 4.18   | 15.27                       |    |               |
| 20       |                 |   |            | 37.14   | 48.59             | 7.48    | 8.05    | 4.09    | 10.58             | 5.22   | 18.67                       |    |               |
| 半旬平均     |                 |   |            | 39.76   | 58.61             | 9.40    | 6.70    | 4.90    | 12.22             | 4.88   | 16.30                       |    |               |
| 21       |                 |   |            | 58.99   | 44.99             | 7.60    | 5.78    | 9.65    | 9.44              | 5.57   | 17.02                       |    |               |
| 22       |                 |   |            | 75.70   | 43.88             | 7.16    | 5.31    | 26.77   | 8.00              | 4.98   | 13.44                       |    |               |
| 23       |                 |   | #          | 84.87   | 36.37             | 6.43    | 4.95    | # 32.65 | 7.25              | 5.54   | 12.29                       |    |               |
| 24       |                 |   |            | 62.90   | 30.82             | 6.11    | 4.31    | 19.45   | 6.90              | 5.22   | 10.23                       |    |               |
| 25       |                 |   |            | 52.90   | 30.81             | 6.29    | 3.87    | 12.86   | 6.10              | 4.99   | 9.05                        |    |               |
| 半旬平均     |                 |   |            | 67.07   | 37.37             | 6.72    | 4.84    | 20.26   | 7.64              | 5.22   | 12.41                       |    |               |
| 26       |                 |   |            | 41.59   | 28.13             | 7.27    | # 3.49  | 10.17   | 6.00              | 5.61   | 8.43                        |    |               |
| 27       |                 |   |            | 39.70   | 24.76             | 7.30    | 3.98    | 9.02    | 5.44              | 6.23   | 7.58                        |    |               |
| 28       |                 |   |            | 38.48   | 21.38             | 6.51    | 6.36    | 7.77    | 5.94              | 5.55   | 7.52                        |    |               |
| 29       |                 |   |            | 37.11   | 20.16             | 6.39    | 9.27    | 6.86    | 5.95              | 5.86   | 7.74                        |    |               |
| 30       |                 |   |            | 29.66   | 17.63             | # 5.88  | 6.91    | 6.51    | 5.46              | 5.74   | 7.33                        |    |               |
| 31       |                 |   |            |         | 18.22             |         | 5.52    | 16.31   |                   | # 7.95 |                             |    |               |
| 半旬平均     |                 |   |            | 37.31   | 21.71             | 6.67    | 5.92    | 9.44    | 5.76              | 6.16   | 7.72                        |    |               |
| 月合計      |                 |   |            | 1083.83 | 1640.61           | 307.08  | 171.30  | 229.83  | 286.18            | 161.78 | 357.84                      |    |               |
| 月平均      |                 |   |            | 36.13   | 52.92             | 10.24   | 5.53    | 7.41    | 9.54              | 5.22   | 11.93                       |    |               |
| 比流量      |                 |   |            | 16.73   | 24.50             | 4.74    | 2.56    | 3.43    | 4.42              | 2.42   | 5.52                        |    |               |
| 総流出量×10  |                 |   |            | 93.64   | 141.75            | 26.53   | 14.80   | 19.86   | 24.73             | 13.98  | 30.92                       |    |               |
| 総流出高(mm) |                 |   |            | 434     | 656               | 123     | 69      | 92      | 114               | 65     | 143                         |    |               |
| 流域面積     | Km <sup>2</sup> |   | 年最大(ピーク)流量 |         | m <sup>3</sup> /s |         | 年最小流量   |         | m <sup>3</sup> /s |        | 年総流出量                       |    | 年総流出高         |
|          | 216.0           |   | 152.64     |         | ( 5月 4日16時10分)    |         | 1.91    |         | ( 8月15日14時 0分)    |        | 366.21                      |    | 1695          |
| 観測方法     | 流速計             |   | 観測機関       |         | 北海道               |         | 観測開始年   |         | 昭和 44 年           |        | # 日流量の月最大値を示す。θ 日流量の月最小を示す。 |    | 水研様式 流量-8 (改) |

