

**13168500 BRUNEAU RIVER NEAR HOT SPRING, ID**

Middle Snake-Boise Basin  
Bruneau Subbasin

LOCATION.--Lat 42°46'16", long 115°43'13" referenced to North American Datum of 1983, in NE ¼ NE ¼ SE ¼ sec.34, T.7 S., R.6 E., Owyhee County, ID, Hydrologic Unit 17050102, Hot Springs quad., on right bank, 1 mi downstream from Hot Creek, 1.5 mi south of Hot Spring, 9 mi southeast of Bruneau, 16 mi downstream from East Fork, and at mile 22.0.

DRAINAGE AREA.--2,686 mi<sup>2</sup>, mean elevation, 5,600 ft.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 1909 to March 1915, October 1943 to current year.

REVISED RECORDS.--WSP 1063: 1913. WSP 1517: 1910(M). WSP 1567: Drainage area. WDR-US-2010: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 2,598.5 ft above NGVD of 1929. Prior to Mar. 12, 1910, nonrecording gage at site 0.2 mi upstream at different datum. Mar. 12, 1910 to Mar. 15, 1915, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry and crest stage gage. Several small reservoirs on tributaries above station. Diversions above station for irrigation of about 12,900 acres (1966 determination).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,860 ft<sup>3</sup>/s May 15, 1984, gage height, 13.03 ft; minimum, 6.9 ft<sup>3</sup>/s Oct. 31, Nov. 2, 2002, Nov. 1, 2003, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 920 ft<sup>3</sup>/s and (or) maximum (\*):

| Date                                      | Time | Discharge<br>(ft <sup>3</sup> /s) | Gage height<br>(ft) |
|-------------------------------------------|------|-----------------------------------|---------------------|
| May 15                                    | 1730 | *1,100                            | *6.44               |
| No other peak greater than base discharge |      |                                   |                     |

Minimum discharge, 23 ft<sup>3</sup>/s, Dec. 21, gage height, 4.26 ft.

## 13168500 BRUNEAU RIVER NEAR HOT SPRING, ID—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

| Day          | Oct   | Nov   | Dec   | Jan   | Feb   | Mar    | Apr    | May    | Jun    | Jul   | Aug   | Sep   |
|--------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------|-------|
| 1            | 36    | 52    | 62    | 46    | 117   | 101    | 538    | 583    | 403    | 135   | 43    | 32    |
| 2            | 36    | 52    | 63    | 46    | 117   | 111    | 610    | 549    | 382    | 125   | 42    | 33    |
| 3            | 36    | 52    | 69    | 36    | 100   | 127    | 604    | 493    | 406    | 117   | 40    | 34    |
| 4            | 36    | 52    | 70    | 37    | 99    | 153    | 614    | 491    | 474    | 109   | 40    | 36    |
| 5            | 36    | 52    | 74    | 39    | 114   | 227    | 607    | 517    | 485    | 106   | 41    | 42    |
| 6            | 37    | 52    | 87    | 56    | 117   | 212    | 593    | 529    | 495    | 106   | 41    | 50    |
| 7            | 39    | 52    | 202   | 67    | 121   | 214    | 553    | 552    | 504    | 98    | 40    | 43    |
| 8            | 40    | 52    | 183   | 78    | 116   | 194    | 511    | 588    | 524    | 91    | 39    | 39    |
| 9            | 41    | 52    | 135   | 89    | 114   | 178    | 490    | 596    | 549    | 84    | 39    | 38    |
| 10           | 42    | 52    | 105   | 89    | 105   | 160    | 443    | 626    | 531    | 80    | 39    | 39    |
| 11           | 42    | 54    | 89    | 89    | 95    | 143    | 396    | 695    | 515    | 75    | 38    | 39    |
| 12           | 42    | 55    | 87    | 82    | 93    | 141    | 417    | 800    | 478    | 72    | 36    | 38    |
| 13           | 42    | 54    | 88    | 67    | 87    | 161    | 430    | 823    | 434    | 72    | 36    | 41    |
| 14           | 43    | 58    | 86    | 63    | 116   | 259    | 433    | 957    | 386    | 69    | 36    | 52    |
| 15           | 43    | 62    | 84    | 69    | 106   | 350    | 405    | 1,050  | 345    | 66    | 35    | 55    |
| 16           | 44    | 61    | 81    | 72    | 101   | 427    | 382    | 1,030  | 308    | 65    | 35    | 47    |
| 17           | 43    | 61    | 75    | 70    | 101   | 461    | 362    | 972    | 282    | 64    | 35    | 45    |
| 18           | 43    | 60    | 81    | 60    | 103   | 460    | 341    | 871    | 259    | 60    | 34    | 43    |
| 19           | 44    | 62    | 76    | 57    | 107   | 383    | 322    | 782    | 245    | 59    | 34    | 41    |
| 20           | 45    | 67    | 46    | 57    | 104   | 330    | 317    | 680    | 240    | 58    | 34    | 40    |
| 21           | 44    | 67    | 43    | 61    | 107   | 383    | 341    | 603    | 223    | 55    | 35    | 40    |
| 22           | 45    | 63    | 86    | 62    | 102   | 622    | 356    | 573    | 205    | 53    | 35    | 40    |
| 23           | 46    | 62    | 79    | 64    | 107   | 467    | 347    | 583    | 186    | 51    | 39    | 40    |
| 24           | 47    | 62    | 80    | 69    | 102   | 352    | 334    | 544    | 173    | 49    | 38    | 39    |
| 25           | 49    | 61    | 76    | 78    | 94    | 300    | 322    | 497    | 168    | 48    | 37    | 43    |
| 26           | 49    | 61    | 65    | 94    | 89    | 298    | 325    | 476    | 172    | 47    | 36    | 47    |
| 27           | 49    | 61    | 66    | 105   | 86    | 283    | 344    | 468    | 159    | 48    | 36    | 51    |
| 28           | 49    | 61    | 76    | 97    | 92    | 303    | 405    | 471    | 152    | 47    | 34    | 52    |
| 29           | 48    | 59    | 53    | 103   | ---   | 346    | 503    | 486    | 148    | 46    | 34    | 52    |
| 30           | 51    | 61    | 55    | 103   | ---   | 386    | 571    | 467    | 141    | 45    | 34    | 50    |
| 31           | 53    | ---   | 59    | 116   | ---   | 463    | ---    | 436    | ---    | 44    | 33    | ---   |
| <b>Total</b> | 1,340 | 1,732 | 2,581 | 2,221 | 2,912 | 8,995  | 13,216 | 19,788 | 9,972  | 2,244 | 1,148 | 1,281 |
| <b>Mean</b>  | 43.2  | 57.7  | 83.3  | 71.6  | 104   | 290    | 441    | 638    | 332    | 72.4  | 37.0  | 42.7  |
| <b>Max</b>   | 53    | 67    | 202   | 116   | 121   | 622    | 614    | 1,050  | 549    | 135   | 43    | 55    |
| <b>Min</b>   | 36    | 52    | 43    | 36    | 86    | 101    | 317    | 436    | 141    | 44    | 33    | 32    |
| <b>Ac-ft</b> | 2,660 | 3,440 | 5,120 | 4,410 | 5,780 | 17,840 | 26,210 | 39,250 | 19,780 | 4,450 | 2,280 | 2,540 |

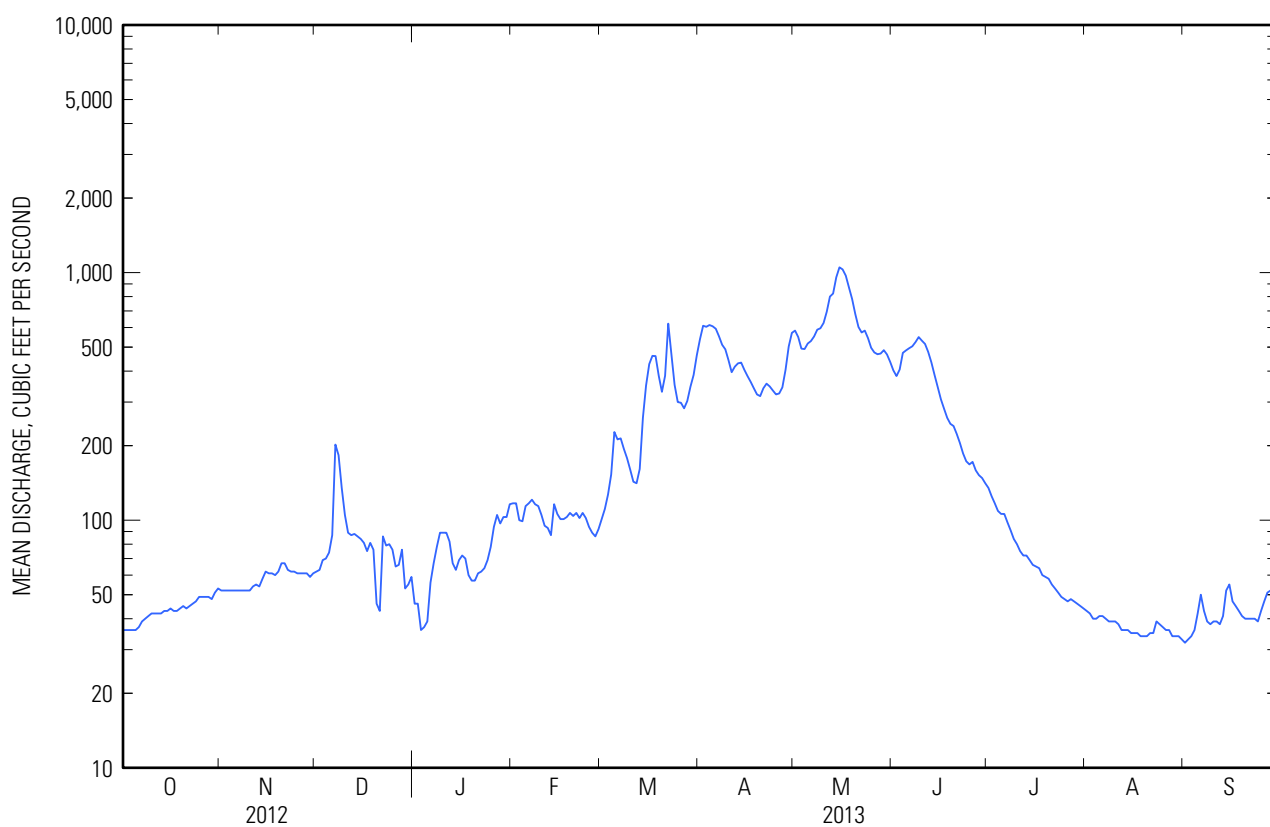
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2013, BY WATER YEAR (WY)**

|             | Oct    | Nov    | Dec    | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Mean</b> | 94.4   | 117    | 124    | 158    | 201    | 382    | 778    | 1,244  | 958    | 274    | 93.9   | 75.6   |
| <b>Max</b>  | 185    | 248    | 425    | 724    | 905    | 1,901  | 1,882  | 4,102  | 3,122  | 1,044  | 334    | 170    |
| <b>(WY)</b> | (1985) | (1910) | (1965) | (1971) | (1986) | (1910) | (1952) | (1984) | (1984) | (1984) | (1984) | (1984) |
| <b>Min</b>  | 42.8   | 57.7   | 58.7   | 71.6   | 98.2   | 119    | 196    | 277    | 97.8   | 55.3   | 31.5   | 33.2   |
| <b>(WY)</b> | (2002) | (2013) | (1991) | (2013) | (1994) | (1955) | (1968) | (1992) | (1992) | (1992) | (2001) | (2012) |

## 13168500 BRUNEAU RIVER NEAR HOT SPRING, ID—Continued

## SUMMARY STATISTICS

|                                 | Calendar Year 2012 |        | Water Year 2013 |        | Water Years 1909 - 2013 |              |
|---------------------------------|--------------------|--------|-----------------|--------|-------------------------|--------------|
| <b>Annual total</b>             | 61,807             |        | 67,430          |        |                         |              |
| <b>Annual mean</b>              | 169                |        | 185             |        | 375                     |              |
| <b>Highest annual mean</b>      |                    |        |                 |        | 1,012                   | 1984         |
| <b>Lowest annual mean</b>       |                    |        |                 |        | 113                     | 1992         |
| <b>Highest daily mean</b>       | 878                | Apr 27 | 1,050           | May 15 | 6,470                   | May 15, 1984 |
| <b>Lowest daily mean</b>        | 31                 | Aug 25 | 32              | Sep 1  | 21                      | Dec 21, 1998 |
| <b>Annual seven-day minimum</b> | 32                 | Aug 28 | 33              | Aug 28 | 28                      | Aug 26, 2001 |
| <b>Annual runoff (ac-ft)</b>    | 122,600            |        | 133,700         |        | 271,600                 |              |
| <b>10 percent exceeds</b>       | 434                |        | 507             |        | 1,090                   |              |
| <b>50 percent exceeds</b>       | 90                 |        | 80              |        | 142                     |              |
| <b>90 percent exceeds</b>       | 34                 |        | 39              |        | 63                      |              |



**13168500 BRUNEAU RIVER NEAR HOT SPRING, ID—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--December 1958 to October 1959, October 1965, December 1969 to June 1982, November 1990 to September 1991, November 1993 to September 1994, April to September 1997, April to September 2000, April 2004 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August to September 1997, July to September 2000, April 2004 to current year.

INSTRUMENTATION.--Temperature recording datalogger from December 1958 to October 1959, October 1965, December 1969 to June 1982, November 1990 to September 1991, November 1993 to September 1994, April to September 1997, April to September 2000, April 2004 to October 2004.

Electronic thermistor connected to datalogger located in orifice pipe on right bank at gage from October 2004 to current year.

REMARKS.--Records good. Records represent water temperature at thermistor within 0.2°C. Water temperature data is representational of a point in the river and not necessarily representational of mean temperature of the river cross section at that point. Water temperature during periods of extreme low air temperature may rise as a result of river flow going into storage (ice formation) and numerous hot springs just upstream of the gage contributing a higher portion of the total streamflow.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 31.7 °C Aug. 9, 2012; minimum, 0.0 °C Dec. 24, 2005.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 30.4 °C July 2 and Aug. 18; minimum, 3.7 °C Mar. 24.

## 13168500 BRUNEAU RIVER NEAR HOT SPRING, ID—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS  
 WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

| Day   | Max     | Min  | Mean | Max      | Min  | Mean | Max      | Min  | Mean | Max     | Min | Mean |
|-------|---------|------|------|----------|------|------|----------|------|------|---------|-----|------|
|       | October |      |      | November |      |      | December |      |      | January |     |      |
| 1     | 23.9    | 17.4 | 20.1 | 15.9     | 13.7 | 14.4 | 13.1     | 11.1 | 12.0 | 9.0     | 6.2 | 7.2  |
| 2     | 23.2    | 17.0 | 19.7 | 15.7     | 11.9 | 13.4 | 13.8     | 11.2 | 12.6 | 9.1     | 6.6 | 7.7  |
| 3     | 19.8    | 15.2 | 17.5 | 15.2     | 11.4 | 13.0 | 11.9     | 10.4 | 10.9 | 10.0    | 6.3 | 7.5  |
| 4     | 19.3    | 13.0 | 15.7 | 15.6     | 11.3 | 13.0 | 11.6     | 10.0 | 10.7 | 9.9     | 6.2 | 7.3  |
| 5     | 18.9    | 12.8 | 15.3 | 15.6     | 11.4 | 13.2 | 13.1     | 11.5 | 12.0 | 9.9     | 6.7 | 7.5  |
| 6     | 18.1    | 12.0 | 14.7 | 16.1     | 11.5 | 13.3 | 12.2     | 9.3  | 11.1 | 8.4     | 5.9 | 7.0  |
| 7     | 17.6    | 11.1 | 13.9 | 16.2     | 11.9 | 13.7 | 9.3      | 7.8  | 8.3  | 7.1     | 5.5 | 6.2  |
| 8     | 17.4    | 10.8 | 13.6 | 14.8     | 12.5 | 13.3 | 7.9      | 7.0  | 7.3  | 7.2     | 5.5 | 6.0  |
| 9     | 17.7    | 11.3 | 14.0 | 13.3     | 10.5 | 12.0 | 7.8      | 6.8  | 7.1  | 6.5     | 5.1 | 5.7  |
| 10    | 18.1    | 11.6 | 14.4 | 11.3     | 8.9  | 9.9  | 8.5      | 6.9  | 7.6  | 6.5     | 3.9 | 5.3  |
| 11    | 18.8    | 12.2 | 15.0 | 10.6     | 7.4  | 8.7  | 9.3      | 7.3  | 8.2  | 6.3     | 4.5 | 5.1  |
| 12    | 19.5    | 13.6 | 15.9 | 8.8      | 7.0  | 7.9  | 9.6      | 8.6  | 9.0  | 6.7     | 4.6 | 5.2  |
| 13    | 19.8    | 15.2 | 16.9 | 11.2     | 8.1  | 9.5  | 9.2      | 8.3  | 8.8  | 7.3     | 5.1 | 6.0  |
| 14    | 20.0    | 14.6 | 16.9 | 10.5     | 9.4  | 10.0 | 9.6      | 8.3  | 8.8  | 7.6     | 5.6 | 6.3  |
| 15    | 20.8    | 15.9 | 17.8 | 11.9     | 9.6  | 10.4 | 9.5      | 8.2  | 8.6  | 7.3     | 5.3 | 6.2  |
| 16    | 19.2    | 15.3 | 17.6 | 12.1     | 9.8  | 10.8 | 9.1      | 8.0  | 8.5  | 6.6     | 5.0 | 5.5  |
| 17    | 18.1    | 13.1 | 15.1 | 12.4     | 10.2 | 11.3 | 10.2     | 8.5  | 9.2  | 6.7     | 5.1 | 5.6  |
| 18    | 17.4    | 11.9 | 14.3 | 12.9     | 11.5 | 12.0 | 8.5      | 5.9  | 7.3  | 7.1     | 5.3 | 6.0  |
| 19    | 16.2    | 12.3 | 14.2 | 13.2     | 11.2 | 12.2 | 7.1      | 5.3  | 6.1  | 7.4     | 5.2 | 6.0  |
| 20    | 17.8    | 14.2 | 15.5 | 13.2     | 12.2 | 12.7 | 8.8      | 6.1  | 7.1  | 7.6     | 5.2 | 5.8  |
| 21    | 17.1    | 12.9 | 14.5 | 13.5     | 11.4 | 12.6 | 11.0     | 5.7  | 7.8  | 7.3     | 5.1 | 5.7  |
| 22    | 14.2    | 12.4 | 13.4 | 12.1     | 9.9  | 10.8 | 8.1      | 4.8  | 5.9  | 7.3     | 4.9 | 5.7  |
| 23    | 13.2    | 11.8 | 12.5 | 11.1     | 8.9  | 9.8  | 6.8      | 4.9  | 6.1  | 7.2     | 5.1 | 5.9  |
| 24    | 12.0    | 9.7  | 11.0 | 11.5     | 8.6  | 9.8  | 7.2      | 5.5  | 6.2  | 7.5     | 5.8 | 6.4  |
| 25    | 13.0    | 9.7  | 11.0 | 11.4     | 9.3  | 10.4 | 6.8      | 5.1  | 6.0  | 7.7     | 5.9 | 6.3  |
| 26    | 12.5    | 8.8  | 10.6 | 10.4     | 8.1  | 9.1  | 7.8      | 6.2  | 7.0  | 7.6     | 4.7 | 6.0  |
| 27    | 12.4    | 8.9  | 10.7 | 9.9      | 7.6  | 8.5  | 8.6      | 5.4  | 7.1  | 6.3     | 4.7 | 5.2  |
| 28    | 14.8    | 10.6 | 12.4 | 10.6     | 7.5  | 9.1  | 7.3      | 5.4  | 6.0  | 6.7     | 4.7 | 5.5  |
| 29    | 16.7    | 12.3 | 13.9 | 11.8     | 9.2  | 10.4 | 9.5      | 5.7  | 7.4  | 6.9     | 5.2 | 5.7  |
| 30    | 17.0    | 12.5 | 14.3 | 12.4     | 10.8 | 11.6 | 8.6      | 6.5  | 7.4  | 7.3     | 5.1 | 5.8  |
| 31    | 15.4    | 12.4 | 14.0 | ---      | ---  | ---  | 8.4      | 6.0  | 6.9  | 6.6     | 4.6 | 5.5  |
| Month | 23.9    | 8.8  | 14.7 | 16.2     | 7.0  | 11.2 | 13.8     | 4.8  | 8.2  | 10.0    | 3.9 | 6.1  |

## 13168500 BRUNEAU RIVER NEAR HOT SPRING, ID—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

| Day   | Max      | Min | Mean | Max   | Min  | Mean | Max   | Min  | Mean | Max  | Min  | Mean |
|-------|----------|-----|------|-------|------|------|-------|------|------|------|------|------|
|       | February |     |      | March |      |      | April |      |      | May  |      |      |
| 1     | 6.9      | 4.7 | 5.4  | 11.5  | 8.6  | 9.6  | 12.5  | 11.5 | 11.9 | 12.4 | 9.1  | 10.4 |
| 2     | 6.9      | 4.7 | 5.4  | 11.7  | 8.9  | 10.1 | 13.3  | 10.6 | 11.7 | 13.2 | 8.8  | 10.8 |
| 3     | 6.7      | 4.9 | 5.8  | 12.2  | 9.1  | 10.7 | 13.7  | 10.9 | 12.2 | 14.1 | 10.2 | 11.9 |
| 4     | 6.9      | 5.3 | 6.1  | 11.1  | 7.3  | 8.8  | 12.9  | 11.5 | 12.3 | 14.0 | 11.6 | 12.8 |
| 5     | 7.3      | 5.0 | 5.8  | 7.3   | 5.8  | 6.4  | 13.0  | 11.2 | 12.0 | 15.3 | 11.8 | 13.4 |
| 6     | 7.3      | 4.8 | 5.7  | 9.2   | 5.7  | 7.1  | 12.4  | 11.0 | 11.6 | 16.1 | 12.6 | 14.3 |
| 7     | 6.2      | 4.7 | 5.3  | 7.7   | 5.7  | 6.8  | 11.2  | 10.4 | 10.8 | 15.9 | 13.2 | 14.5 |
| 8     | 6.2      | 5.1 | 5.5  | 10.2  | 6.4  | 7.7  | 10.7  | 8.8  | 9.8  | 16.6 | 13.5 | 14.8 |
| 9     | 7.3      | 5.0 | 5.6  | 9.8   | 7.0  | 8.0  | 10.3  | 7.4  | 8.8  | 18.0 | 13.8 | 15.5 |
| 10    | 8.2      | 5.0 | 6.0  | 10.3  | 6.9  | 8.3  | 10.5  | 7.9  | 9.2  | 18.6 | 14.8 | 16.5 |
| 11    | 8.2      | 5.5 | 6.2  | 11.6  | 8.3  | 9.7  | 12.2  | 9.0  | 10.5 | 18.5 | 15.1 | 16.6 |
| 12    | 8.0      | 5.2 | 6.4  | 13.4  | 9.4  | 10.9 | 12.9  | 9.6  | 11.2 | 16.9 | 15.0 | 15.9 |
| 13    | 9.1      | 6.0 | 7.0  | 13.3  | 10.0 | 11.4 | 12.8  | 10.9 | 11.8 | 17.4 | 15.0 | 16.1 |
| 14    | 8.6      | 5.3 | 6.8  | 12.3  | 10.0 | 11.1 | 10.9  | 9.2  | 10.0 | 17.2 | 14.8 | 16.0 |
| 15    | 10.4     | 6.9 | 8.1  | 12.1  | 10.1 | 10.9 | 10.8  | 7.9  | 9.1  | 16.0 | 14.0 | 15.2 |
| 16    | 10.9     | 7.3 | 8.8  | 11.2  | 9.3  | 10.3 | 8.8   | 7.2  | 8.0  | 15.3 | 13.5 | 13.9 |
| 17    | 10.4     | 7.5 | 8.7  | 10.6  | 8.3  | 9.4  | 9.7   | 6.5  | 7.9  | 14.2 | 12.7 | 13.4 |
| 18    | 9.5      | 6.9 | 8.0  | 8.8   | 6.8  | 7.7  | 10.7  | 6.8  | 8.5  | 15.0 | 12.5 | 13.4 |
| 19    | 8.9      | 6.8 | 7.7  | 8.5   | 6.0  | 7.2  | 10.5  | 8.7  | 9.5  | 15.0 | 12.3 | 13.4 |
| 20    | 9.2      | 6.4 | 7.8  | 10.5  | 7.5  | 8.6  | 13.5  | 10.0 | 11.4 | 15.7 | 12.1 | 13.6 |
| 21    | 8.3      | 5.5 | 7.1  | 10.1  | 8.0  | 9.1  | 14.3  | 10.7 | 12.3 | 16.3 | 12.9 | 14.3 |
| 22    | 9.5      | 6.9 | 8.0  | 8.0   | 5.5  | 6.7  | 13.2  | 11.0 | 12.1 | 15.1 | 12.7 | 13.8 |
| 23    | 8.9      | 7.3 | 8.1  | 5.8   | 4.1  | 5.0  | 12.6  | 9.5  | 11.0 | 14.7 | 11.5 | 12.8 |
| 24    | 9.8      | 6.4 | 7.7  | 6.9   | 3.7  | 5.1  | 13.5  | 9.5  | 11.4 | 15.2 | 11.1 | 12.9 |
| 25    | 8.5      | 6.5 | 7.2  | 8.1   | 5.0  | 6.2  | 14.1  | 10.3 | 12.0 | 16.5 | 12.0 | 14.0 |
| 26    | 9.6      | 6.4 | 7.6  | 9.6   | 6.6  | 7.8  | 15.7  | 11.8 | 13.4 | 16.6 | 13.9 | 15.2 |
| 27    | 9.7      | 6.7 | 7.8  | 11.4  | 8.1  | 9.4  | 16.7  | 12.9 | 14.7 | 15.4 | 13.7 | 14.6 |
| 28    | 10.5     | 6.8 | 8.4  | 12.8  | 9.2  | 10.7 | 17.1  | 14.4 | 15.6 | 16.0 | 13.5 | 14.5 |
| 29    | ---      | --- | ---  | 13.3  | 10.2 | 11.6 | 15.7  | 13.4 | 14.6 | 15.6 | 13.1 | 14.0 |
| 30    | ---      | --- | ---  | 13.8  | 10.6 | 11.9 | 13.4  | 10.4 | 11.9 | 16.0 | 12.6 | 14.0 |
| 31    | ---      | --- | ---  | 13.4  | 10.5 | 11.9 | ---   | ---  | ---  | 16.4 | 12.8 | 14.5 |
| Month | 10.9     | 4.7 | 6.9  | 13.8  | 3.7  | 8.9  | 17.1  | 6.5  | 11.2 | 18.6 | 8.8  | 14.1 |

## 13168500 BRUNEAU RIVER NEAR HOT SPRING, ID—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

| Day   | Max  | Min  | Mean | Max  | Min  | Mean | Max    | Min  | Mean | Max       | Min  | Mean |
|-------|------|------|------|------|------|------|--------|------|------|-----------|------|------|
|       | June |      |      | July |      |      | August |      |      | September |      |      |
| 1     | 18.3 | 13.6 | 15.8 | 30.0 | 24.8 | 27.0 | 29.4   | 23.1 | 25.8 | 28.4      | 21.8 | 24.8 |
| 2     | 19.4 | 15.6 | 17.3 | 30.4 | 24.8 | 27.3 | 28.2   | 21.6 | 24.5 | 27.6      | 23.9 | 25.4 |
| 3     | 19.3 | 16.0 | 17.4 | 29.3 | 25.8 | 27.2 | 28.8   | 21.2 | 24.6 | 26.6      | 23.8 | 24.8 |
| 4     | 19.5 | 15.9 | 17.5 | 28.5 | 24.3 | 25.8 | 29.6   | 21.7 | 25.2 | 28.8      | 23.0 | 25.4 |
| 5     | 20.0 | 15.7 | 17.7 | 26.6 | 23.2 | 24.8 | 29.5   | 22.0 | 25.5 | 27.2      | 23.3 | 25.0 |
| 6     | 20.5 | 16.6 | 18.4 | 27.8 | 22.3 | 24.6 | 29.5   | 22.8 | 25.8 | 27.3      | 22.5 | 24.4 |
| 7     | 21.1 | 17.2 | 19.0 | 28.6 | 22.2 | 25.0 | 29.2   | 22.6 | 25.7 | 27.3      | 20.4 | 23.5 |
| 8     | 20.7 | 17.7 | 19.0 | 28.4 | 23.2 | 25.4 | 29.7   | 23.5 | 25.9 | 27.2      | 20.8 | 23.6 |
| 9     | 21.5 | 17.6 | 19.3 | 29.1 | 22.8 | 25.5 | 30.2   | 22.7 | 26.0 | 26.8      | 20.1 | 23.0 |
| 10    | 21.2 | 18.4 | 19.6 | 29.0 | 23.0 | 25.8 | 30.1   | 23.0 | 26.2 | 27.1      | 20.2 | 23.2 |
| 11    | 21.1 | 18.4 | 19.5 | 26.2 | 23.6 | 24.9 | 29.8   | 23.7 | 26.3 | 26.9      | 20.1 | 23.3 |
| 12    | 20.6 | 17.7 | 19.0 | 28.7 | 21.6 | 24.7 | 28.7   | 23.1 | 25.6 | 27.1      | 22.1 | 24.1 |
| 13    | 18.7 | 16.0 | 17.2 | 26.9 | 21.1 | 23.8 | 29.3   | 23.0 | 25.7 | 26.8      | 22.1 | 24.0 |
| 14    | 18.6 | 14.8 | 16.5 | 28.0 | 21.0 | 24.2 | 29.9   | 22.4 | 25.9 | 27.0      | 21.5 | 23.8 |
| 15    | 19.6 | 15.0 | 17.2 | 28.7 | 22.0 | 25.1 | 30.1   | 22.3 | 25.9 | 26.4      | 20.7 | 23.1 |
| 16    | 21.2 | 16.8 | 18.8 | 27.9 | 23.8 | 25.8 | 30.1   | 22.6 | 26.1 | 26.8      | 20.5 | 23.3 |
| 17    | 23.1 | 18.6 | 20.6 | 29.9 | 23.3 | 26.1 | 28.7   | 22.6 | 25.7 | 24.0      | 20.0 | 21.7 |
| 18    | 23.9 | 19.9 | 21.4 | 29.9 | 22.7 | 26.0 | 30.4   | 23.1 | 26.3 | 22.7      | 18.4 | 20.1 |
| 19    | 20.8 | 17.3 | 19.1 | 29.8 | 22.7 | 26.0 | 29.0   | 23.6 | 26.2 | 22.9      | 16.0 | 19.1 |
| 20    | 20.4 | 16.0 | 18.0 | 29.6 | 23.3 | 26.2 | 28.9   | 23.0 | 25.8 | 21.7      | 16.0 | 18.5 |
| 21    | 19.9 | 16.8 | 17.9 | 29.4 | 22.9 | 26.0 | 26.5   | 24.0 | 24.9 | 20.9      | 16.8 | 18.5 |
| 22    | 21.0 | 16.0 | 18.1 | 29.2 | 22.3 | 25.5 | 28.4   | 23.0 | 25.4 | 20.5      | 17.0 | 18.4 |
| 23    | 22.3 | 17.1 | 19.5 | 29.1 | 22.3 | 25.5 | 28.2   | 22.7 | 25.2 | 22.8      | 16.6 | 19.1 |
| 24    | 20.8 | 19.2 | 19.9 | 26.0 | 23.5 | 24.7 | 26.8   | 22.3 | 24.4 | 19.4      | 17.7 | 18.4 |
| 25    | 21.2 | 18.0 | 19.4 | 30.0 | 22.9 | 25.9 | 26.5   | 21.5 | 23.9 | 19.2      | 16.2 | 17.4 |
| 26    | 23.8 | 18.6 | 20.9 | 29.1 | 23.0 | 25.8 | 28.2   | 21.5 | 24.5 | 16.7      | 14.8 | 15.7 |
| 27    | 26.3 | 19.8 | 22.7 | 30.0 | 24.1 | 26.6 | 29.0   | 21.7 | 25.1 | 17.9      | 13.7 | 15.6 |
| 28    | 27.8 | 21.9 | 24.6 | 29.4 | 23.1 | 26.0 | 28.3   | 23.3 | 25.6 | 19.2      | 14.6 | 16.7 |
| 29    | 29.1 | 23.5 | 25.8 | 29.6 | 22.7 | 25.8 | 29.6   | 23.2 | 25.9 | 17.5      | 16.0 | 16.6 |
| 30    | 29.8 | 23.9 | 26.5 | 29.4 | 22.2 | 25.7 | 27.9   | 22.0 | 24.8 | 17.8      | 15.8 | 16.7 |
| 31    | ---  | ---  | ---  | 30.2 | 22.6 | 26.1 | 28.5   | 21.4 | 24.6 | ---       | ---  | ---  |
| Month | 29.8 | 13.6 | 19.5 | 30.4 | 21.0 | 25.6 | 30.4   | 21.2 | 25.5 | 28.8      | 13.7 | 21.2 |

|      | Max  | Min | Mean |
|------|------|-----|------|
| Year | 30.4 | 3.7 | 14.5 |