

06630465 MEDICINE BOW RIVER ABOVE EAST FORK MEDICINE BOW RIVER, NEAR ELK MOUNTAIN, WY

North Platte Basin
Medicine Bow Subbasin

LOCATION.--Lat 41°32'52", long 106°24'35" referenced to North American Datum of 1983, in SW ¼ SW ¼ NE ¼ sec.8, T.18 N., R.80 W., Carbon County, WY, Hydrologic Unit 10180004, on left bank 100 ft downstream from the diversion into Highland Ditch, 2 mi downstream of Turpin Creek, 0.7 mi upstream of East Fork Medicine Bow River, and 10.5 mi south of Elk Mountain, WY.

DRAINAGE AREA.--46.3 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 2011 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,990 ft above NGVD of 1929, from topographic map. U.S. Geological Survey data collection platform with satellite telemetry at station.

REMARKS.--Records fair. Result of discharge measurement made during the period when the station was not in operation is listed in the following table:

| Additional Discharge Measurements | |
|--------------------------------------|---------------------------------------|
| Date | Discharge, in ft ³ /sec |
| May 23 | 138 |

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,300 ft³/s, June 30, 2011, gage height, 7.08 ft; minimum daily discharge, 9.2 ft³/s, September 30, 2011.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,300 ft³/s, June 30, gage height, 7.08 ft; minimum daily discharge, 9.2 ft³/s, September 30.

06630465 MEDICINE BOW RIVER ABOVE EAST FORK MEDICINE BOW RIVER, NEAR ELK MOUNTAIN, WY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|--------|--------|-------|-------|
| 1 | --- | --- | --- | --- | --- | --- | --- | --- | 226 | 925 | 196 | 16 |
| 2 | --- | --- | --- | --- | --- | --- | --- | --- | 337 | 796 | 141 | 14 |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | 383 | 762 | 116 | 14 |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | 359 | 707 | 131 | 13 |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | 439 | 714 | 99 | 13 |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | 557 | 597 | 81 | 13 |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | 631 | 617 | 69 | 19 |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | 544 | 825 | 59 | 19 |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | 544 | 757 | 52 | 16 |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | 514 | 654 | 47 | 16 |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | 552 | 585 | 43 | 15 |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | 725 | 604 | 39 | 15 |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | 711 | 740 | 36 | 15 |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | 723 | 612 | 35 | 16 |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | 737 | 521 | 32 | 20 |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | 861 | 458 | 29 | 21 |
| 17 | --- | --- | --- | --- | --- | --- | --- | --- | 1,020 | 473 | 27 | 18 |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | 842 | 469 | 24 | 21 |
| 19 | --- | --- | --- | --- | --- | --- | --- | --- | 871 | 589 | 22 | 17 |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | 822 | 439 | 22 | 15 |
| 21 | --- | --- | --- | --- | --- | --- | --- | --- | 724 | 348 | 21 | 14 |
| 22 | --- | --- | --- | --- | --- | --- | --- | --- | 774 | 276 | 20 | 13 |
| 23 | --- | --- | --- | --- | --- | --- | --- | --- | 850 | 248 | 19 | 12 |
| 24 | --- | --- | --- | --- | --- | --- | --- | 149 | 808 | 217 | 18 | 11 |
| 25 | --- | --- | --- | --- | --- | --- | --- | 145 | 940 | 197 | 18 | 11 |
| 26 | --- | --- | --- | --- | --- | --- | --- | 163 | 869 | 200 | 20 | 10 |
| 27 | --- | --- | --- | --- | --- | --- | --- | 171 | 879 | 209 | 21 | 9.7 |
| 28 | --- | --- | --- | --- | --- | --- | --- | 131 | 870 | 169 | 18 | 9.6 |
| 29 | --- | --- | --- | --- | --- | --- | --- | 148 | 923 | 149 | 20 | 9.4 |
| 30 | --- | --- | --- | --- | --- | --- | --- | 220 | 1,020 | 130 | 18 | 9.2 |
| 31 | --- | --- | --- | --- | --- | --- | --- | 202 | --- | 121 | 16 | --- |
| Total | --- | --- | --- | --- | --- | --- | --- | --- | 21,055 | 15,108 | 1,509 | 434.9 |
| Mean | --- | --- | --- | --- | --- | --- | --- | --- | 702 | 487 | 48.7 | 14.5 |
| Max | --- | --- | --- | --- | --- | --- | --- | --- | 1,020 | 925 | 196 | 21 |
| Min | --- | --- | --- | --- | --- | --- | --- | --- | 226 | 121 | 16 | 9.2 |
| Ac-ft | --- | --- | --- | --- | --- | --- | --- | --- | 41,760 | 29,970 | 2,990 | 863 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2011 - 2011, BY WATER YEAR (WY)

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|------|------|------|------|------|------|------|------|--------|--------|--------|--------|
| Mean | --- | --- | --- | --- | --- | --- | --- | --- | 702 | 487 | 48.7 | 14.5 |
| Max | --- | --- | --- | --- | --- | --- | --- | --- | 702 | 487 | 48.7 | 14.5 |
| (WY) | (--- | (--- | (--- | (--- | (--- | (--- | (--- | (--- | (2011) | (2011) | (2011) | (2011) |
| Min | --- | --- | --- | --- | --- | --- | --- | --- | 702 | 487 | 48.7 | 14.5 |
| (WY) | (--- | (--- | (--- | (--- | (--- | (--- | (--- | (--- | (2011) | (2011) | (2011) | (2011) |

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