

## GREEN RIVER BASIN

1

## 09267500 MOSBY CANAL NEAR LAPOINT, UT

LOCATION.--Lat 40°36'30", long 109°53'00", in sec. 27, T. 2 S., R. 18 E., Uintah County, Hydrologic Unit 14060002, on left bank 4.5 mi southeast of Paradise Park Reservoir, 8 mi downstream from diversion from Dry Fork, and 16 mi northwest of Lapoint.

PERIOD OF RECORD.--July 1954 to September 2003 (discontinued). Seasonal records only since October 1984.

GAGE.--Water-stage recorder and 4 ft Parshall flume control. Elevation of gage is 9,500 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. No flow is assumed November through April. Canal began diverting in 1942 or 1943 from Dry Fork for irrigation in Deep Creek basin. Since 1975 flow regulated by Julius Park Reservoir, capacity 200 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 46 ft<sup>3</sup>/s, Jul 19, 1995; no flow for extended periods each year.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

| DAY   | OCT | NOV | DEC | JAN | FEB | MAR | APR   | MAY    | JUN   | JUL  | AUG   | SEP   |
|-------|-----|-----|-----|-----|-----|-----|-------|--------|-------|------|-------|-------|
| 1     | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 34    | 24   | 14    | 10    |
| 2     | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 34    | 17   | 13    | 9.9   |
| 3     | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 34    | 16   | 8.0   | 9.7   |
| 4     | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 34    | 16   | 5.7   | 9.5   |
| 5     | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 34    | 15   | 5.6   | 9.3   |
| 6     | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 34    | 15   | 5.6   | 9.2   |
| 7     | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 34    | 15   | 5.6   | 9.1   |
| 8     | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 34    | 15   | 5.6   | 9.0   |
| 9     | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 34    | 15   | 5.5   | 8.8   |
| 10    | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 33    | 15   | 5.5   | 8.8   |
| 11    | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 33    | 14   | 5.5   | 8.7   |
| 12    | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 33    | 14   | 5.5   | 8.6   |
| 13    | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 33    | 14   | e11   | 8.4   |
| 14    | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 33    | 14   | e22   | 8.1   |
| 15    | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 33    | 15   | e22   | 7.6   |
| 16    | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 29    | 15   | 21    | 7.2   |
| 17    | --- | --- | --- | --- | --- | --- | ---   | e0.00  | 26    | 15   | 20    | 7.0   |
| 18    | --- | --- | --- | --- | --- | --- | ---   | 7.7    | 26    | 15   | 18    | 6.7   |
| 19    | --- | --- | --- | --- | --- | --- | ---   | 9.6    | 24    | 15   | 17    | 6.4   |
| 20    | --- | --- | --- | --- | --- | --- | ---   | 12     | 24    | 14   | 15    | 6.2   |
| 21    | --- | --- | --- | --- | --- | --- | ---   | 15     | 28    | 14   | 10    | 5.8   |
| 22    | --- | --- | --- | --- | --- | --- | ---   | 20     | 28    | 14   | 8.9   | 5.6   |
| 23    | --- | --- | --- | --- | --- | --- | ---   | 22     | 24    | 14   | 6.3   | 5.6   |
| 24    | --- | --- | --- | --- | --- | --- | ---   | 22     | 25    | 14   | 2.3   | 5.6   |
| 25    | --- | --- | --- | --- | --- | --- | e0.00 | 27     | 26    | 14   | 2.1   | 5.4   |
| 26    | --- | --- | --- | --- | --- | --- | e0.00 | 36     | 26    | 14   | 2.0   | 5.2   |
| 27    | --- | --- | --- | --- | --- | --- | e0.00 | 35     | 27    | 14   | 1.9   | 5.1   |
| 28    | --- | --- | --- | --- | --- | --- | e0.00 | 35     | 29    | 13   | 6.1   | 5.1   |
| 29    | --- | --- | --- | --- | --- | --- | e0.00 | 34     | 29    | 15   | 11    | 4.9   |
| 30    | --- | --- | --- | --- | --- | --- | e0.00 | 34     | 28    | 17   | 11    | 4.7   |
| 31    | --- | --- | --- | --- | --- | --- | ---   | 34     | ---   | 16   | 10    | ---   |
| TOTAL | --- | --- | --- | --- | --- | --- | ---   | 343.30 | 903   | 467  | 302.7 | 221.2 |
| MEAN  | --- | --- | --- | --- | --- | --- | ---   | 11.1   | 30.1  | 15.1 | 9.76  | 7.37  |
| MAX   | --- | --- | --- | --- | --- | --- | ---   | 36     | 34    | 24   | 22    | 10    |
| MIN   | --- | --- | --- | --- | --- | --- | ---   | 0.00   | 24    | 13   | 1.9   | 4.7   |
| AC-FT | --- | --- | --- | --- | --- | --- | ---   | 681    | 1,790 | 926  | 600   | 439   |

e Estimated