

## GREEN RIVER BASIN

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## 09288000 Currant Creek Near Fruitland, UT

LOCATION.--Lat 40°12'01", long 110°54'25", in NE<sup>1/4</sup>SE<sup>1/4</sup>SW<sup>1/4</sup> sec. 21, T. 3 S., R. 9 W., Uintah Meridian, Wasatch County, Hydrologic Unit 14060004, on left bank 30 ft downstream from Deep Creek, 150 ft upstream from bridge on U.S. Highway 40 and 3.5 mi southwest of Fruitland.

DRAINAGE AREA.--140 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1934 to September 2003 (discontinued). Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Elevation of gage is 6,670 ft above NGVD of 1929, from topographic map. August 6, 1952 to November 8, 1966, water-stage recorder at site 150 ft downstream at datum 1.30 ft lower. See WSP 1733 for history of changes prior to August 6, 1952.

REMARKS.--Records good. Currant Creek feeder canal, constructed by the Bureau of Reclamation in 1936, diverts water from headwaters of Currant Creek to Strawberry Reservoir, from which it is diverted through Strawberry Tunnel to the Great Basin for irrigation in Strawberry Valley project. Beginning in 1962, Deep Creek was diverted intermittently into private fish ponds and entered Currant Creek 400 ft below gage. However, since approximately 1976 when the upstream pond washed out, Deep Creek has been entering Currant Creek 30 ft above gage. Flow partially regulated by Currant Creek Reservoir 15 miles upstream, beginning October 4, 1982. Total capacity, 15,670 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,260 ft<sup>3</sup>/s, May 4, 1952, gage height, 2.72 ft, site and datum then in use; maximum gage height, 5.92 ft, Jan 27, 1974, backwater from ice; minimum recorded, 3.6 ft<sup>3</sup>/s, Aug 9, 10, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 58 ft<sup>3</sup>/s, Aug 16, gage height, 1.70 ft; minimum daily discharge, 17 ft<sup>3</sup>/s, Dec 8, 9.

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	36	33	42	27	30	26	30	39	38	33	31	31
2	e36	25	44	24	30	26	38	38	38	32	32	31
3	e33	23	26	28	29	27	41	38	37	32	38	31
4	e31	26	25	27	27	28	41	40	36	32	34	31
5	e27	29	25	27	23	27	42	40	38	32	33	31
6	26	32	25	24	24	28	41	39	37	32	32	33
7	26	30	26	24	26	28	39	41	36	32	32	34
8	26	37	17	24	25	31	39	44	36	31	e33	33
9	26	35	17	25	28	33	40	43	36	31	e33	33
10	26	28	19	28	28	32	40	41	38	31	e32	37
11	26	30	22	27	27	36	40	41	36	30	e32	34
12	25	29	25	26	27	34	40	41	36	30	34	33
13	26	33	24	26	29	33	40	40	e37	30	33	33
14	27	34	25	27	29	33	39	40	e38	30	32	33
15	28	e25	25	27	29	31	39	42	e38	30	32	33
16	27	e27	23	25	29	32	39	42	e36	30	34	33
17	25	e30	26	27	32	39	42	e37	31	35	33	33
18	26	e32	23	26	27	30	39	43	e38	32	33	33
19	28	35	22	26	26	29	39	42	e37	31	32	33
20	28	44	24	27	27	30	39	42	35	31	32	33
21	27	48	24	27	28	30	39	41	34	32	32	33
22	29	35	26	28	28	30	40	41	35	32	35	33
23	30	25	24	29	28	31	40	40	34	33	35	32
24	26	26	22	29	27	31	39	40	38	32	32	32
25	27	31	24	28	29	30	39	40	36	32	32	32
26	30	30	24	28	28	31	38	39	34	32	31	34
27	25	34	26	29	27	30	38	38	34	32	31	33
28	29	36	27	29	26	28	39	38	34	32	31	33
29	26	31	27	28	---	27	39	37	33	32	31	33
30	31	35	27	29	---	28	39	38	33	32	33	33
31	32	---	28	31	---	29	---	38	---	31	31	---
TOTAL	871	948	784	837	768	931	1,174	1,248	1,083	975	1,013	984
MEAN	28.1	31.6	25.3	27.0	27.4	30.0	39.1	40.3	36.1	31.5	32.7	32.8
MAX	36	48	44	31	30	36	42	44	38	33	38	37
MIN	25	23	17	24	23	26	30	37	33	30	31	31
AC-FT	1,730	1,880	1,560	1,660	1,520	1,850	2,330	2,480	2,150	1,930	2,010	1,950

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2003, BY WATER YEAR (WY)

MEAN	33.9	33.7	31.6	31.9	32.8	36.8	49.5	60.5	60.6	41.2	38.1	38.0
MAX	53.3	52.3	53.1	49.9	48.1	60.7	84.3	117	216	84.9	69.5	64.0
(WY)	(1999)	(1999)	(1999)	(1999)	(1999)	(1986)	(1986)	(1986)	(1998)	(1998)	(1998)	(1998)
MIN	25.7	24.9	22.7	23.2	24.3	26.9	31.6	27.5	25.4	25.8	24.6	24.6
(WY)	(1989)	(1991)	(1992)	(1992)	(1989)	(1992)	(1992)	(1992)	(1992)	(1992)	(1988)	(1988)

## GREEN RIVER BASIN

09288000 Currant Creek Near Fruitland, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1986 - 2003
ANNUAL TOTAL	12,249	11,616	
ANNUAL MEAN	33.6	31.8	
HIGHEST ANNUAL MEAN			40.7
LOWEST ANNUAL MEAN			26.1
HIGHEST DAILY MEAN	62	May 20	74.6
LOWEST DAILY MEAN	17	Dec 8	12
ANNUAL SEVEN-DAY MINIMUM	21	Dec 8	19
ANNUAL RUNOFF (AC-FT)	24,300	23,040	29,510
10 PERCENT EXCEEDS	44	39	58
50 PERCENT EXCEEDS	32	32	35
90 PERCENT EXCEEDS	26	26	26

e Estimated

