

GREEN RIVER BASIN

09288000 Currant Creek Near Fruitland, UT

LOCATION.--Lat 40°12'01", long 110°54'25", in NE¹/4 SE¹/4 SW¹/4 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 mi².

PERIOD OF RECORD.--October 1934 to current year. Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Elevation of gage is 6,670 ft above sea level, 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 ft³/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 ft³/s, Aug 9, 10, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 115 ft³/s, Sep 13, gage height, 2.07 ft; minimum discharge, 12 ft³/s, Jan 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	36	29	31	30	32	35	52	e39	e37	36	37
2	39	35	29	29	33	31	37	52	e38	e37	35	38
3	35	34	31	29	33	32	43	55	e38	e36	38	37
4	32	34	31	30	33	32	43	55	e38	e36	40	37
5	31	34	32	31	33	31	43	54	e38	e36	37	37
6	31	33	31	32	32	32	44	52	e39	e37	36	37
7	32	33	32	28	33	33	46	51	e39	e37	39	37
8	32	32	32	25	30	34	47	51	e39	e38	39	38
9	32	35	32	30	26	34	44	50	e39	e38	42	40
10	34	35	32	34	30	36	43	50	e40	e38	37	39
11	38	31	30	30	32	35	42	49	e40	e38	35	38
12	34	30	32	33	31	33	44	49	e40	e38	34	35
13	33	28	32	32	32	33	44	49	e39	37	35	47
14	32	32	32	30	31	34	42	48	e39	37	35	40
15	34	32	32	31	31	31	42	47	e39	38	34	38
16	33	29	30	29	30	32	42	47	e38	37	35	38
17	32	28	29	25	30	32	42	45	e38	36	34	40
18	32	29	28	27	31	32	43	47	e39	35	34	41
19	32	32	27	31	32	34	45	47	e39	35	34	42
20	32	32	34	33	32	36	46	45	e39	36	34	42
21	33	31	32	27	32	40	46	45	e38	36	37	41
22	33	32	31	31	40	48	44	48	e38	35	37	42
23	33	32	31	32	32	39	49	41	e38	35	37	40
24	33	31	31	29	31	38	49	e40	e37	35	35	42
25	32	30	30	33	31	38	52	e39	e37	35	36	41
26	32	32	26	29	31	38	53	e40	e37	36	35	41
27	34	32	31	33	32	36	54	e39	e36	37	35	42
28	35	32	32	32	32	35	54	e38	e36	36	35	41
29	34	31	30	29	---	35	56	e39	e36	35	36	42
30	35	32	32	30	---	35	54	e38	e37	35	35	43
31	38	---	31	25	---	35	---	e39	---	36	36	---
TOTAL	1041	959	954	930	877	1068	1372	1437	1147	1128	1117	1193
MEAN	33.6	32.0	30.8	30.0	31.3	34.5	45.7	46.4	38.2	36.4	36.0	39.8
MAX	39	36	34	34	33	40	56	55	40	38	42	47
MIN	31	28	26	25	26	31	35	38	36	35	34	35
AC-FT	2060	1900	1890	1840	1740	2120	2720	2850	2280	2240	2220	2370

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2001, BY WATER YEAR (WY)

MEAN	34.6	34.2	32.3	32.3	33.3	37.6	50.4	62.7	63.7	42.3	38.8	38.5
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	1988	1988	1988

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1986 - 2001
ANNUAL TOTAL	13798	13223	
ANNUAL MEAN	37.7	36.2	41.7
HIGHEST ANNUAL MEAN			74.6
LOWEST ANNUAL MEAN			26.1
HIGHEST DAILY MEAN	52	Apr 14	1998
LOWEST DAILY MEAN	26	Dec 26	Jun 21 1998
ANNUAL SEVEN-DAY MINIMUM	30	Nov 12	Dec 22 1990
ANNUAL RUNOFF (AC-FT)	27370	26230	Dec 20 1990
10 PERCENT EXCEEDS	45	44	30240
50 PERCENT EXCEEDS	38	35	59
90 PERCENT EXCEEDS	32	30	36
			26

e Estimated