

Water-Data Report UT-2005

10155400 SPRING CREEK NEAR HEBER CITY, UT

Jordan River Basin

LOCATION.--Lat 40°30'31", long 111°26'19" referenced to North American Datum of 1927, in SE ¼ SW ¼ SE ¼ sec.36, T.3 S., R.4 E., Wasatch County, Hydrologic Unit 16020203, on left bank 260 ft upstream from State Highway 113, 5,000 ft upstream from mouth, and 1.5 mi west of State Highway 40 in Heber City.

DRAINAGE AREA.--60.8 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1993 to April 2005 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 5,500 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 336 ft³/s, Feb 10, 1999, from rating extended by computation of flow from contracted opening, gage height, 3.49 ft; minimum daily discharge, 2.8 ft³/s, Sep 21, 2000.

EXTREMES FOR CURRENT YEAR (Oct 2004 to Apr 2005).--Maximum daily discharge, 92 ft³/s, Oct 20; minimum daily discharge, 7.4 ft³/s, Mar 8.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	18	30	e13	14	14	10	13	---	---	---	---	---
2	18	28	e12	14	12	9.5	12	---	---	---	---	---
3	17	27	e12	14	12	9.1	10	---	---	---	---	---
4	18	26	e13	14	12	8.7	9.5	---	---	---	---	---
5	18	25	e13	14	13	8.2	9.3	---	---	---	---	---
6	18	25	e15	13	12	7.9	9.0	---	---	---	---	---
7	18	25	e17	13	12	7.5	8.9	---	---	---	---	---
8	20	25	e17	13	11	7.4	9.1	---	---	---	---	---
9	19	34	e16	17	15	7.9	9.8	---	---	---	---	---
10	19	37	e16	33	12	9.2	8.8	---	---	---	---	---
11	18	31	e16	41	11	9.5	8.8	---	---	---	---	---
12	17	33	e15	45	12	9.5	---	---	---	---	---	---
13	16	29	e14	e21	13	9.4	---	---	---	---	---	---
14	21	28	e15	e18	30	9.0	---	---	---	---	---	---
15	20	29	e15	e13	26	8.9	---	---	---	---	---	---
16	18	28	e16	e12	17	8.7	---	---	---	---	---	---
17	17	31	e14	e13	e11	8.5	---	---	---	---	---	---
18	27	30	e13	e15	e13	8.2	---	---	---	---	---	---
19	48	30	e12	e16	17	8.2	---	---	---	---	---	---
20	92	e26	e11	17	29	11	---	---	---	---	---	---
21	85	e21	e10	16	22	13	---	---	---	---	---	---
22	56	e23	e12	15	17	12	---	---	---	---	---	---
23	40	e19	e13	14	15	23	---	---	---	---	---	---
24	60	e18	e13	14	13	17	---	---	---	---	---	---
25	79	e20	e14	14	12	15	---	---	---	---	---	---
26	46	e19	e14	13	12	13	---	---	---	---	---	---
27	34	e16	e14	16	11	12	---	---	---	---	---	---
28	52	e16	e14	18	10	17	---	---	---	---	---	---
29	37	e14	14	19	---	22	---	---	---	---	---	---
30	33	e14	16	21	---	17	---	---	---	---	---	---
31	33	---	15	16	---	16	---	---	---	---	---	---
Total	1,032	757	434	546	416	353.3	---	---	---	---	---	---
Mean	33.3	25.2	14.0	17.6	14.9	11.4	---	---	---	---	---	---
Max	92	37	17	45	30	23	---	---	---	---	---	---
Min	16	14	10	12	10	7.4	---	---	---	---	---	---
Ac-ft	2,050	1,500	861	1,080	825	701	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	19.0	17.7	14.6	14.5	17.4	19.4	17.0	39.1	47.8	31.9	22.2	20.6
Max	33.6	25.2	19.2	17.8	26.4	33.0	23.1	60.5	90.5	47.5	30.3	34.0
(WY)	(1999)	(2005)	(1996)	(1999)	(2000)	(1997)	(1995)	(1995)	(1995)	(1998)	(2001)	(1998)
Min	9.26	9.77	8.22	7.95	10.4	11.3	8.74	28.6	29.3	8.91	12.4	6.89
(WY)	(2001)	(2003)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2002)	(1994)	(1994)	(2000)

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SUMMARY STATISTICS

	Calendar Year 2004		Water Years 1994 - 2005	
Annual total	7,656.6			
Annual mean	20.9		23.4	
Highest annual mean			30.0	1995
Lowest annual mean			17.2	2004
Highest daily mean	92	Oct 20	135	Jun 24, 2003
Lowest daily mean	4.7	Apr 3	2.8	Sep 21, 2000
Annual seven-day minimum	5.2	Apr 3	4.3	Sep 16, 2000
Annual runoff (ac-ft)	15,190		16,920	
10 percent exceeds	38		42	
50 percent exceeds	17		19	
90 percent exceeds	7.7		9.5	

