

## JORDAN RIVER BASIN

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## 10149000 SIXTH WATER CREEK ABOVE SYAR TUNNEL, NEAR SPRINGVILLE, UT

LOCATION.--Lat 40°07'05", long 111°18'50", in NE<sup>1/4</sup>NE<sup>1/4</sup>SE<sup>1/4</sup> sec. 13, T. 8 S., R. 5 E., Utah County, Hydrologic Unit 16020202, on left bank 400 ft upstream from Syar Tunnel.

DRAINAGE AREA.--15 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1998 to September 2003 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,320 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow includes water diverted from Strawberry Reservoir (capacity, 1,106,500 acre-ft) since June 30, 1973, in Colorado River Basin via Strawberry Tunnel for irrigation in vicinity of Spanish Fork.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120 ft<sup>3</sup>/s, Sep 13, 2001, gage height, 5.27 ft; minimum, 3.0 ft<sup>3</sup>/s, Mar 16, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 60 ft<sup>3</sup>/s, June 10, gage height, 4.69 ft; minimum daily discharge, 20 ft<sup>3</sup>/s, on many days.

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	21	24	24	e22	20	e21	23	24	35	34	33	33
2	24	24	24	e20	20	e21	23	27	33	34	35	32
3	26	25	24	20	20	e20	23	34	35	34	35	32
4	24	24	24	20	20	21	24	35	35	34	35	32
5	24	24	24	20	e20	21	23	34	35	33	35	32
6	24	24	24	21	e20	20	23	34	35	33	35	32
7	24	24	24	22	e20	21	23	35	34	33	35	33
8	24	26	25	22	e20	21	22	36	32	33	35	33
9	23	27	27	22	e20	21	22	36	33	32	35	33
10	e24	25	25	20	e21	21	23	36	36	31	35	32
11	25	25	24	20	e21	22	23	35	36	31	35	32
12	24	24	20	e22	22	23	35	37	31	35	32	
13	24	24	24	20	23	23	36	36	31	35	32	
14	25	24	24	20	22	22	23	36	36	31	e36	32
15	25	24	24	20	22	22	23	37	36	31	e34	e32
16	25	24	25	e20	22	22	22	36	36	31	34	e32
17	25	24	24	e21	e22	22	22	37	36	31	34	e32
18	25	24	24	e21	22	22	23	37	36	31	34	e32
19	23	24	e24	e21	e22	22	22	37	36	31	34	e32
20	23	24	e24	e20	22	22	23	37	36	31	34	e32
21	23	24	24	21	22	22	23	37	36	31	33	e32
22	26	24	24	20	22	22	23	37	36	32	34	e32
23	26	24	e24	20	22	22	23	37	36	32	34	e32
24	25	24	e24	20	e22	23	23	37	37	32	34	e32
25	26	24	e24	20	22	23	23	36	36	33	34	e32
26	26	28	e23	20	22	23	23	37	35	33	33	e32
27	28	26	e23	20	e21	23	23	35	35	33	34	e32
28	27	24	e23	20	e21	23	23	20	35	33	33	e32
29	26	24	e23	20	---	e24	23	33	35	33	33	e32
30	27	24	e23	20	---	e23	23	34	35	33	33	e32
31	24	---	e22	20	---	23	---	35	---	33	33	---
TOTAL	766	734	743	633	595	680	686	1,072	1,060	999	1,061	964
MEAN	24.7	24.5	24.0	20.4	21.2	21.9	22.9	34.6	35.3	32.2	34.2	32.1
MAX	28	28	27	22	23	24	24	37	37	34	36	33
MIN	21	24	22	20	20	20	22	20	32	31	33	32
AC-FT	1,520	1,460	1,470	1,260	1,180	1,350	1,360	2,130	2,100	1,980	2,100	1,910

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	17.5	17.6	16.9	15.2	15.4	16.5	23.5	38.8	40.8	37.3	35.9	33.6
MAX	30.9	30.1	27.2	23.9	24.4	27.2	38.7	54.0	47.7	41.9	40.6	39.5
(WY)	(2002)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)
MIN	5.50	5.16	4.38	4.32	4.26	4.81	6.05	31.4	35.3	32.2	32.8	28.7
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2003)	(2003)	(2000)	(2002)

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10149000 SIXTH WATER CREEK ABOVE SYAR TUNNEL, NEAR SPRINGVILLE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1999 - 2003
ANNUAL TOTAL	10,433	9,993	
ANNUAL MEAN	28.6	27.4	
HIGHEST ANNUAL MEAN			23.7
LOWEST ANNUAL MEAN			29.0
HIGHEST DAILY MEAN	58	Jun 28	18.5
LOWEST DAILY MEAN	21	Jan 6	2002
ANNUAL SEVEN-DAY MINIMUM	21	Mar 6	2001
ANNUAL RUNOFF (AC-FT)	20,690	19,820	75 Nov 24, 1998
10 PERCENT EXCEEDS	38	35	39 Dec 19, 2000
50 PERCENT EXCEEDS	26	24	24 Dec 18, 2000
90 PERCENT EXCEEDS	22	21	4.9

e Estimated

