09271550 ASHLEY CREEK BELOW UNION CANAL DIVERSION NEAR JENSEN, UT

LOCATION.--Lat 40°21'29", long 109°23'13", in NW$^1/_4$SE$^1/_4$NE$^1/_4$ sec. 25, T. 5 S., R. 22 E., Uintah County, Hydrologic Unit 14060002, on right bank about 0.5 mi below Union Canal diversion at County road bridge, 1.7 mi above mouth and 2.5 mi southwest of Jensen.

DRAINAGE AREA.--389 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,740 ft above sea level from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,300 ft^3/s, Jun 16, 1995, gage height, 6.34 ft, from high water mark, and rating curve extended above 1,800 ft^3/s; minimum daily discharge, 0.03 ft^3/s, Aug 7, 26, 27, 30, 31, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,310 ft^3/s, May 21, gage height, 5.26 ft; minimum discharge, 0.51 ft^3/s, Jul 29.

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	2.4	23	e19	e22	e17	16	3.4	5.4	483	3.2	3.7	3.2
2	2.2	20	e18	e22	e18	17	3.8	25	493	3.4	3.4	3.0
3	3.4	18	e18	e22	e19	17	3.5	21	472	3.8	3.5	2.6
4	3.4	17	e17	e23	e19	17	3.0	18	382	3.3	4.0	2.7
5	3.6	19	e17	e24	e20	17	2.5	20	284	3.3	4.4	3.2
6	3.1	18	e17	e23	e18	17	3.5	10	225	3.9	3.6	3.0
7	2.7	17	e18	e22	e16	17	5.0	7.4	214	3.8	3.2	2.3
8	2.4	16	e17	e21	e14	18	5.0	13	120	4.7	3.0	1.9
9	2.4	19	e17	e20	e16	16	3.8	24	71	7.0	3.1	1.7
10	1.9	22	e18	e19	e18	18	3.0	142	109	7.4	3.4	1.9
11	6.9	20	e17	e19	e16	19	2.8	319	98	7.3	2.9	1.5
12	13	18	e17	e19	e15	19	2.9	489	71	6.3	1.3	2.1
13	7.1	17	e18	e18	e14	17	4.0	697	46	4.9	1.6	3.0
14	5.1	17	e18	e18	e15	16	4.2	905	27	3.9	1.9	2.6
15	5.1	16	e18	e18	e16	14	4.1	935	12	11	3.0	1.6
16	6.6	e16	e19	e17	e17	14	3.0	979	4.2	13	2.6	1.7
17	6.4	e17	e18	e18	e18	14	1.9	988	4.3	5.0	3.3	1.5
18	6.6	e17	e19	e19	e18	14	1.8	681	4.0	4.2	2.0	1.6
19	8.5	e18	e20	e20	e19	13	1.7	813	3.8	2.5	1.7	1.5
20	12	e18	e21	e21	e19	11	1.7	958	3.9	2.3	2.3	1.6
21	12	e18	e21	e20	e17	7.9	1.8	953	2.7	2.4	2.9	1.5
22	13	e18	e22	e19	e16	5.3	2.3	648	2.0	2.1	4.1	1.7
23	14	e19	e23	e19	e15	7.5	3.1	793	3.2	1.9	4.5	1.8
24	15	e19	e22	e19	e14	7.0	5.4	980	3.8	1.7	3.7	2.1
25	16	e19	e20	e18	e15	6.8	6.5	1030	7.1	1.8	3.6	2.2
26	15	e19	e19	e18	e15	5.8	4.7	890	3.2	1.5	4.1	2.5
27	15	19	e18	e19	16	3.2	8.3	777	3.6	1.7	3.7	2.2
28	18	20	e19	e18	16	3.1	7.6	643	4.5	1.8	3.1	2.0
29	19	19	e20	e17	---	3.3	7.6	548	3.4	.81	3.0	2.1
30	18	19	e21	e16	---	3.4	6.0	531	3.7	1.2	3.3	2.4
31	20	---	e21	e15	---	3.2	---	498	---	2.1	3.4	---
TOTAL	279.8	552	587	603	466	377.5	117.9	16340.8	3164.4	123.21	97.3	64.7
MEAN	9.03	18.4	18.9	19.5	16.6	12.2	3.93	527	105	3.97	3.14	2.16
MAX	20	23	23	24	20	19	8.3	1030	493	13	4.5	3.2
MIN	1.9	16	17	15	14	3.1	1.7	5.4	2.0	.81	1.3	1.5
AC-FT	555	1090	1160	1200	924	749	234	32410	6280	244	193	128

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

MEAN	30.6	31.8	26.0	24.9	30.4	26.4	13.8	253	298	48.2	11.8	14.6
MAX	114	113	90.3	77.2	87.3	58.7	37.5	527	1121	354	40.4	49.6
(WY)	1998	1998	1998	1998	1998	1998	1998	2001	1995	1995	1993	1997
MIN	9.03	11.8	13.1	12.0	15.2	12.2	2.43	9.97	4.80	.51	.40	1.41
(WY)	2001	2000	1993	1996	1996	2001	1992	1992	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1992 - 2001	
ANNUAL TOTAL	9099.83		22773.61			
ANNUAL MEAN	24.9		62.4		67.5	
HIGHEST ANNUAL MEAN					148	1998
LOWEST ANNUAL MEAN					12.7	1992
HIGHEST DAILY MEAN	712	May 26	1030	May 25	3560	Jun 16 1995
LOWEST DAILY MEAN	.33	Aug 20	.81	Jul 29	.03	Aug 7 1994
ANNUAL SEVEN-DAY MINIMUM	.39	Aug 14	1.5	Jul 24	.03	Aug 25 1994
ANNUAL RUNOFF (AC-FT)	18050		45170		48900	
10 PERCENT EXCEEDS	25		26		101	
50 PERCENT EXCEEDS	12		14		18	
90 PERCENT EXCEEDS	1.2		2.1		2.6	

e Estimated