

JORDAN RIVER BASIN

1

10154200 PROVO RIVER NEAR WOODLAND, UT

LOCATION.--Lat 40°33'28", long 111°10'05", in NE^{1/4}NW^{1/4}SE^{1/4} sec. 17, T. 3 S., R. 7 E., Summit County, Hydrologic Unit 16020203, on right bank on south side of State Highway 35, 0.3 mi downstream from Twin Pine Bridge, 1.6 mi downstream from South Fork and 3.5 mi southeast of Woodland.

DRAINAGE AREA.--162 mi².

PERIOD OF RECORD.--July 1963 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,950 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Records include flow of Duchesne Tunnel, transmountain diversion. Flow also affected by some small irrigation diversions above station and by storage in several small reservoirs at headwaters. Information on these diversions is available from the Provo River Water Commissioner's Report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,040 ft³/s, Jun 7, 1986, from rating curve extended above 2,000 ft³/s on the basis of slope-area measurement of peak flow, gage height, 7.40 ft, datum then in use; minimum, 16 ft³/s, Nov 6, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,320 ft³/s, May 6, 7, gage height, 4.78 ft; minimum discharge, 27 ft³/s, Nov 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	58	57	52	37	42	201	348	364	137	74	34
2	48	47	43	46	43	42	219	430	413	124	82	33
3	51	58	41	46	42	45	269	578	482	117	84	34
4	55	47	40	51	43	44	267	779	515	109	80	40
5	47	57	48	50	43	44	274	997	540	102	77	42
6	63	39	53	47	41	43	287	1,120	537	96	75	39
7	41	40	70	51	41	42	296	1,130	507	90	73	37
8	47	50	46	51	43	48	292	1,060	460	87	71	36
9	46	52	35	50	42	55	283	1,130	408	81	69	34
10	50	48	46	48	38	60	251	1,160	414	63	68	34
11	54	47	50	47	40	57	223	1,130	382	73	67	33
12	59	58	52	45	37	63	217	813	343	73	68	33
13	53	44	66	44	39	65	237	654	299	74	74	35
14	47	47	46	45	40	67	264	549	264	78	72	35
15	58	52	41	46	41	68	257	490	243	80	72	34
16	44	52	36	45	41	70	238	502	229	92	73	37
17	45	44	45	41	41	74	228	565	263	100	76	41
18	45	49	48	41	41	80	235	613	299	95	78	40
19	47	e52	46	45	42	97	218	628	244	103	76	43
20	54	e52	44	45	39	120	206	618	216	84	65	52
21	37	46	46	40	42	146	207	620	209	79	63	50
22	40	41	45	38	41	177	192	595	191	72	62	49
23	42	38	40	40	42	207	179	513	175	77	60	48
24	41	58	47	43	41	216	188	480	158	71	51	47
25	44	79	46	43	41	212	181	442	166	68	47	46
26	50	53	48	42	42	211	207	397	158	78	45	45
27	41	46	43	42	41	176	271	402	158	81	44	43
28	44	47	47	44	45	164	361	446	148	76	41	44
29	44	56	47	43	45	146	377	488	143	72	39	42
30	48	77	51	43	---	154	336	409	162	70	37	42
31	50	--	55	42	---	172	---	361	---	70	36	--
TOTAL	1,476	1,534	1,468	1,396	1,194	3,207	7,461	20,447	9,090	2,672	1,999	1,202
MEAN	47.6	51.1	47.4	45.0	41.2	103	249	660	303	86.2	64.5	40.1
MAX	63	79	70	52	45	216	377	1,160	540	137	84	52
MIN	37	38	35	38	37	42	179	348	143	63	36	33
AC-FT	2,930	3,040	2,910	2,770	2,370	6,360	14,800	40,560	18,030	5,300	3,970	2,380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	72.4	66.2	61.1	59.2	58.2	75.3	196	797	762	238	113	79.1
MAX	155	97.9	97.3	86.9	95.7	198	370	1,348	1,653	730	255	166
(WY)	(1983)	(1983)	(1984)	(1984)	(1986)	(1986)	(1985)	(1985)	(1997)	(1995)	(1965)	(1982)
MIN	36.0	42.3	38.4	36.6	40.1	41.5	69.4	128	113	46.6	26.6	29.0
(WY)	(2002)	(1993)	(1977)	(1977)	(1977)	(1977)	(1975)	(1977)	(1992)	(1992)	(1992)	(1992)

JORDAN RIVER BASIN

10154200 PROVO RIVER NEAR WOODLAND, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	57,476		53,146		215	
ANNUAL MEAN	157		145		351	1986
HIGHEST ANNUAL MEAN					71.3	1977
LOWEST ANNUAL MEAN					24	Aug 26, 1992
HIGHEST DAILY MEAN	1,990	May 26	1,160	May 10	2,530	May 28, 1979
LOWEST DAILY MEAN	33	Sep 3	33	Sep 2	25	Aug 24, 1992
ANNUAL SEVEN-DAY MINIMUM	38	Sep 2	34	Sep 9	40	
ANNUAL RUNOFF (AC-FT)	114,000		105,400		156,000	
10 PERCENT EXCEEDS	275		404		613	
50 PERCENT EXCEEDS	56		55		78	
90 PERCENT EXCEEDS	43		40		46	

e Estimated

