10163000 PROVO RIVER AT PROVO, UT

LOCATION.--Lat 40°14'16", long 111°41'55", in NE$^1/_4$NW$^1/_4$SE$^1/_4$ sec. 3, T. 7 S., R. 2 E., Utah County, Hydrologic Unit 16020203, on left bank 1,300 ft downstream from bridge on State Highway 114, 2.1 mi west of Provo, and 2.1 mi upstream from mouth.

DRAINAGE AREA.--673 mi^2.

PERIOD OF RECORD.--May 1903 to June 1905, May 1933 to September 1934, January 1937 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "at San Pedro, Los Angeles and Salt Lake Railroad bridge, near Provo" 1903-04, and as "at Rio Grande Western Railroad bridge, near Provo" 1905.

REVISED RECORDS.--WSP 1564: 1904, 1934. WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,510 ft above sea level, from topographic map. May 1903 to June 1905, nonrecording gages at site 0.8 mi upstream at different datums. May 1933 to September 1934, non-recording gage at present site at different datum. January 1937 to November 1938, water-stage recorder at site 1,000 ft upstream at different datum. November 1938 to August 1957, water-stage recorder at present site at datum 2.00 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Station is below all diversions. At times entire flow is diverted above station for irrigation. Flow regulated by Deer Creek Reservoir, Jordanelle Resevoir, and small lakes at headwaters that serve as reservoirs. Small transmountain diversions from Strawberry River drain into Daniels Creek. Flow affected by Weber-Provo diversion canal and Duchesne Tunnel, a transbasin diversion. Certain diversions for industrial use which reach Provo Bay, an arm of Utah Lake, are made above station; however, part of this flow is used for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,520 ft^3/s, May 6, 1952, gage height, 6.37 ft, datum then in use; no flow for several periods.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 383 ft^3/s, May 8, gage height, 4.67 ft; minimum daily discharge, 1.8 ft^3/s, Jul 24.

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	e383	132	108	86	91	54	57	163	28	6.9	8.0	40
2	e32	134	108	83	90	48	55	e183	e34	e6.0	6.8	50
3	e37	129	107	81	91	39	52	211	e32	5.8	8.6	e44
4	e38	129	110	79	91	40	58	236	32	7.5	e8.0	23
5	e40	136	105	80	97	44	69	249	34	5.3	6.0	31
6	e41	130	98	78	105	39	63	244	31	e4.7	5.4	26
7	e43	122	100	77	90	39	76	265	29	6.0	3.8	28
8	e45	124	98	78	67	42	84	313	26	4.2	7.2	35
9	e47	134	100	79	70	44	67	300	24	3.9	6.9	41
10	e48	133	115	86	58	51	63	250	26	7.4	9.0	41
11	e50	124	96	81	59	50	58	231	28	4.3	e8.0	32
12	e52	126	76	78	55	55	78	171	33	2.8	e10	39
13	e54	127	75	72	54	70	77	124	e60	5.9	e12	37
14	e58	122	77	84	52	88	75	e90	39	12	14	33
15	e60	122	82	107	51	76	73	64	17	18	15	27
16	e62	118	87	105	54	73	79	57	11	13	8.8	32
17	60	115	82	104	57	78	81	37	e10	5.1	11	36
18	55	116	81	108	55	84	59	42	9.5	9.5	20	27
19	61	116	78	108	56	86	54	41	5.0	6.2	29	26
20	68	87	78	107	55	84	62	38	4.6	7.4	e14	20
21	76	105	78	106	56	86	75	35	4.6	3.6	32	18
22	79	115	79	104	53	85	61	34	e10	2.8	33	24
23	84	120	78	99	67	86	56	31	9.4	e2.2	13	27
24	84	121	82	98	60	88	57	27	8.5	e1.8	8.3	e29
25	64	123	83	100	60	88	70	30	7.4	2.6	21	27
26	65	124	85	92	57	70	90	e32	8.0	2.7	28	18
27	68	124	85	92	53	65	115	33	12	4.2	30	19
28	69	115	86	93	53	63	124	32	9.4	5.1	23	18
29	69	103	87	91	---	63	135	33	e11	e6.0	24	15
30	128	104	88	91	---	58	140	32	6.4	e8.0	19	25
31	142	---	89	89	---	56	---	23	---	9.8	26	---
TOTAL	2262	3630	2781	2816	1857	1992	2263	3651	599.8	190.7	468.8	888
MEAN	73.0	121	89.7	90.8	66.3	64.3	75.4	118	20.0	6.15	15.1	29.6
MAX	383	136	115	108	105	88	140	313	60	18	33	50
MIN	32	87	75	72	51	39	52	23	4.6	1.8	3.8	15
AC-FT	4490	7200	5520	5590	3680	3950	4490	7240	1190	378	930	1760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2001, BY WATER YEAR (WY)

MEAN	144	205	249	243	255	277	303	320	355	49.2	22.7	53.2
MAX	512	585	574	629	818	1257	1345	1396	1571	390	210	278
(WY)	1984	1983	1983	1997	1986	1986	1986	1952	1983	1965	1983	1986
MIN	10.9	25.6	39.4	24.7	35.5	40.9	24.3	2.22	2.33	.68	1.12	1.56
(WY)	1961	1963	1993	1989	1989	1961	1961	1961	1977	1946	1960	1960

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1944 - 2001	
ANNUAL TOTAL	48114.1		23399.3			
ANNUAL MEAN	131		64.1		206	
HIGHEST ANNUAL MEAN					553	1986
LOWEST ANNUAL MEAN					41.5	1989
HIGHEST DAILY MEAN	604	May 15	383	Oct 1	2420	May 6 1952
LOWEST DAILY MEAN	6.2	Jul 25	1.8	Jul 24	.10	Aug 25 1992
ANNUAL SEVEN-DAY MINIMUM	11	Jul 22	2.8	Jul 21	.46	Jul 24 1946
ANNUAL RUNOFF (AC-FT)	95430		46410		149000	
10 PERCENT EXCEEDS	333		122		418	
50 PERCENT EXCEEDS	88		57		139	
90 PERCENT EXCEEDS	18		7.8		6.7	

e Estimated