09296800 UINTA RIVER BELOW POWERPLANT DIVERSION, NEAR NEOLA, UT

LOCATION.--Lat 40°35'29", long 110°06'49", in NW$^1/_4$NW$^1/_4$NE$^1/_4$ sec. 9, T. 2 N., R. 2 W., Uintah Meridian, Duchesne County. Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on left bank 100 ft downstream from National Forest boundary, 4.7 mi upstream of Moon Lake Electric Association Inc. hydroelectric powerplant, and 11.5 mi northwest of Neola, Ut.

DRAINAGE AREA.--157 mi^2.

PERIOD OF RECORD.--October 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,330 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Moon Lake Electric powerplant canal diversion about 0.75 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,610 ft^3/s, Jun 21, 1999, gage height, 7.07; minimum daily discharge, 11 ft^3/s, Jan 8, 19, 20, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,920 ft^3/s, May 24, gage height, 7.00 ft; minimum daily discharge, 43 ft^3/s, Mar 18, 19.

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	86	87	e59	e58	e49	52	50	214	1060	274	193	155
2	84	78	e58	e56	e49	53	55	217	1010	288	191	145
3	83	78	e57	e59	e50	53	52	189	942	280	201	140
4	82	79	e56	e55	e53	52	e52	174	759	271	197	133
5	77	80	e56	e54	e54	52	51	178	562	272	215	129
6	75	79	e60	e54	e49	53	54	178	468	268	197	127
7	75	83	e62	e54	e47	55	52	182	602	274	181	125
8	74	81	e59	e53	e47	54	52	200	688	269	196	126
9	73	79	e57	e53	e48	53	49	241	699	285	211	126
10	96	80	e58	e55	e50	54	50	299	726	269	208	122
11	110	79	e55	e55	e51	53	48	424	631	312	199	120
12	91	e75	e56	e58	e50	51	49	537	535	376	195	116
13	87	e71	e57	e57	e50	51	46	649	e510	338	193	119
14	87	e71	e55	e55	e50	51	48	759	344	282	201	125
15	83	e73	e54	e56	e50	49	50	929	311	347	196	116
16	82	e71	e55	e50	e51	48	57	1380	308	293	193	116
17	80	e67	e56	e51	56	46	66	1130	321	260	186	118
18	81	e67	e55	e51	56	43	79	1000	337	246	183	125
19	82	e67	e54	e53	56	43	86	825	330	235	179	113
20	80	e65	e54	e53	56	45	86	1050	321	223	179	106
21	82	e65	e55	e53	56	47	75	888	329	218	182	102
22	82	e64	e55	e52	55	50	70	774	340	228	182	101
23	81	e66	e56	e53	56	51	66	971	341	222	168	100
24	83	e66	e57	e56	55	50	65	1560	368	218	148	97
25	82	e66	e58	e56	55	51	71	1430	370	215	145	96
26	81	e66	e54	e56	54	51	92	1370	334	213	141	95
27	84	e62	e54	e55	53	49	109	1330	320	213	137	91
28	90	e63	e54	e54	52	48	122	1210	312	209	136	88
29	86	e62	e55	e53	---	48	136	1060	298	202	136	87
30	91	e61	e56	e53	---	48	162	1150	285	199	139	88
31	92	---	e57	e51	---	49	---	1000	---	197	151	---
TOTAL	2602	2151	1744	1682	1458	1553	2100	23498	14761	7996	5559	3447
MEAN	83.9	71.7	56.3	54.3	52.1	50.1	70.0	758	492	258	179	115
MAX	110	87	62	59	56	55	162	1560	1060	376	215	155
MIN	73	61	54	50	47	43	46	174	285	197	136	87
AC-FT	5160	4270	3460	3340	2890	3080	4170	46610	29280	15860	11030	6840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)

MEAN	84.7	55.1	39.2	36.7	33.5	34.6	45.7	339	629	327	182	160
MAX	179	109	86.2	62.1	55.0	50.1	70.0	758	1484	852	355	305
(WY)	1998	1999	1999	1999	1998	2001	2001	2001	1995	1995	1998	1997
MIN	28.2	17.8	13.9	12.4	16.0	21.5	30.7	128	188	100	62.9	61.4
(WY)	1991	1991	1992	1992	1992	1992	1993	1995	1992	1994	1992	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1991 - 2001	
ANNUAL TOTAL	38826		68551			
ANNUAL MEAN	106		188		164	
HIGHEST ANNUAL MEAN					268	1995
LOWEST ANNUAL MEAN					80.5	1992
HIGHEST DAILY MEAN	814	May 5	1560	May 24	3000	Jun 15 1995
LOWEST DAILY MEAN	30	Jan 4	43	Mar 18	11	Jan 8 1992
ANNUAL SEVEN-DAY MINIMUM	32	Jan 4	46	Mar 15	12	Jan 16 1992
ANNUAL RUNOFF (AC-FT)	77010		136000		118900	
10 PERCENT EXCEEDS	203		369		364	
50 PERCENT EXCEEDS	79		82		60	
90 PERCENT EXCEEDS	36		51		26	

e Estimated