09296800 UINTA RIVER BELOW POWERPLANT DIVERSION, NEAR NEOLA, UT

Lower Green Basin
Duchesne Subbasin

LOCATION.--Lat 40°35′29″, long 110°06′49″ referenced to North American Datum of 1927, in NW ¼ NW ¼ NE ¼ sec.9, T.2 N., R.2 W., Uintah Meridian, Duchesne County, UT, 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.

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 7,330 ft above NGVD of 1929, 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, 5,450 ft^3/s, Jun 5, 2010, gage height, 8.26 ft; minimum daily discharge, 9.2 ft^3/s, Feb 12, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,830 ft^3/s, Jun 30, gage height, 7.65 ft; minimum daily discharge, 22 ft^3/s, Mar 10.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 09296800, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/09296800.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	40	41	e41	e36	e29	e30	65	40	219	1,400	445	253
2	40	40	e42	e38	e28	e29	78	38	275	1,080	424	233
3	40	43	42	e38	e28	e28	85	39	366	981	411	215
4	41	43	41	e39	e30	e27	66	39	445	1,020	427	206
5	49	43	41	e39	e32	e27	61	45	581	1,090	407	197
6	70	42	41	e40	e32	e26	72	61	730	1,000	361	213
7	91	42	40	e40	e33	e25	65	87	838	1,100	330	199
8	89	42	e38	e40	e32	e24	53	122	910	1,240	310	188
9	68	44	e38	e40	e30	e23	48	145	966	925	292	194
10	59	41	e39	e38	e30	22	46	121	949	855	281	177
11	57	55	e38	e36	e30	23	53	e103	1,030	810	299	173
12	53	46	e38	e36	e30	23	61	97	1,150	865	286	175
13	49	51	e38	e35	e30	23	62	104	1,220	846	273	173
14	47	101	37	e34	e31	23	62	130	1,220	842	279	165
15	44	46	e37	e34	e31	23	61	175	1,360	730	311	166
16	43	45	e36	e34	e31	24	65	237	1,680	671	299	166
17	45	46	e36	e35	e30	24	76	214	1,500	656	276	161
18	48	47	e37	e34	e30	e24	99	200	1,340	733	254	152
19	43	45	e39	e33	e31	42	94	186	1,220	741	264	141
20	42	44	e40	e32	e30	43	73	167	923	779	278	134
21	41	47	e40	e32	e29	43	66	161	898	661	304	127
22	40	e46	e39	e33	e29	46	53	173	1,080	608	334	123
23	41	e46	e38	e32	e30	e42	48	193	1,440	551	275	120
24	46	e43	e38	e32	e30	48	46	189	1,770	514	257	116
25	76	e42	e38	e32	e31	46	43	179	1,750	490	269	107
26	43	e43	e38	e32	e30	e42	40	202	1,510	525	301	106
27	41	e44	e38	e32	e30	45	39	231	1,350	544	286	105
28	40	e44	e37	e32	e30	44	42	253	1,230	521	301	103
29	44	e42	e38	e31	---	43	47	252	1,360	500	359	100
30	43	e40	e38	e30	---	44	41	232	2,420	455	293	97
31	43	---	e36	e30	---	54	---	201	---	434	276	---
Total	1,556	1,384	1,197	1,079	847	1,030	1,810	4,616	33,730	24,167	9,762	4,785
Mean	50.2	46.1	38.6	34.8	30.2	33.2	60.3	149	1,124	780	315	160
Max	91	101	42	40	33	54	99	253	2,420	1,400	445	253
Min	40	40	36	30	28	22	39	38	219	434	254	97
Ac-ft	3,090	2,750	2,370	2,140	1,680	2,040	3,590	9,160	66,900	47,940	19,360	9,490

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	75.1	48.1	34.9	32.2	29.7	32.3	46.6	335	576	300	162	132
Max	179	109	86.2	62.1	55.0	50.1	70.0	940	1,630	852	355	305
(WY)	(1998)	(1999)	(1999)	(1999)	(1998)	(2001)	(2001)	(2005)	(2005)	(1995)	(1998)	(1997)
Min	28.2	17.8	13.9	12.4	10.3	13.6	20.1	104	113	53.8	27.9	61.4
(WY)	(1991)	(1991)	(1992)	(1992)	(2004)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(1992)

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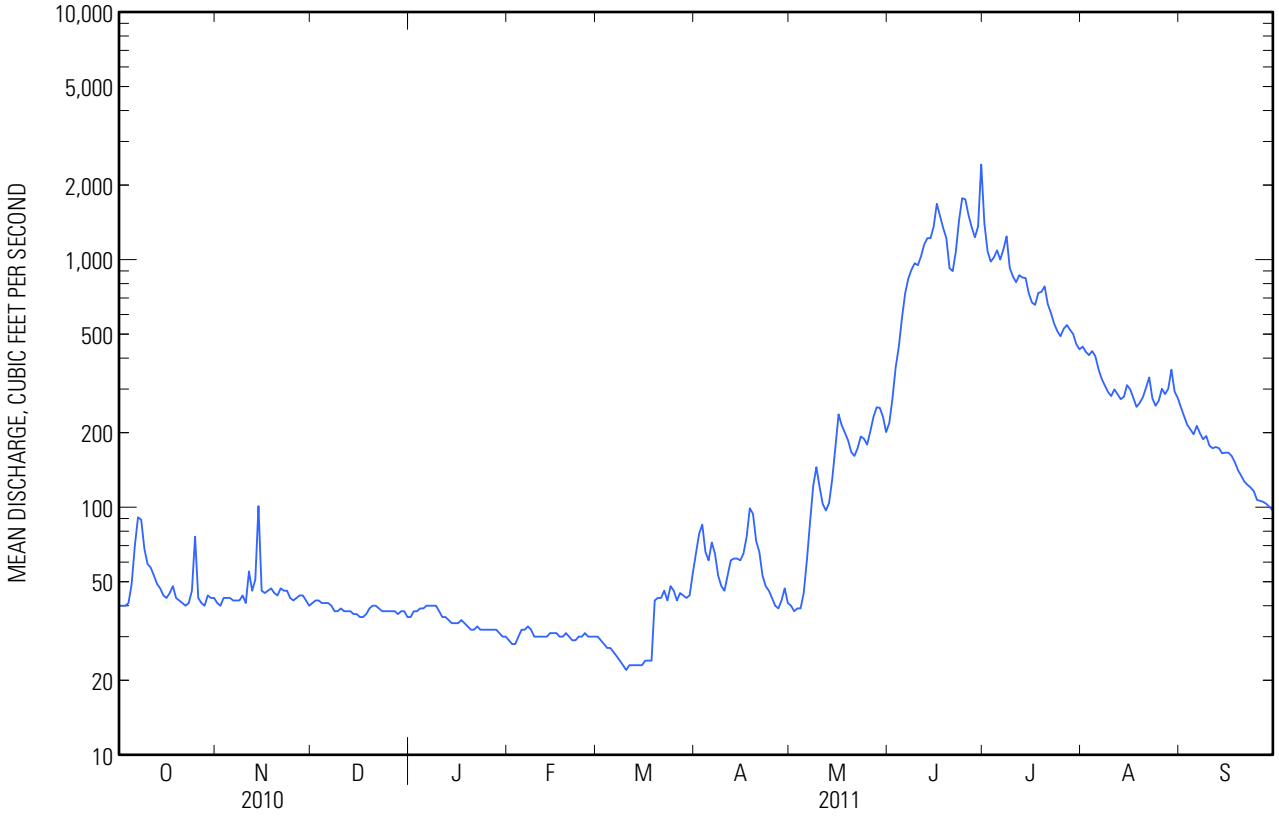
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1991 - 2011	
Annual total	44,792		85,963			
Annual mean	123		236		151	
Highest annual mean					329	2005
Lowest annual mean					51.4	2002
Highest daily mean	2,230	Jun 5	2,420	Jun 30	3,000	Jun 15, 1995
Lowest daily mean	28	Mar 12	22	Mar 10	9.2	Feb 12, 2004
Annual seven-day minimum	29	Mar 10	23	Mar 9	9.6	Feb 9, 2004
Annual runoff (ac-ft)	88,840		170,500		109,200	
10 percent exceeds	252		840		326	
50 percent exceeds	44		48		55	
90 percent exceeds	30		30		24