09239500 YAMPA RIVER AT STEAMBOAT SPRINGS, CO

LOCATION.--Lat 40°29'01", long 106°49'54", in NW¼NE¼ sec.17, T.6 N., R.84 W., Routt County, Hydrologic Unit 14050001, on left bank 30 ft upstream from Fifth Street bridge in Steamboat Springs, and 0.6 mi upstream from Soda Creek.

DRAINAGE AREA.--568 mi^2.

PERIOD OF RECORD.--May 1904 to October 1906, October 1909 to current year. Monthly discharge only for some periods, published in WSP 1313. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09239500

REVISED RECORDS.--WDR C0-00-2: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 6,695.47 ft above NGVD of 1929. Prior to May 8, 1905, nonrecording gage at bridge 0.2 mi upstream at datum 4.16 ft higher. May 8, 1905 to Oct. 31, 1906, nonrecording gage on bridge 30 ft upstream at datum 0.44 ft higher. Mar. 8, 1910 to Sept. 11, 1934, water-stage recorder on right bank, 60 ft downstream, at datum 0.44 ft higher. Sept. 11, 1934 to Aug. 17, 1988, water-stage recorder on right bank, 60 ft downstream, at present datum.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by two diversions for irrigation to Egeria Creek in Colorado River Basin, one diversion for irrigation from Trout Creek drainage to Oak Creek drainage, irrigation of about 19,700 acres upstream from station, and by storage in Stillwater, Yampa, YamColo, Stagecoach, and Catamount Reservoirs, (total capacity 56,895 acre-ft) and pumping of water to ski area for snow making during winter.

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	98	76	129	98	95	117	345	506	744	330	72	93
2	98	96	120	98	95	114	371	489	866	253	67	98
3	115	104	105	97	93	116	401	607	1,110	208	66	96
4	121	103	101	95	96	118	393	892	1,220	185	61	111
5	109	92	91	100	96	117	431	1,200	1,260	183	60	165
6	96	88	84	90	93	116	464	1,450	1,330	181	61	169
7	91	85	89	99	91	117	490	1,620	1,360	161	57	168
8	87	94	95	102	95	123	524	1,720	1,280	146	52	126
9	85	95	85	98	95	126	594	1,700	1,170	132	47	91
10	82	101	85	93	91	129	540	1,730	960	118	41	78
11	76	104	89	92	97	131	442	1,760	733	111	44	75
12	72	107	86	92	94	133	398	1,480	662	101	48	72
13	72	110	84	93	96	137	365	1,200	658	94	48	71
14	72	122	87	95	96	142	359	983	636	90	44	67
15	73	118	84	96	97	154	361	887	601	100	45	61
16	74	115	84	101	98	156	388	955	541	160	40	56
17	73	121	82	96	97	165	462	986	547	132	42	51
18	74	128	91	94	98	180	548	1,190	725	114	59	55
19	72	127	98	96	99	202	528	1,500	610	104	77	63
20	70	134	89	99	101	231	473	1,690	538	93	91	106
21	71	137	93	97	99	258	457	1,610	609	93	91	180
22	73	131	97	92	99	295	423	1,460	511	85	83	173
23	71	134	92	94	105	345	374	1,230	402	83	78	152
24	73	137	95	98	105	408	351	1,190	339	92	68	142
25	70	133	96	97	109	471	337	1,050	303	95	65	163
26	66	131	103	99	118	446	328	1,000	272	87	63	177
27	67	128	100	101	130	496	373	1,130	250	89	87	194
28	70	131	96	101	125	428	467	1,290	250	83	80	188
29	70	137	95	101	120	356	528	1,260	260	79	77	167
30	68	131	97	99	---	320	566	971	333	76	73	242
31	71	---	98	98	---	319	---	795	---	74	80	---
TOTAL	2,480	3,450	2,920	3,001	2,923	6,966	13,081	37,531	21,080	3,932	1,967	3,650
MEAN	80.0	115	94.2	96.8	101	225	436	1,211	703	127	63.5	122
MAX	121	137	129	102	130	496	594	1,760	1,360	330	91	242
MIN	66	76	82	90	91	114	328	489	250	74	40	51
AC-FT	4,920	6,840	5,790	5,950	5,800	13,820	25,950	74,440	41,810	7,800	3,900	7,240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2004, BY WATER YEAR (WY)

MEAN	134	126	104	100	103	168	649	1,718	1,777	358	150	110
MAX	378	274	205	190	176	433	1,675	3,350	3,771	1,684	387	432
(WY)	(1998)	(1998)	(1998)	(1998)	(1998)	(1910)	(1962)	(1984)	(1917)	(1957)	(1984)	(1997)
MIN	49.6	69.3	56.6	45.0	50.0	73.5	236	702	141	16.2	40.5	19.5
(WY)	(1935)	(1978)	(1916)	(1916)	(1916)	(1964)	(1995)	(1977)	(1934)	(1934)	(1931)	(1944)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1910 - 2004	
ANNUAL TOTAL	147,256		102,981			
ANNUAL MEAN	403		281		459	
HIGHEST ANNUAL MEAN					821	1984
LOWEST ANNUAL MEAN					169	1977
HIGHEST DAILY MEAN	4,590	Jun 1	1,760	May 11	5,870	Jun 14, 1921
LOWEST DAILY MEAN	52	Jan 9	40	Aug 16	a4.0	Sep 8, 1934
ANNUAL SEVEN-DAY MINIMUM	55	Jan 4	44	Aug 10	4.9	Sep 9, 1944
MAXIMUM PEAK FLOW			1,950	May 10	b6,820	Jun 14, 1921
MAXIMUM PEAK STAGE			4.72	May 10	c7.08	Jun 14, 1921
ANNUAL RUNOFF (AC-FT)	292,100		204,300		332,500	
10 PERCENT EXCEEDS	1,070		816		1,490	
50 PERCENT EXCEEDS	101		105		135	
90 PERCENT EXCEEDS	72		71		75	

a Also occurred Sep 10-13, 1944.
b Present datum, from rating curve extended above 4,800 ft^3/s.
c Maximum gage height, 7.65 ft, Jun 3, 1997.