

Compiled by the Hydrographic Branch
Edited by Jim McDanold



**Office of the State Engineer
Division of Water Resources**

Roy Romer
Governor

Hal D. Simpson
State Engineer

STATEWIDE HYDROGRAPHIC STAFF

DENVER

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DURANGO

Scott Brinton
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PLATTE RIVER BASIN

06694650 SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR

LOCATION.--Lat 38°33'26", long 105°53'22", 1500 ft below Antero Reservoir.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry at 12' Parshall flume in a wooden shelter with a concrete well and supplemental staff gage. Gage is owned and maintained by the Denver Water Dept.

REMARKS.--Record is taken from hourly satellite readings. It is complete and reliably agrees with chart data to within 0.02 foot. The record is good. Record developed and satellite monitoring maintained by Robert Cooper.

RATING TABLE.--PLAANTCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

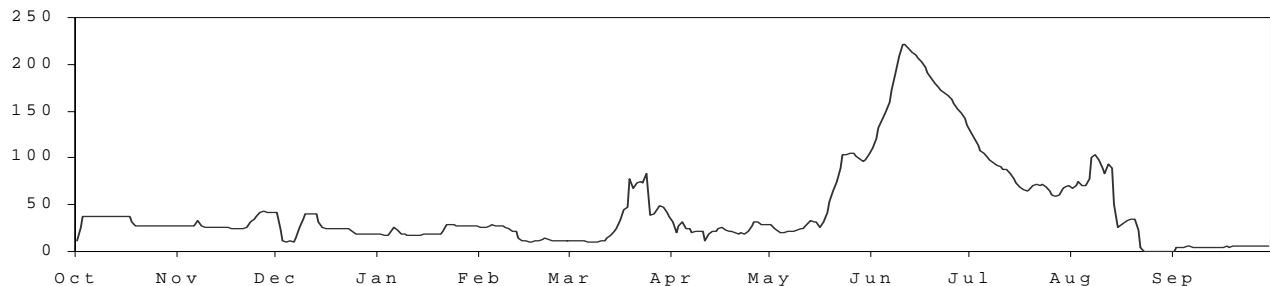
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	27	42	18	26	11	31	29	110	128	67	0.0
2	26	27	23	18	26	11	20	25	121	120	71	3.7
3	37	27	11	17	26	12	28	22	132	113	74	4.8
4	37	27	10	17	28	12	31	20	141	108	71	4.8
5	37	27	11	23	29	11	24	20	150	105	71	5.1
6	37	27	10	26	28	9.5	24	21	160	101	78	5.1
7	37	33	14	23	28	10	20	22	173	98	101	4.9
8	37	28	26	18	27	10	21	21	189	95	103	4.5
9	37	26	35	18	26	10	22	23	209	92	97	4.6
10	37	26	40	17	25	11	22	24	221	90	89	4.8
11	37	26	40	17	22	11	11	25	221	88	83	4.8
12	37	26	40	17	21	14	18	29	217	87	94	4.8
13	37	26	40	17	15	17	21	33	212	84	89	4.8
14	38	26	32	17	11	21	22	32	210	78	50	4.8
15	38	26	26	18	11	25	25	32	207	73	26	4.8
16	38	26	25	18	9.8	33	26	26	202	69	29	4.9
17	38	25	25	18	9.6	44	23	32	197	66	31	5.1
18	32	25	25	18	11	47	22	42	191	65	33	5.0
19	28	25	25	18	12	77	21	53	185	66	34	5.2
20	28	25	25	18	13	67	20	64	179	71	35	5.4
21	28	25	25	22	14	73	19	75	175	72	23	5.4
22	28	26	25	29	13	75	20	89	173	71	4.5	5.4
23	28	32	25	29	12	73	18	103	170	72	0.26	5.5
24	28	34	22	29	12	83	21	104	166	69	0.0	5.7
25	28	37	19	28	11	39	27	105	163	65	0.0	5.8
26	28	42	19	28	12	40	31	105	158	61	0.0	5.8
27	28	43	19	28	12	43	31	102	152	59	0.0	5.7
28	28	42	19	28	12	49	29	99	148	61	0.0	5.8
29	27	42	19	28	---	48	29	96	142	67	0.0	5.6
30	28	42	18	27	---	42	29	97	135	69	0.22	5.1
31	28	---	18	27	---	38	---	103	---	70	0.01	---
TOTAL	991	896	753	674	502.4	1066.5	706	1673	5209	2533	1354.00	147.7
MEAN	32.0	29.9	24.3	21.7	17.9	34.4	23.5	54.0	174	81.7	43.7	4.92
AC-FT	1970	1780	1490	1340	997	2120	1400	3320	10330	5020	2690	293
MAX	38	43	42	29	29	83	31	105	221	128	103	5.8
MIN	11	25	10	17	9.6	9.5	11	20	110	59	0.0	0.0

CAL YR 1996 TOTAL	18384.6	MEAN	50.2	MAX	204	MIN	9.9	AC-FT	36470
WTR YR 1997 TOTAL	16505.60	MEAN	45.2	MAX	221	MIN	0.00	AC-FT	32740

MAX DISCH 251 CFS AT 1800 09-JUN-1997 GH 2.87 FT. SHIFT -0.01 FT. MAX GH 2.87 FT. AT 1800 09-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06694920 SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR, CO

LOCATION.--Lat 38°59'10", long 105°40'52".

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry in a wooden shelter at a 25' Parshall flume. Station and satellite telemetry are owned and maintained by the City of Aurora.

REMARKS.--Record is taken from hourly satellite readings and is complete and reliable, except for the winter period Nov. 16, 1996-Mar. 28, 1997 when the flume was frozen. Record was also estimated for the period Apr. 11-15, 1997 when the well froze. Satellite daily gage heights agree with chart data to within 0.02 ft. Record is good in warm weather when the flume is open. Winter period estimates are fair on a long term average, and poor on a daily basis. Record developed by Robert Cooper.

RATING TABLE.--PLASPICO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

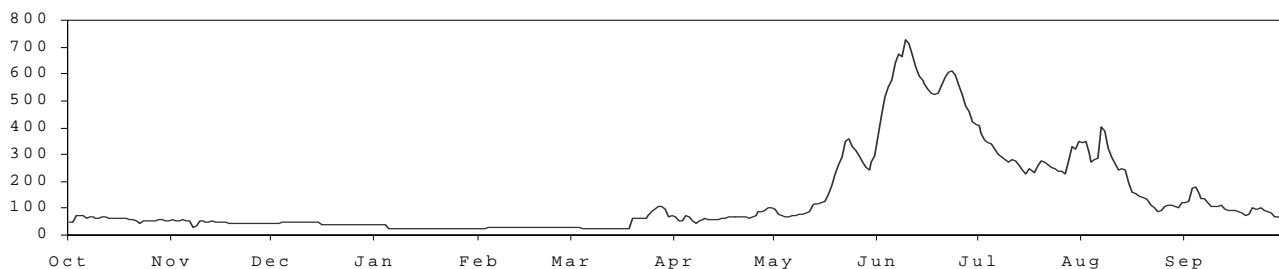
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	57	45	40	25	30	69	95	367	406	344	123
2	48	55	45	40	25	30	54	78	448	380	348	126
3	71	54	45	40	25	30	54	72	514	354	307	173
4	73	58	50	40	30	25	73	67	555	344	271	180
5	71	55	50	25	30	25	67	67	577	341	281	156
6	65	51	50	25	30	25	53	72	638	322	287	137
7	66	28	50	25	30	25	45	75	676	299	404	135
8	66	36	50	25	30	25	51	78	666	290	390	119
9	65	54	50	25	30	25	57	79	728	280	325	108
10	65	52	50	25	30	25	63	83	715	273	289	106
11	67	47	50	25	30	25	60	88	668	283	268	105
12	66	50	50	25	30	25	60	110	626	275	242	111
13	64	53	50	25	30	25	60	118	591	260	248	99
14	62	49	50	25	30	25	60	116	579	241	241	93
15	61	50	50	25	30	25	64	119	563	230	194	91
16	63	50	40	25	30	25	63	126	543	248	160	93
17	65	50	40	25	30	25	67	148	530	240	153	88
18	63	45	40	25	30	25	67	183	526	233	147	81
19	58	45	40	25	30	65	67	230	529	256	141	74
20	57	45	40	25	30	65	67	263	556	276	135	77
21	51	45	40	25	30	65	68	291	586	272	132	102
22	46	45	40	25	30	65	70	350	606	262	111	99
23	52	45	40	25	30	65	64	359	613	252	100	98
24	53	45	40	25	30	75	68	331	598	246	88	103
25	51	45	40	25	30	85	74	314	558	239	91	93
26	51	45	40	25	30	95	87	297	524	236	105	87
27	55	45	40	25	30	105	87	270	482	226	110	84
28	57	45	40	25	30	105	94	251	460	278	111	70
29	58	45	40	25	---	97	102	242	424	329	108	66
30	52	45	40	25	---	70	104	273	412	322	103	61
31	54	---	40	25	---	71	---	295	---	349	120	---
TOTAL	1846	1434	1375	835	825	1493	2039	5540	16858	8842	6354	3138
MEAN	59.5	47.8	44.4	26.9	29.5	48.2	68.0	179	562	285	205	105
AC-FT	3660	2840	2730	1660	1640	2960	4040	10990	33440	17540	12600	6220
MAX	73	58	50	40	30	105	104	359	728	406	404	180
MIN	46	28	40	25	25	25	45	67	367	226	88	61

CAL YR 1996 TOTAL	46903	MEAN	128	MAX	550	MIN	28	AC-FT	93030
WTR YR 1997 TOTAL	50579	MEAN	139	MAX	728	MIN	25	AC-FT	100300

MAX DISCH 738 CFS AT 1400 09-JUN-1997 GH 3.63 FT. SHIFT -0.02 FT. MAX GH 3.63 FT. AT 1400 09-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06695000 SOUTH PLATTE RIVER ABOVE ELEVENMILE CANYON RESERVOIR, NEAR HARTSEL, CO

LOCATION.--Lat 38°58'03", long 105°34'51", in NE¼ sec. 32, T.12 S., R.73 W., Park County, Hydrologic Unit 10190001, on left bank 200 ft downstream from highway bridge, 2.5 mi upstream from water line of Elevenmile Canyon Reservoir, at elevation 8,561 ft. and 13 mi southeast of Hartsel.

DRAINAGE AREA.--880 mi².

GAGE.--Water-stage recorder with satellite telemetry in a wooden shelter at a 25' Parshall flume. Datum of gage is 8,612.83 ft, (Denver Board of Water Commissioners Datum). Station is owned and maintained by the Denver Water Dept. Satellite telemetry is maintained by the U. S. Army Corps of Engineers and the USGS.

REMARKS.--Record is taken from hourly satellite readings. The satellite data agrees within 0.02 ft. of available chart data. A few small (.02-.03 ft.) encoder corrections were noted and applied in such a way as to improve agreement with chart data. Record is complete and reliable. Spinney Reservoir is 2 miles upstream, with no inflows between it and the gage. Spinney release keeps this gage open year round. Record is good. Record developed by Robert Cooper.

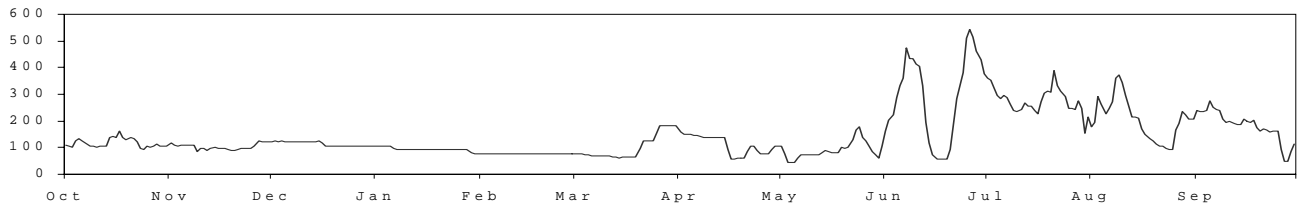
RATING TABLE.--PLAHARCO15 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	119	122	105	77	77	160	104	164	360	178	239
2	104	111	124	105	77	77	148	78	203	353	194	237
3	101	105	122	105	76	76	148	45	221	326	293	237
4	126	108	126	104	77	75	148	45	288	294	264	241
5	135	108	123	105	77	71	147	46	332	283	228	277
6	127	108	123	99	79	70	147	61	361	295	249	251
7	114	109	123	92	79	67	143	72	473	288	272	245
8	104	108	123	92	79	67	139	72	434	262	362	241
9	104	85	123	92	78	67	139	72	434	240	371	205
10	103	96	123	93	79	67	139	72	415	235	346	194
11	104	97	123	93	78	67	139	72	405	244	296	197
12	106	88	123	94	77	65	139	73	331	267	254	192
13	106	97	123	94	77	63	138	82	194	257	213	187
14	138	102	123	94	77	62	137	89	119	254	214	186
15	143	99	124	93	77	64	92	84	75	240	211	208
16	137	97	119	94	77	64	57	80	58	228	170	199
17	161	97	107	93	77	64	58	80	57	272	149	196
18	139	94	107	94	77	64	60	80	57	305	135	203
19	131	91	106	93	78	64	59	102	57	313	125	176
20	138	91	105	93	78	97	59	99	94	310	115	161
21	135	94	105	93	78	124	86	100	189	389	107	169
22	121	98	105	93	77	125	105	128	282	331	107	165
23	96	98	105	93	77	125	105	165	334	314	99	160
24	95	98	106	93	77	126	88	177	383	292	94	161
25	105	98	105	92	79	156	78	139	512	247	94	161
26	102	107	106	93	77	183	78	127	543	249	168	95
27	107	124	106	93	77	183	78	105	513	244	192	49
28	112	122	106	92	77	181	93	87	461	274	235	49
29	104	122	105	83	---	181	104	71	429	248	221	85
30	104	122	105	77	---	183	104	59	378	153	206	112
31	105	---	105	77	---	183	---	105	---	214	208	---
TOTAL	3615	3093	3551	2906	2170	3138	3315	2771	8796	8581	6370	5478
MEAN	117	103	115	93.7	77.5	101	111	89.4	293	277	205	183
AC-FT	7170	6130	7040	5760	4300	6220	6580	5500	17450	17020	12630	10870
MAX	161	124	126	105	79	183	160	177	543	389	371	277
MIN	95	85	105	77	76	62	57	45	57	153	94	49
CAL YR 1996 TOTAL		53180	MEAN	145	MAX	372	MIN	38	AC-FT	105500		
WTR YR 1997 TOTAL		53784	MEAN	147	MAX	543	MIN	45	AC-FT	106700		

MAX DISCH 552 CFS AT 1500 07-JUN-1997 GH 3.04 FT. SHIFT -0.03 FT. MAX GH 3.04 FT. AT 1500 07-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06696000 SOUTH PLATTE RIVER(below Elevenmile Reservoir) NEAR LAKE GEORGE, CO

LOCATION.--Lat 38°54'18", long 105°29'24". in SW¼ sec. 20, T.13 S., R.72 W., Park County, Hydrologic Unit 10190001, on left bank 700 ft downstream from Elevenmile Canyon Reservoir and 8.2 mi southwest of town of Lake George.

DRAINAGE AREA AND PERIOD OF RECORD.--963 mi². October 1929 to current year. Monthly data only for some periods.

GAGE.--Water-stage recorder and satellite monitoring in a wooden shelter at a 15' Parshall flume with outside staff gage. Elevation of gage is 8,458 ft from topographic map. Station is owned and maintained by the Denver Water Dept.

REMARKS.--Record is complete. Hourly satellite data was used. Satellite data is reliable and agrees with chart data to within 0.20 ft. Record is good. Record developed by Robert Cooper.

RATING TABLE.--PLAGEOCO04 USED FROM 01-OCT-1996 TO 30-SEP-1997

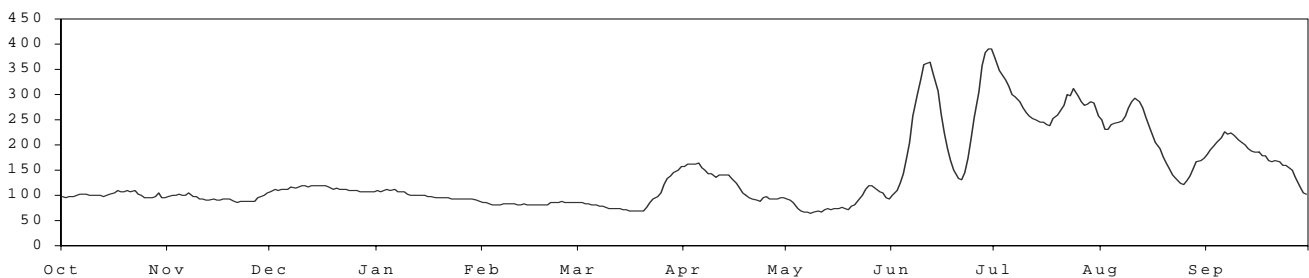
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	98	108	109	86	86	158	94	99	375	251	180
2	96	99	111	108	85	85	162	91	110	348	231	191
3	97	100	110	110	84	84	162	85	125	337	230	198
4	97	102	112	111	81	83	162	75	143	329	241	205
5	101	101	112	109	81	82	164	69	173	317	242	214
6	103	101	112	111	82	80	154	67	205	301	245	226
7	103	105	116	108	83	79	150	67	256	296	248	222
8	103	97	115	107	83	78	144	65	303	286	257	223
9	101	97	116	106	83	76	142	67	329	274	274	218
10	101	93	118	103	83	75	136	68	359	265	285	210
11	100	93	118	99	81	74	141	67	362	257	294	204
12	99	91	117	100	82	74	140	72	364	253	286	199
13	98	90	118	100	83	73	140	73	340	251	274	192
14	99	92	119	99	82	72	140	71	306	246	255	188
15	103	90	118	99	82	72	134	73	261	245	238	186
16	105	90	119	97	81	70	123	75	223	241	222	185
17	109	92	119	97	82	69	114	76	194	239	204	178
18	108	93	116	95	80	68	105	75	168	253	192	178
19	108	92	113	95	81	68	100	72	150	260	176	170
20	109	89	114	95	82	70	95	78	133	270	165	166
21	108	86	113	95	86	77	93	82	130	279	152	168
22	110	89	112	95	85	85	90	94	145	300	140	166
23	102	87	112	94	86	92	89	99	173	298	133	160
24	101	88	110	94	87	97	95	113	211	312	125	159
25	96	89	110	94	86	104	97	119	255	297	122	155
26	95	88	110	93	86	122	94	119	304	286	129	151
27	95	96	108	92	86	133	92	112	357	278	137	135
28	98	98	107	94	85	139	92	106	383	280	153	117
29	105	101	107	93	---	145	96	104	391	286	166	105
30	95	105	107	91	---	151	95	95	390	284	169	102
31	95	---	108	88	---	157	---	92	---	257	173	---
TOTAL	3138	2832	3505	3081	2334	2820	3699	2615	7342	8800	6409	5351
MEAN	101	94.4	113	99.4	83.4	91.0	123	84.4	245	284	207	178
AC-FT	6220	5620	6950	6110	4630	5590	7340	5190	14560	17450	12710	10610
MAX	110	105	119	111	87	157	164	119	391	375	294	226
MIN	95	86	107	88	80	68	89	65	99	239	122	102

CAL YR 1996 TOTAL 51910 MEAN 142 MAX 404 MIN 47 AC-FT 103000
WTR YR 1997 TOTAL 51926 MEAN 142 MAX 391 MIN 65 AC-FT 103000

MAX DISCH 395 CFS AT 1500 29-JUN-1997 GH 3.30 FT. SHIFT 0.02 FT. MAX GH 3.30 FT. AT 1500 29-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06701500 SOUTH PLATTE RIVER BELOW CHEESMAN LAKE, CO

LOCATION.--Lat 39°12'33", long 105°16'02", in SE¼NW¼ sec.6, T.10 S., R.70 W., Jefferson County, Hydrologic Unit 10190002, on left bank 1,400 ft downstream from toe of Cheesman Dam and 3.8 mi southwest of Deckers.

DRAINAGE AREA.--1,752 mi².

GAGE.--Water-stage recorder with satellite telemetry in a wooden shelter at a 30 ft Parshall flume. Datum of gage is 6,609 ft. Station is owned and maintained by the Denver Water Dept. Satellite telemetry is maintained by the U.S. Army Corps of Engineers and the USGS.

REMARKS.--Primary record is taken from hourly satellite gage readings, and is complete. Record is reliable. Satellite data agrees with chart data within 0.02 foot, except for Mar. 7-12; Jun. 11-12, 1997 when chart recorder failed to follow a change in stage. The record is good. Record developed by Robert Cooper.

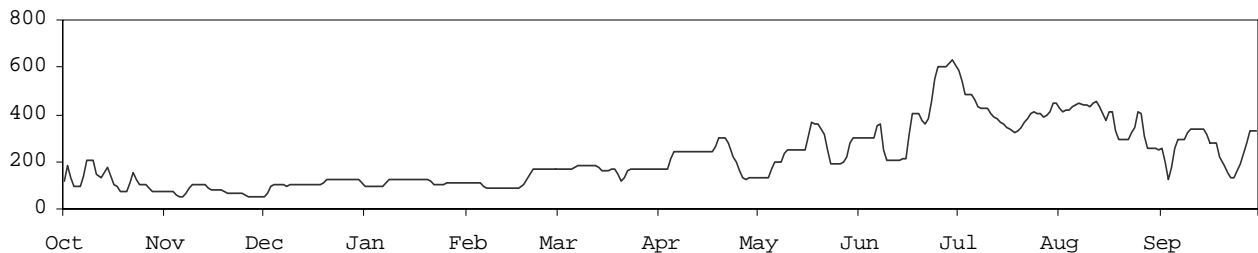
RATING TABLE.--PLACHECO11 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	76	51	96	108	166	169	130	302	589	428	256
2	182	76	64	97	108	166	170	131	302	545	414	195
3	135	76	92	98	108	166	170	131	302	487	419	124
4	98	61	101	98	108	166	211	130	302	481	421	177
5	98	52	100	98	108	166	242	171	302	486	435	254
6	99	52	100	98	97	177	242	200	354	464	444	292
7	136	67	100	110	89	185	242	200	359	435	447	292
8	203	90	99	124	89	185	242	200	248	427	443	293
9	203	101	100	124	89	184	242	232	205	426	438	320
10	203	101	101	124	89	184	242	251	207	423	436	341
11	148	101	101	124	89	184	242	249	208	400	445	340
12	133	101	101	124	90	184	242	249	209	388	454	340
13	152	101	101	124	90	173	242	249	209	378	433	340
14	178	91	101	124	91	165	243	249	212	368	400	340
15	141	79	101	124	91	165	244	249	212	356	374	312
16	103	79	101	126	91	165	243	311	316	344	410	276
17	93	79	101	126	91	166	243	364	405	335	410	277
18	76	79	101	126	104	166	267	361	405	321	329	279
19	76	75	113	126	126	147	300	360	405	328	292	220
20	76	66	124	126	150	119	300	335	376	345	292	182
21	112	67	124	115	166	129	300	318	357	366	292	151
22	152	67	124	106	166	161	276	250	381	383	292	130
23	122	67	124	106	166	170	219	192	455	406	325	129
24	101	67	124	106	166	168	195	193	549	412	346	161
25	101	60	124	106	166	168	165	194	603	405	412	193
26	101	51	124	107	166	168	129	194	603	401	401	236
27	90	51	124	108	166	168	128	196	604	390	305	277
28	75	51	124	108	166	168	130	218	620	394	254	328
29	76	51	124	108	---	168	130	277	632	411	254	327
30	76	51	124	108	---	168	130	302	612	450	254	327
31	76	---	109	108	---	168	---	302	---	448	253	---
TOTAL	3732	2186	3302	3503	3334	5183	6540	7388	11256	12792	11552	7709
MEAN	120	72.9	107	113	119	167	218	238	375	413	373	257
AC-FT	7400	4340	6550	6950	6610	10280	12970	14650	22330	25370	22910	15290
MAX	203	101	124	126	166	185	300	364	632	589	454	341
MIN	75	51	51	96	89	119	128	130	205	321	253	124
CAL YR 1996 TOTAL		83465	MEAN	228	MAX	713	MIN	51	AC-FT	165600		
WTR YR 1997 TOTAL		78477	MEAN	215	MAX	632	MIN	51	AC-FT	155700		

MAX DISCH 642 CFS AT 0300 29-JUN-1997 GH 3.05 FT. SHIFT -0.05 FT. MAX GH 3.05 FT. AT 0300 29-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06706000 NORTH FORK SOUTH PLATTE RIVER BELOW GENEVA CREEK, AT GRANT, CO

LOCATION.--Lat 39°27'26", long 105°39'29" in NW¼ sec. 10, T.7 S., R.74 W., Park County, Hydrologic Unit 10190002, on left bank at Grant, 1,550 ft downstream from Geneva Creek, and 1.3 mi downstream from east portal of Harold D. Roberts tunnel.

DRAINAGE AREA.--127 mi².

GAGE.--Water-stage recorder with satellite telemetry in a wooden shelter at a concrete control section. Station is owned and maintained by the Denver Water Dept. Satellite telemetry is maintained by the U.S. Army Corps of Engineers and the USGS.

REMARKS.--The primary record is taken from the hourly satellite data and is complete. The record is reliable except for Mar. 8-11, 14, 25-26, 28, 30-31; Apr. 3, 5-8, 1997 when ice accumulated on the control. Daily mean gage heights agreed to within 0.02 ft with the chart data. Record is good. Record developed by Robert Cooper.

RATING TABLE.--PLAGRAC011 USED FROM 01-OCT-1996 TO 30-SEP-1997

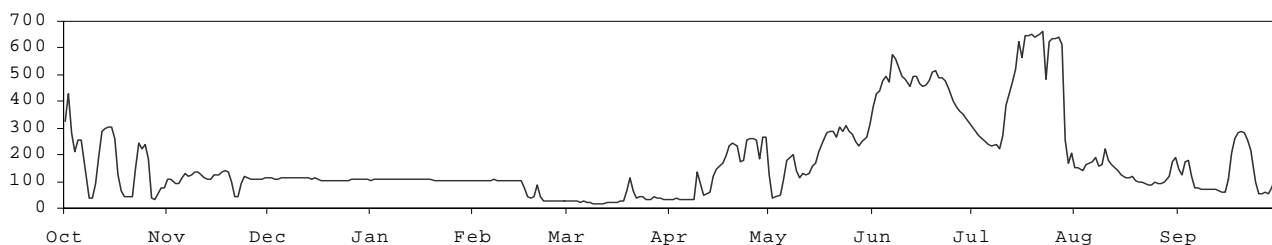
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	326	107	113	105	105	27	30	125	381	303	153	145
2	429	110	113	106	105	26	30	40	427	285	153	124
3	280	90	108	106	104	26	36	42	441	272	143	172
4	209	90	110	107	104	25	33	47	477	260	164	179
5	255	116	112	107	104	24	32	107	492	252	168	118
6	254	130	114	108	105	25	32	180	472	240	172	75
7	168	121	114	108	106	22	32	191	574	232	189	76
8	38	127	114	108	104	19	33	200	560	240	160	71
9	37	135	114	108	104	18	133	139	529	225	163	69
10	93	135	114	108	104	18	90	112	495	272	221	68
11	197	126	114	108	104	18	47	132	482	383	179	69
12	289	112	114	108	104	18	52	127	456	430	162	68
13	300	110	113	108	104	19	60	130	496	471	150	63
14	305	109	111	108	103	21	122	157	492	519	140	61
15	305	125	114	108	103	21	147	168	469	626	126	60
16	258	127	110	107	78	24	160	214	458	562	116	110
17	127	134	104	106	45	26	166	257	463	647	114	208
18	64	141	104	106	37	26	196	280	475	648	118	258
19	45	137	105	106	45	65	236	285	510	650	105	280
20	43	98	105	105	85	113	244	285	518	642	99	290
21	41	42	105	105	44	66	234	268	491	651	98	280
22	154	42	105	105	28	37	171	303	488	660	94	253
23	246	93	105	105	29	41	179	290	478	483	89	215
24	223	122	105	105	28	43	256	310	452	625	87	98
25	240	115	105	105	28	33	261	288	402	636	96	56
26	187	110	106	105	28	33	259	278	381	634	94	55
27	36	110	108	105	28	42	256	249	365	641	91	58
28	35	108	106	104	27	36	185	236	352	614	95	56
29	54	110	107	105	---	38	266	248	338	253	117	77
30	74	112	108	105	---	34	264	266	318	167	175	108
31	74	---	108	105	---	34	---	315	---	205	189	---
TOTAL	5386	3344	3388	3295	2093	1018	4242	6269	13732	13728	4220	3820
MEAN	174	111	109	106	74.8	32.8	141	202	458	443	136	127
AC-FT	10680	6630	6720	6540	4150	2020	8410	12430	27240	27230	8370	7580
MAX	429	141	114	108	106	113	266	315	574	660	221	290
MIN	35	42	104	104	27	18	30	40	318	167	87	55

CAL YR 1996 TOTAL 54298 MEAN 148 MAX 677 MIN 25 AC-FT 107700
WTR YR 1997 TOTAL 64535 MEAN 177 MAX 660 MIN 18 AC-FT 128000

MAX DISCH 691 CFS AT 1600 28-JUL-1997 GH 1.98 FT. SHIFT 0.01 FT. MAX GH 1.98 FT. AT 1600 28-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06707500 SOUTH PLATTE RIVER AT SOUTH PLATTE, CO

LOCATION.--Lat 39°24'33", long 105°10'10", SE¼ sec. 25, T.7 S., R.70 W., Jefferson County, Hydrologic Unit 10190002, on left bank at South Platte, 200 ft downstream from bridge on State Highway 75, and 400 ft downstream from North Fork.

DRAINAGE AREA.--2,579 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry in a new concrete shelter and CMP well. A new cableway also installed. Satellite telemetry is maintained by the U. S. Army Corps of Engineers and the USGS.

REMARKS.--The primary record is hourly satellite readings. The record is complete. Open water record is reliable, and agrees with the chart record to within 0.02 ft. when encoder and pen corrections are applied. Discharges were estimated for Dec. 17-27 and Jan. 6-26 when the stage discharge relationship was ice affected. The Buffalo Creek flood still is creating residual problems. The record is good for open water conditions, poor for estimated winter conditions. Station maintained and record developed by Robert Cooper.

RATING TABLE.--PLASPLCO15 USED FROM 01-OCT-1996 TO 30-SEP-1997

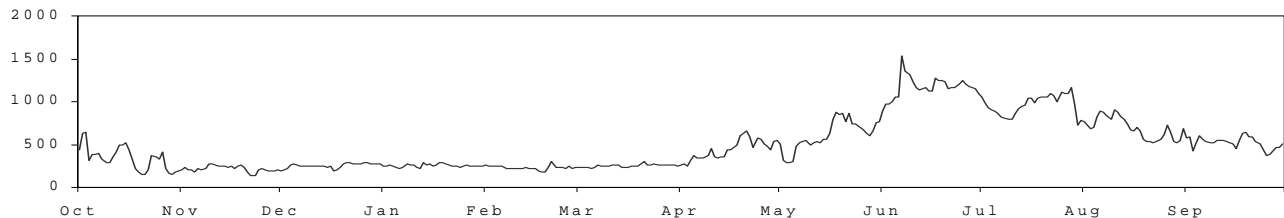
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	442	199	196	252	255	233	259	513	896	1050	768	582
2	627	229	203	253	250	230	268	314	973	992	732	595
3	642	203	217	255	248	236	253	291	978	934	687	426
4	315	200	258	249	241	232	310	284	1000	898	692	524
5	387	175	268	230	248	223	375	308	1050	894	825	607
6	389	217	260	226	248	230	340	480	1060	860	891	560
7	392	205	244	232	225	254	337	520	1530	822	882	539
8	327	226	248	277	225	252	344	538	1350	811	832	521
9	294	271	250	256	226	250	365	544	1310	799	788	524
10	290	269	252	256	223	250	446	491	1230	798	898	552
11	360	264	250	228	226	254	359	523	1170	869	874	542
12	412	250	251	223	225	263	344	537	1140	924	828	548
13	488	243	249	287	228	261	353	525	1150	944	801	536
14	497	242	246	267	221	239	363	556	1160	954	734	527
15	525	231	233	270	225	234	439	559	1130	1040	675	513
16	442	245	245	252	225	236	445	633	1130	1040	652	455
17	327	225	197	264	192	245	464	788	1270	990	696	552
18	225	253	202	281	172	244	489	870	1240	1040	661	630
19	176	259	238	281	184	243	607	852	1240	1060	558	647
20	156	235	280	278	228	276	636	866	1230	1060	539	588
21	156	172	292	261	297	297	656	772	1150	1060	534	586
22	200	140	287	244	233	259	593	859	1160	1090	523	529
23	364	140	269	252	232	263	470	734	1160	1070	538	505
24	362	209	270	232	229	272	575	744	1210	1000	567	444
25	331	220	279	252	214	261	566	703	1250	1110	612	375
26	410	199	289	255	242	255	510	676	1200	1090	723	381
27	226	196	293	251	224	261	484	624	1180	1090	650	423
28	163	186	273	251	229	262	433	597	1160	1160	536	466
29	155	198	270	253	---	265	537	656	1150	973	527	472
30	175	206	271	249	---	254	554	749	1100	729	552	512
31	194	---	270	253	---	253	---	767	---	781	680	---
TOTAL	10449	6507	7850	7870	6415	7787	13174	18873	34957	29932	21455	15661
MEAN	337	217	253	254	229	251	439	609	1165	966	692	522
AC-FT	20730	12910	15570	15610	12720	15450	26130	37430	69340	59370	42560	31060
MAX	642	271	293	287	297	297	656	870	1530	1160	898	647
MIN	155	140	196	223	172	223	253	284	896	729	523	375

CAL YR 1996 TOTAL 165164 MEAN 451 MAX 1140 MIN 133 AC-FT 327600
WTR YR 1997 TOTAL 180930 MEAN 496 MAX 1530 MIN 140 AC-FT 358900

MAX DISCH 1639 CFS AT 0830 07-JUN-1997 GH 4.93 FT. SHIFT -0.06 FT. MAX GH 4.97 FT. AT 1730 31-AUG-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06707501 SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR, CO

LOCATION.--Lat 39°26'00", long 105°07'30", SW¼SW¼ sec. 16, T.7 S., R.69 W., Douglas County, on right bank 1/4 mi downstream from Strontia Springs Dam.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry in a formed concrete shelter with inside drop tape and outside staff gage.

REMARKS.--The satellite record is the primary record and is complete and reliable. The record is rated as good. Chart gage-heights were used Nov. 18-20, 1996. Station maintained and record developed by Rodger Burcher.

RATING TABLE.--PLASTRCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

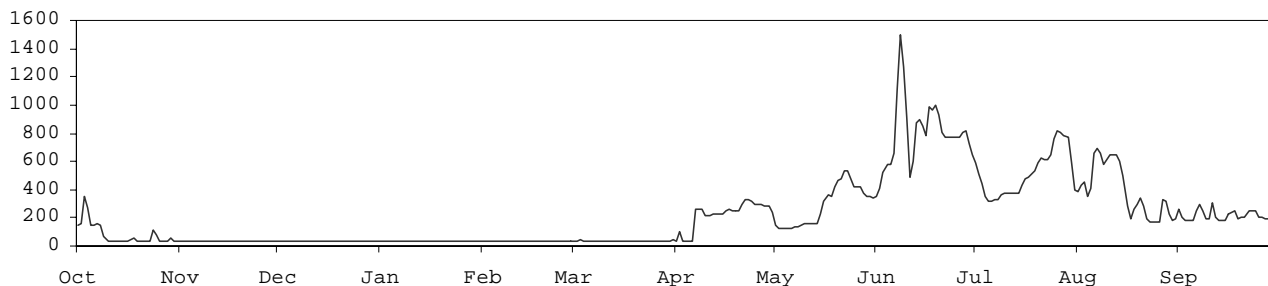
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153	31	34	33	32	36	31	152	347	593	387	265
2	155	31	34	33	32	36	100	129	411	511	433	199
3	354	31	34	33	32	41	30	123	525	447	455	186
4	267	31	34	33	32	37	35	124	582	355	354	181
5	151	30	34	33	32	38	37	124	579	320	414	181
6	151	30	34	33	33	36	33	124	662	322	654	254
7	154	31	34	33	33	36	256	132	1110	324	689	298
8	153	33	34	33	33	35	266	135	1500	325	655	244
9	70	31	34	33	33	35	261	153	1270	360	580	190
10	35	31	34	33	33	35	218	159	910	372	612	192
11	34	31	34	33	33	35	214	159	487	371	645	301
12	34	31	35	33	33	35	223	160	602	374	649	203
13	35	32	34	33	33	34	222	161	874	375	648	182
14	35	32	34	33	33	33	222	163	896	377	596	183
15	36	32	34	33	33	33	222	230	851	432	494	183
16	36	32	34	33	33	33	249	322	783	475	287	223
17	50	32	34	35	33	33	256	358	983	485	188	242
18	61	33	33	31	35	33	254	357	967	511	257	244
19	36	33	33	30	36	33	253	420	995	528	300	189
20	37	33	33	30	35	33	254	462	928	589	339	205
21	36	33	33	30	35	33	295	474	802	622	282	204
22	36	33	33	30	35	32	326	536	769	616	193	247
23	35	33	33	31	37	32	330	538	767	614	174	252
24	115	33	33	31	34	34	313	480	767	647	173	252
25	83	33	33	32	37	34	296	423	774	765	173	209
26	32	33	33	32	35	33	295	420	771	818	173	202
27	33	33	33	32	35	33	296	415	806	809	331	195
28	33	33	33	32	36	32	285	378	822	784	319	194
29	58	36	33	32	---	32	279	348	727	775	228	192
30	32	34	33	32	---	31	234	349	646	587	186	192
31	32	---	33	32	---	47	---	346	---	399	198	---
TOTAL	2562	965	1041	1000	946	1073	6585	8854	23913	15882	12066	6484
MEAN	82.6	32.2	33.6	32.3	33.8	34.6	220	286	797	512	389	216
AC-FT	5080	1910	2060	1980	1880	2130	13060	17560	47430	31500	23930	12860
MAX	354	36	35	35	37	47	330	538	1500	818	689	301
MIN	32	30	33	30	32	31	30	123	347	320	173	181

CAL YR 1996 TOTAL 60873 MEAN 166 MAX 741 MIN 30 AC-FT 120700
WTR YR 1997 TOTAL 81371 MEAN 223 MAX 1500 MIN 30 AC-FT 161400

MAX DISCH 1568 CFS AT 1700 07-JUN-1997 GH 5.86 FT. SHIFT -0.10 FT. MAX GH 5.86 FT. AT 1700 07-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



06708000 SOUTH PLATTE RIVER AT WATERTON, CO

LOCATION.--Lat 39°29'18", long 105°05'32", in NE¼ sec. 34, T.6 S., R.69 W., Jefferson County, Hydrologic Unit 10190002, on left bank 168 ft downstream from bridge on State Highway 221, 0.4 mi south of Waterton, 4.7 mi west of Louviers, and 6 mi upstream from Plum Creek.

DRAINAGE AREA.--2,621 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Datum of gage 5,484.43 ft National Geodetic Vertical Datum.

REMARKS.--The record is complete and reliable except for the period of winter record when the control and well were frozen. Period of winter record is Dec. 5, 1996-Feb. 3, 1997. The stage-discharge relation was ice affected on Nov. 17, 28-29; Dec. 1, 3-4, 1996. The satellite record is the primary record. Chart gage heights used Nov. 14-15, 17, 18-27, 30, 1996; Feb. 21-22, 24-28; Mar. 1-5; Apr. 25-27, 30; May 1, 1997. The record is rated good except for the period of missing record and periods of ice affect, which are rated poor. Station maintained and record developed by Rodger Burcher.

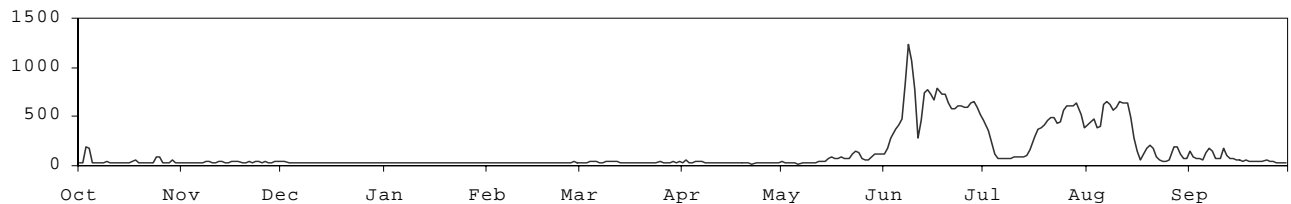
RATING TABLE.--PLAWATCO08 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	30	39	34	34	37	36	39	125	458	416	151
2	35	30	38	34	34	37	53	27	173	352	448	84
3	191	29	37	34	34	37	33	24	278	234	471	76
4	171	30	37	34	34	39	37	23	371	118	386	71
5	31	33	36	34	34	39	41	24	421	70	407	64
6	31	36	36	34	34	38	39	22	473	71	628	130
7	33	36	36	34	34	37	46	28	830	73	650	184
8	33	38	36	34	34	37	33	34	1240	69	626	144
9	39	38	36	34	34	38	31	36	1070	81	564	77
10	31	37	36	34	34	38	35	34	776	86	588	74
11	31	37	36	34	34	38	34	35	288	85	651	173
12	31	38	36	34	34	38	26	39	457	86	637	100
13	31	38	35	34	34	36	28	38	743	90	638	68
14	31	37	35	34	34	34	29	39	771	99	492	67
15	32	37	35	34	34	34	26	77	732	163	283	66
16	33	42	35	34	34	33	30	84	673	299	145	60
17	43	41	35	34	34	33	31	76	786	364	65	39
18	65	42	35	35	34	33	28	73	722	393	125	52
19	33	37	35	35	35	33	26	87	727	415	177	48
20	36	37	35	33	37	33	28	74	644	463	212	43
21	35	39	35	33	36	33	28	77	572	495	179	43
22	34	37	35	33	36	33	21	112	575	485	94	50
23	32	39	35	33	36	34	23	154	604	425	60	51
24	86	39	35	33	36	37	31	136	606	440	51	56
25	88	37	35	33	37	39	34	70	589	564	51	41
26	32	39	35	33	36	36	37	64	592	613	53	40
27	31	37	35	33	38	35	37	61	638	612	187	36
28	31	37	35	33	37	36	31	91	653	611	194	36
29	59	39	35	33	---	40	30	114	587	636	115	35
30	31	39	35	33	---	35	37	114	520	513	67	35
31	31	---	35	33	---	46	---	119	---	388	68	---
TOTAL	1484	1105	1104	1044	976	1126	979	2025	18236	9851	9728	2194
MEAN	47.9	36.8	35.6	33.7	34.9	36.3	32.6	65.3	608	318	314	73.1
AC-FT	2940	2190	2190	2070	1940	2230	1940	4020	36170	19540	19300	4350
MAX	191	42	39	35	38	46	53	154	1240	636	651	184
MIN	31	29	35	33	34	33	21	22	125	69	51	35
CAL YR 1996 TOTAL		33616	MEAN	91.8	MAX	560	MIN	12	AC-FT	66680		
WTR YR 1997 TOTAL		49852	MEAN	137	MAX	1240	MIN	21	AC-FT	98880		

MAX DISCH 1270 CFS AT 2245 07-JUN-1997 GH 2.69 FT. SHIFT 0.11 FT. MAX GH 2.69 FT. AT 2245 07-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06709610 SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR, CO

LOCATION.--Lat 39°33'26", long 105°03'27", SE¼, sec. 1, T.6 S., R.69 W., Jefferson County, Hydrologic Unit 10190002.

DRAINAGE AREA.--3,018 mi².

GAGE.--Steven's A-70 Graphic water-stage recorder with satellite telemetry with electric drop tape for reference.

REMARKS.--The record is complete and reliable and is considered good. The satellite is the primary record with the recorder chart as back-up. Chart gage heights were use on May 13-15; Aug. 11-13, 18, 22, 1997. Measurements were plotted against Rating No. 2 by computer. A hydrograph was plotted by computer. Station maintained and record developed by Rodger Burcher.

RATING TABLE.--PLACHACO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

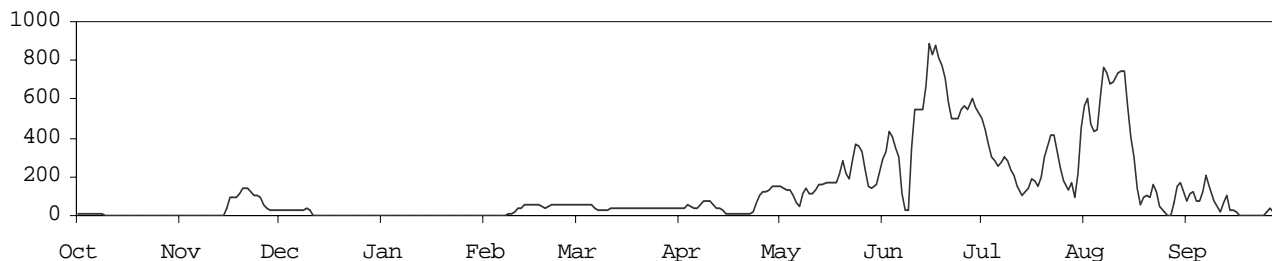
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	0.10	24	0.31	0.53	57	38	149	292	496	563	78
2	6.0	0.10	24	0.37	0.42	57	38	140	331	440	605	115
3	6.0	0.10	24	0.26	0.46	58	53	130	431	372	469	118
4	6.0	0.10	24	0.12	0.44	57	50	130	403	306	438	78
5	6.0	0.10	24	0.12	0.38	57	39	107	353	279	439	78
6	6.3	0.10	24	0.12	0.38	38	39	62	301	257	612	120
7	6.6	0.10	24	1.2	2.2	27	56	50	116	276	760	203
8	6.5	0.10	24	1.6	5.0	27	72	113	32	306	735	148
9	3.4	0.10	38	1.6	4.9	26	72	143	33	286	679	78
10	0.87	0.10	24	1.3	22	31	72	113	353	235	687	50
11	0.77	0.10	4.4	1.3	36	37	53	114	545	206	735	16
12	0.69	0.10	4.3	1.2	42	37	36	128	545	153	741	63
13	0.65	0.10	3.0	1.2	53	38	36	156	545	101	741	104
14	0.64	0.10	1.00	1.1	58	39	26	165	672	122	566	29
15	0.49	42	0.69	0.78	58	39	9.3	166	883	142	407	28
16	0.39	94	0.43	0.44	58	39	9.0	167	828	192	306	16
17	0.36	94	0.40	0.77	58	39	8.9	168	879	180	138	1.1
18	0.29	94	0.29	1.0	48	39	8.9	169	816	153	57	1.1
19	0.25	116	0.14	1.0	35	39	8.9	221	771	196	92	0.94
20	0.27	143	0.12	0.95	46	39	8.8	281	706	303	107	0.83
21	0.20	143	0.12	0.96	58	39	8.9	214	586	357	99	0.83
22	0.18	127	0.12	0.68	57	39	8.8	192	500	411	165	0.79
23	0.16	107	0.13	0.92	58	39	15	283	500	417	127	0.77
24	0.15	107	0.12	1.0	57	39	63	371	500	329	51	0.68
25	0.15	90	0.13	1.0	57	39	105	362	543	250	23	19
26	0.17	55	0.12	1.0	57	39	120	333	569	175	1.3	37
27	0.15	41	0.13	1.1	57	39	120	235	547	136	1.2	17
28	0.15	24	0.12	1.0	57	39	132	155	601	171	69	17
29	0.15	24	0.12	0.79	---	38	148	140	560	97	149	12
30	0.14	24	0.12	0.69	---	38	149	164	524	214	173	8.5
31	0.14	---	0.19	0.68	---	38	---	230	---	449	125	---
TOTAL	60.38	1326.40	270.21	26.58	986.72	1246	1603.5	5551	15265	8007	10860.5	1439.53
MEAN	1.95	44.2	8.72	0.86	35.2	40.2	53.5	179	509	258	350	48.0
AC-FT	120	2630	536	53	1960	2470	3180	11010	30280	15880	21540	2860
MAX	6.6	143	38	1.6	58	58	149	371	883	496	760	203
MIN	0.14	0.10	0.12	0.12	0.38	26	8.8	50	32	97	1.2	0.68

CAL YR 1996 TOTAL 27147.08 MEAN 74.2 MAX 548 MIN 0.10 AC-FT 53850
WTR YR 1997 TOTAL 46642.82 MEAN 128 MAX 883 MIN 0.10 AC-FT 92520

MAX DISCH 886 CFS AT 1545 14-JUN-1997 GH 3.79 FT. SHIFT -0.01 FT. MAX GH 3.79 FT. AT 1545 14-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06710500 BEAR CREEK AT MORRISON, CO

LOCATION.--Lat 39°39'11", long 105°11'43", in SE¼SW¼ sec. 35, T.4 S., R.70 W., Jefferson County, Hydrologic Unit 10190002, on left bank at Morrison, 180 ft upstream from bridge on State Highway 8 and 0.2 mi upstream from Mount Vernon Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--164 mi². Sporadic, incomplete data Sep. 1881 to Feb. 1902. Good data October 1919 to current year. Monthly data for some periods only. Some early years published as near Morrison, at Starbuck, at Idledale. Water quality data from Oct. 1976 to Sep. 1981.

GAGE.--Water-stage recorder with satellite telemetry, shaft encoder and Telemark in a 42-inch metal shelter and well with supplemental outside wire weight gage.

REMARKS.--The record is complete and reliable with the exception of the period of no record caused by frozen stilling well and control Dec. 6-31, 1996-Feb. 3, 1997. The stage-discharge relation was ice affected Dec. 5, 1996; Feb. 4-Mar. 16, 1997. The satellite record is the primary record. Record is rated as poor for periods of ice affect and missing record and rated as good for the period of reliable record. Station maintained and record developed by Rodger Burcher.

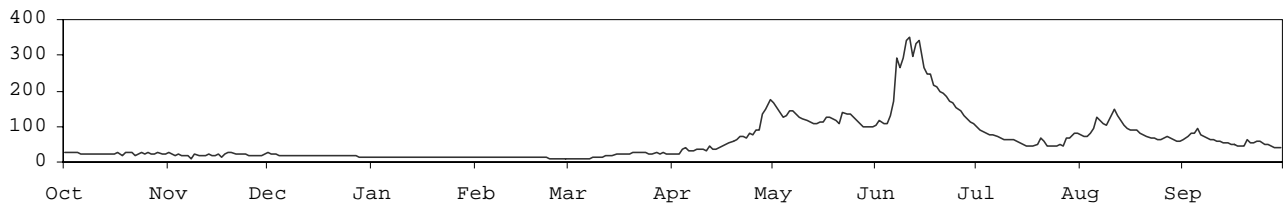
RATING TABLE.--BCRMORCO18 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	25	28	15	12	11	23	168	105	97	77	62
2	27	24	22	15	12	11	23	155	117	89	73	74
3	26	20	23	15	12	11	23	140	106	84	70	79
4	25	22	20	15	12	11	38	128	110	80	82	83
5	25	18	18	15	12	11	41	132	131	76	95	94
6	24	19	18	15	12	11	32	142	173	76	124	78
7	23	17	18	15	12	11	33	146	291	71	118	72
8	24	11	18	14	12	12	37	134	263	67	110	68
9	23	23	17	14	12	13	35	125	294	65	105	65
10	22	20	17	14	12	14	36	121	341	65	122	61
11	22	18	17	14	12	15	33	119	350	64	149	60
12	22	19	17	14	12	16	46	113	296	65	130	60
13	22	21	17	14	12	18	37	106	333	59	116	55
14	22	20	17	14	12	20	37	106	341	54	103	53
15	22	20	17	14	12	21	39	112	264	50	94	50
16	23	21	17	14	12	23	44	114	249	47	88	49
17	25	15	17	14	12	24	50	125	246	46	88	47
18	20	21	16	14	12	24	55	127	216	45	91	46
19	25	28	16	13	12	24	59	120	210	50	81	47
20	26	26	16	13	12	27	65	116	199	66	75	61
21	25	22	16	13	12	29	74	108	193	57	73	55
22	19	23	16	13	12	27	71	141	183	47	68	54
23	24	23	16	13	11	26	68	133	170	44	68	57
24	25	21	16	13	11	26	82	137	167	44	62	59
25	24	18	16	13	11	22	76	125	153	47	63	51
26	26	19	16	13	11	23	89	116	142	51	67	48
27	23	19	16	13	11	26	92	106	132	45	70	47
28	24	20	15	13	11	24	136	101	123	69	68	42
29	26	18	15	13	---	26	150	99	114	68	63	39
30	22	24	15	12	---	21	177	100	106	81	58	39
31	24	---	15	12	---	21	---	99	---	80	57	---
TOTAL	739	615	538	426	330	599	1801	3814	6118	1949	2708	1755
MEAN	23.8	20.5	17.4	13.7	11.8	19.3	60.0	123	204	62.9	87.4	58.5
AC-FT	1470	1220	1070	845	655	1190	3570	7570	12140	3870	5370	3480
MAX	29	28	28	15	12	29	177	168	350	97	149	94
MIN	19	11	15	12	11	11	23	99	105	44	57	39
CAL YR 1996 TOTAL		11123	MEAN	30.4	MAX	122	MIN	10	AC-FT	22060		
WTR YR 1997 TOTAL		21392	MEAN	58.6	MAX	350	MIN	11	AC-FT	42430		

MAX DISCH 485 CFS AT 2330 13-JUN-1997 GH 6.06 FT. SHIFT -0.26 FT. MAX GH 6.07 FT. AT 2100 07-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06711500 BEAR CREEK AT MOUTH, AT SHERIDAN, CO

LOCATION.--Lat 39°39'08", long 105°01'57", in NW¼NW¼ sec. 5, T,5 S., R.68 W., Arapahoe County, Hydrologic Unit 10190002 on left bank just downstream from bridge on South Lowell Blvd., at Highway Department maintenance building at northwest city limits of Sheridan, 1.3 mi upstream from mouth, and 2.1 mi west of city hall in Englewood.

DRAINAGE AREA AND PERIOD OF RECORD.--260 mi². April to Nov. 1914, March 1927 to current year. Monthly data only prior to Oct. 1933.

GAGE.--Water-stage recorder with satellite telemetry, shaft encoder and Telemark in a 42-inch metal shelter and well with supplemental outside wire weight gage.

REMARKS.--The stage-discharge relation was affected by ice on Dec. 17-28, 1996; Jan. 7, 9-18, ; Feb. 18-25, 1997. Estimated values were used Nov. 16-18, 28-30; Dec. 1-2, 1996 due to lack of both satellite and chart records. The satellite record is the primary record. The following chart values were used: Jan. 19-20; Apr. 30; May 1-2, 31; June 1-2, 1997. Record is rated as good except for periods of missing record and ice affect, which is rated as poor to fair. Station maintained and record developed by Rodger Burcher.

RATING TABLE.--BCRSHECO31 USED FROM 01-OCT-1996 TO 30-SEP-1997

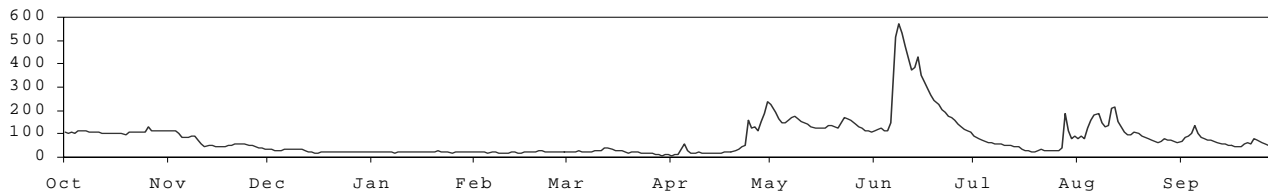
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	113	34	22	24	24	8.1	226	111	89	82	67
2	103	115	32	22	24	24	10	192	121	78	92	86
3	107	116	31	24	23	25	8.6	162	127	73	80	92
4	102	100	27	25	20	26	33	149	114	66	126	100
5	114	86	27	21	19	21	56	149	113	62	157	135
6	111	87	35	20	21	21	28	158	149	60	183	103
7	112	86	36	21	21	22	17	170	516	58	186	86
8	109	88	35	19	19	23	19	173	569	56	149	79
9	108	90	35	21	18	26	20	162	531	57	129	76
10	108	71	33	22	18	27	16	151	477	53	138	71
11	108	59	32	22	19	27	17	145	424	50	210	66
12	104	48	27	22	20	38	15	142	375	50	216	63
13	104	49	24	22	21	40	16	132	387	47	155	58
14	104	49	22	22	18	32	18	123	431	43	130	55
15	104	48	18	22	19	28	16	124	353	35	109	52
16	103	48	19	22	20	28	18	123	321	30	97	49
17	104	48	24	22	21	28	20	127	296	27	95	47
18	104	48	24	22	25	22	21	135	267	22	108	44
19	99	49	24	22	24	19	22	134	245	22	101	46
20	105	53	24	25	30	21	26	130	225	28	88	58
21	110	55	24	29	31	23	36	123	203	35	83	60
22	110	54	24	23	23	23	48	148	191	29	79	59
23	106	58	24	22	24	18	50	172	176	31	73	79
24	109	55	24	21	24	19	158	163	167	26	68	72
25	107	51	24	19	22	17	127	161	161	26	63	64
26	128	49	24	21	25	15	128	144	142	28	67	56
27	113	43	24	21	24	12	112	133	128	39	80	52
28	112	41	23	20	25	10	154	125	120	184	73	49
29	113	38	23	21	---	8.1	187	116	116	111	74	46
30	111	36	23	20	---	8.5	235	115	106	81	67	43
31	111	---	23	21	---	8.8	---	110	---	88	63	---
TOTAL	3348	1931	823	678	622	684.4	1639.7	4517	7662	1684	3421	2013
MEAN	108	64.4	26.5	21.9	22.2	22.1	54.7	146	255	54.3	110	67.1
AC-FT	6640	3830	1630	1340	1230	1360	3250	8960	15200	3340	6790	3990
MAX	128	116	36	29	31	40	235	226	569	184	216	135
MIN	99	36	18	19	18	8.1	8.1	110	106	22	63	43

CAL YR 1996 TOTAL 15997.6 MEAN 43.7 MAX 295 MIN 6.4 AC-FT 31730
WTR YR 1997 TOTAL 29023.1 MEAN 79.5 MAX 569 MIN 8.1 AC-FT 57570

MAX DISCH 1230 CFS AT 1800 28-JUL-1997 GH 5.49 FT. SHIFT -0.04 FT. MAX GH 5.49 FT. AT 1800 28-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06714000 SOUTH PLATTE RIVER AT DENVER, CO

LOCATION.--Lat 39°45'35", long 105°00'10", in NW¼SE¼ sec. 28, T.3 S., R.68 W., Denver County, Hydrologic Unit 10190003, on right bank 90 ft Upstream from Nineteenth Street Bridge in Denver and 0.4 mi downstream from Cherry Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--3,861 mi². May 1889 to Oct. 1890 sporadic record. July 1895 to current year continuous. Monthly data only for some periods.

GAGE.--Water-stage recorder with satellite telemetry in 60-inch steel shelter and well with Telemark and supplemental outside wire weight gage.

REMARKS.--The record is complete and reliable. The satellite record is the primary record. No apparent ice days due to an open winter. Record is considered good. Station maintained and record developed by Rodger Burcher.

RATING TABLE.--PLADENCO31 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	209	180	141	82	87	189	98	461	459	684	934	326
2	207	183	132	89	90	172	182	443	536	569	872	321
3	208	184	126	89	91	167	122	401	587	575	675	360
4	193	184	118	97	84	163	530	385	610	470	954	588
5	200	149	120	93	82	152	471	371	539	455	1230	639
6	207	154	124	91	86	152	194	338	856	422	1290	357
7	209	158	136	92	92	126	160	314	1330	420	1020	441
8	201	157	126	91	91	121	177	325	717	459	906	399
9	202	160	133	97	85	123	197	399	671	440	888	270
10	198	161	149	93	80	123	196	346	766	393	864	252
11	194	132	115	83	100	132	214	342	972	338	1550	191
12	181	118	101	77	116	135	164	361	932	329	1050	186
13	174	115	102	81	131	141	153	371	1390	236	934	295
14	185	116	93	77	135	138	140	449	1160	222	813	205
15	185	135	90	91	141	126	124	407	1230	250	620	186
16	182	235	94	83	133	119	116	380	1130	274	603	185
17	177	222	74	77	143	122	116	373	1140	308	533	161
18	189	226	78	89	199	114	124	455	1110	257	445	160
19	175	220	73	98	187	108	127	432	1030	275	348	186
20	189	270	86	95	169	106	126	493	955	392	376	236
21	191	276	100	101	199	107	134	468	842	467	304	202
22	184	272	119	90	175	111	152	577	735	482	357	219
23	182	244	105	88	181	101	172	570	804	562	350	533
24	183	240	94	83	171	147	1270	610	754	486	258	250
25	188	233	90	79	162	145	666	621	757	545	235	202
26	414	194	91	83	181	109	534	569	778	378	236	250
27	228	184	90	82	171	100	424	524	734	775	231	237
28	199	148	90	83	163	82	407	401	742	1690	222	223
29	196	136	88	103	---	94	447	375	766	918	374	210
30	198	150	88	87	---	91	476	352	670	586	350	203
31	202	---	91	82	---	94	---	414	---	1270	335	---
TOTAL	6230	5536	3257	2726	3725	3910	8413	13327	25702	15927	20157	8473
MEAN	201	185	105	87.9	133	126	280	430	857	514	650	282
AC-FT	12360	10980	6460	5410	7390	7760	16690	26430	50980	31590	39980	16810
MAX	414	276	149	103	199	189	1270	621	1390	1690	1550	639
MIN	174	115	73	77	80	82	98	314	459	222	222	160

CAL YR 1996 TOTAL 79218 MEAN 216 MAX 1780 MIN 73 AC-FT 157100
WTR YR 1997 TOTAL 117383 MEAN 322 MAX 1690 MIN 73 AC-FT 232800

MAX DISCH 6223 CFS AT 1645 11-AUG-1997 GH 8.64 FT. SHIFT -0.03 FT. MAX GH 8.64 FT. AT 1645 11-AUG-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

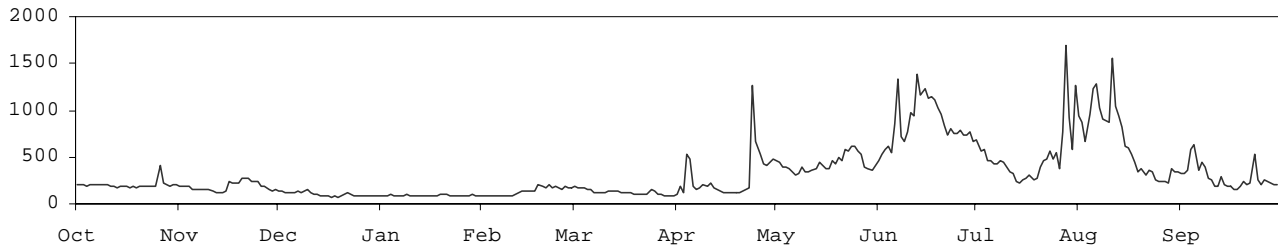


PLATE RIVER BASIN

STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL

LOCATION.-- Lat 39°40'45", long 105°54'12"

DRAINAGE AREA.--Eisenhower Tunnel seepage.

GAGE.--12 in. Parshall Flume.

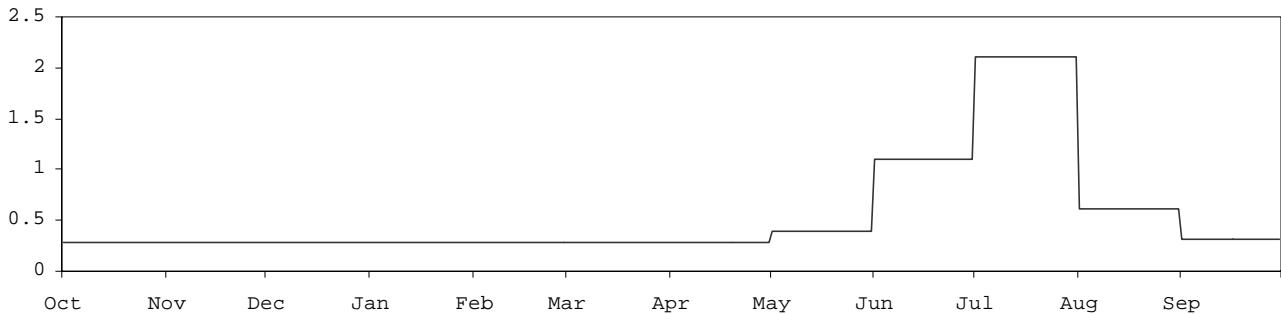
REMARKS.--User supplied information. Flow represents average daily flows for month.

RATING TABLE.--STCTUNCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
2	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
3	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
4	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
5	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
6	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
7	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
8	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
9	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
10	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
11	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
12	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
13	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
14	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
15	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
16	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
17	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
18	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
19	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
20	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
21	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
22	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
23	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
24	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
25	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
26	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
27	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
29	0.29	0.29	0.29	0.29	---	0.29	0.29	0.39	1.1	2.1	0.61	0.32
30	0.29	0.29	0.29	0.29	---	0.29	0.29	0.39	1.1	2.1	0.61	0.32
31	0.29	---	0.29	0.29	---	0.29	---	0.39	---	2.1	0.61	---
TOTAL	8.99	8.70	8.99	8.99	8.12	8.99	8.70	12.09	33.0	65.1	18.91	9.60
MEAN	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.10	2.10	0.61	0.32
AC-FT	18	17	18	18	16	18	17	24	65	129	38	19
MAX	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
MIN	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.39	1.1	2.1	0.61	0.32
CAL YR 1996 TOTAL		195.78	MEAN	0.53	MAX	1.6	MIN	0.29	AC-FT	388		
WTR YR 1997 TOTAL		200.18	MEAN	0.55	MAX	2.1	MIN	0.29	AC-FT	397		

MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06720000 CLEAR CREEK AT DERBY, CO

LOCATION.--Lat 39°49'42", long 104°57'30", in SW¼SW¼ sec. 36, T.2 S., R.68 W., Adams County, Hydrologic Unit 10190004, on right bank 875 ft downstream from York Street bridge, 0.5 mi upstream from mouth, and 2.5 mi west of Derby.

DRAINAGE AREA.--575 mi².

GAGE.--Graphic water-stage recorder with satellite monitoring DCP with digital shaft encoder and Telemark in a 60 inch corrugated metal shelter and well. New station location on June 26, 1992. Primary reference is by electric drop tape.

REMARKS.--The record is complete and reliable except for Jan. 8-31; Feb. 1-4, 1997 when control and well frozen. The stage-discharge relation was ice affected Dec. 17-31, 1996; Jan. 1-7, 1997. The satellite record is the primary record. Chart values were used Oct. 10, 26-31, 1996; Apr. 25, 27-30; May 5-11, 14, 1997. Station maintained and record developed by Rodger Burcher.

RATING TABLE.--CLEDERCO33 USED FROM 01-OCT-1996 TO 30-SEP-1997

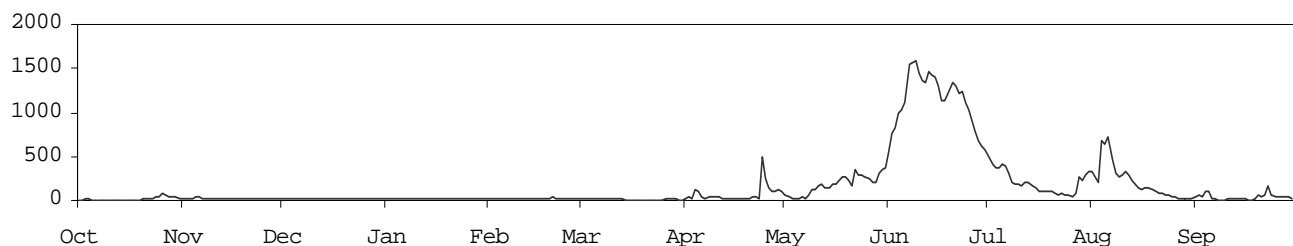
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	30	20	15	15	24	15	65	564	516	337	40
2	7.6	22	24	15	15	21	44	37	771	419	258	65
3	12	13	20	15	15	21	25	24	821	378	210	49
4	15	20	16	12	15	21	116	11	984	362	671	98
5	8.5	38	16	11	16	22	110	22	1040	406	642	95
6	5.6	36	15	13	23	21	38	32	1110	385	727	15
7	6.8	21	17	14	20	20	24	29	1540	307	461	11
8	7.4	19	16	15	18	19	31	56	1570	198	313	9.6
9	7.7	22	15	15	17	19	47	121	1590	183	276	9.4
10	7.0	22	16	15	17	20	33	133	1440	187	295	9.2
11	6.2	16	16	15	18	20	34	172	1360	173	336	17
12	6.0	23	16	15	19	19	25	177	1350	205	280	19
13	6.3	26	16	15	18	13	24	143	1470	208	231	16
14	6.6	25	15	15	18	6.4	24	149	1420	175	182	14
15	6.4	23	13	15	15	7.3	22	184	1400	139	152	13
16	5.8	29	14	15	14	6.7	22	193	1300	105	133	11
17	5.5	24	15	15	15	6.4	14	227	1140	97	137	10
18	4.5	26	15	15	27	5.8	13	259	1130	93	153	10
19	7.6	28	15	15	24	4.7	14	271	1210	95	128	28
20	15	21	15	15	34	4.5	16	227	1330	106	100	66
21	22	20	15	15	26	4.5	31	170	1290	76	79	46
22	17	20	15	15	20	4.8	42	352	1220	61	91	58
23	22	19	15	15	22	4.9	27	292	1240	75	66	167
24	41	18	15	15	19	10	486	280	1120	63	54	69
25	39	19	14	15	19	8.7	239	263	1040	55	48	39
26	88	21	14	15	26	14	140	253	903	49	41	32
27	52	23	15	15	24	12	101	196	778	86	27	35
28	44	21	15	15	24	12	111	205	688	269	15	35
29	41	19	15	15	---	13	120	310	617	235	14	32
30	41	16	15	15	---	9.1	104	349	580	298	19	28
31	29	---	15	15	---	9.0	---	370	---	326	24	---
TOTAL	590.7	680	488	455	553	403.8	2092	5572	34016	6330	6500	1146.2
MEAN	19.1	22.7	15.7	14.7	19.8	13.0	69.7	180	1134	204	210	38.2
AC-FT	1170	1350	968	902	1100	801	4150	11050	67470	12560	12890	2270
MAX	88	38	24	15	34	24	486	370	1590	516	727	167
MIN	4.5	13	13	11	14	4.5	13	11	564	49	14	9.2

CAL YR 1996 TOTAL 42976.4 MEAN 117 MAX 1090 MIN 4.5 AC-FT 85240
WTR YR 1997 TOTAL 58826.7 MEAN 161 MAX 1590 MIN 4.5 AC-FT 116700

MAX DISCH 2114 CFS AT 1930 04-AUG-1997 GH 4.10 FT. SHIFT 0.08 FT. MAX GH 4.10 FT. AT 1930 04-AUG-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06720500 SOUTH PLATTE RIVER AT HENDERSON, CO

LOCATION --Lat 39°55'19", long 104°52'00", in SE¼NE¼ sec. 34, T.1 S., R.67 W., Adams County, Hydrologic Unit 10190003, on right bank 500 ft upstream from bridge on State Highway 22 and 0.2 mi northwest of Henderson.

PERIOD OF RECORD AND DRAINAGE AREA --4,713 mi². May 1926 to current year. Monthly data only prior to 1933. Periodic water quality data available starting in 1955.

GAGE --Water-stage recorder with satellite telemetry, shaft encoder and Telemark in a 42-inch metal pipe shelter with electric drop tape and outside wire weight as additional reference.

REMARKS --The satellite record is the primary record. Record is complete and reliable. Record is rated as good, except for period Apr. 3-May 8, 1997, which is rated as fair. Chart values were used on Apr. 27-30; May 1-2; Jun. 20-22; Sep. 7-9, 1997. Station maintained and record developed by Rodger Burcher.

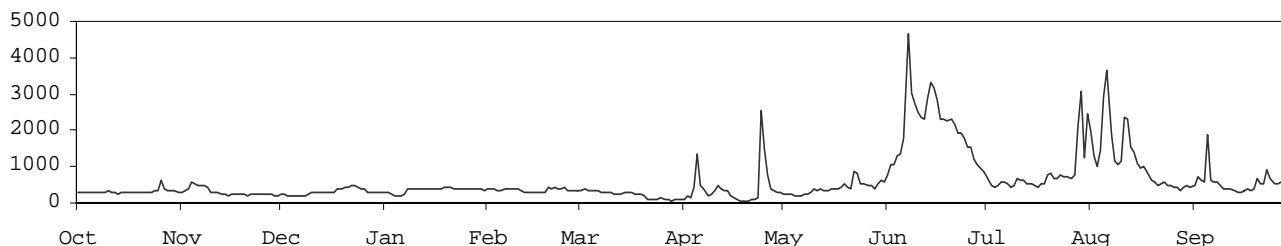
RATING TABLE --PLAHENCO29 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	294	290	221	286	361	356	74	264	755	703	1990	488
2	272	317	233	279	369	367	188	247	1040	471	1310	706
3	280	373	214	247	372	338	164	234	1080	437	1010	635
4	279	557	209	203	356	338	452	214	1300	492	1440	573
5	279	519	208	192	352	342	1360	212	1330	553	2910	1870
6	282	479	205	199	373	341	491	214	1800	581	3670	612
7	291	465	207	252	382	311	383	220	4650	520	1890	562
8	305	459	211	387	384	278	198	224	3040	421	1170	562
9	301	438	261	389	374	279	240	305	2720	487	1050	458
10	318	290	299	388	380	276	343	362	2520	650	1130	399
11	295	286	301	380	350	252	490	357	2370	639	2370	382
12	276	271	297	383	284	247	403	398	2300	630	2290	365
13	264	232	297	399	272	254	346	358	2880	549	1550	331
14	285	219	300	393	278	292	316	355	3310	519	1410	310
15	287	212	298	401	284	295	179	381	3180	467	1090	291
16	285	258	301	394	277	274	136	366	2840	451	945	342
17	282	233	296	379	273	251	109	388	2320	551	1030	395
18	275	247	374	395	282	243	61	424	2310	526	856	359
19	277	235	387	416	439	241	31	530	2260	770	610	388
20	281	227	415	428	378	199	51	440	2330	799	555	664
21	304	210	441	422	425	113	88	380	2140	692	478	507
22	291	218	473	385	369	92	106	886	1920	655	535	520
23	292	217	468	386	376	88	121	819	1900	774	570	894
24	326	220	427	370	423	118	2560	552	1760	738	483	688
25	323	219	390	367	351	137	1500	524	1530	720	467	523
26	621	218	384	370	357	92	782	499	1530	679	438	536
27	398	222	309	366	352	77	375	457	1180	778	414	564
28	348	223	301	364	349	71	317	403	1040	2100	325	538
29	339	201	290	375	---	88	304	537	962	3060	449	515
30	327	211	291	373	---	97	297	622	851	1240	485	486
31	304	---	289	359	---	85	---	574	---	2440	444	---
TOTAL	9581	8766	9597	10927	9822	6832	12465	12746	61148	25092	35364	16463
MEAN	309	292	310	352	351	220	416	411	2038	809	1141	549
AC-FT	19000	17390	19040	21670	19480	13550	24720	25280	121300	49770	70140	32650
MAX	621	557	473	428	439	367	2560	886	4650	3060	3670	1870
MIN	264	201	205	192	272	71	31	212	755	421	325	291
CAL YR 1996 TOTAL		152956	MEAN	418	MAX	3600	MIN	89	AC-FT	303400		
WTR YR 1997 TOTAL		218803	MEAN	599	MAX	4650	MIN	31	AC-FT	434000		

MAX DISCH 7959 CFS AT 0100 29-JUL-1997 GH 8.46 FT. SHIFT -0.13 FT. MAX GH 8.46 FT. AT 0100 29-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

SOUTH ST. VRAIN NEAR CREEK WARD, CO

LOCATION.--Lat 40°05'27", long 105°30'50"

DRAINAGE AREA.--

GAGE.--Graphic water-stage recorder with satellite monitoring. DCP is primary record with chart as backup.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 21-23; Nov. 5-8, 1996 when ice in well closed station; Nov. 9, 1996-May 19, 1997 when station was closed for winter; May 20, 1997 partial day record when station was opened for year. The stage-discharge relation was affected by ice on Oct. 27, 30-31; Nov. 1-2, 1996; May 21-27, 1997. Graphic chart record was used on Oct. 25-31; Nov. 1-4, 1996 when DCP data was low or not available. The record is good, except for period of no gage-height record and ice affected day, which is fair. This is a partial year record. Station maintained and record developed by Fred Renner.

RATING TABLE.--SSVWARCO09 USED FROM 01-OCT-1996 TO 30-SEP-1997

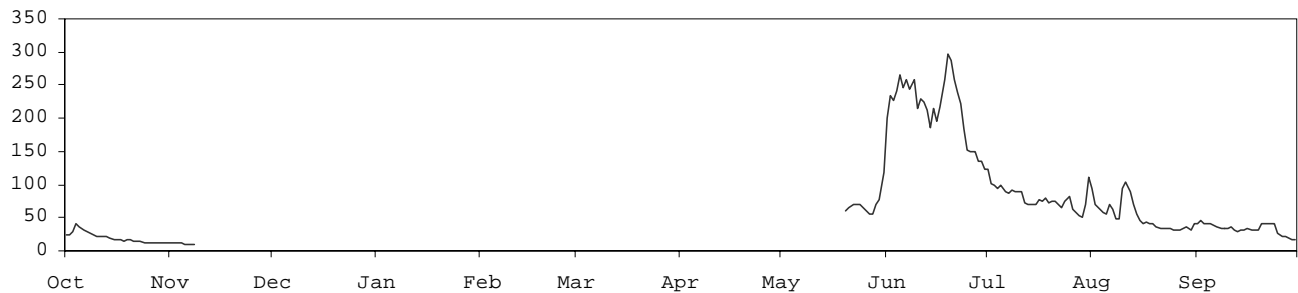
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	12	---	---	---	---	---	---	201	123	93	42
2	24	12	---	---	---	---	---	---	234	101	70	46
3	28	12	---	---	---	---	---	---	226	100	62	41
4	42	11	---	---	---	---	---	---	241	93	57	41
5	35	10	---	---	---	---	---	---	266	98	56	40
6	32	10	---	---	---	---	---	---	246	90	71	39
7	29	9.0	---	---	---	---	---	---	258	88	62	36
8	26	9.0	---	---	---	---	---	---	243	91	49	34
9	24	---	---	---	---	---	---	---	258	90	49	33
10	22	---	---	---	---	---	---	---	214	89	94	34
11	22	---	---	---	---	---	---	---	229	89	104	35
12	21	---	---	---	---	---	---	---	225	73	90	32
13	21	---	---	---	---	---	---	---	212	71	70	30
14	20	---	---	---	---	---	---	---	185	71	55	31
15	18	---	---	---	---	---	---	---	216	70	45	32
16	17	---	---	---	---	---	---	---	196	78	41	34
17	17	---	---	---	---	---	---	---	218	76	43	31
18	15	---	---	---	---	---	---	---	259	80	41	31
19	18	---	---	---	---	---	---	---	298	72	40	32
20	16	---	---	---	---	---	---	60	287	76	36	41
21	15	---	---	---	---	---	---	65	259	75	34	42
22	14	---	---	---	---	---	---	70	240	70	33	40
23	14	---	---	---	---	---	---	70	221	65	33	41
24	13	---	---	---	---	---	---	70	184	76	33	41
25	13	---	---	---	---	---	---	65	153	81	32	27
26	13	---	---	---	---	---	---	60	150	63	32	21
27	12	---	---	---	---	---	---	55	149	57	32	21
28	12	---	---	---	---	---	---	56	136	54	33	19
29	13	---	---	---	---	---	---	69	135	50	35	17
30	13	---	---	---	---	---	---	77	123	71	32	16
31	13	---	---	---	---	---	---	118	---	111	41	---
TOTAL	617								6462	2492	1598	1000
MEAN	19.9								215	80.4	51.5	33.3
AC-FT	1220								12820	4940	3170	1980
MAX	42								298	123	104	46
MIN	12								123	50	32	16

CAL YR 1996 TOTAL		MEAN		MAX		MIN		AC-FT	4580
WTR YR 1997 TOTAL	12169	MEAN	33.3	MAX	298	MIN	12	AC-FT	24140

MAX DISCH 352 CFS AT 2330 19-JUN-1997 GH 3.19 FT. SHIFT -0.11 FT. MAX GH 3.19 FT. AT 2330 19-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

LEFTHAND DIVERSION AT SO. ST. VRAIN CREEK NEAR WARD, CO

LOCATION.--Lat 40°05'29", long 105°30'31"

DRAINAGE AREA.--

GAGE.--A-71 graphic water-stage recorder in a 42-inch corrugated shelter and concrete well. Chart is the primary record.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 22-23, 1996 when float was frozen in well and closed station for winter; Estimated discharge for period Oct. 24-31; Nov. 1-8, 1996 using So. St. Vrain data. Nov. 9, 1996-May 19, 1997 station was not active. Chart gage-heights were used on May 21-29; June 13, 16, 18, 27-30; July 1-3, 1997 because DCP was not set up or low values. The record is good, except for period of no gage-height record and ice effect, which is fair. Station maintained and record developed by Fred Renner.

RATING TABLE.--LEFTHDCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

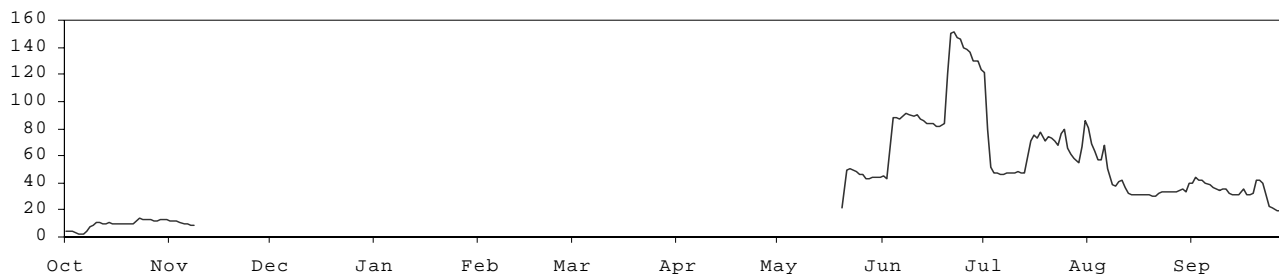
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	12	---	---	---	---	---	---	45	121	81	40
2	4.0	12	---	---	---	---	---	---	43	80	69	44
3	3.8	12	---	---	---	---	---	---	66	52	63	42
4	2.7	11	---	---	---	---	---	---	88	47	57	42
5	2.4	10	---	---	---	---	---	---	88	47	57	40
6	2.3	10	---	---	---	---	---	---	87	46	68	39
7	4.7	9.0	---	---	---	---	---	---	89	46	51	36
8	7.1	9.0	---	---	---	---	---	---	91	47	39	35
9	9.1	---	---	---	---	---	---	---	90	47	38	34
10	11	---	---	---	---	---	---	---	89	47	41	35
11	11	---	---	---	---	---	---	---	90	48	42	35
12	10	---	---	---	---	---	---	---	87	47	36	32
13	10	---	---	---	---	---	---	---	86	47	32	31
14	11	---	---	---	---	---	---	---	84	59	31	31
15	10	---	---	---	---	---	---	---	84	71	31	31
16	10	---	---	---	---	---	---	---	84	75	31	35
17	10	---	---	---	---	---	---	---	82	73	31	31
18	10	---	---	---	---	---	---	---	82	77	31	31
19	10	---	---	---	---	---	---	---	84	71	31	32
20	9.8	---	---	---	---	---	---	22	120	74	30	42
21	10	---	---	---	---	---	---	49	150	73	30	42
22	12	---	---	---	---	---	---	50	151	71	32	40
23	14	---	---	---	---	---	---	49	147	68	33	31
24	13	---	---	---	---	---	---	48	146	76	33	23
25	13	---	---	---	---	---	---	46	140	80	33	22
26	13	---	---	---	---	---	---	46	138	66	33	19
27	12	---	---	---	---	---	---	43	136	61	33	19
28	12	---	---	---	---	---	---	43	130	58	34	18
29	13	---	---	---	---	---	---	44	130	55	35	16
30	13	---	---	---	---	---	---	44	124	67	33	15
31	13	---	---	---	---	---	---	44	---	86	40	---
TOTAL	291.3								3051	1983	1259	963
MEAN	9.40								102	64.0	40.6	32.1
AC-FT	578								6050	3930	2500	1910
MAX	14								151	121	81	44
MIN	2.3								43	46	30	15

CAL YR 1996 TOTAL MEAN MAX MIN AC-FT 12480
WTR YR 1997 TOTAL 7547.3 MEAN 20.7 MAX 151 MIN 2.3 AC-FT 14970

MAX DISCH 163 CFS AT 1900 20-JUN-1997 GH 2.30 FT. SHIFT -0.05 FT. MAX GH 2.30 FT. AT 1900 20-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

BEAVER CREEK ABOVE BEAVER RESERVOIR

LOCATION.--Lat 40°07'00", long 105°31'18"

DRAINAGE AREA.--

GAGE.--Graphic water-stage recorder installed on May 21, 1992 for administration purposes.

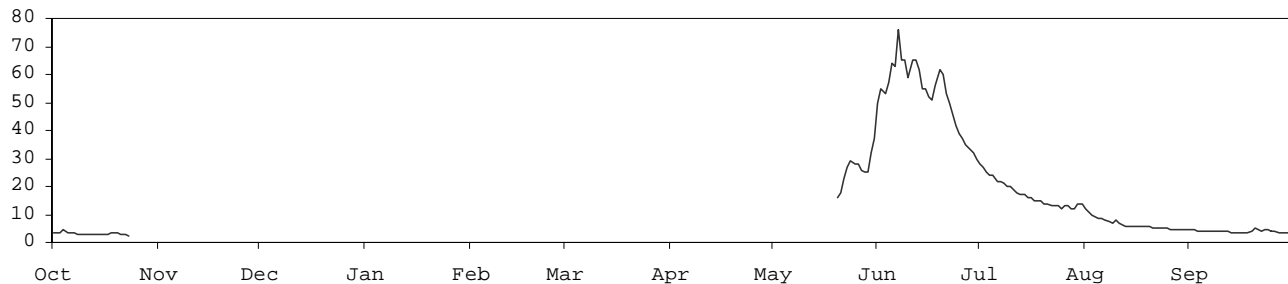
REMARKS.--Record is complete and reliable except for the following periods: Partial record on Oct. 23, 1996 when station was closed; Oct. 24, 1996-May 19, 1997 when station was closed for winter; Partial record on May 20, 1997 when station was opened. The stage discharge relation was affected by ice on Oct. 21-22, 1996. The record is good, except for periods of no gage-height record and ice affected days which are fair. Station maintained and record developed by Fred Renner.

RATING TABLE.--BEAVERCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	---	---	---	---	---	---	---	50	28	12	4.3
2	3.5	---	---	---	---	---	---	---	55	27	11	4.3
3	3.6	---	---	---	---	---	---	---	53	25	9.6	4.2
4	4.7	---	---	---	---	---	---	---	57	24	9.2	4.2
5	3.7	---	---	---	---	---	---	---	64	24	8.7	4.1
6	3.4	---	---	---	---	---	---	---	63	22	8.8	4.1
7	3.2	---	---	---	---	---	---	---	76	22	8.1	3.9
8	3.1	---	---	---	---	---	---	---	65	21	7.3	3.9
9	3.1	---	---	---	---	---	---	---	65	20	7.1	3.8
10	3.1	---	---	---	---	---	---	---	59	20	7.8	3.8
11	3.1	---	---	---	---	---	---	---	65	19	7.0	3.8
12	3.0	---	---	---	---	---	---	---	65	18	6.4	3.8
13	3.0	---	---	---	---	---	---	---	62	17	5.9	3.6
14	3.0	---	---	---	---	---	---	---	55	17	6.0	3.6
15	3.0	---	---	---	---	---	---	---	55	16	5.9	3.5
16	3.1	---	---	---	---	---	---	---	52	16	5.9	3.6
17	3.1	---	---	---	---	---	---	---	51	15	5.7	3.5
18	3.2	---	---	---	---	---	---	---	56	15	5.5	3.5
19	3.5	---	---	---	---	---	---	---	62	15	5.5	3.8
20	3.4	---	---	---	---	---	---	16	60	14	5.7	5.0
21	2.8	---	---	---	---	---	---	18	53	14	5.3	4.5
22	2.8	---	---	---	---	---	---	23	50	13	5.2	4.2
23	2.5	---	---	---	---	---	---	27	46	13	5.2	4.3
24	---	---	---	---	---	---	---	29	42	13	4.9	4.3
25	---	---	---	---	---	---	---	28	39	12	5.0	3.9
26	---	---	---	---	---	---	---	28	37	13	4.8	3.8
27	---	---	---	---	---	---	---	26	35	13	4.7	3.6
28	---	---	---	---	---	---	---	25	33	12	4.7	3.5
29	---	---	---	---	---	---	---	25	32	12	4.5	3.4
30	---	---	---	---	---	---	---	32	30	14	4.3	3.4
31	---	---	---	---	---	---	---	37	---	14	4.3	---
TOTAL									1587	538	202.0	117.2
MEAN									52.9	17.4	6.52	3.91
AC-FT									3150	1070	401	232
MAX									76	28	12	5.0
MIN									30	12	4.3	3.4
CAL YR 1996 TOTAL			MEAN		MAX		MIN		AC-FT	11330		
WTR YR 1997 TOTAL	2444.2		MEAN	6.70	MAX	76	MIN	3.4	AC-FT	4850		
MAX DISCH	96 CFS AT 0500 07-JUN-1997	GH	3.28 FT.	SHIFT	0.06 FT.	MAX GH	3.28 FT.	AT 0500 07-JUN-1997				

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

NORTH ST. VRAIN CREEK AT TOWN OF LYONS DIVERSION

LOCATION.--lat. 40°14'55", long 105°17'40"

DRAINAGE AREA AND PERIOD OF RECORD.--N/A, Established station on April 15, 1997.

GAGE.--Graphic water stage recorder and 8210 DCP and SDI shaft encoder in 36-inch concrete shelter and well.

REMARKS.--Record is complete and reliable except for the following periods: Partial record on Apr. 15, 1997 when station was opened; Apr. 27-28, 1997 when clock stopped; June 12-24; July 4-10, 1997 when recorder malfunctioned; July 17; Aug. 5-8, 1997 when recorder malfunctioned and shaft encoder missing data. The record is good, except for periods of no gage-height record, which is fair to poor. Station maintained and record developed by Fred Renner.

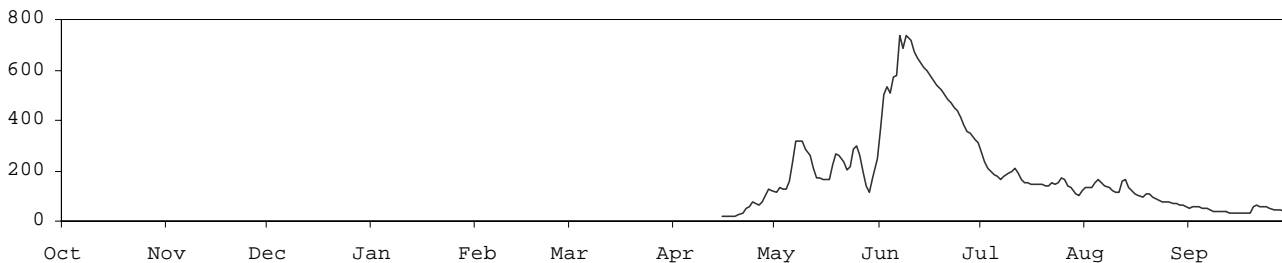
RATING TABLE.--LYODIVCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	112	371	271	135	52
2	---	---	---	---	---	---	---	132	502	233	135	55
3	---	---	---	---	---	---	---	130	533	211	134	56
4	---	---	---	---	---	---	---	130	510	195	150	55
5	---	---	---	---	---	---	---	157	572	185	165	53
6	---	---	---	---	---	---	---	235	578	175	155	50
7	---	---	---	---	---	---	---	316	738	165	140	44
8	---	---	---	---	---	---	---	316	683	175	135	39
9	---	---	---	---	---	---	---	318	738	190	121	35
10	---	---	---	---	---	---	---	285	715	200	114	35
11	---	---	---	---	---	---	---	259	670	210	113	35
12	---	---	---	---	---	---	---	208	650	191	158	35
13	---	---	---	---	---	---	---	173	630	165	162	31
14	---	---	---	---	---	---	---	169	610	154	136	31
15	---	---	---	---	---	---	20	167	595	153	122	30
16	---	---	---	---	---	---	21	166	575	149	107	30
17	---	---	---	---	---	---	22	164	560	147	101	30
18	---	---	---	---	---	---	22	222	540	147	97	29
19	---	---	---	---	---	---	22	266	520	145	107	32
20	---	---	---	---	---	---	23	263	500	140	109	56
21	---	---	---	---	---	---	34	233	485	139	98	64
22	---	---	---	---	---	---	49	201	470	153	92	59
23	---	---	---	---	---	---	57	218	450	146	84	59
24	---	---	---	---	---	---	75	287	440	154	76	58
25	---	---	---	---	---	---	69	299	414	171	76	51
26	---	---	---	---	---	---	65	263	383	167	76	45
27	---	---	---	---	---	---	75	199	355	142	72	46
28	---	---	---	---	---	---	100	137	352	131	71	43
29	---	---	---	---	---	---	128	112	324	107	66	41
30	---	---	---	---	---	---	121	173	309	101	62	39
31	---	---	---	---	---	---	---	245	---	122	55	---
TOTAL								6555	15772	5134	3424	1318
MEAN								211	526	166	110	43.9
AC-FT								13000	31280	10180	6790	2610
MAX								318	738	271	165	64
MIN								112	309	101	55	29
CAL YR 1996 TOTAL										1880		
WTR YR 1997 TOTAL		32203			88.2		738		29	63870		

MAX DISCH 825 CFS AT 1130 07-JUN-1997 GH 3.70 FT. SHIFT -0.07 FT. MAX GH 3.70 FT. AT 1130 07-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06724000 ST. VRAIN CREEK AT LYONS, CO

LOCATION.--Lat 40°13'05", long 105°15'34", in NW¼NW¼ sec. 20, T.3 N., R.70 W., Boulder County, Hydrologic Unit 10190005, on left bank 75 ft southwest of U.S. Highway 36 (State Highways 7 and 66) at southeast edge of Lyons, 400 ft upstream from St. Vrain Supply Canal, and 0.4 mi downstream from confluence of North and South St. Vrain Creeks.

DRAINAGE AREA AND PERIOD OF RECORD.--212 mi². Aug. 1887 to Sep. 1891, June 1895 to current year. Monthly only data for some periods. Water quality data available from Oct. 1977 to Feb. 1981.

GAGE.--Water-stage recorder with satellite telemetry in timber shelter. The DCP is the primary record with chart recorder as backup. Supplemental outside staff gage.

REMARKS.--Record is complete and reliable. Graphic chart record was used on Feb. 14, 17, 21-28; Mar. 1-6; Apr. 24; May 14-18, 1997. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--SVCLYOCO20 USED FROM 01-OCT-1996 TO 30-SEP-1997

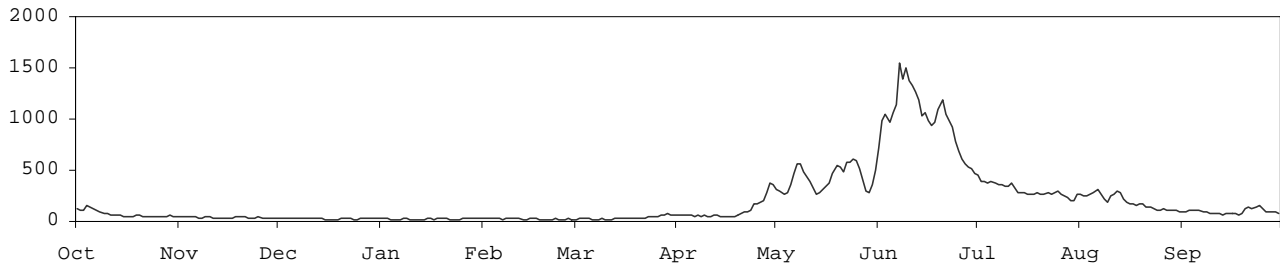
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	49	28	25	27	23	66	319	723	450	273	88
2	113	45	25	28	28	27	69	300	992	387	254	101
3	115	42	24	28	26	26	61	272	1040	388	250	103
4	150	42	27	23	24	24	59	282	964	373	267	109
5	137	44	32	17	25	24	59	363	1060	386	283	105
6	125	41	33	21	25	22	54	472	1140	381	314	103
7	116	33	28	21	23	22	57	569	1550	363	267	93
8	97	37	29	26	24	23	54	566	1390	354	223	86
9	85	45	27	27	26	24	55	485	1500	351	189	80
10	73	42	25	22	24	22	52	431	1370	351	250	79
11	70	39	25	20	24	21	50	397	1330	380	264	78
12	63	38	24	21	24	23	57	329	1260	331	300	77
13	61	37	25	22	23	25	58	273	1180	289	284	70
14	56	36	24	22	23	24	54	286	1030	282	218	71
15	51	39	18	25	24	27	49	306	1060	278	190	71
16	48	37	20	24	25	25	47	336	988	266	172	73
17	53	34	18	23	26	27	48	375	932	265	170	73
18	46	46	19	24	22	25	50	476	961	273	162	68
19	55	45	23	25	21	25	65	550	1100	277	168	75
20	59	40	29	25	22	28	74	528	1190	270	170	131
21	45	41	28	24	23	37	93	486	1050	269	146	148
22	42	39	27	22	22	38	101	571	984	275	138	132
23	46	38	26	23	25	42	112	573	924	260	132	136
24	51	34	23	23	22	49	165	608	787	276	115	153
25	49	40	23	23	21	45	169	589	685	296	113	124
26	50	39	25	25	23	51	182	516	614	264	121	101
27	43	31	27	26	24	63	206	399	559	245	115	100
28	44	26	24	25	22	69	288	297	529	236	114	96
29	63	31	25	24	---	71	381	283	515	208	108	89
30	46	30	26	24	---	66	366	365	473	204	105	78
31	51	---	24	28	---	66	---	497	---	270	90	---
TOTAL	2223	1160	781	736	668	1084	3201	13099	29880	9498	5965	2891
MEAN	71.7	38.7	25.2	23.7	23.9	35.0	107	423	996	306	192	96.4
AC-FT	4410	2300	1550	1460	1320	2150	6350	25980	59270	18840	11830	5730
MAX	150	49	33	28	28	71	381	608	1550	450	314	153
MIN	42	26	18	17	21	21	47	272	473	204	90	68

CAL YR 1996 TOTAL 53726 MEAN 147 MAX 934 MIN 17 AC-FT 106600
WTR YR 1997 TOTAL 71186 MEAN 195 MAX 1550 MIN 17 AC-FT 141200

MAX DISCH 1640 CFS AT 0515 07-JUN-1997 GH 5.89 FT. SHIFT -0.22 FT. MAX GH 5.89 FT. AT 0515 07-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06725500 MIDDLE BOULDER CREEK AT NEDERLAND, CO

LOCATION.--Lat 39°57'42", long 105°30'14", in NE¼SE¼ sec. 13, T.1 S., R.73 W., Boulder County, Hydrologic Unit 10190005, on left bank at Nederland just downstream from North Beaver Creek and 1,000 ft upstream from Barker Reservoir.

DRAINAGE AREA.--36.2 mi².

GAGE.--Water-stage recorder in timber shelter and concrete well at a compound sharp-crested weir. Graphic chart is primary record.

REMARKS.--Record is complete and reliable. Stage-discharge relation ice affected Dec. 19-20, 1996; Feb. 5, 14, 19, 21-22, 25, 27-28; Mar. 7-9, 11, 1997. Graphic chart record was used on Dec. 17-30, 1996; Jan. 11-21; Feb. 4; May 20; June 13, 16, 18, 1997. The record is good, except for periods of ice affect, which is fair. Station maintained and record developed by Fred Renner.

RATING TABLE.--BOCMIDCO07 USED FROM 01-OCT-1996 TO 30-SEP-1997

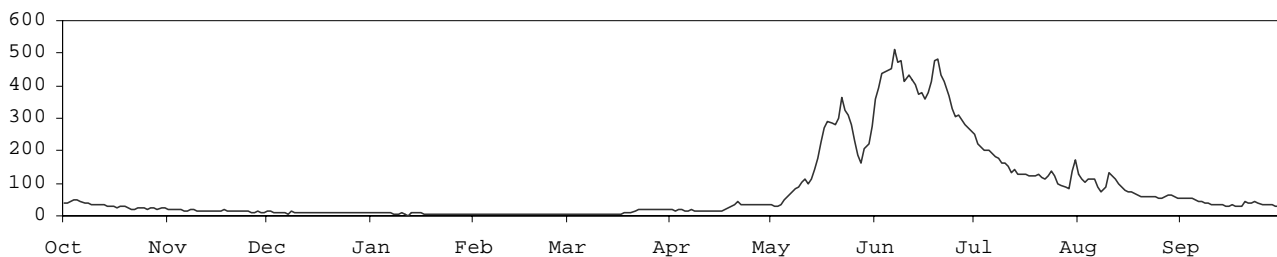
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	22	15	7.8	5.6	5.4	19	32	359	249	126	53
2	38	22	14	8.4	5.3	5.3	17	31	394	223	111	53
3	43	20	11	8.8	5.1	6.1	21	31	436	211	101	54
4	51	19	9.4	8.1	5.1	6.1	20	36	442	201	113	53
5	50	19	8.9	9.9	5.5	5.9	17	49	447	202	112	49
6	45	15	11	7.6	5.2	5.2	17	60	451	194	114	46
7	41	15	6.5	7.6	5.6	5.0	20	73	511	182	87	42
8	38	18	17	7.2	6.5	5.0	16	82	473	178	76	39
9	36	19	12	6.9	7.0	5.0	15	88	476	160	89	37
10	35	17	11	7.4	5.4	5.0	14	104	413	161	134	36
11	34	15	11	6.9	5.7	6.0	15	111	435	153	122	35
12	33	15	11	2.4	5.4	6.3	15	100	416	134	114	35
13	32	15	10	9.3	5.5	6.1	15	111	401	141	99	32
14	31	14	9.3	7.9	5.5	6.0	14	142	375	129	89	31
15	30	14	11	8.7	6.1	6.1	14	178	377	130	79	31
16	29	14	9.8	7.5	5.8	6.8	16	225	359	129	75	36
17	24	15	9.3	7.3	6.1	7.2	20	272	381	125	73	30
18	29	18	9.1	7.1	6.3	7.9	25	289	415	123	70	28
19	30	17	8.5	7.1	6.0	9.3	30	287	475	125	66	30
20	27	15	8.1	7.1	6.1	12	35	282	480	126	60	44
21	21	14	8.1	6.9	6.0	16	45	299	431	120	61	41
22	21	13	8.7	6.7	6.0	19	36	362	413	114	61	41
23	27	14	8.7	6.6	6.2	22	34	324	368	121	58	42
24	25	14	8.7	6.3	6.1	22	34	312	328	136	57	41
25	23	13	8.5	6.4	6.0	20	36	278	304	121	56	35
26	22	12	8.7	6.2	5.6	20	32	232	311	98	54	33
27	23	9.9	8.5	6.0	5.5	22	32	186	293	91	57	35
28	24	13	8.3	5.9	5.5	21	33	161	278	89	66	32
29	18	12	7.9	5.8	---	21	35	208	272	86	63	30
30	24	11	7.9	5.8	---	19	33	222	260	137	57	29
31	23	---	7.7	5.8	---	19	---	274	---	174	54	---
TOTAL	967	463.9	304.6	219.4	161.7	348.7	725	5441	11774	4563	2554	1153
MEAN	31.2	15.5	9.83	7.08	5.78	11.2	24.2	176	392	147	82.4	38.4
AC-FT	1920	920	604	435	321	692	1440	10790	23350	9050	5070	2290
MAX	51	22	17	9.9	7.0	22	45	362	511	249	134	54
MIN	18	9.9	6.5	2.4	5.1	5.0	14	31	260	86	54	28

CAL YR 1996 TOTAL 26581.0 MEAN 72.6 MAX 406 MIN 5.3 AC-FT 52720
WTR YR 1997 TOTAL 28675.3 MEAN 78.6 MAX 511 MIN 2.4 AC-FT 56880

MAX DISCH 582 CFS AT 0100 07-JUN-1997 GH 3.63 FT. SHIFT -0.04 FT. MAX GH 3.63 FT. AT 0100 07-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06727000 BOULDER CREEK NEAR ORODELL, CO

LOCATION.--Lat 40°00'23", long 105°19'49", in NE¼SW¼ sec. 34, T.1 N., R.71 W., Boulder County, Hydrologic Unit 10190005, on left bank along State Highway 119, 0.7 mi southwest of old Orodell, 1.1 mi upstream from Fourmile Creek, and 2.9 mi southwest of courthouse in Boulder.

DRAINAGE AREA.--102 mi².

GAGE.--Water-stage recorder with satellite telemetry and shaft encoder in a 6'X6' concrete shelter. The DCP is the primary record with chart recorder as backup.

REMARKS.--Record is complete and reliable. The stage-discharge relation was ice affected Nov. 7-8, 17, 24-25, 27-30; Dec. 1-5, 7, 14-20, 23-26, 1996; Jan. 6-20, 22-25, 27-28; Feb. 5-22, 24-28; Mar. 1-2, 5-6, 15-16, 1997. Record is good, except for periods of ice affect, which is fair. Station maintained and record developed by Fred Renner.

RATING TABLE.--BOCOROCO13 USED FROM 01-OCT-1996 TO 30-SEP-1997

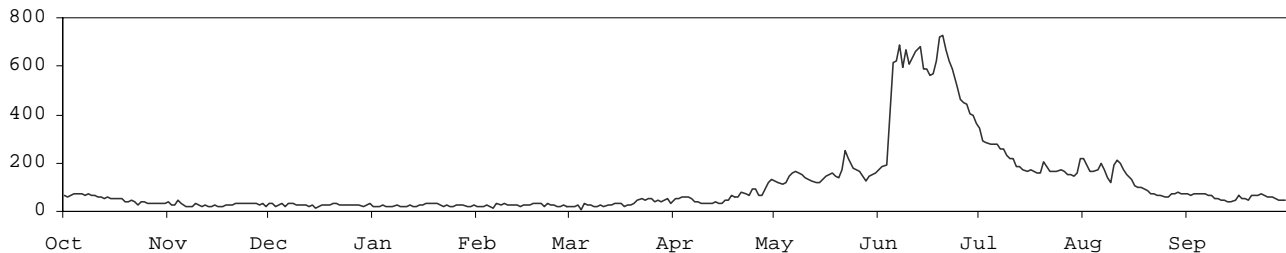
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	38	33	22	20	20	55	125	170	345	218	72
2	62	27	31	21	19	19	54	121	183	290	189	64
3	65	25	23	21	23	25	58	111	192	284	166	71
4	73	49	29	25	27	5.2	59	117	401	278	163	76
5	72	32	30	18	19	30	59	143	614	280	174	74
6	70	20	23	23	14	25	50	157	624	276	196	71
7	69	23	31	19	30	25	41	162	688	261	175	65
8	76	23	30	27	26	21	37	159	595	256	139	64
9	64	31	25	20	30	22	36	149	665	232	120	56
10	63	24	25	23	29	24	32	140	607	219	195	52
11	62	21	26	21	29	22	32	131	638	217	212	47
12	59	28	29	25	26	24	33	123	659	187	197	46
13	53	22	22	20	26	24	37	116	684	185	170	40
14	58	22	29	23	22	32	32	122	589	175	155	39
15	50	27	12	24	24	30	34	130	590	163	133	48
16	52	21	19	24	24	30	44	146	564	169	106	63
17	53	20	24	36	24	19	49	151	567	162	102	55
18	55	27	25	30	31	25	66	160	620	157	98	52
19	39	26	29	34	30	27	62	147	720	160	95	48
20	41	24	31	30	30	30	62	139	728	202	85	68
21	43	32	30	25	23	45	80	169	670	182	74	65
22	41	31	29	20	30	55	76	254	621	168	72	66
23	29	31	26	25	26	45	69	216	589	162	67	72
24	39	35	28	20	28	56	91	177	514	165	63	69
25	38	30	27	18	21	52	91	171	466	173	60	62
26	32	30	27	24	21	41	66	164	450	168	62	58
27	35	30	27	25	24	47	66	143	443	149	71	53
28	33	27	27	24	19	42	91	123	406	154	75	48
29	35	30	22	18	---	47	116	143	400	144	80	44
30	30	22	28	18	---	52	132	152	363	157	72	44
31	31	---	30	24	---	34	---	157	---	218	70	---
TOTAL	1591	828	827	727	695	995.2	1810	4618	16020	6338	3854	1752
MEAN	51.3	27.6	26.7	23.5	24.8	32.1	60.3	149	534	204	124	58.4
AC-FT	3160	1640	1640	1440	1380	1970	3590	9160	31780	12570	7640	3480
MAX	76	49	33	36	31	56	132	254	728	345	218	76
MIN	29	20	12	18	14	5.2	32	111	170	144	60	39

CAL YR 1996 TOTAL 34559 MEAN 94.4 MAX 574 MIN 12 AC-FT 68550
WTR YR 1997 TOTAL 40055.2 MEAN 110 MAX 728 MIN 5.2 AC-FT 79450

MAX DISCH 830 CFS AT 0345 07-JUN-1997 GH 3.67 FT. SHIFT 0.08 FT. MAX GH 3.67 FT. AT 0345 07-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06729450 SOUTH BOULDER CREEK BELOW GROSS RESERVOIR NEAR COAL CREEK, CO

LOCATION.--Lat 39°56'19", long 105°20'55", SW¼ sec. 21, T.1 S., R.71 W., Boulder County. Diverts flow from South Boulder Creek and transmountain diversions from Moffat Tunnel.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry at 25' Parshall flume with supplemental outside staff. The DCP is the primary record with chart backup. Station is owned and maintained by Denver Water Board personnel.

REMARKS.--Record is complete and reliable. Stage-discharge relation affected by ice Dec. 18-19, 1996; Jan. 11-13, 1997. Graphic chart record was used on July 16, 19-23, 30; Sep. 12-15, 22-30, 1997. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--BOCBGRCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

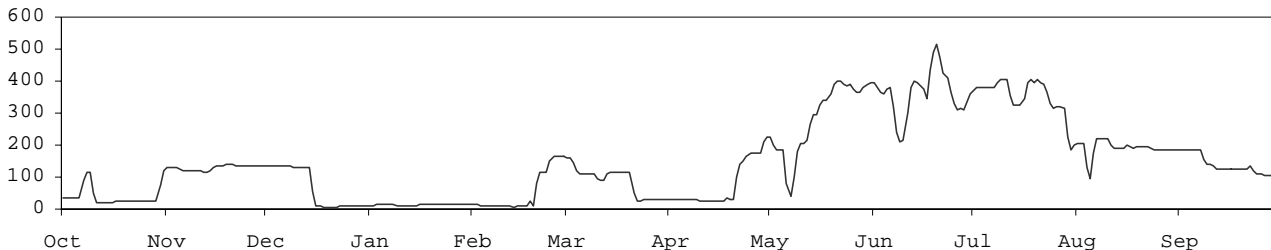
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	129	134	12	13	162	31	223	395	369	203	185
2	33	129	134	12	13	162	31	199	379	380	203	185
3	33	129	134	15	11	144	31	187	363	378	203	185
4	33	129	134	17	9.6	120	31	186	360	379	131	185
5	33	123	134	17	9.6	110	31	185	373	378	94	186
6	33	120	134	17	9.6	110	31	79	381	378	173	186
7	90	120	133	17	9.6	110	31	39	322	378	220	185
8	117	118	133	13	9.6	110	31	101	239	396	219	154
9	117	118	132	10	9.8	110	31	182	212	407	219	141
10	49	118	132	10	10	96	26	205	213	407	219	138
11	21	118	132	10	10	88	24	206	298	407	202	136
12	20	117	132	10	7.7	92	24	215	382	356	192	127
13	20	117	132	10	5.9	110	24	267	399	327	191	125
14	20	118	132	10	9.2	117	24	293	397	327	191	125
15	20	129	56	9.9	11	117	24	294	386	327	191	125
16	22	136	12	13	11	116	25	323	373	347	198	125
17	23	136	9.0	14	11	115	26	339	344	397	195	126
18	23	136	7.0	14	23	115	37	341	436	405	192	125
19	23	139	6.0	14	10	115	30	362	491	397	193	125
20	23	141	5.7	14	79	115	30	389	516	405	193	125
21	23	141	6.1	13	113	51	100	399	475	397	193	125
22	23	137	6.2	13	113	25	141	402	425	392	193	134
23	24	136	9.5	13	113	24	149	390	408	364	188	120
24	24	136	11	13	148	30	166	385	367	331	186	110
25	24	135	11	13	164	32	175	388	332	317	186	108
26	24	135	12	13	164	31	175	374	310	318	186	107
27	24	135	12	13	163	31	175	365	315	318	186	105
28	24	134	12	13	163	31	175	366	311	317	185	104
29	24	134	12	13	---	31	209	382	333	227	185	95
30	76	134	12	13	---	31	224	392	359	187	185	93
31	120	---	12	13	---	31	---	394	---	202	185	---
TOTAL	1196	3877	2073.5	401.9	1423.6	2682	2262	8852	10894	10915	5880	4095
MEAN	38.6	129	66.9	13.0	50.8	86.5	75.4	286	363	352	190	137
AC-FT	2370	7690	4110	797	2820	5320	4490	17560	21610	21650	11660	8120
MAX	120	141	134	17	164	162	224	402	516	407	220	186
MIN	20	117	5.7	9.9	5.9	24	24	39	212	187	94	93

CAL YR 1996 TOTAL 61997.5 MEAN 169 MAX 624 MIN 5.7 AC-FT 123000
WTR YR 1997 TOTAL 54552.0 MEAN 149 MAX 516 MIN 5.7 AC-FT 108200

MAX DISCH 549 CFS AT 0900 20-JUN-1997 GH 3.03 FT. SHIFT -0.03 FT. MAX GH 3.03 FT. AT 0900 20-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS, CO

LOCATION.--Lat 39°56'00", long 105°18'10", SW¼ sec. 26, T.1 S., R.71 W., Boulder County. Diverts Denver Water Board rights released from Gross Reservoir to South Boulder Creek.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 12' Parshall flume in a timber shelter and concrete well with supplemental outside staff gage. Station is owned and maintained by Denver Water Board personnel.

REMARKS.--Record is complete and reliable except for the following period: Apr. 22-23, 28-30, 1997 when clock stopped. This is a controlled structure and canal was off Oct. 1-6, 11-29; Dec. 16-31, 1996; Jan. 1-31; Feb. 1-19; Mar. 22-31; Apr. 1-20; May 7; June 18; Aug. 5, 1997. Graphic chart record was used all year except when flume was off. The record is good. Record developed by Fred Renner.

RATING TABLE.--BOSDELCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

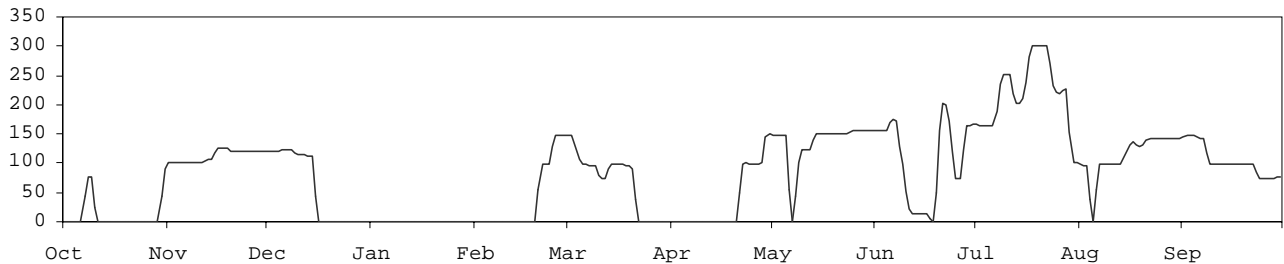
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	101	120	0.0	0.0	148	0.0	149	157	166	98	145
2	0.0	101	120	0.0	0.0	148	0.0	149	157	164	96	148
3	0.0	101	120	0.0	0.0	132	0.0	149	157	164	96	148
4	0.0	101	121	0.0	0.0	106	0.0	149	157	165	37	148
5	0.0	101	123	0.0	0.0	98	0.0	149	170	165	0.0	145
6	0.0	101	123	0.0	0.0	98	0.0	56	175	165	56	142
7	45	101	123	0.0	0.0	97	0.0	0.0	173	189	99	143
8	76	101	123	0.0	0.0	95	0.0	44	129	235	99	118
9	76	101	118	0.0	0.0	96	0.0	102	99	251	99	99
10	24	101	116	0.0	0.0	80	0.0	123	53	251	99	99
11	0.0	101	116	0.0	0.0	73	0.0	123	21	251	99	99
12	0.0	105	114	0.0	0.0	74	0.0	123	15	219	99	98
13	0.0	106	113	0.0	0.0	89	0.0	139	15	202	99	99
14	0.0	106	113	0.0	0.0	98	0.0	150	15	202	110	99
15	0.0	118	43	0.0	0.0	98	0.0	150	15	211	120	99
16	0.0	126	0.0	0.0	0.0	98	0.0	150	15	237	131	99
17	0.0	126	0.0	0.0	0.0	98	0.0	150	5.7	282	138	99
18	0.0	126	0.0	0.0	0.0	96	0.0	150	0.0	301	132	99
19	0.0	126	0.0	0.0	0.0	95	0.0	150	48	301	129	99
20	0.0	121	0.0	0.0	55	90	0.0	150	157	301	132	99
21	0.0	120	0.0	0.0	99	39	48	150	203	301	139	99
22	0.0	120	0.0	0.0	99	0.0	98	150	200	301	142	99
23	0.0	120	0.0	0.0	99	0.0	100	150	173	270	141	85
24	0.0	120	0.0	0.0	129	0.0	98	154	119	232	141	75
25	0.0	120	0.0	0.0	149	0.0	98	157	75	221	141	75
26	0.0	120	0.0	0.0	149	0.0	98	157	75	219	141	75
27	0.0	119	0.0	0.0	148	0.0	98	157	124	224	141	75
28	0.0	119	0.0	0.0	148	0.0	100	157	164	226	141	75
29	0.0	120	0.0	0.0	---	0.0	146	157	165	153	141	76
30	44	120	0.0	0.0	---	0.0	150	157	166	101	141	76
31	91	---	0.0	0.0	---	0.0	---	157	---	101	141	---
TOTAL	356	3369	1706	0.0	1075	2046	1034	4208	3197.7	6771	3518	3134
MEAN	11.5	112	55.0	0.0	38.4	66.0	34.5	136	107	218	113	104
AC-FT	706	6680	3380	0.0	2130	4060	2050	8350	6340	13430	6980	6220
MAX	91	126	123	0.0	149	148	150	157	203	301	142	148
MIN	0.0	101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101	0.0	75

CAL YR 1996 TOTAL 36462 MEAN 99.6 MAX 307 MIN 0.00 AC-FT 72320
WTR YR 1997 TOTAL 30414.7 MEAN 83.3 MAX 301 MIN 0.00 AC-FT 60330

MAX DISCH 301 CFS AT 0930 17-JUL-1997 GH 3.19 FT. SHIFT 0.01 FT. MAX GH 3.19 FT. AT 0930 17-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06729500 SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS, CO

LOCATION.--Lat 39°55'52", long 105°17'43", in SE¼ sec. 26, T.1 S., R.71 W., Boulder County, Hydrologic Unit 10190005, on left bank 0.2 mi downstream from South Draw, 1.0 mi west of Eldorado Springs, 1.8 mi downstream from South Boulder diversion canal, 5.0 mi south of Boulder, and 6.7 mi downstream from Gross Reservoir.

DRAINAGE AREA.--109 mi².

GAGE.--Water-stage recorder with satellite telemetry and shaft encoder in metal box shelter with supplemental outside chain gage.

REMARKS.--Record is complete and reliable except for the following periods: Dec. 18-20, 1996 when float was frozen; Dec. 21, 1996-Mar. 10, 1997 when station was closed; Apr. 13-14, 1997 when ice in well. Record ice affected Dec. 16-17, 1996. Graphic chart record was used on Apr. 11-12, 29-30; May 1; July 9-10, 23, 1997. Record is good, except for periods of no gage-height record and ice effect, which is fair. Station maintained and record developed by Fred Renner.

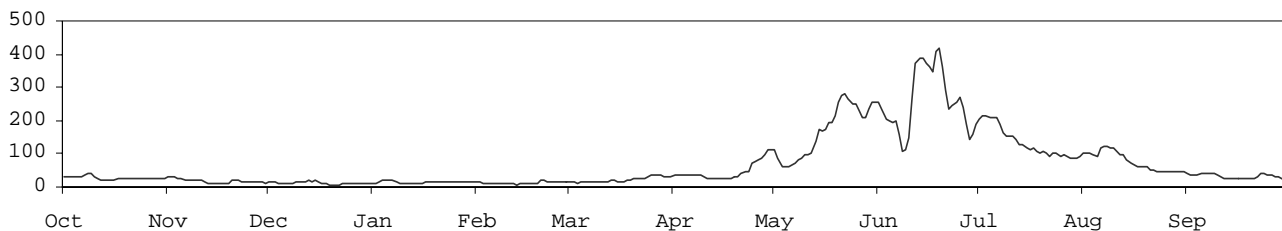
RATING TABLE.--BOCELSCO22 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	29	13	12	13	14	34	110	257	202	100	40
2	33	29	13	12	13	14	34	85	237	215	101	38
3	33	29	13	14	11	12	34	63	206	212	100	37
4	33	28	11	18	10	14	35	62	198	211	96	37
5	32	24	10	18	10	13	36	63	196	210	94	39
6	33	19	10	18	10	13	35	66	200	210	115	41
7	36	19	9.7	18	10	13	35	71	159	191	122	40
8	40	19	9.2	15	10	14	35	80	108	162	120	40
9	40	18	13	12	10	15	34	88	113	155	118	43
10	33	19	17	11	10	15	32	96	148	155	119	36
11	23	19	16	11	10	15	26	96	264	154	106	30
12	20	15	17	11	9.0	17	25	102	373	143	96	26
13	20	11	18	11	6.0	18	25	137	390	128	96	25
14	21	12	17	11	10	18	26	176	388	127	83	27
15	20	11	20	11	11	17	26	167	370	117	72	27
16	22	10	13	12	11	17	27	175	362	112	66	27
17	24	10	10	13	11	16	27	193	348	118	59	26
18	24	10	8.0	14	10	18	28	192	410	109	60	26
19	24	12	7.0	14	10	20	31	213	416	100	63	26
20	24	18	6.0	14	18	23	31	256	362	108	59	27
21	24	20	6.0	14	18	28	41	276	293	103	53	26
22	24	18	6.0	14	14	27	48	280	236	94	51	33
23	24	15	10	14	14	27	48	265	244	102	48	42
24	24	15	12	14	17	31	72	250	257	100	46	39
25	24	15	12	14	17	35	79	251	271	94	46	38
26	24	15	12	14	15	35	80	231	241	96	46	34
27	24	15	12	13	15	35	85	209	190	92	46	32
28	24	15	12	13	15	34	99	209	144	87	47	32
29	24	13	12	13	---	33	110	235	160	87	45	26
30	26	12	12	13	---	33	113	257	191	85	45	18
31	28	---	12	13	---	33	---	256	---	90	44	---
TOTAL	838	514	368.9	419	338.0	667	1391	5210	7732	4169	2362	978
MEAN	27.0	17.1	11.9	13.5	12.1	21.5	46.4	168	258	134	76.2	32.6
AC-FT	1660	1020	732	831	670	1320	2760	10330	15340	8270	4690	1940
MAX	40	29	20	18	18	35	113	280	416	215	122	43
MIN	20	10	6.0	11	6.0	12	25	62	108	85	44	18
CAL YR 1996 TOTAL	25399.1		MEAN	69.4	MAX	447	MIN	2.8	AC-FT	50380		
WTR YR 1997 TOTAL	24986.9		MEAN	68.5	MAX	416	MIN	6.0	AC-FT	49560		

MAX DISCH 461 CFS AT 0300 19-JUN-1997 GH 3.24 FT. SHIFT -0.03 FT. MAX GH 3.24 FT. AT 0300 19-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06730300 COAL CREEK NEAR PLAINVIEW, CO

LOCATION.--Lat 39°52'41", long 105°16'38"

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder in a 42-inch diameter corrugated metal shelter. There is a supplemental outside staff gage.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 29, 1996 partial day record when station was closed for season; Oct 30, 1996-Mar. 9, 1997 when station was closed for the winter; Mar. 10, 1997 partial day when station was opened. Record is good, except for period of no gage-height record which is fair. Coal Creek is a partial year record, but this year discharge estimated for period when station was closed using measurements, observed outside staff readings, and weather data for the area. Station maintained and record developed by Fred Renner.

RATING TABLE.--COCREPCO08 USED FROM 01-OCT-1996 TO 30-SEP-1997

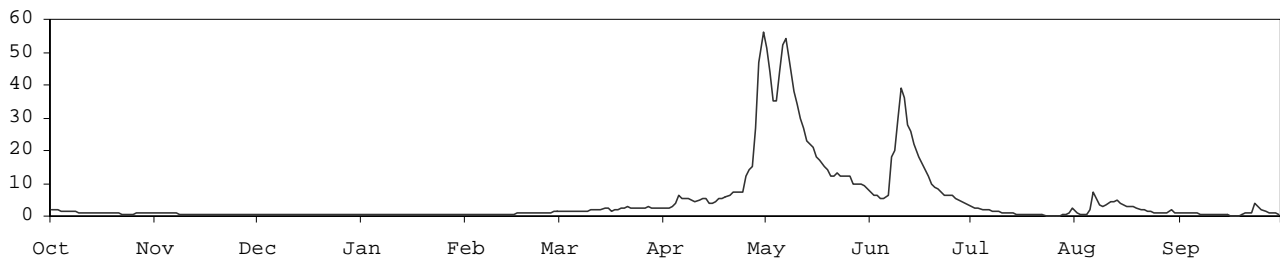
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	0.80	0.45	0.40	0.60	1.3	2.3	51	7.1	2.7	1.1	0.94
2	1.8	0.80	0.45	0.40	0.55	1.4	2.2	44	6.4	2.5	0.61	1.0
3	1.8	0.80	0.45	0.40	0.50	1.4	2.8	35	6.1	2.2	0.45	1.1
4	1.6	0.75	0.45	0.40	0.50	1.5	4.0	35	5.5	2.0	0.40	0.87
5	1.5	0.75	0.45	0.40	0.50	1.5	6.1	44	5.2	1.9	1.8	0.94
6	1.4	0.75	0.45	0.35	0.55	1.5	5.2	52	6.3	1.8	7.1	0.80
7	1.4	0.75	0.45	0.35	0.55	1.6	5.2	54	18	1.4	5.5	0.73
8	1.3	0.70	0.45	0.35	0.55	1.6	5.5	48	20	1.3	3.6	0.61
9	1.2	0.70	0.40	0.35	0.55	1.7	5.0	38	30	1.3	2.8	0.50
10	1.1	0.70	0.40	0.35	0.55	1.8	4.3	34	39	1.1	3.6	0.50
11	0.94	0.70	0.40	0.30	0.60	1.8	4.8	30	36	1.0	4.5	0.45
12	0.94	0.65	0.40	0.30	0.60	2.0	5.2	27	28	0.94	4.5	0.55
13	0.87	0.65	0.35	0.30	0.65	2.0	5.2	23	26	0.80	4.8	0.40
14	0.87	0.65	0.35	0.30	0.65	2.3	3.9	22	22	0.61	4.0	0.35
15	0.80	0.65	0.35	0.35	0.70	2.3	3.8	21	18	0.45	3.2	0.27
16	0.80	0.60	0.30	0.40	0.75	1.6	4.5	18	16	0.35	2.8	0.23
17	0.80	0.60	0.30	0.45	0.80	1.9	5.5	17	14	0.31	3.0	0.23
18	0.80	0.60	0.30	0.45	0.85	1.9	5.5	15	12	0.31	2.8	0.23
19	0.80	0.55	0.35	0.45	0.90	2.2	6.0	14	10	0.40	2.3	0.31
20	0.87	0.55	0.35	0.45	0.95	2.5	6.4	12	8.7	0.61	2.0	0.87
21	0.87	0.55	0.35	0.50	1.0	2.7	7.1	12	8.3	0.45	1.8	0.80
22	0.73	0.55	0.35	0.50	1.0	2.5	7.1	13	7.5	0.31	1.5	1.0
23	0.73	0.55	0.35	0.50	1.1	2.5	7.1	12	6.4	0.19	1.3	4.0
24	0.73	0.55	0.35	0.50	1.1	2.3	7.1	12	6.4	0.16	1.2	3.0
25	0.73	0.55	0.35	0.50	1.2	2.3	12	12	6.4	0.23	1.2	2.0
26	0.87	0.50	0.35	0.55	1.2	2.5	14	12	5.5	0.23	1.1	1.5
27	0.80	0.50	0.35	0.55	1.3	2.8	15	10	4.8	0.16	1.1	1.2
28	0.80	0.50	0.35	0.60	1.3	2.5	27	10	4.3	0.31	1.1	1.0
29	0.85	0.50	0.40	0.60	---	2.5	47	9.8	3.8	0.50	1.9	0.94
30	0.85	0.45	0.40	0.60	---	2.2	56	9.1	3.2	1.2	1.0	0.73
31	0.80	---	0.40	0.60	---	2.2	---	8.3	---	2.2	0.94	---
TOTAL	32.25	18.90	11.85	13.50	22.05	62.8	292.8	754.2	390.9	29.92	75.00	28.05
MEAN	1.04	0.63	0.38	0.44	0.79	2.03	9.76	24.3	13.0	0.97	2.42	0.94
AC-FT	64	37	24	27	44	125	581	1500	775	59	149	56
MAX	1.9	0.80	0.45	0.60	1.3	2.8	56	54	39	2.7	7.1	4.0
MIN	0.73	0.45	0.30	0.30	0.50	1.3	2.2	8.3	3.2	0.16	0.40	0.23

CAL YR 1996 TOTAL 744.92 MEAN 2.04 MAX 26 MIN 0.00 AC-FT 1480
WTR YR 1997 TOTAL 1732.22 MEAN 4.75 MAX 56 MIN 0.16 AC-FT 3440

MAX DISCH 76 CFS AT 2130 29-APR-1997 GH 1.49 FT. SHIFT -0.03 FT. MAX GH 1.49 FT. AT 2130 29-APR-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06731000 ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE, CO

LOCATION.--Lat 40°15'29", long 104°52'45", in SE¼NW¼ sec. 3, T,3 N., R.67 W., Weld County, Hydrologic Unit 10190005, on right bank 140 ft downstream from bridge on county road, 1.3 mi upstream from mouth, and 4.2 mi northwest of Platteville.

DRAINAGE AREA.--976 mi².

GAGE.--Water-stage recorder with satellite telemetry in a 42-inch metal pipe shelter and well.

REMARKS.--Record is complete and reliable except for the period of Apr. 15-Sept. 30, 1997, when a new bridge was being constructed approximately 100 ft. Upstream. Station maintained and record developed by Brent Schantz.

RATING TABLE.--SVCPLACO24 USED FROM 01-OCT-1996 TO 30-SEP-1997

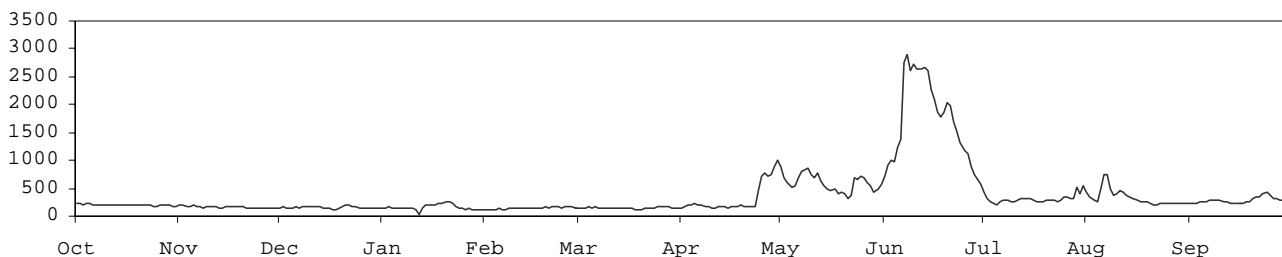
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	242	187	154	152	129	146	150	876	703	421	418	218
2	223	192	160	148	126	156	179	701	915	329	331	218
3	212	177	155	160	125	150	196	595	1000	252	290	231
4	216	171	153	154	124	162	204	530	988	233	254	246
5	216	193	154	152	135	139	233	537	1240	193	485	254
6	209	172	161	140	128	158	213	684	1390	253	749	258
7	212	158	156	133	121	143	196	801	2760	290	754	301
8	205	157	161	145	141	147	184	843	2890	280	490	288
9	205	162	163	146	142	148	162	852	2600	258	379	285
10	198	168	163	140	145	149	157	742	2730	272	408	281
11	202	162	159	117	146	147	152	676	2630	284	456	268
12	196	158	158	30	151	149	161	773	2650	324	418	254
13	201	157	160	149	151	148	164	640	2660	324	384	241
14	196	157	149	187	148	149	160	531	2600	321	342	224
15	201	166	153	193	146	145	156	492	2270	315	303	222
16	191	183	139	201	143	139	159	465	2100	292	285	229
17	188	165	123	200	140	137	170	482	1870	267	270	236
18	187	164	112	218	144	126	176	405	1780	251	263	247
19	202	163	145	240	158	126	189	432	1860	246	245	255
20	195	165	175	252	154	125	173	392	2050	283	232	324
21	198	150	190	245	171	130	176	318	1980	296	208	354
22	203	154	191	227	166	145	182	380	1700	276	203	352
23	189	154	177	163	161	154	177	696	1510	270	223	396
24	174	149	173	142	155	157	448	656	1310	300	237	418
25	183	149	153	133	158	175	725	721	1170	352	221	372
26	211	154	142	129	160	163	778	694	1130	352	227	327
27	198	155	151	135	159	159	728	613	900	325	235	307
28	197	156	149	125	156	163	752	537	743	323	241	296
29	187	152	145	126	---	150	894	437	659	506	226	291
30	181	156	146	123	---	153	993	481	578	411	233	263
31	181	---	152	121	---	149	---	562	---	536	223	---
TOTAL	6199	4906	4822	4926	4083	4587	9387	18544	51366	9635	10233	8456
MEAN	200	164	156	159	146	148	313	598	1712	311	330	282
AC-FT	12300	9730	9560	9770	8100	9100	18620	36780	101900	19110	20300	16770
MAX	242	193	191	252	171	175	993	876	2890	536	754	418
MIN	174	149	112	30	121	125	150	318	578	193	203	218

CAL YR 1996 TOTAL 98917 MEAN 270 MAX 1690 MIN 55 AC-FT 196200
WTR YR 1997 TOTAL 137144 MEAN 376 MAX 2890 MIN 30 AC-FT 272000

MAX DISCH 3314 CFS AT 2000 07-JUN-1997 GH 7.82 FT. SHIFT -0.15 FT. MAX GH 7.82 FT. AT 2000 07-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

WIND RIVER NEAR ESTES PARK, CO

LOCATION.--N/A

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder in a wooden shelter with a concrete well and a 4' Parshall flume. The electric drop tape is the primary reference. The graphic chart is the primary record. The Parshall flume and the well were replaced in August of 1995 due to extreme settling over the years.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 5-30; Dec. 1-31, 1996; Jan. 1-Mar. 27; Apr. 15-28, 1997 when the station was closed for the winter. Record was affected by the ink pen being off on July 15-16, 1997. The record is good except for periods of no gage-height record and ice affect record which is poor. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--WINDESCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

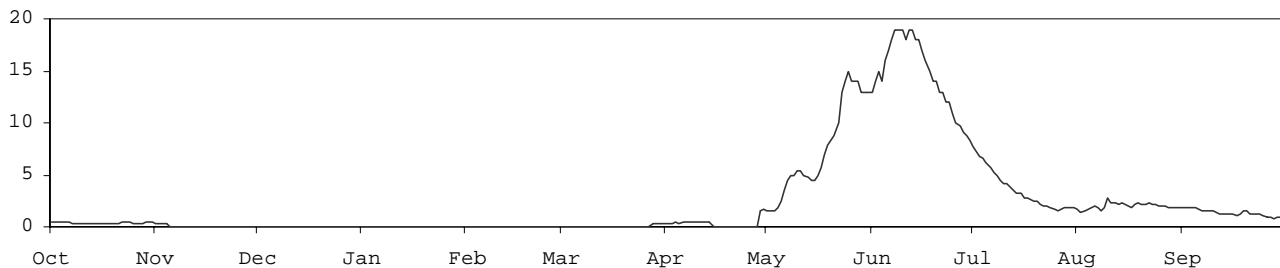
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.42	0.36	0.0	0.0	0.0	0.0	0.24	1.6	13	7.7	1.7	1.9
2	0.42	0.36	0.0	0.0	0.0	0.0	0.30	1.6	14	7.3	1.4	1.9
3	0.49	0.36	0.0	0.0	0.0	0.0	0.36	1.5	15	6.8	1.6	1.9
4	0.49	0.36	0.0	0.0	0.0	0.0	0.42	1.8	14	6.6	1.7	1.9
5	0.42	0.0	0.0	0.0	0.0	0.0	0.36	2.5	16	6.2	1.8	1.8
6	0.42	0.0	0.0	0.0	0.0	0.0	0.42	3.5	17	5.7	2.0	1.7
7	0.36	0.0	0.0	0.0	0.0	0.0	0.42	4.4	18	5.2	1.8	1.6
8	0.36	0.0	0.0	0.0	0.0	0.0	0.42	5.0	19	4.9	1.6	1.6
9	0.36	0.0	0.0	0.0	0.0	0.0	0.42	5.0	19	4.5	1.8	1.6
10	0.36	0.0	0.0	0.0	0.0	0.0	0.42	5.4	19	4.2	2.8	1.5
11	0.30	0.0	0.0	0.0	0.0	0.0	0.49	5.4	18	4.1	2.3	1.4
12	0.30	0.0	0.0	0.0	0.0	0.0	0.42	5.0	19	3.8	2.3	1.3
13	0.30	0.0	0.0	0.0	0.0	0.0	0.42	4.7	19	3.6	2.2	1.3
14	0.30	0.0	0.0	0.0	0.0	0.0	0.49	4.5	18	3.3	2.3	1.3
15	0.30	0.0	0.0	0.0	0.0	0.0	0.0	4.5	18	3.2	2.2	1.2
16	0.30	0.0	0.0	0.0	0.0	0.0	0.0	5.0	17	2.8	2.0	1.2
17	0.30	0.0	0.0	0.0	0.0	0.0	0.0	5.7	16	2.8	1.9	1.1
18	0.30	0.0	0.0	0.0	0.0	0.0	0.0	7.0	15	2.6	2.2	1.2
19	0.36	0.0	0.0	0.0	0.0	0.0	0.0	7.9	14	2.5	2.3	1.6
20	0.30	0.0	0.0	0.0	0.0	0.0	0.0	8.3	14	2.4	2.2	1.6
21	0.36	0.0	0.0	0.0	0.0	0.0	0.0	8.7	13	2.2	2.2	1.2
22	0.42	0.0	0.0	0.0	0.0	0.0	0.0	10	13	2.0	2.3	1.2
23	0.49	0.0	0.0	0.0	0.0	0.0	0.0	13	12	2.0	2.2	1.3
24	0.42	0.0	0.0	0.0	0.0	0.0	0.0	14	12	1.8	2.2	1.2
25	0.36	0.0	0.0	0.0	0.0	0.0	0.0	15	11	1.7	2.0	1.1
26	0.36	0.0	0.0	0.0	0.0	0.0	0.0	14	10	1.6	2.0	0.98
27	0.36	0.0	0.0	0.0	0.0	0.0	0.0	14	9.7	1.7	2.0	0.89
28	0.36	0.0	0.0	0.0	0.0	0.30	0.0	14	9.1	1.8	1.9	0.80
29	0.42	0.0	0.0	0.0	---	0.24	1.6	13	8.7	1.8	1.9	0.89
30	0.42	0.0	0.0	0.0	---	0.24	1.7	13	8.3	1.9	1.9	0.89
31	0.42	---	0.0	0.0	---	0.30	---	13	---	1.9	1.9	---
TOTAL	11.55	1.44	0.0	0.0	0.0	1.08	8.90	232.0	438.8	110.6	62.6	41.05
MEAN	0.37	0.05	0.0	0.0	0.0	0.03	0.30	7.48	14.6	3.57	2.02	1.37
AC-FT	23	2.9	0.0	0.0	0.0	2.1	18	460	870	219	124	81
MAX	0.49	0.36	0.0	0.0	0.0	0.30	1.7	15	19	7.7	2.8	1.9
MIN	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.5	8.3	1.6	1.4	0.80

CAL YR 1996 TOTAL 498.82 MEAN 1.36 MAX 11 MIN 0.00 AC-FT 989
WTR YR 1997 TOTAL 908.02 MEAN 2.49 MAX 19 MIN 0.00 AC-FT 1800

MAX DISCH 20 CFS AT 2230 09-JUN-1997 GH 1.16 FT. SHIFT 0.00 FT. MAX GH 1.16 FT. AT 2230 09-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06733000 BIG THOMPSON RIVER(above Lake Estes) AT ESTES PARK, CO

LOCATION.--Lat 40°22'42", long 105°30'48", in NW¼NW¼ sec. 30, T.5 N., R.72 W., Larimer County on right bank in Estes Park, 600 ft downstream from bridge on State Highways 7 and 66, 900 ft downstream from Black Canyon Creek, and 0.3 mi northwest of Estes Power Plant. Station is upstream from Lake Estes.

DRAINAGE AREA AND PERIOD OF RECORD.--137 mi². October 1946 to current year.

GAGE.--Water-stage recorder with satellite telemetry, at 15' Parshall flume with overflow weirs and supplemental outside gage. DCP is the primary record. Datum of gage is 7,492.5 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for the following periods: Dec. 2-31, 1996-Mar. 18, 1997 when the flume was frozen. Gage height was estimated Aug. 1, 1997 due to the inlets being left closed. Discharge was affected by ice Nov. 7-8; Apr. 24-25, 27, 1997. Record is good, except for periods of no gage-height record and ice effect, which is poor. Station maintained and record developed by Merlin Friedrichsen.

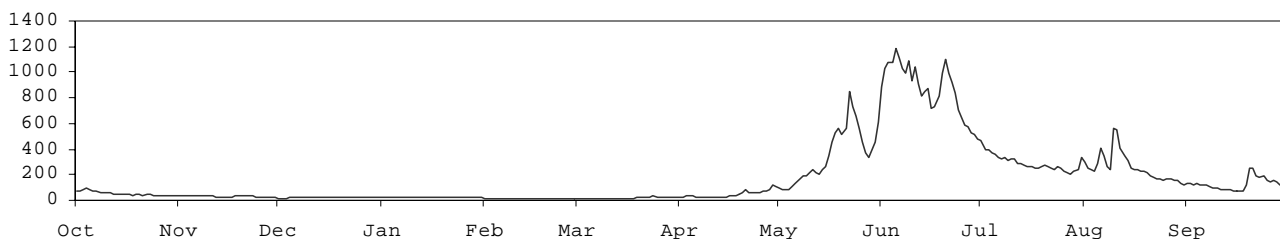
RATING TABLE.--BTABESCO09 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	36	16	19	17	15	27	90	883	462	297	128
2	67	34	16	19	17	15	26	81	1030	400	256	126
3	79	34	17	19	17	15	30	79	1080	389	234	124
4	91	34	18	20	16	15	34	81	1080	372	229	131
5	83	33	19	20	16	15	30	105	1180	362	284	124
6	75	30	20	20	16	15	25	135	1110	338	401	118
7	70	33	21	20	15	15	27	170	1030	329	346	114
8	65	33	21	20	15	15	27	189	990	333	265	109
9	62	34	21	20	15	15	27	187	1090	317	240	97
10	59	31	21	20	14	15	21	212	931	321	567	91
11	55	30	21	20	14	15	25	241	1040	325	551	86
12	53	29	21	20	14	15	27	213	906	290	411	84
13	51	28	21	20	13	15	27	204	814	286	342	81
14	50	28	20	21	13	15	26	242	846	277	308	81
15	48	29	20	21	13	15	27	258	876	267	256	77
16	49	24	20	20	13	15	31	351	722	264	235	77
17	44	26	20	20	14	15	35	452	725	249	238	72
18	39	36	20	20	14	15	41	532	818	255	228	76
19	46	38	20	20	14	20	50	557	992	260	233	117
20	45	33	20	20	14	24	59	513	1100	270	211	257
21	32	30	19	20	14	27	79	568	998	262	196	249
22	48	30	19	20	14	27	64	852	922	246	180	194
23	43	30	19	19	15	29	60	726	836	239	172	185
24	40	24	19	19	15	30	58	662	709	266	162	187
25	38	25	19	19	15	24	61	564	645	256	161	157
26	37	25	19	19	15	26	67	457	591	230	165	143
27	38	19	19	19	15	28	69	369	573	217	163	154
28	37	25	19	19	15	27	87	339	527	207	158	138
29	37	26	19	19	---	27	120	398	510	224	150	125
30	39	23	19	18	---	24	103	456	483	239	134	115
31	39	---	19	18	---	26	---	614	---	339	125	---
TOTAL	1632	890	602	608	412	609	1390	10897	26037	9091	7898	3817
MEAN	52.6	29.7	19.4	19.6	14.7	19.6	46.3	352	868	293	255	127
AC-FT	3240	1770	1190	1210	817	1210	2760	21610	51640	18030	15670	7570
MAX	91	38	21	21	17	30	120	852	1180	462	567	257
MIN	32	19	16	18	13	15	21	79	483	207	125	72
CAL YR 1996 TOTAL		48957	MEAN	134	MAX	858	MIN	13	AC-FT	97110		
WTR YR 1997 TOTAL		63883	MEAN	175	MAX	1180	MIN	13	AC-FT	126700		

MAX DISCH 1337 CFS AT 0245 05-JUN-1997 GH 6.25 FT. SHIFT 0.09 FT. MAX GH 6.25 FT. AT 0245 05-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06734500 FISH CREEK NEAR ESTES PARK, CO

LOCATION.--Lat 40°22'06", long 105°29'35", SW¼ sec. 29, T.5 N., R.72 W.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 5' Parshall flume.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 22, 1996-Mar. 19, 1997 when the station was closed for the winter. Oct. 4-7, 9-20, 1996 when the clock was off. May 2-7, 12-20, 1997 when the recorder was not working. The record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--FISHESCO06 USED FROM 01-OCT-1996 TO 30-SEP-1997

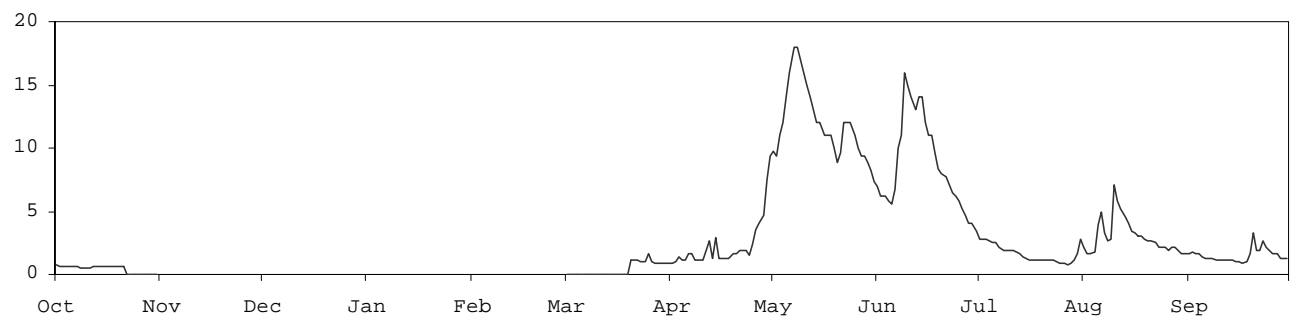
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.78	---	---	---	---	0.0	0.88	9.8	6.9	2.8	2.1	1.7
2	0.69	---	---	---	---	0.0	0.98	9.4	6.2	2.8	1.6	1.8
3	0.69	---	---	---	---	0.0	1.4	11	6.2	2.8	1.7	1.7
4	0.69	---	---	---	---	0.0	1.2	12	5.8	2.6	1.8	1.6
5	0.69	---	---	---	---	0.0	1.1	14	5.6	2.5	3.9	1.4
6	0.60	---	---	---	---	0.0	1.6	16	6.7	2.5	5.0	1.3
7	0.60	---	---	---	---	0.0	1.6	18	10	2.2	3.3	1.3
8	0.52	---	---	---	---	0.0	1.1	18	11	1.9	2.6	1.3
9	0.52	---	---	---	---	0.0	1.1	17	16	1.9	2.8	1.2
10	0.52	---	---	---	---	0.0	1.2	16	15	1.9	7.1	1.2
11	0.52	---	---	---	---	0.0	1.9	15	14	1.9	5.8	1.2
12	0.60	---	---	---	---	0.0	2.6	14	13	1.8	5.2	1.2
13	0.60	---	---	---	---	0.0	1.3	13	14	1.7	4.5	1.1
14	0.60	---	---	---	---	0.0	2.9	12	14	1.4	4.1	1.1
15	0.60	---	---	---	---	0.0	1.3	12	12	1.3	3.4	0.98
16	0.69	---	---	---	---	0.0	1.3	11	11	1.2	3.3	0.98
17	0.69	---	---	---	---	0.0	1.3	11	11	1.2	3.1	0.88
18	0.69	---	---	---	---	0.0	1.3	11	9.6	1.2	3.0	0.98
19	0.69	---	---	---	---	0.0	1.6	10	8.4	1.2	2.8	1.7
20	0.69	---	---	---	---	1.1	1.7	8.9	8.0	1.2	2.6	3.3
21	0.69	---	---	---	---	1.1	1.9	9.6	7.7	1.1	2.6	1.9
22	0.0	---	---	---	---	1.1	1.9	12	7.1	1.1	2.5	1.9
23	0.0	---	---	---	---	0.98	1.9	12	6.4	1.1	2.2	2.6
24	0.0	---	---	---	---	0.98	1.5	12	6.2	0.98	2.1	2.1
25	0.0	---	---	---	---	1.7	2.4	11	5.8	0.88	2.1	1.9
26	0.0	---	---	---	---	0.98	3.6	10	5.2	0.88	1.9	1.7
27	0.0	---	---	---	---	0.88	4.0	9.4	4.7	0.78	2.1	1.6
28	0.0	---	---	---	---	0.88	4.7	9.4	4.1	0.88	2.1	1.3
29	0.0	---	---	---	---	0.88	7.5	8.9	4.0	1.1	1.9	1.3
30	0.0	---	---	---	---	0.88	9.4	8.2	3.4	1.6	1.7	1.3
31	0.0	---	---	---	---	0.88	---	7.3	---	2.8	1.6	---
TOTAL	13.36					12.34	68.16	368.9	259.0	51.20	92.5	45.52
MEAN	0.43					0.40	2.27	11.9	8.63	1.65	2.98	1.52
AC-FT	26					24	135	732	514	102	183	90
MAX	0.78					1.7	9.4	18	16	2.8	7.1	3.3
MIN	0.0					0.0	0.88	7.3	3.4	0.78	1.6	0.88

CAL YR 1996 TOTAL MEAN MAX MIN AC-FT 1010
WTR YR 1997 TOTAL 910.98 MEAN 2.50 MAX 18 MIN 0.00 AC-FT 1810

MAX DISCH 23 CFS AT 2330 08-JUN-1997 GH 1.10 FT. SHIFT 0.00 FT. MAX GH 1.10 FT. AT 2330 08-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06735500 BIG THOMPSON RIVER(below Lake Estes) NEAR ESTES PARK, CO

LOCATION.--Lat 40°22'35", long 105°29'06", in NE¼NE¼ sec. 29, T.5 N., R.72 W., Larimer County, Hydrologic Unit 10190006, on right bank 100 ft upstream from Dry Gulch, 600 ft downstream from Olympus Dam, and 2.0 mi east of Estes Park.

DRAINAGE AREA.--155 mi². Area at site used Jan. 29, 1934, to Mar. 21, 1951, 162 mi².

GAGE.--Water-stage recorder with satellite telemetry at 15' Parshall flume in a concrete shelter with a supplementary outside gage.

REMARKS.--Primary record is taken from hourly satellite readings, with chart as backup. Record is complete, except for Jan. 11-14, 16-17, 1997 when inlets or well was frozen. Record is reliable. Satellite and chart data agree to within +/- 0.02 ft., and no ice affect is experienced at this gage. The record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--BTBLES010 USED FROM 01-OCT-1996 TO 30-SEP-1997

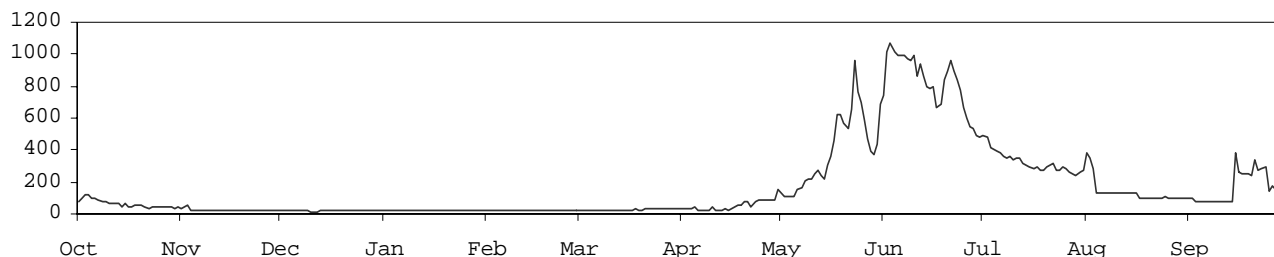
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	38	25	21	17	23	31	131	740	489	379	102
2	103	49	20	20	22	22	37	112	1010	476	345	101
3	121	58	27	20	21	21	30	113	1070	413	289	74
4	118	20	22	24	24	21	35	104	1010	403	126	75
5	98	20	21	22	24	21	44	104	996	394	127	77
6	95	22	24	22	23	21	25	155	998	377	128	77
7	86	22	23	20	24	21	24	169	997	363	126	76
8	73	22	21	24	22	21	25	210	973	354	128	75
9	72	22	22	23	22	20	24	223	959	360	127	74
10	63	22	12	24	21	22	41	218	995	341	130	76
11	61	21	16	25	17	19	24	251	857	352	128	75
12	61	24	16	25	17	21	27	274	936	352	130	74
13	67	22	20	25	24	23	25	245	861	312	128	75
14	43	23	22	25	24	23	30	218	793	309	126	74
15	63	23	26	22	24	24	27	308	787	298	130	380
16	49	26	24	25	21	18	31	358	800	287	126	263
17	49	26	26	25	21	21	41	455	668	291	103	255
18	52	24	27	21	21	34	57	624	687	275	102	250
19	52	22	24	19	26	23	58	624	844	273	102	250
20	60	23	22	22	26	24	71	568	898	294	103	240
21	49	22	22	23	25	38	80	532	957	307	101	336
22	38	22	22	24	22	36	49	650	899	311	102	269
23	41	23	23	24	22	28	81	957	838	272	100	280
24	43	25	24	24	22	35	84	768	780	273	100	292
25	49	24	23	23	22	37	91	694	668	297	105	141
26	48	24	22	22	20	29	85	590	599	287	102	176
27	44	25	19	22	17	30	83	466	542	260	102	158
28	43	24	22	24	21	34	87	398	535	249	101	169
29	46	24	22	22	---	30	84	367	494	238	102	150
30	36	25	21	22	---	29	158	438	476	261	102	77
31	45	---	21	21	---	32	---	688	---	275	101	---
TOTAL	1949	767	681	705	612	801	1589	12012	24667	10043	4201	4791
MEAN	62.9	25.6	22.0	22.7	21.9	25.8	53.0	387	822	324	136	160
AC-FT	3870	1520	1350	1400	1210	1590	3150	23830	48930	19920	8330	9500
MAX	121	58	27	25	26	38	158	957	1070	489	379	380
MIN	36	20	12	19	17	18	24	104	476	238	100	74

CAL YR 1996 TOTAL 56717 MEAN 155 MAX 930 MIN 12 AC-FT 112500
WTR YR 1997 TOTAL 62818 MEAN 172 MAX 1070 MIN 12 AC-FT 124600

MAX DISCH 1129 CFS AT 0100 03-JUN-1997 GH 6.14 FT. SHIFT 0.00 FT. MAX GH 6.14 FT. AT 0100 03-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06734900 OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES, CO

LOCATION.--Lat 40°22'30", long 105°29'13", in SE¼NW¼ sec. 29, T.5 N., R.72 W., Larimer County, Hydrologic Unit 10190006, at tunnel entrance at south end of Olympus Dam on Lake Estes, 1.9 mi east of Estes Park.

GAGE.--Graphic water-stage recorder with satellite monitoring DCP with shaft encoder in a concrete shelter with supplemental outside staff gage. The DCP is the primary record.

REMARKS.--Record is complete and reliable. Record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--OLYTUNCO05 USED FROM 01-OCT-1996 TO 30-SEP-1997

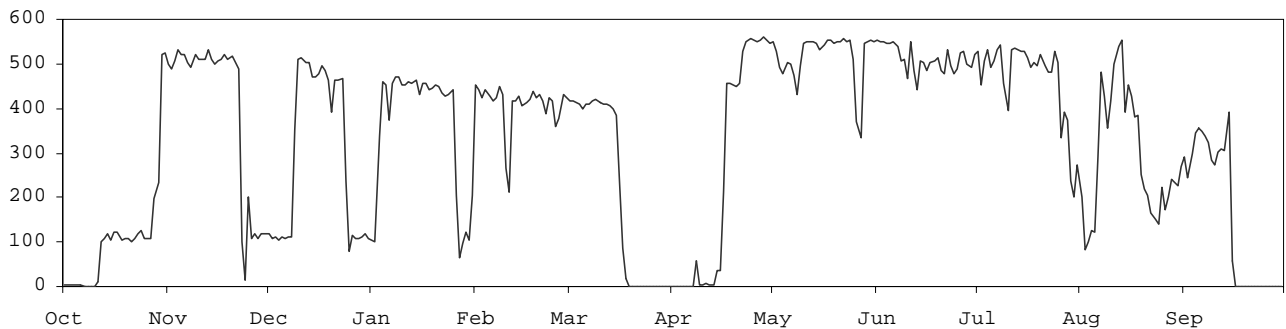
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	500	117	104	454	416	1.2	549	555	528	200	290
2	3.2	490	108	102	443	416	1.2	528	551	453	84	243
3	3.2	507	111	338	423	412	1.2	494	551	507	100	298
4	3.2	530	105	461	443	409	1.2	479	546	533	126	344
5	3.2	522	110	452	427	399	1.2	502	547	492	123	354
6	2.1	520	107	372	417	408	1.2	501	550	506	290	350
7	1.4	503	110	458	425	409	1.2	476	539	533	480	338
8	1.4	493	110	469	450	415	59	430	508	544	426	325
9	1.3	520	353	470	431	422	3.7	497	509	455	357	283
10	1.2	510	509	452	266	414	3.0	546	467	396	417	272
11	9.2	511	514	452	213	408	5.8	551	551	530	498	302
12	102	510	503	461	417	410	2.6	548	485	535	540	310
13	108	531	504	458	417	405	2.4	550	443	530	553	306
14	119	511	471	462	428	398	35	545	508	527	392	391
15	103	499	469	431	406	386	36	530	503	529	454	56
16	121	505	477	457	414	233	211	541	485	512	428	1.4
17	121	509	495	457	419	88	458	555	504	492	380	1.2
18	103	522	484	441	439	18	458	552	505	503	385	1.2
19	106	511	463	446	425	1.4	453	546	512	497	250	1.2
20	108	516	392	452	430	1.4	448	548	486	522	220	1.2
21	102	504	463	449	418	1.4	456	550	477	496	205	1.2
22	108	490	462	433	388	1.4	528	556	533	482	166	1.2
23	118	100	468	428	423	1.4	551	548	495	483	151	1.2
24	125	14	236	430	415	1.4	557	555	479	527	139	1.2
25	106	201	78	441	359	1.4	554	510	487	504	222	1.2
26	106	107	116	204	378	1.4	549	371	523	333	171	1.2
27	108	117	109	65	431	1.4	555	334	529	392	202	1.2
28	198	109	109	96	425	1.3	560	546	498	374	242	1.2
29	235	118	112	123	---	1.2	554	549	494	236	235	1.2
30	521	117	117	105	---	1.2	547	555	520	202	227	1.1
31	523	---	109	206	---	1.2	---	550	---	274	268	---
TOTAL	3273.6	12097	8891	11175	11424	6483.5	7594.9	16092	15340	14427	8931	4480.1
MEAN	106	403	287	360	408	209	253	519	511	465	288	149
AC-FT	6490	23990	17640	22170	22660	12860	15060	31920	30430	28620	17710	8890
MAX	523	531	514	470	454	422	560	556	555	544	553	391
MIN	1.2	14	78	65	213	1.2	1.2	334	443	202	84	1.1

CAL YR 1996 TOTAL 108374.0 MEAN 296 MAX 561 MIN 0.00 AC-FT 215000
WTR YR 1997 TOTAL 120209.1 MEAN 329 MAX 560 MIN 1.1 AC-FT 238400

MAX DISCH 614 CFS AT 0545 11-AUG-1997 GH 8.51 FT. SHIFT 0.00 FT. MAX GH 8.51 FT. AT 0545 11-AUG-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06736000 NORTH FORK BIG THOMPSON RIVER AT DRAKE, CO

LOCATION.--Lat 40°20'45", long 105°26'30", NW¼ sec. 3, T.5 N., R.71 W., Larimer County, 400 ft upstream from mouth at Drake, Co. on U. S. Highway 34 to Estes Park, Co.

DRAINAGE AREA.--85.1 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. The graphic chart was the primary record until Mar. 21, 1994 when a DCP and shaft encoder belonging to the DWR was installed due to the unreliability of the NWS DCP. From then on the DCP is the primary record using the graphic chart as backup.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 27, 1996-Mar. 27, 1997 when the station was closed and Apr. 10-15, 1997 when the inlets were frozen. Record was ice affected Nov. 7-8, 24, 1996. DCP record agrees with the graphic chart within +/- 0.02. The record is good, except for periods of no gage-height record and ice effect, which is poor. Station maintained and record developed by Merlin Friedrichsen.

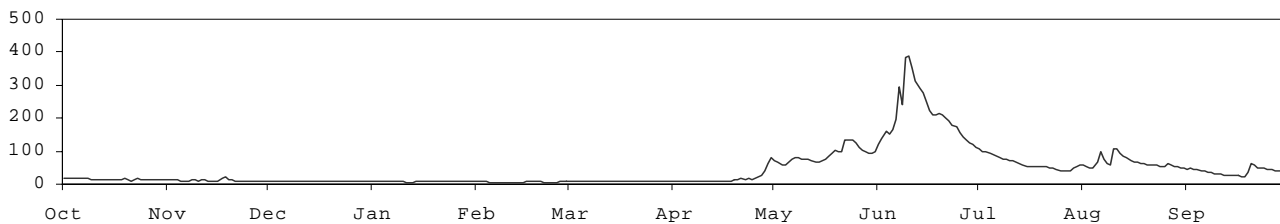
RATING TABLE.--BTNFDRCO10 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	13	8.0	9.0	8.0	7.0	8.4	73	119	106	58	46
2	17	14	8.0	9.0	8.0	7.0	7.8	65	137	98	52	49
3	17	14	8.0	9.0	7.0	7.0	8.1	58	162	96	47	45
4	19	12	8.0	9.0	7.0	7.0	10	58	154	92	49	44
5	18	11	8.0	8.0	6.0	7.0	8.8	67	163	89	68	41
6	17	9.3	8.0	7.0	6.0	7.0	7.2	77	197	84	99	39
7	17	11	8.0	7.0	6.0	8.0	8.3	82	293	79	77	36
8	16	12	8.0	7.0	6.0	8.0	8.5	82	240	77	63	35
9	15	14	8.0	7.0	6.0	8.0	8.0	78	382	74	59	33
10	14	11	8.0	7.0	6.0	8.0	8.0	76	387	70	108	32
11	14	12	8.0	6.0	6.0	8.0	8.0	75	352	70	106	31
12	14	12	8.0	6.0	6.0	9.0	8.0	70	314	66	93	29
13	14	11	8.0	6.0	6.0	9.0	8.0	66	290	62	84	28
14	14	11	8.0	7.0	6.0	8.0	8.0	69	275	59	81	27
15	14	11	7.0	7.0	6.0	8.0	8.0	71	252	55	73	26
16	15	9.9	7.0	7.0	7.0	8.0	9.1	75	224	53	69	26
17	14	19	7.0	7.0	7.0	9.0	10	86	212	52	68	24
18	14	23	7.0	7.0	7.0	9.0	11	94	208	52	64	23
19	16	14	7.0	7.0	7.0	9.0	12	101	215	52	63	36
20	15	12	8.0	7.0	7.0	9.0	15	99	208	55	60	63
21	9.4	11	8.0	7.0	6.0	9.0	16	100	202	52	56	56
22	12	10	8.0	7.0	6.0	9.0	15	134	191	49	60	49
23	18	10	8.0	7.0	6.0	9.0	16	136	180	47	60	51
24	15	7.0	8.0	7.0	6.0	9.0	14	135	175	46	55	51
25	15	10	8.0	7.0	6.0	8.0	18	123	158	42	54	46
26	14	9.1	8.0	7.0	7.0	8.0	23	113	142	40	63	43
27	14	8.0	9.0	7.0	7.0	10	26	101	133	39	57	42
28	14	8.0	9.0	7.0	7.0	8.2	40	96	125	41	55	39
29	14	8.0	9.0	7.0	---	8.5	64	95	119	49	54	39
30	14	8.0	9.0	7.0	---	7.4	80	95	113	54	51	38
31	13	---	9.0	8.0	---	8.4	---	100	---	57	48	---
TOTAL	464.4	345.3	248.0	224.0	182.0	254.5	492.2	2750	6322	1957	2054	1167
MEAN	15.0	11.5	8.00	7.23	6.50	8.21	16.4	88.7	211	63.1	66.3	38.9
AC-FT	921	685	492	444	361	505	976	5450	12540	3880	4070	2310
MAX	19	23	9.0	9.0	8.0	10	80	136	387	106	108	63
MIN	9.4	7.0	7.0	6.0	6.0	7.0	7.2	58	113	39	47	23
CAL YR 1996 TOTAL		11473.6	MEAN	31.3	MAX	151	MIN	6.2	AC-FT	22760		
WTR YR 1997 TOTAL		16460.4	MEAN	45.1	MAX	387	MIN	6.0	AC-FT	32650		

MAX DISCH 425 CFS AT 1930 09-JUN-1997 GH 5.32 FT. SHIFT -0.13 FT. MAX GH 5.32 FT. AT 1930 09-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

DILLE TUNNEL (EAST PORTAL) NEAR DRAKE, CO

LOCATION.--Lat 40°25'10", long 105°14'45", NW¼NW¼ sec. 9, T.5 N., R.70 W., Larimer County. Diverts water from Big Thompson River and Transmountain diversions from Colorado River basin to Hansen Feeder Canal.

GAGE.--Graphic water-stage recorder in concrete shelter at 8' Parshall flume.

REMARKS.--Record is complete and reliable. Flow at station is intermittent dependent on river flows and water orders. Record is good. Chart record is checked daily when tunnel is in operation by Northern Water Conservative District personnel. Station maintained and record developed by Fred Renner.

RATING TABLE.--DILTUNCO03 USED FROM 01-OCT-1996 TO 30-SEP-1997

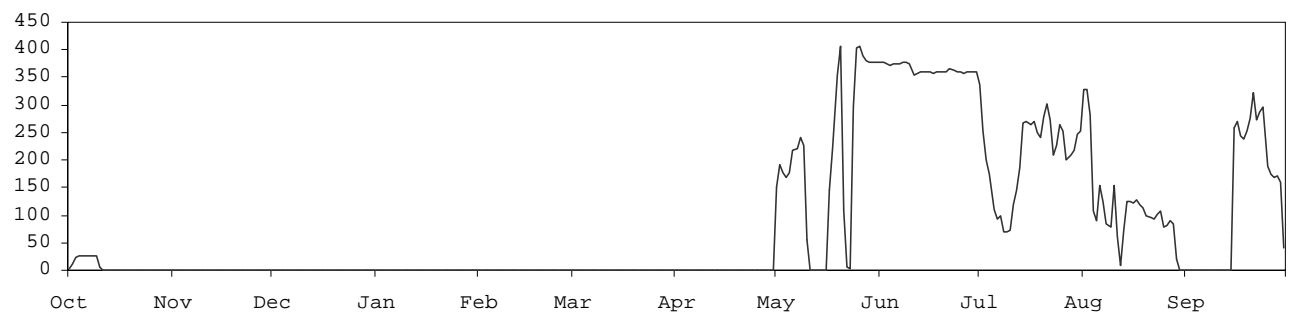
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	152	377	338	327	0.0
2	11	0.0	0.0	0.0	0.0	0.0	0.0	192	378	254	329	0.0
3	22	0.0	0.0	0.0	0.0	0.0	0.0	178	375	200	283	0.0
4	25	0.0	0.0	0.0	0.0	0.0	0.0	169	372	174	107	0.0
5	25	0.0	0.0	0.0	0.0	0.0	0.0	177	374	110	91	0.0
6	25	0.0	0.0	0.0	0.0	0.0	0.0	218	375	93	155	0.0
7	25	0.0	0.0	0.0	0.0	0.0	0.0	221	374	98	124	0.0
8	25	0.0	0.0	0.0	0.0	0.0	0.0	241	377	70	85	0.0
9	25	0.0	0.0	0.0	0.0	0.0	0.0	227	378	70	77	0.0
10	6.6	0.0	0.0	0.0	0.0	0.0	0.0	56	375	74	154	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	355	120	60	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	356	146	10	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	359	185	74	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	268	126	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	270	125	257
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	359	263	121	270
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	358	271	128	243
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	222	359	250	120	239
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	355	359	241	114	252
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	406	359	278	100	275
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107	359	301	97	322
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	365	272	92	273
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	363	209	103	286
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	295	360	226	106	297
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	403	359	265	79	189
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	407	356	252	82	175
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	389	360	201	91	168
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381	360	210	85	171
29	0.0	0.0	0.0	0.0	---	0.0	0.0	378	359	218	21	159
30	0.0	0.0	0.0	0.0	---	0.0	0.0	378	360	247	0.0	40
31	0.0	---	0.0	0.0	---	0.0	---	378	---	252	0.0	---
TOTAL	191.3	0.0	0.0	0.0	0.0	0.0	0.0	6082.2	10940	6426	3466	3616
MEAN	6.17	0.0	0.0	0.0	0.0	0.0	0.0	196	365	207	112	121
AC-FT	379	0.0	0.0	0.0	0.0	0.0	0.0	12060	21700	12750	6870	7170
MAX	25	0.0	0.0	0.0	0.0	0.0	0.0	407	378	338	329	322
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	355	70	0.0	0.0

CAL YR 1996 TOTAL 28968.67 MEAN 79.1 MAX 417 MIN 0.00 AC-FT 57460
WTR YR 1997 TOTAL 30721.5 MEAN 84.2 MAX 407 MIN 0.00 AC-FT 60940

MAX DISCH 414 CFS AT 2000 26-MAY-1997 GH 4.92 FT. SHIFT 0.00 FT. MAX GH 4.92 FT. AT 2000 26-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06738000 BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE, CO

LOCATION.--Lat 40°25'18", long 105°13'34", in SW¼SW¼ sec. 3, T,5 N., R.70 W., Larimer County, Hydrologic Unit 10190006, on right bank at mouth of canyon, 400 ft upstream from Handy Ditch diversion dam, and 6.0 mi east of Drake.

DRAINAGE AREA.--305 mi².

GAGE.--Water-stage recorder with satellite telemetry and shaft encoder activated by manometer in a concrete shelter with outside wire weight for reference. A bank operated cable way was added in 1997 for intermediate flow measurements.

REMARKS.--Record is complete and reliable except for Dec. 2, 1996-Mar. 18, 1997, when the control was frozen and the station was closed. Record is reliable except for Apr. 10, 1997 when orifice was plugged. Discharge for Apr. 10 was estimated from adjacent good record. The record is good, except for the winter period, which is poor. Station maintained and record developed by Merlin Friedrichsen.

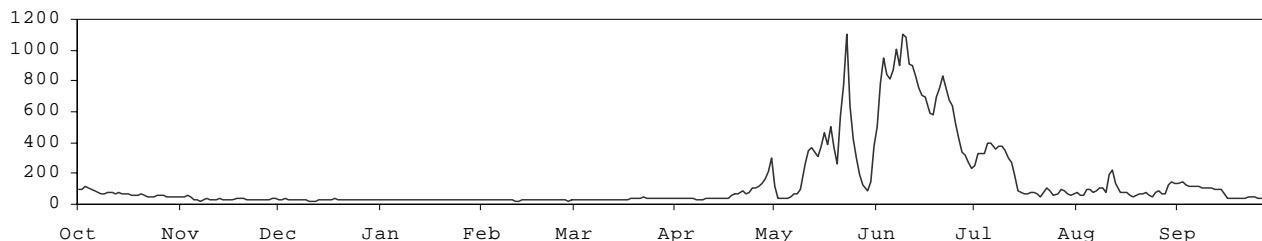
RATING TABLE.--BTCANYCO15 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	47	31	30	25	30	38	117	501	254	73	140
2	98	51	28	29	30	29	41	41	784	330	59	147
3	112	59	35	29	28	28	39	40	944	327	56	125
4	110	49	30	33	31	28	41	39	838	332	98	114
5	92	31	29	30	30	28	43	40	816	396	97	114
6	88	29	32	29	29	28	41	49	867	394	81	113
7	81	23	31	27	30	29	32	64	1010	357	85	112
8	69	30	29	31	28	29	31	72	902	381	102	111
9	63	35	30	30	28	28	31	92	1100	377	105	107
10	75	33	20	31	27	30	34	259	1080	350	81	107
11	74	30	24	31	23	28	38	344	912	298	193	105
12	72	33	24	31	23	30	36	367	904	273	220	101
13	75	34	28	31	30	32	35	336	828	184	139	96
14	64	33	30	31	30	31	37	312	753	91	81	94
15	66	33	33	29	30	32	38	382	708	78	76	65
16	66	31	31	32	28	26	38	462	694	72	73	35
17	58	29	33	32	28	30	43	386	593	63	56	34
18	60	39	34	28	28	43	54	502	584	75	52	34
19	61	37	31	26	33	37	66	366	701	77	54	35
20	66	34	30	29	33	34	72	265	754	63	64	37
21	60	32	30	30	31	41	85	571	834	52	67	42
22	49	32	30	31	28	46	71	779	752	77	73	48
23	53	32	31	31	28	41	79	1100	680	107	61	48
24	51	31	32	31	28	40	107	641	635	83	51	44
25	56	32	31	31	28	42	111	423	522	62	78	38
26	57	33	30	29	27	41	120	302	428	70	83	36
27	54	30	28	29	24	38	131	193	343	98	69	36
28	52	29	31	31	28	38	161	124	315	84	69	36
29	51	34	31	29	---	39	210	87	267	71	126	36
30	49	35	30	29	---	35	296	142	232	58	144	91
31	49	---	30	29	---	36	---	379	---	71	139	---
TOTAL	2130	1040	927	929	794	1047	2199	9276	21281	5605	2805	2281
MEAN	68.7	34.7	29.9	30.0	28.4	33.8	73.3	299	709	181	90.5	76.0
AC-FT	4220	2060	1840	1840	1570	2080	4360	18400	42210	11120	5560	4520
MAX	112	59	35	33	33	46	296	1100	1100	396	220	147
MIN	49	23	20	26	23	26	31	39	232	52	51	34
CAL YR 1996 TOTAL		39470	MEAN	108	MAX	655	MIN	20	AC-FT	78290		
WTR YR 1997 TOTAL		50314	MEAN	138	MAX	1100	MIN	20	AC-FT	99800		

MAX DISCH 1170 CFS AT 0330 09-JUN-1997 GH 4.42 FT. SHIFT -0.03 FT. MAX GH 4.42 FT. AT 0330 09-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

BUCKHORN CREEK NEAR MASONVILLE, CO

LOCATION.--Lat 40°26'04", long 105°10'47"

DRAINAGE AREA.--

GAGE.--Graphic water stage recorder in a 4' square wooden shelter with concrete well. The outside staff is the primary reference. The Graphic chart is the primary record.

REMARKS.--Record is complete except for the following periods: Oct. 15, 1996-Mar. 28, 1997 when the station was closed for the season. Apr. 17-28; Jul. 2-7, 1997 when the manometer was not working. The graphic chart record is good except for periods when the manometer was not working which is poor. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--BUCRMVCO05 USED FROM 01-OCT-1996 TO 30-SEP-1997

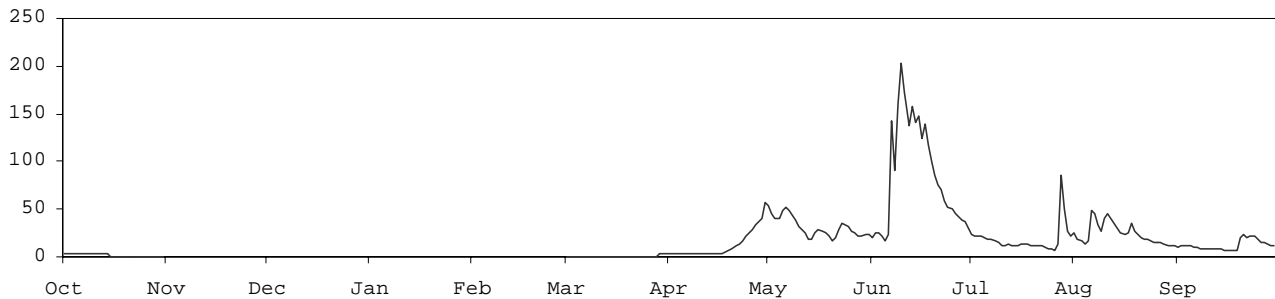
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	---	---	---	---	0.0	3.4	53	20	23	26	10
2	3.6	---	---	---	---	0.0	3.4	46	25	21	19	11
3	3.7	---	---	---	---	0.0	3.6	40	26	21	16	12
4	3.4	---	---	---	---	0.0	3.7	40	21	21	14	12
5	3.4	---	---	---	---	0.0	3.4	48	17	20	16	11
6	3.6	---	---	---	---	0.0	3.4	52	24	18	49	10
7	3.4	---	---	---	---	0.0	3.4	49	143	18	46	9.6
8	3.4	---	---	---	---	0.0	3.4	43	91	16	34	9.1
9	3.4	---	---	---	---	0.0	3.4	38	160	15	27	8.5
10	3.7	---	---	---	---	0.0	3.4	32	203	12	40	7.8
11	3.4	---	---	---	---	0.0	3.4	29	173	12	45	7.8
12	3.7	---	---	---	---	0.0	3.2	25	138	13	40	9.0
13	3.7	---	---	---	---	0.0	3.2	18	158	12	35	9.1
14	4.0	---	---	---	---	0.0	3.2	19	141	12	30	8.0
15	0.0	---	---	---	---	0.0	3.2	25	148	12	26	7.3
16	0.0	---	---	---	---	0.0	3.2	29	125	13	24	7.0
17	0.0	---	---	---	---	0.0	3.2	27	140	13	26	7.0
18	0.0	---	---	---	---	0.0	4.3	26	118	13	35	6.6
19	0.0	---	---	---	---	0.0	6.6	22	100	11	27	7.5
20	0.0	---	---	---	---	0.0	8.7	16	86	12	23	20
21	0.0	---	---	---	---	0.0	11	20	76	12	20	23
22	0.0	---	---	---	---	0.0	14	28	71	11	19	20
23	0.0	---	---	---	---	0.0	17	36	59	10	19	22
24	0.0	---	---	---	---	0.0	21	34	52	9.1	16	21
25	0.0	---	---	---	---	0.0	25	32	51	8.6	15	18
26	0.0	---	---	---	---	0.0	28	27	45	7.2	15	15
27	0.0	---	---	---	---	0.0	34	25	42	14	15	15
28	0.0	---	---	---	---	0.0	37	21	38	85	14	13
29	0.0	---	---	---	---	3.7	41	21	37	51	12	12
30	0.0	---	---	---	---	3.7	57	24	31	27	12	12
31	0.0	---	---	---	---	3.4	---	23	---	22	12	---
TOTAL	49.8					10.8	361.7	968	2559	564.9	767	361.3
MEAN	1.61					0.35	12.1	31.2	85.3	18.2	24.7	12.0
AC-FT	99					21	717	1920	5080	1120	1520	717
MAX	4.0					3.7	57	53	203	85	49	23
MIN	0.0					0.0	3.2	16	17	7.2	12	6.6

CAL YR 1996 TOTAL MEAN MAX MIN AC-FT 112500
WTR YR 1997 TOTAL 5642.5 MEAN 15.5 MAX 203 MIN 0.00 AC-FT 11190

MAX DISCH 689 CFS AT 2400 28-JUL-1997 GH 8.68 FT. SHIFT -0.75 FT. MAX GH 8.68 FT. AT 2400 28-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON NEAR DRAKE, CO

LOCATION.--Lat 40°25'20", long 105°13'33", SW¼SW¼ sec. 3, T.5 N., T.70 W., Larimer County.

GAGE.--Graphic water-stage recorder and shaft encoder in a concrete shelter. The DCP is the primary record with chart backup. Station maintained by Northern Colo. Water Conservancy District.

REMARKS.--Record is complete and reliable. Graphic chart record was used on Jan. 13; Feb. 4, 14; Apr. 23; May 9-10; June 3, 1997 when DCP values were low or missing. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--HFCBBS013 USED FROM 01-OCT-1996 TO 30-SEP-1997

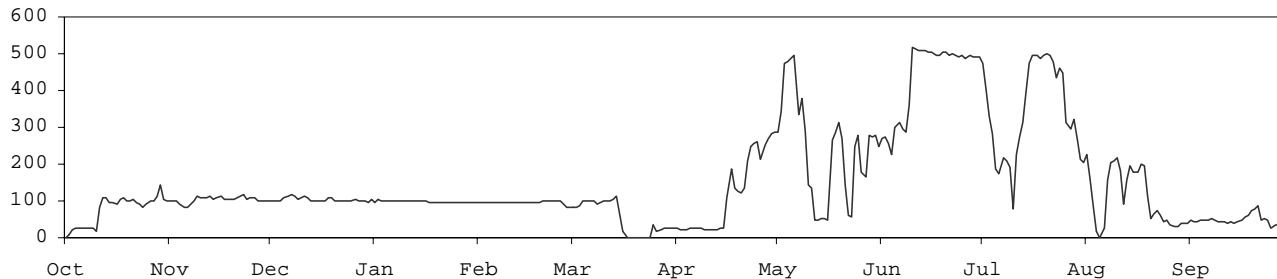
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	101	102	97	96	83	24	286	268	475	228	48
2	10	101	102	104	96	83	23	344	273	403	163	42
3	22	102	101	100	96	88	22	475	257	330	85	43
4	25	91	102	100	96	101	23	480	226	282	16	50
5	26	84	110	100	96	101	26	489	299	189	0.0	48
6	26	82	114	100	96	102	25	496	315	174	27	49
7	25	93	117	99	96	98	24	335	294	218	156	51
8	25	100	112	99	97	93	24	377	288	208	203	46
9	25	112	103	100	96	94	23	292	359	190	208	43
10	18	110	107	99	96	100	23	143	518	78	216	42
11	82	110	111	99	96	100	21	133	515	226	181	45
12	108	109	107	99	97	100	22	50	510	272	91	39
13	109	112	102	99	97	103	23	50	507	313	155	43
14	96	103	101	98	96	112	25	51	510	395	195	40
15	96	109	100	98	97	67	25	51	505	472	178	43
16	93	112	100	98	97	17	107	46	503	495	178	46
17	103	104	101	97	97	0.0	188	265	495	496	200	56
18	107	103	110	97	97	0.0	134	288	496	489	194	61
19	101	105	109	97	97	0.0	124	312	505	497	111	76
20	98	105	100	97	98	0.0	123	268	504	500	51	80
21	106	110	100	97	98	0.0	135	142	495	496	67	88
22	94	115	100	97	98	0.0	209	60	501	477	72	49
23	90	117	100	97	99	0.0	246	55	494	436	63	51
24	82	103	100	97	99	0.0	255	246	492	463	43	46
25	93	107	100	97	99	35	259	280	495	450	49	28
26	100	110	106	96	90	19	213	178	488	313	36	35
27	100	99	100	96	82	20	252	166	494	297	32	35
28	115	98	101	96	82	26	271	280	493	320	32	36
29	144	101	102	96	---	26	284	273	492	271	40	32
30	103	102	97	96	---	25	285	277	493	215	39	28
31	101	---	103	96	---	24	---	250	---	205	40	---
TOTAL	2323	3110	3220	3038	2677	1617	3438	7438	13084	10645	3349	1419
MEAN	74.9	104	104	98.0	95.6	52.2	115	240	436	343	108	47.3
AC-FT	4610	6170	6390	6030	5310	3210	6820	14750	25950	21110	6640	2810
MAX	144	117	117	104	99	112	285	496	518	500	228	88
MIN	0.0	82	97	96	82	0.0	21	46	226	78	0.0	28

CAL YR 1996 TOTAL 70690.63 MEAN 193 MAX 521 MIN 0.00 AC-FT 140200
WTR YR 1997 TOTAL 55358 MEAN 152 MAX 518 MIN 0.00 AC-FT 109800

MAX DISCH 556 CFS AT 0845 06-MAY-1997 GH 8.49 FT. SHIFT 0.00 FT. MAX GH 8.49 FT. AT 0845 06-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06738100 CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON NEAR DRAKE, CO

LOCATION.--Lat 40°25'11", long 105°13'30", NE¼NW¼ sec. 10, T.5 N., R.70 W., Larimer County.

GAGE.--Graphic water-stage recorder with satellite telemetry in concrete shelter with supplemental outside staff gage at 15' Parshall flume. Station maintained by N.C.W.C.D.

REMARKS.--Record is complete and reliable. Flow at station is intermittent depending on operation of power plant and flow north. The wasteway serves as both a safety valve and delivery system returning water back to the Big Thompson River. Record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--HFCWASCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

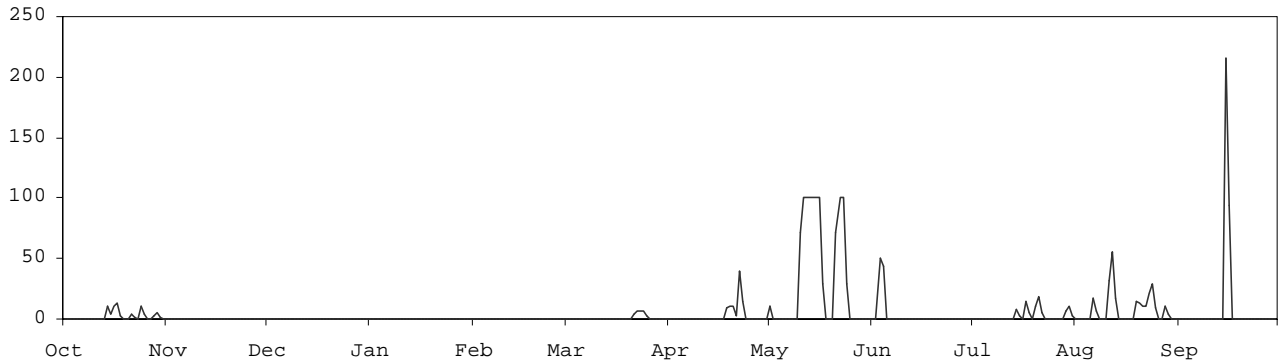
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101	0.0	0.0	32	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	0.0	0.0	56	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	0.0	0.0	17	0.0
14	10	0.0	0.0	0.0	0.0	0.0	0.0	101	0.0	7.6	0.0	0.0
15	3.8	0.0	0.0	0.0	0.0	0.0	0.0	100	0.0	3.2	0.0	216
16	10	0.0	0.0	0.0	0.0	0.0	0.0	100	0.0	0.0	0.0	94
17	13	0.0	0.0	0.0	0.0	0.0	0.0	29	0.0	14	0.0	0.0
18	3.3	0.0	0.0	0.0	0.0	0.0	8.8	0.0	0.0	5.7	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0	14	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	10	13	0.0
21	4.1	0.0	0.0	0.0	0.0	4.5	3.2	71	0.0	19	10	0.0
22	1.4	0.0	0.0	0.0	0.0	6.7	40	100	0.0	5.9	10	0.0
23	0.0	0.0	0.0	0.0	0.0	7.1	14	100	0.0	0.0	21	0.0
24	10	0.0	0.0	0.0	0.0	7.1	0.0	29	0.0	0.0	29	0.0
25	3.9	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	9.1	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0
29	5.5	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	6.6	4.6	0.0
30	1.5	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	10	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	2.9	0.0	---
TOTAL	68.9	0.0	0.0	0.0	0.0	27.7	88.0	1014	94	84.9	250.8	310
MEAN	2.22	0.0	0.0	0.0	0.0	0.89	2.93	32.7	3.13	2.74	8.09	10.3
AC-FT	137	0.0	0.0	0.0	0.0	55	175	2010	186	168	497	615
MAX	13	0.0	0.0	0.0	0.0	7.1	40	101	50	19	56	216
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 1975.72 MEAN 5.40 MAX 142 MIN 0.00 AC-FT 3920
WTR YR 1997 TOTAL 1938.3 MEAN 5.31 MAX 216 MIN 0.00 AC-FT 3840

MAX DISCH 342 CFS AT 0800 15-SEP-1997 GH 2.95 FT. SHIFT 0.00 FT. MAX GH 2.95 FT. AT 0800 15-SEP-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06738100 CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON RIVER
NEAR DRAKE, CO

LOCATION.--Lat 40°25'15", long 105°13'30", NE¼NW¼ sec. 10, T.5 N., R.70 W., Larimer County.

GAGE.--Graphic water-stage recorder with satellite telemetry and inclined manometer.

REMARKS.--Record is complete and reliable. Flow at station is intermittent dependent on river flows, water orders, and other regulations. Record is good. Chart record is checked daily when tunnel is in operation. Record developed by Merlin Friedrichsen.

RATING TABLE.--BTPPMCCO02 USED FROM 01-OCT-1996 TO 15-APR-1997

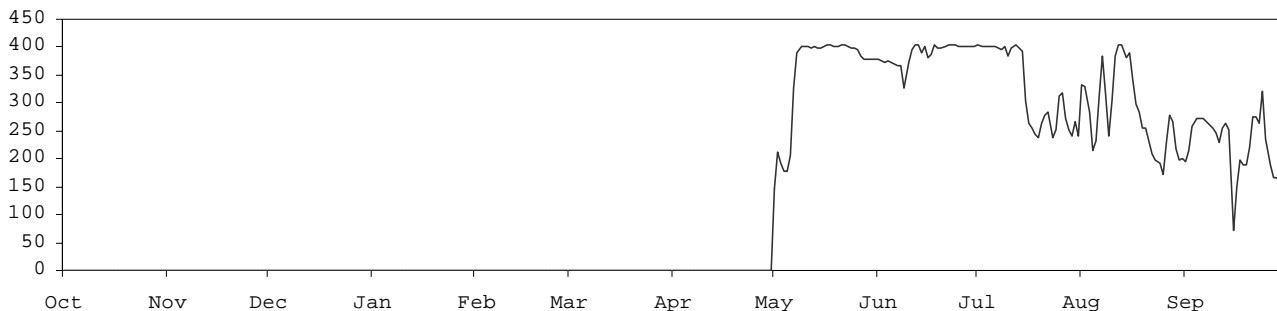
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146	377	403	332	194
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	212	376	402	331	215
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	191	374	400	285	259
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178	375	401	215	273
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179	372	401	232	273
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	206	371	400	311	273
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	326	368	399	384	267
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	390	366	395	316	262
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	327	400	240	256
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	401	374	385	304	246
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	401	396	397	384	230
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	399	404	403	404	254
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	403	399	404	263
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	399	391	394	380	253
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	398	400	304	389	72
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	402	382	265	341	148
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	404	387	256	297	197
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	404	405	243	283	188
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	402	399	239	255	188
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	402	399	264	254	222
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	403	400	279	231	274
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	405	403	283	210	276
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	401	403	238	199	264
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	399	403	251	191	320
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	398	402	313	172	234
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	396	400	318	229	189
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	385	400	271	279	165
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	377	401	252	266	167
29	0.0	0.0	0.0	0.0	---	0.0	0.0	378	401	241	218	164
30	0.0	0.0	0.0	0.0	---	0.0	0.0	377	402	266	199	47
31	0.0	---	0.0	0.0	---	0.0	---	377	---	242	201	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10936	11661	10104	8736	6633
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	353	389	326	282	221
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21690	23130	20040	17330	13160
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	405	405	403	404	320
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146	327	238	172	47

CAL YR 1996 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1997 TOTAL 48070 MEAN 132 MAX 405 MIN 0.00 AC-FT 95350

MAX DISCH 200 CFS AT 1230 14-APR-1997 GH 40.00 FT. SHIFT 8877.00 FT. MAX GH 40.00 FT. AT 1230 14-APR-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

BOULDER CREEK SUPPLY CANAL TO BOULDER CREEK NEAR BOULDER, CO

LOCATION.--Lat 40°03'11", long 105°11'33", SW¼NW¼ sec. 13, T.1 N., R. 70 W., Boulder County.

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder in a 36-inch galvanized shelter with supplemental outside staff at 10' Parshall Flume.

REMARKS.--Record is complete and reliable. The canal was off on the following days: Oct. 11, 15-16, 24-25; Nov. 1, 1996-Mar. 31, 1997; Apr. 5-6, 9, 18-30; May 1-3, 6-7, 10-11, 20,24, 28-31; June 1-18; Aug. 13-20; Sep. 26-30, 1997. Record is good. Record developed by Fred Renner.

RATING TABLE.--BCSCBCCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

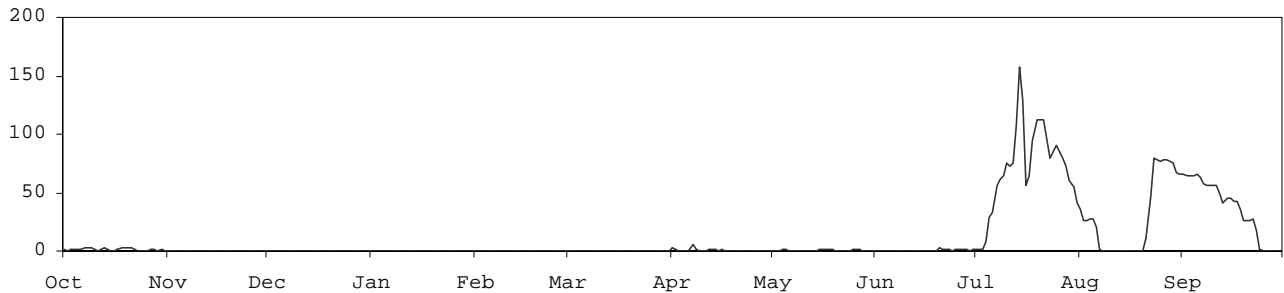
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.69	36	66
2	0.44	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.84	26	65
3	1.9	0.0	0.0	0.0	0.0	0.0	0.44	0.0	0.0	0.69	26	64
4	1.7	0.0	0.0	0.0	0.0	0.0	0.44	0.78	0.0	8.8	27	65
5	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	29	27	66
6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	21	63
7	2.1	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	56	1.9	58
8	2.5	0.0	0.0	0.0	0.0	0.0	1.8	0.48	0.0	62	0.56	56
9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.44	0.0	65	0.44	56
10	1.2	0.0	0.0	0.0	0.0	0.0	0.14	0.0	0.0	75	0.44	56
11	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	72	0.44	56
12	1.6	0.0	0.0	0.0	0.0	0.0	0.75	0.16	0.0	75	0.44	50
13	3.0	0.0	0.0	0.0	0.0	0.0	1.1	0.14	0.0	108	0.0	41
14	1.6	0.0	0.0	0.0	0.0	0.0	1.3	0.53	0.0	157	0.0	45
15	0.0	0.0	0.0	0.0	0.0	0.0	0.65	0.69	0.0	129	0.0	45
16	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.69	0.0	56	0.0	43
17	1.8	0.0	0.0	0.0	0.0	0.0	0.44	0.69	0.0	65	0.0	43
18	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.0	95	0.0	36
19	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.52	112	0.0	26
20	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	113	0.0	26
21	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	112	11	26
22	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.99	96	47	27
23	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.84	79	79	18
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	85	78	0.99
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.69	90	77	0.33
26	0.24	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.84	85	78	0.0
27	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.69	79	78	0.0
28	0.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	72	77	0.0
29	0.44	0.0	0.0	0.0	0.0	---	0.0	0.0	0.56	60	75	0.0
30	0.84	0.0	0.0	0.0	---	0.0	0.0	0.0	0.69	55	67	0.0
31	0.47	---	0.0	0.0	---	0.0	---	0.0	---	41	66	---
TOTAL	41.69	0.0	0.0	0.0	0.0	0.0	17.86	11.29	11.37	2167.02	900.22	1098.32
MEAN	1.34	0.0	0.0	0.0	0.0	0.0	0.60	0.36	0.38	69.9	29.0	36.6
AC-FT	83	0.0	0.0	0.0	0.0	0.0	35	22	23	4300	1790	2180
MAX	3.0	0.0	0.0	0.0	0.0	0.0	4.8	1.9	2.8	157	79	66
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.0	0.0

CAL YR 1996 TOTAL 5711.15 MEAN 15.6 MAX 170 MIN 0.00 AC-FT 11330
WTR YR 1997 TOTAL 4247.77 MEAN 11.6 MAX 157 MIN 0.00 AC-FT 8430

MAX DISCH 161 CFS AT 1330 14-JUL-1997 GH 2.36 FT. SHIFT 0.00 FT. MAX GH 2.36 FT. AT 1330 14-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

BOULDER CREEK FEEDER CANAL NEAR LYONS, CO

LOCATION.--Lat 40°12'58", long 105°15'28", NE¼NW¼ sec. 20, T.3 N., R.70 W., Boulder County.

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder in a 36-inch galvanized shelter with supplemental outside staff gage at 10' Parshall Flume.

REMARKS.--Record is complete and reliable except for the following period: Nov. 1, 1996-Mar. 31, 1997 when station was closed for the winter; Sep. 13-14, 1997 when float hung up in well. Record is good except for period of no gage-height, which is fair. Record is good. Record developed by Fred Renner.

RATING TABLE.--BFCLYOCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

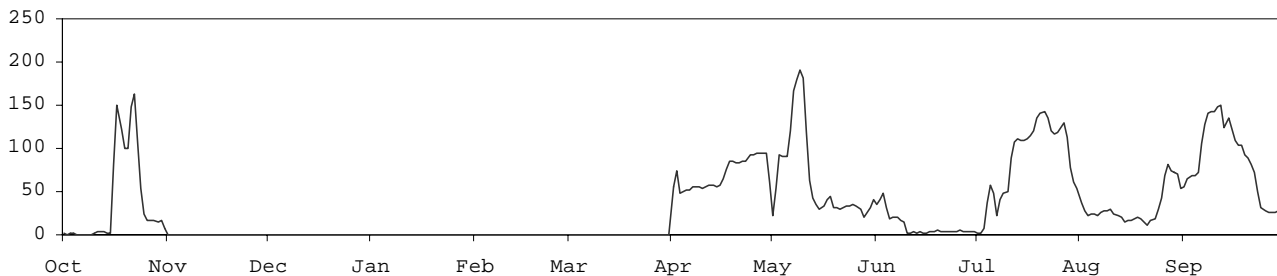
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	0.0	0.0	0.0	0.0	0.0	55	22	35	2.4	37	55
2	0.86	0.0	0.0	0.0	0.0	0.0	74	54	40	1.0	27	65
3	1.7	0.0	0.0	0.0	0.0	0.0	49	92	48	7.2	23	68
4	2.2	0.0	0.0	0.0	0.0	0.0	50	91	31	37	24	68
5	0.45	0.0	0.0	0.0	0.0	0.0	52	91	18	57	25	73
6	0.45	0.0	0.0	0.0	0.0	0.0	52	121	20	49	23	105
7	0.33	0.0	0.0	0.0	0.0	0.0	55	167	20	22	26	128
8	0.23	0.0	0.0	0.0	0.0	0.0	56	180	17	41	27	140
9	0.45	0.0	0.0	0.0	0.0	0.0	55	191	14	48	28	142
10	1.9	0.0	0.0	0.0	0.0	0.0	54	182	2.6	50	29	142
11	2.8	0.0	0.0	0.0	0.0	0.0	55	118	1.4	89	25	148
12	3.3	0.0	0.0	0.0	0.0	0.0	57	63	4.4	108	22	150
13	3.3	0.0	0.0	0.0	0.0	0.0	57	43	1.7	111	20	125
14	2.2	0.0	0.0	0.0	0.0	0.0	55	35	3.3	110	14	135
15	1.4	0.0	0.0	0.0	0.0	0.0	58	30	1.2	109	16	123
16	82	0.0	0.0	0.0	0.0	0.0	64	34	1.5	112	16	110
17	150	0.0	0.0	0.0	0.0	0.0	76	40	3.0	115	18	103
18	122	0.0	0.0	0.0	0.0	0.0	86	44	3.6	120	20	103
19	100	0.0	0.0	0.0	0.0	0.0	85	31	5.6	135	18	92
20	100	0.0	0.0	0.0	0.0	0.0	84	31	3.1	141	14	89
21	148	0.0	0.0	0.0	0.0	0.0	84	29	3.3	142	12	81
22	163	0.0	0.0	0.0	0.0	0.0	85	32	3.6	136	16	73
23	108	0.0	0.0	0.0	0.0	0.0	86	34	3.1	120	18	50
24	54	0.0	0.0	0.0	0.0	0.0	92	34	3.3	116	29	32
25	24	0.0	0.0	0.0	0.0	0.0	93	35	4.4	118	42	28
26	17	0.0	0.0	0.0	0.0	0.0	94	34	5.3	124	69	26
27	17	0.0	0.0	0.0	0.0	0.0	94	29	3.3	130	81	26
28	16	0.0	0.0	0.0	0.0	0.0	94	21	3.8	113	75	26
29	14	0.0	0.0	0.0	---	0.0	94	26	3.8	78	72	27
30	16	0.0	0.0	0.0	---	0.0	61	32	4.1	62	70	27
31	8.1	---	0.0	0.0	---	0.0	---	40	---	54	54	---
TOTAL	1162.87	0.0	0.0	0.0	0.0	0.0	2106	2006	312.4	2657.6	990	2560
MEAN	37.5	0.0	0.0	0.0	0.0	0.0	70.2	64.7	10.4	85.7	31.9	85.3
AC-FT	2310	0.0	0.0	0.0	0.0	0.0	4180	3980	620	5270	1960	5080
MAX	163	0.0	0.0	0.0	0.0	0.0	94	191	48	142	81	150
MIN	0.23	0.0	0.0	0.0	0.0	0.0	49	21	1.2	1.0	12	26

CAL YR 1996 TOTAL 6463.16 MEAN 17.7 MAX 163 MIN 0.00 AC-FT 12820
WTR YR 1997 TOTAL 11794.87 MEAN 32.3 MAX 191 MIN 0.00 AC-FT 23400

MAX DISCH 197 CFS AT 1230 09-MAY-1997 GH 2.69 FT. SHIFT 0.00 FT. MAX GH 2.69 FT. AT 1230 09-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

BOULDER FEEDER CANAL TO LEFTHAND CREEK

LOCATION.--Lat 40°06'13", long 105°13'12", SE¼SE¼ sec. 28, T.2 N., R.70 W., Boulder County.

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder in a six-by-six concrete shelter with supplemental outside staff gage at 4' Parshall Flume.

REMARKS.--Record is complete and reliable except for the following period: Oct. 1, 1996-May 30, 1997; June 5-July 8; Aug. 3-23; Sep. 17-30, 1997 when canal was off. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--BFCLHCCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

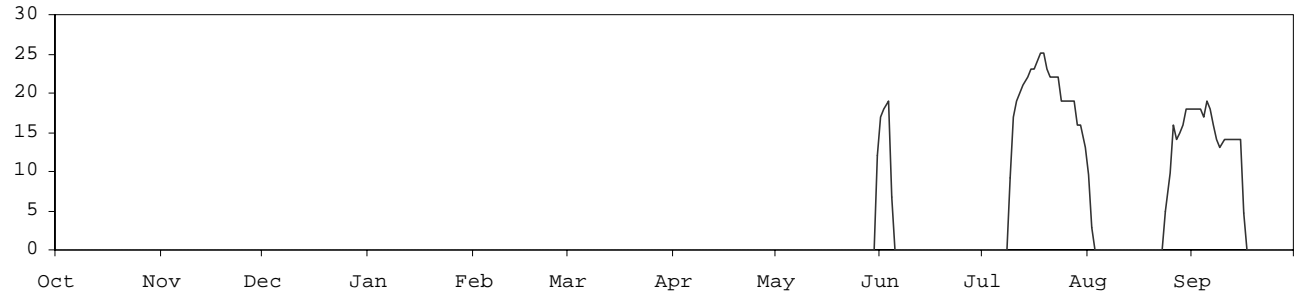
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	9.5	18
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	2.8	18
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	18
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	17
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	13
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	14
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	14
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	14
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	14
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	14
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	4.6
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	4.8	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	9.7	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	16	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	14	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	15	0.0
29	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	16	16	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	16	18	0.0
31	0.0	---	0.0	0.0	---	0.0	---	12	---	13	18	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	60.7	457.1	123.8	239.6
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	2.02	14.7	3.99	7.99
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	120	907	246	475
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	19	25	18	19
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 686.2 MEAN 1.87 MAX 21 MIN 0.00 AC-FT 1360
WTR YR 1997 TOTAL 893.2 MEAN 2.45 MAX 25 MIN 0.00 AC-FT 1770

MAX DISCH 26 CFS AT 1000 17-JUL-1997 GH 1.35 FT. SHIFT 0.00 FT. MAX GH 1.35 FT. AT 1000 17-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

DRY CREEK TURNOUT NEAR NIWOT, CO

LOCATION.--Lat 40°04'50", long 105°12'26", SE¼NE¼ sec. 3, T.1 N., R.70 W., Boulder County.

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder in a 36-inch galvanized shelter with supplemental outside staff gage.

REMARKS.--Record is complete and reliable except for the following period: Oct. 1, 1996-May 13, 1997 when station was closed for season; May 31-July 2, 1997 when canal was off; Aug. 8-Sep. 30, 1997 when canal was turned off for season. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--DRYCRKCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

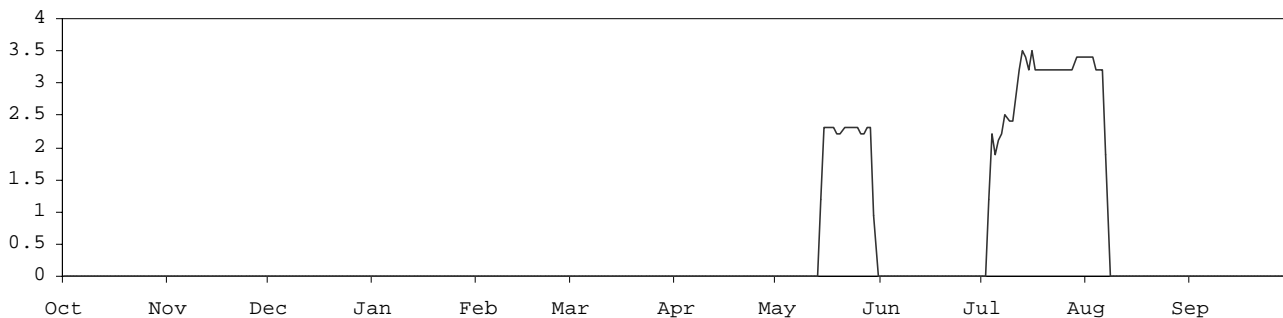
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.4	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	3.2	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.2	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	3.2	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.9	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	3.4	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	3.2	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	3.5	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	3.2	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	3.2	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	3.2	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	3.2	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	3.2	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	3.2	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	3.2	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	3.2	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	3.2	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	3.2	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	3.2	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	3.2	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	2.3	0.0	3.4	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.95	0.0	3.4	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	3.4	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.25	0.0	85.1	21.7	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.17	0.0	2.75	0.70	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72	0.0	169	43	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	3.5	3.4	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 509.06 MEAN 1.39 MAX 6.4 MIN 0.00 AC-FT 1010
WTR YR 1997 TOTAL 143.05 MEAN 0.39 MAX 3.5 MIN 0.00 AC-FT 284

MAX DISCH 3.6 CFS AT 0730 13-JUL-1997 GH 0.50 FT. SHIFT 0.00 FT. MAX GH 0.50 FT. AT 0730 13-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

HANSEN FEEDER CANAL AT T.O. TO COTTONWOOD CREEK NEAR NIWOT, CO

LOCATION.--Lat 40°22'33", long 105°13'29", NW¼NW¼ sec. 27, T.5 N., R.70 W., Larimer County.

DRAINAGE AREA.--N/A

GAGE.--No graphic recorder at present, but staff gage is set in flume. Maintained by Northern Water Conservancy District Personnel.

REMARKS.--No flow this water year. Record maintained by Fred Renner.

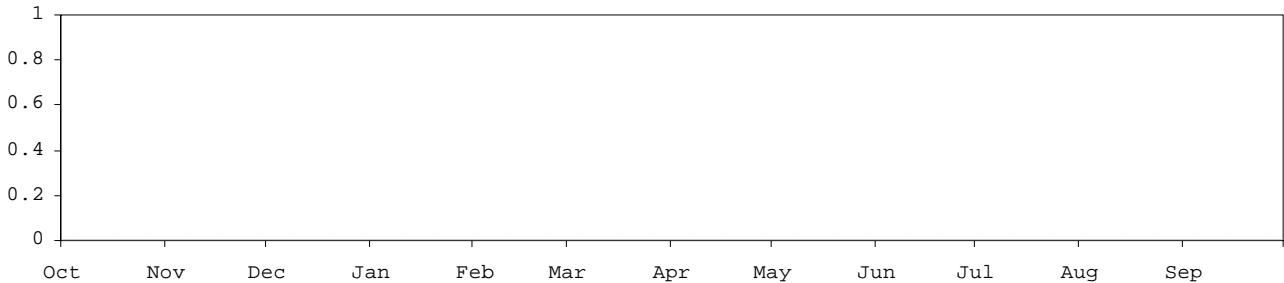
RATING TABLE.--HFCCRC001 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	---	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1997 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

SOUTH PLATTE SUPPLY CANAL BELOW SAND LAKE NEAR FT. LUPTON, CO

LOCATION.--Lat 40°06'58", long 104°50'19", NW¼NE¼ sec. 25, T.2 N., R.67 W., Weld County.

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder at 8' Parshall Flume in a 36-inch galvanized shelter with supplemental outside staff gage.

REMARKS.--All figures supplied by the district water commissioner from Conservancy District records and partial year recorder charts. Record developed by Rodger Burcher.

RATING TABLE.--SPSCFLC002 USED FROM 01-OCT-1996 TO 30-SEP-1997

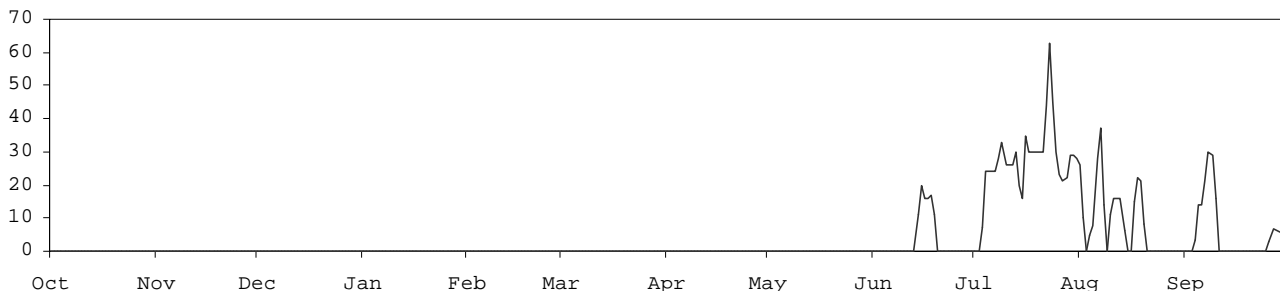
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	4.9	3.4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	7.9	14
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	28	14
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	37	21
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	14	30
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0	29
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	11	16
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	16	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	16	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	16	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	20	6.5	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	16	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	35	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	30	15	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	30	22	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	30	21	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	8.4	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	2.9
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	6.8
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	6.5
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	29	0.0	5.9
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	29	0.0	5.7
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	28	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91	827.1	259.7	155.2
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.03	26.7	8.38	5.17
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	180	1640	515	308
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	63	37	30
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL	2307.4	MEAN	6.30	MAX	126	MIN	0.00	AC-FT	4580
WTR YR 1997 TOTAL	1333.0	MEAN	3.65	MAX	63	MIN	0.00	AC-FT	2640

MAX DISCH 85 CFS AT 1700 16-JUL-1997 GH 1.83 FT. SHIFT 0.00 FT. MAX GH 1.83 FT. AT 1700 16-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

ST. VRAIN SUPPLY CANAL NEAR LYONS, CO

LOCATION.--Lat 40°13'05", long 105°15'35", NE¼NW¼ sec. 20, T.3 N., R.70 W., Boulder County.

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder in a 36-inch galvanized shelter at 15' Parshall Flume.

REMARKS.--Record is complete and reliable except for the following period: Nov. 1, 1996-Mar. 31, 1997 when station was closed for the winter. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--SVSLYOCO05 USED FROM 01-OCT-1996 TO 30-SEP-1997

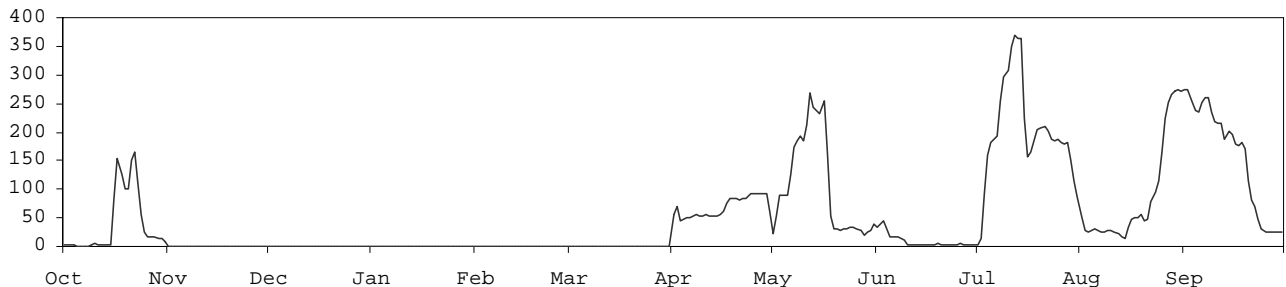
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	0.0	0.0	0.0	0.0	0.0	55	21	34	2.2	51	275
2	1.4	0.0	0.0	0.0	0.0	0.0	71	53	38	14	28	273
3	2.2	0.0	0.0	0.0	0.0	0.0	46	90	46	91	24	252
4	2.8	0.0	0.0	0.0	0.0	0.0	48	90	30	159	27	238
5	1.2	0.0	0.0	0.0	0.0	0.0	50	90	17	182	30	235
6	1.0	0.0	0.0	0.0	0.0	0.0	50	125	18	187	28	251
7	1.0	0.0	0.0	0.0	0.0	0.0	53	174	18	193	26	261
8	1.0	0.0	0.0	0.0	0.0	0.0	55	185	15	254	26	259
9	3.4	0.0	0.0	0.0	0.0	0.0	54	193	12	297	27	236
10	6.4	0.0	0.0	0.0	0.0	0.0	54	185	2.2	307	28	218
11	3.1	0.0	0.0	0.0	0.0	0.0	55	213	1.4	350	24	214
12	3.8	0.0	0.0	0.0	0.0	0.0	54	268	4.1	369	22	216
13	3.8	0.0	0.0	0.0	0.0	0.0	54	244	1.9	364	18	187
14	2.8	0.0	0.0	0.0	0.0	0.0	53	239	3.4	364	14	202
15	1.7	0.0	0.0	0.0	0.0	0.0	56	233	1.4	224	34	196
16	84	0.0	0.0	0.0	0.0	0.0	61	254	1.4	156	48	178
17	155	0.0	0.0	0.0	0.0	0.0	76	159	3.2	165	49	177
18	126	0.0	0.0	0.0	0.0	0.0	84	52	3.4	185	51	181
19	102	0.0	0.0	0.0	0.0	0.0	83	31	4.8	204	55	171
20	102	0.0	0.0	0.0	0.0	0.0	83	31	2.8	208	46	116
21	150	0.0	0.0	0.0	0.0	0.0	82	28	2.8	210	47	80
22	164	0.0	0.0	0.0	0.0	0.0	83	31	3.8	202	78	71
23	110	0.0	0.0	0.0	0.0	0.0	84	32	3.1	187	96	48
24	56	0.0	0.0	0.0	0.0	0.0	91	33	3.1	185	116	31
25	25	0.0	0.0	0.0	0.0	0.0	92	34	4.1	188	165	26
26	17	0.0	0.0	0.0	0.0	0.0	92	32	5.2	182	223	25
27	17	0.0	0.0	0.0	0.0	0.0	92	28	3.1	179	252	24
28	16	0.0	0.0	0.0	0.0	0.0	92	20	3.8	181	266	24
29	15	0.0	0.0	0.0	---	0.0	91	25	3.8	150	271	25
30	15	0.0	0.0	0.0	---	0.0	59	28	3.8	115	275	26
31	7.9	---	0.0	0.0	---	0.0	---	38	---	87	270	---
TOTAL	1199.7	0.0	0.0	0.0	0.0	0.0	2053	3259	294.6	6141.2	2715	4716
MEAN	38.7	0.0	0.0	0.0	0.0	0.0	68.4	105	9.82	198	87.6	157
AC-FT	2380	0.0	0.0	0.0	0.0	0.0	4070	6460	584	12180	5390	9350
MAX	164	0.0	0.0	0.0	0.0	0.0	92	268	46	369	275	275
MIN	1.0	0.0	0.0	0.0	0.0	0.0	46	20	1.4	2.2	14	24

CAL YR 1996 TOTAL 13463.2 MEAN 36.8 MAX 307 MIN 0.00 AC-FT 26700
WTR YR 1997 TOTAL 20378.5 MEAN 55.8 MAX 369 MIN 0.00 AC-FT 40420

MAX DISCH 375 CFS AT 1030 12-JUL-1997 GH 3.09 FT. SHIFT 0.00 FT. MAX GH 3.09 FT. AT 1030 12-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

ST. VRAIN SUPPLY CANAL T.O. TO LITTLE THOMPSON RIVER NO.1

LOCATION.--Lat 40°15'20", long 105°12'34", SE¼NE¼ sec. 3, T.3 N., R.70 W., Boulder County.

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder in a 42" metal shelter at a 4' Parshall flume with electric drop tape as reference and outside staff gage.

REMARKS.--Record is complete and reliable except for the following period: Oct. 1, 1996-May 10, 1997 when station was closed for the winter; May 18-July 5, July 18-Aug. 22, Sep. 9-30, 1997 when canal was off. The record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--SVSLT1C001 USED FROM 01-OCT-1996 TO 30-SEP-1997

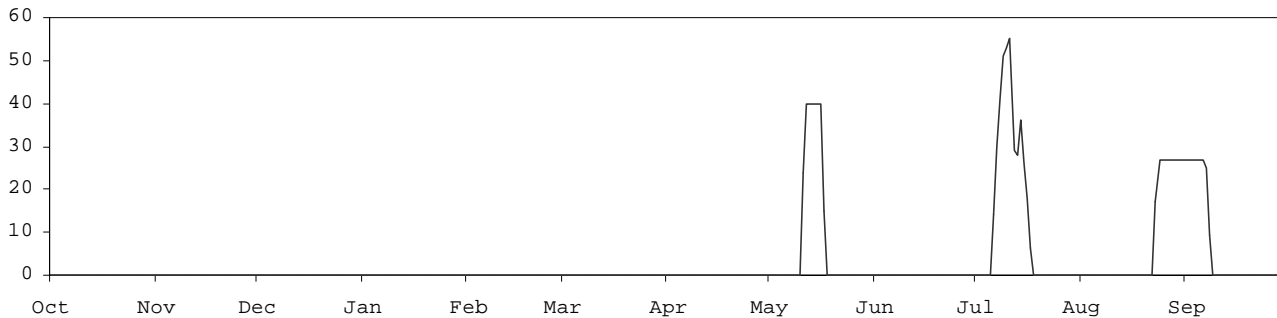
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	27
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0	25
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	0.0	9.5
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	0.0	55	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	0.0	29	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	0.0	28	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	0.0	36	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	0.0	26	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	0.0	18	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	6.4	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	27	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	27	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	27	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	239	0.0	387.4	233	196.5
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.71	0.0	12.5	7.52	6.55
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	474	0.0	768	462	390
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	0.0	55	27	27
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 457.1 MEAN 1.25 MAX 51 MIN 0.00 AC-FT 907
WTR YR 1997 TOTAL 1055.9 MEAN 2.89 MAX 55 MIN 0.00 AC-FT 2090

MAX DISCH 59 CFS AT 0830 09-JUL-1997 GH 2.28 FT. SHIFT 0.00 FT. MAX GH 2.28 FT. AT 0830 09-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

ST. VRAIN SUPPLY CANAL T.O. TO LITTLE THOMPSON RIVER NO.2

LOCATION.--Lat 40°15'20", long 105°12'34", SE¼NE¼ sec. 3, T.3 N., R.70 W., Boulder County.

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder in a 42" metal shelter at a 4' Parshall flume with electric drop tape as reference and outside staff gage.

REMARKS.--Record is complete and reliable except for the following period: Oct. 1, 1996-May 10, 1997; May 17-June 31; Aug. 10-15, 18-22; Sep. 25-30, 1997 when canal was off. The record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--SVSLT2C003 USED FROM 01-OCT-1996 TO 30-SEP-1997

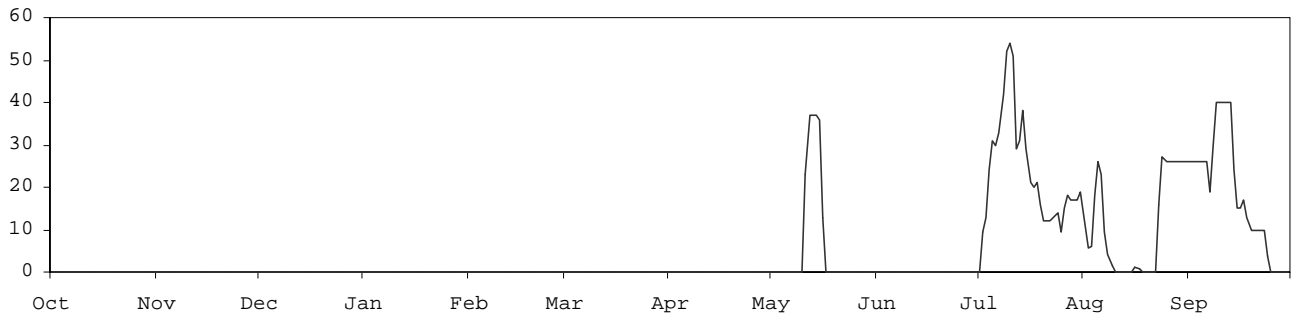
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	26
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	5.7	26
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	5.9	26
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	18	26
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	26	26
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	23	26
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	9.5	19
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	4.2	30
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	1.6	40
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	0.0	40
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	51	0.0	40
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	0.0	29	0.0	40
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	0.0	31	0.0	40
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	0.0	38	0.0	24
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	0.0	29	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	21	1.0	15
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.81	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	13
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	10
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	10
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	10
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	10
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	16	10
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	27	3.9
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	26	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	26	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	26	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	26	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	17	26	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	17	26	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	19	26	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	183	0.0	720.1	331.71	542.9
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.90	0.0	23.2	10.7	18.1
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	363	0.0	1430	658	1080
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	0.0	54	27	40
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 1831.7 MEAN 5.00 MAX 52 MIN 0.00 AC-FT 3630
WTR YR 1997 TOTAL 1777.71 MEAN 4.87 MAX 54 MIN 0.00 AC-FT 3530

MAX DISCH 58 CFS AT 0830 09-JUL-1997 GH 2.25 FT. SHIFT 0.00 FT. MAX GH 2.25 FT. AT 0830 09-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

ST. VRAIN SUPPLY CANAL TO HERTHA CREEK

LOCATION.--Lat 40°19'30", long 105°12'33", NE¼SE¼ sec. 10, T.4 N., R.70 W., Boulder County.

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder in a 36-inch galvanized shelter at 4' Parshall Flume.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 1, 1996-June 24, 1997 when station was closed for season. July 1-2, 7, 1997 when clock stopped; July 13-22 when canal was off; July 29 to Sep. 30 when canal was off for season. Record is good. Station maintained by NCWCD Personnel. Record developed by Fred Renner.

RATING TABLE.--SVSHERCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

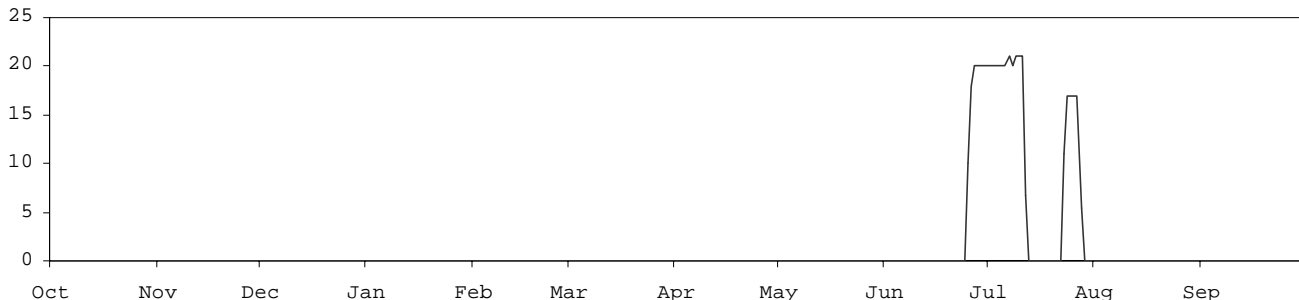
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	17	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	17	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	17	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	5.4	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	20	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	20	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108	315.2	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.60	10.2	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	214	625	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	21	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 336.4 MEAN 0.92 MAX 12 MIN 0.00 AC-FT 667
WTR YR 1997 TOTAL 423.2 MEAN 1.16 MAX 21 MIN 0.00 AC-FT 839

MAX DISCH 23 CFS AT 0745 03-JUL-1997 GH 1.25 FT. SHIFT 0.00 FT. MAX GH 1.25 FT. AT 0745 03-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

HANSEN SUPPLY CANAL TO CACHE LA POUFRE RIVER NEAR FT. COLLINS, CO

LOCATION.--Lat 40°39'32", long 105°12'34", NE¼SE¼ sec. 15, T.3 N., R.70 W., Larimer County.

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder with satellite telemetry at 20' Parshall Flume.

REMARKS.--Estimated days are DCP data from NCWCD. These values were used on days when no water was ordered to the Cache La Poudre River. This represents seepage. These days are Oct. 1-16, 21-31, 1996; Apr. 17-30; May 1-5, 9, 14, 18-19, 22-31; June 1-30; July 29-31; Aug. 7-26; Sep. 1, 19-30, 1997. The DCP value was not used on Sep. 21. Station maintained by NCWCD Personnel. Record developed by George Sievers.

RATING TABLE.--HSCCLPC002 USED FROM 01-OCT-1996 TO 30-SEP-1997

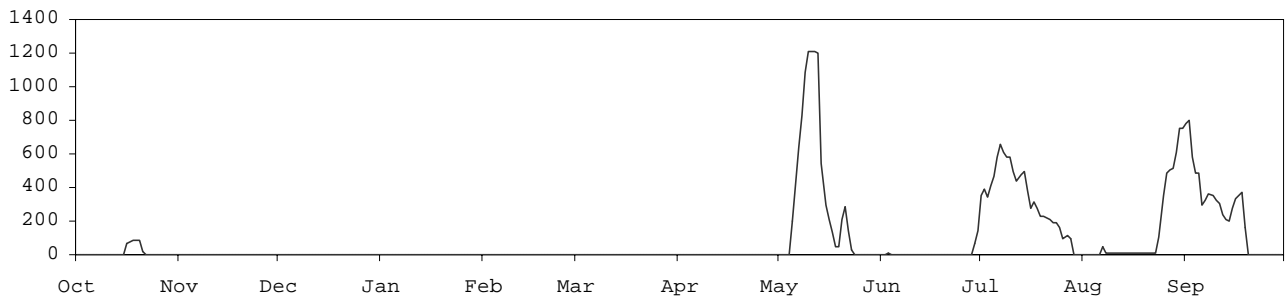
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.8	357	0.0	782
2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.7	388	0.0	804
3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.9	340	0.0	577
4	0.50	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.7	407	0.0	484
5	0.40	0.0	0.0	0.0	0.0	0.0	0.0	197	2.8	467	0.0	482
6	0.50	0.0	0.0	0.0	0.0	0.0	0.0	422	3.2	584	0.0	296
7	0.60	0.0	0.0	0.0	0.0	0.0	0.0	634	2.4	657	45	324
8	0.60	0.0	0.0	0.0	0.0	0.0	0.0	827	2.1	610	5.0	359
9	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1090	2.2	580	6.5	357
10	2.7	0.0	0.0	0.0	0.0	0.0	0.0	1210	2.6	585	6.5	326
11	4.6	0.0	0.0	0.0	0.0	0.0	0.0	1210	3.0	491	6.1	302
12	4.4	0.0	0.0	0.0	0.0	0.0	0.0	1210	3.5	442	7.0	241
13	4.5	0.0	0.0	0.0	0.0	0.0	0.0	1200	3.4	474	8.0	206
14	4.0	0.0	0.0	0.0	0.0	0.0	0.0	542	3.6	494	7.9	204
15	3.7	0.0	0.0	0.0	0.0	0.0	0.0	291	3.5	380	7.8	277
16	63	0.0	0.0	0.0	0.0	0.0	0.0	206	3.5	274	8.1	331
17	80	0.0	0.0	0.0	0.0	0.0	1.9	137	3.6	310	8.1	355
18	81	0.0	0.0	0.0	0.0	0.0	0.80	52	3.6	275	6.6	375
19	82	0.0	0.0	0.0	0.0	0.0	1.6	46	3.6	233	6.2	166
20	82	0.0	0.0	0.0	0.0	0.0	1.7	205	3.6	226	6.0	1.6
21	22	0.0	0.0	0.0	0.0	0.0	1.9	285	3.6	217	6.1	1.3
22	2.4	0.0	0.0	0.0	0.0	0.0	2.7	146	3.6	209	5.9	1.3
23	2.8	0.0	0.0	0.0	0.0	0.0	1.9	25	3.5	193	5.6	1.2
24	1.9	0.0	0.0	0.0	0.0	0.0	3.9	1.9	3.6	193	102	1.0
25	0.80	0.0	0.0	0.0	0.0	0.0	2.8	1.8	3.1	159	354	0.90
26	0.50	0.0	0.0	0.0	0.0	0.0	2.5	1.8	2.9	96	487	0.80
27	0.30	0.0	0.0	0.0	0.0	0.0	2.1	1.7	3.3	113	507	0.80
28	0.60	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.8	97	510	0.60
29	1.5	0.0	0.0	0.0	---	0.0	3.0	2.4	62	0.80	608	0.60
30	1.2	0.0	0.0	0.0	---	0.0	2.1	3.0	143	0.30	754	0.20
31	2.0	---	0.0	0.0	---	0.0	---	3.0	---	0.30	754	---
TOTAL	455.10	0.0	0.0	0.0	0.0	0.0	31.10	9961.2	295.7	9852.40	4228.4	7258.30
MEAN	14.7	0.0	0.0	0.0	0.0	0.0	1.04	321	9.86	318	136	242
AC-FT	903	0.0	0.0	0.0	0.0	0.0	62	19760	587	19540	8390	14400
MAX	82	0.0	0.0	0.0	0.0	0.0	3.9	1210	143	657	754	804
MIN	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.1	0.30	0.0	0.20

CAL YR 1996 TOTAL 41092.86 MEAN 112 MAX 1180 MIN 0.00 AC-FT 81510
WTR YR 1997 TOTAL 32082.20 MEAN 87.9 MAX 1210 MIN 0.00 AC-FT 63640

MAX DISCH 1223 CFS AT 0830 11-MAY-1997 GH 5.49 FT. SHIFT 0.00 FT. MAX GH 5.49 FT. AT 0830 11-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

HANSEN SUPPLY CANAL TO Poudre VALLEY CANAL NEAR FT. COLLINS, CO

LOCATION.--Lat 40°39'31", long 105°12'36", NE¼SE¼ sec. 15, T.8 N., R.70 W., Larimer County.

DRAINAGE AREA.--N/A

GAGE.--Graphic A-35 water-stage recorder at 12' Parshall Flume.

REMARKS.--Station maintained by NCWCD. Water was run July 10-19, 1997. Record developed by George Sievers.

RATING TABLE.--HSCPVDCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

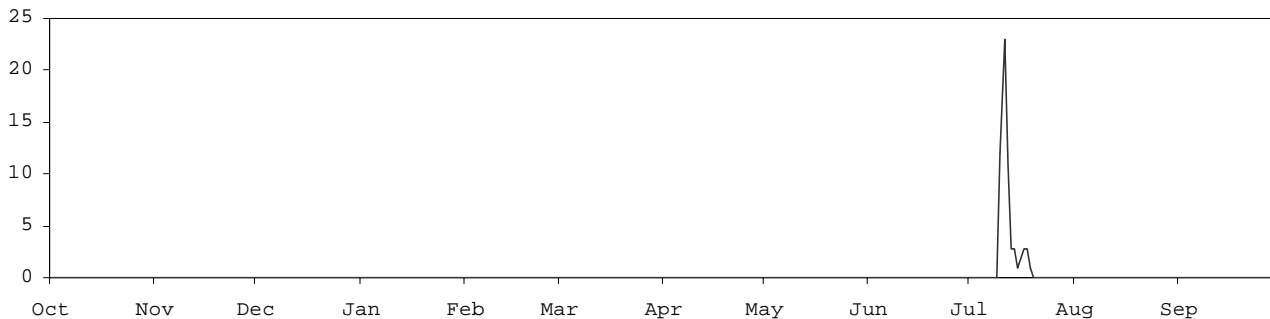
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.93	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.97	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	121	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL	839.73	MEAN	2.29	MAX	178	MIN	0.00	AC-FT	1670
WTR YR 1997 TOTAL	60.93	MEAN	0.17	MAX	23	MIN	0.00	AC-FT	121

MAX DISCH 25 CFS AT 2400 11-JUL-1997 GH 0.67 FT. SHIFT 0.00 FT. MAX GH 0.67 FT. AT 2400 11-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06744000 BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE, CO

LOCATION.--Lat 40°21'00", long 104°47'04".

DRAINAGE AREA.--828 mi².

GAGE.--Graphic A-35 water-stage recorder with satellite telemetry.

REMARKS.--Record is complete and reliable. Log on control affected stage discharge relationship Oct. 30-Nov. 4, 1996 and was treated as a datum correction. Datum corrections were made June 8-10 and June 13-16, 1997, to correct shaft encoder drift. Discharge was ice affected Dec. 18-27, 1996 and Jan. 10-20, 1997. DCP is the primary record. Record is good. Station maintained and record developed by Brent Schantz.

RATING TABLE.--BIGLASCO23 USED FROM 01-OCT-1996 TO 30-SEP-1997

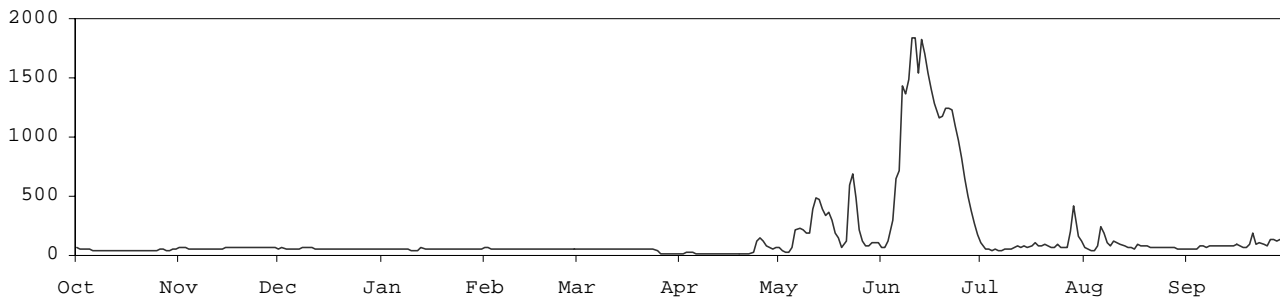
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	61	60	56	63	55	18	61	68	111	68	53
2	56	61	61	56	62	57	19	37	70	49	51	53
3	52	62	58	58	60	56	21	28	125	58	44	56
4	50	59	58	57	56	57	21	27	294	46	41	59
5	48	55	58	54	55	57	25	73	655	48	82	78
6	46	54	58	53	56	57	20	217	718	46	245	76
7	46	52	60	53	55	57	20	232	1430	44	190	74
8	43	54	63	55	54	58	19	212	1370	52	114	82
9	42	56	65	54	55	56	20	191	1480	57	77	87
10	42	58	68	46	54	56	20	186	1840	60	119	83
11	44	57	64	38	54	56	19	395	1840	61	106	82
12	43	57	60	42	54	55	18	483	1540	82	96	81
13	41	57	60	62	55	55	18	469	1820	63	85	79
14	41	59	58	59	54	57	18	393	1700	83	65	83
15	43	67	56	52	56	58	19	338	1540	74	61	79
16	42	71	57	52	57	59	18	361	1410	81	58	92
17	42	68	52	50	57	58	18	300	1290	107	95	75
18	42	68	58	52	58	56	16	186	1160	80	80	72
19	43	71	58	53	56	55	15	155	1180	81	84	68
20	43	71	60	54	56	53	16	66	1240	91	76	99
21	44	67	58	60	56	55	15	126	1250	78	71	183
22	42	67	56	59	56	55	14	590	1230	70	71	100
23	42	67	55	56	56	55	24	695	1090	68	72	103
24	42	63	53	56	56	52	118	484	968	88	72	93
25	43	64	53	56	57	35	148	221	828	67	70	87
26	50	63	53	57	58	18	118	125	646	71	70	133
27	51	63	53	54	58	18	87	85	501	71	64	136
28	44	63	56	56	58	18	66	78	372	209	62	123
29	47	62	56	56	---	18	58	104	276	415	60	130
30	53	62	56	57	---	17	65	114	177	165	57	118
31	59	---	56	58	---	18	---	104	---	118	55	---
TOTAL	1432	1859	1797	1681	1582	1487	1091	7136	30108	2794	2561	2717
MEAN	46.2	62.0	58.0	54.2	56.5	48.0	36.4	230	1004	90.1	82.6	90.6
AC-FT	2840	3690	3560	3330	3140	2950	2160	14150	59720	5540	5080	5390
MAX	66	71	68	62	63	59	148	695	1840	415	245	183
MIN	41	52	52	38	54	17	14	27	68	44	41	53

CAL YR 1996 TOTAL 23453.7 MEAN 64.1 MAX 306 MIN 5.0 AC-FT 46520
 WTR YR 1997 TOTAL 56245 MEAN 154 MAX 1840 MIN 14 AC-FT 111600

MAX DISCH 2622 CFS AT 1800 13-JUN-1997 GH 7.01 FT. SHIFT -0.46 FT. MAX GH 7.01 FT. AT 1800 13-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

MUNROE CANAL NEAR FORT COLLINS, CO

LOCATION.--Lat 40°42'31", long 105°15'16"; Munroe Canal diverts water from the Cache La Poudre River in SW¼NE¼ sec. 5, T. 8 N., R.70 W., in Larimer County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage A-35 recorder at 10' Parshall flume. A-35 recorder broke on May 24, 1996 and was replaced by F-type recorder on May 26, 1996.

REMARKS.--Record is complete and reliable. The period of June 10-13, 1997 was from water commissioner estimates because the recorder pen was not working. Also Aug. 6-9, 1997 was estimated because the clock stopped. Water was run May 9-Sep. 22, 1997. Station maintained and record developed by George Sievers and George Varra.

RATING TABLE.--MUNCANCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

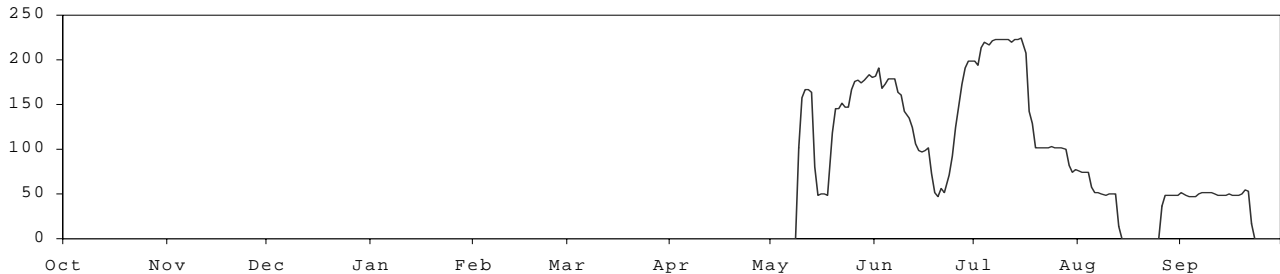
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	182	198	76	51
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	191	194	75	49
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	168	213	75	47
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172	220	75	47
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179	217	57	47
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179	221	52	50
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179	222	51	51
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164	222	50	51
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101	161	222	49	51
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	157	143	222	50	51
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	166	135	222	50	50
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	167	125	220	50	49
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	163	106	223	13	49
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81	98	223	0.0	49
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	97	224	0.0	50
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	99	207	0.0	49
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	101	143	0.0	49
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	72	129	0.0	49
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	118	51	101	0.0	50
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	47	102	0.0	54
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146	56	101	0.0	53
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	151	52	101	0.0	16
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	147	71	101	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	147	92	103	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	167	125	102	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	176	148	102	37	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178	172	101	49	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	174	191	100	49	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	178	199	82	49	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	183	199	74	49	0.0
31	0.0	---	0.0	0.0	---	0.0	---	181	---	77	49	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3124	3954	4989	1005	1062
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101	132	161	32.4	35.4
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6200	7840	9900	1990	2110
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	183	199	224	76	54
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	74	0.0	0.0

CAL YR 1996 TOTAL 13798 MEAN 37.7 MAX 236 MIN 0.00 AC-FT 27370
 WTR YR 1997 TOTAL 14134 MEAN 38.7 MAX 224 MIN 0.00 AC-FT 28030

MAX DISCH 229 CFS AT 0700 16-JUL-1997 GH 3.01 FT. SHIFT 0.00 FT. MAX GH 3.01 FT. AT 0700 16-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06752000 CACHE LA POUFRE RIVER AT MOUTH OF CANYON, NEAR FORT COLLINS, CO

LOCATION.--Lat 40°39'52", long 105°13'26", in NW¼ sec. 15, T.8 N., R.70 W., Larimer County, Hydrologic Unit 10190007, on left bank at mouth of canyon, 0.5 mi downstream from headgate of Poudre Valley Canal, 1.2 mi upstream from Lewistone Creek, and 9.3 mi northwest of courthouse in Fort Collins.

DRAINAGE AREA AND PERIOD OF RECORD.--1,056 mi². Sporadic and somewhat unreliable data from June 1881 to Aug. 1883. Reliable data from Oct. 1883 to current year. Periodic water-quality data from 1962 to 1995.

GAGE.--F-type water-stage recorder and satellite monitoring in timber shelter and well with supplemental outside chain gage.

REMARKS.--Record is complete and reliable, except for Dec. 1-2, 1996 which were ice affected. The station was closed Dec. 3, 1996-Feb. 19, 1997. The DCP is the primary source of record. Chart values were used Oct. 27, 1996 and Apr. 6, 1997. Record is good, except for periods of no gage-height record and ice effect, which is fair. Station maintained and record developed by George Sievers.

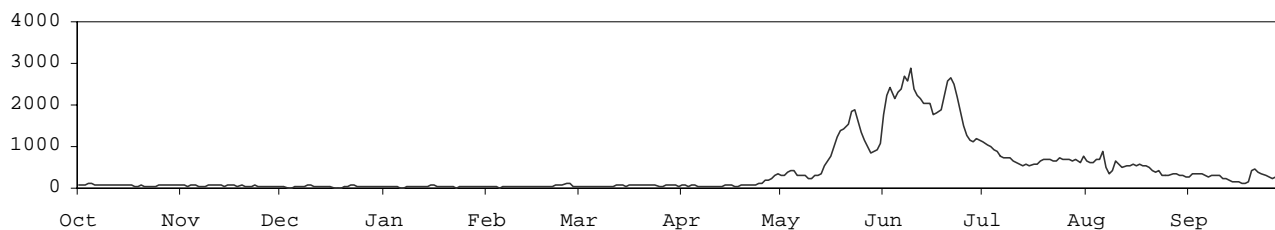
RATING TABLE.--CLAFTCCO10 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	59	29	48	28	51	59	299	1760	1110	657	286
2	88	64	27	48	31	47	60	292	2240	1020	617	337
3	80	57	16	47	28	48	51	370	2440	998	618	338
4	110	60	16	40	20	47	58	429	2150	934	704	353
5	134	58	20	29	17	53	58	428	2320	866	688	343
6	96	55	33	18	20	45	41	320	2370	768	891	316
7	77	26	56	19	27	53	44	311	2680	740	513	286
8	71	24	54	38	23	47	53	322	2580	740	365	304
9	66	71	62	55	27	51	49	241	2900	730	441	309
10	86	69	58	49	25	54	48	241	2380	649	654	300
11	82	59	56	45	32	57	40	312	2250	626	566	244
12	78	58	48	40	34	61	45	313	2150	591	513	218
13	76	60	45	41	36	65	45	340	2020	553	529	176
14	75	55	42	49	32	60	66	556	2030	591	541	166
15	73	58	26	60	28	53	66	644	2050	533	572	166
16	71	61	23	62	35	59	60	768	1770	578	551	155
17	64	59	17	40	32	63	57	1010	1800	591	567	123
18	43	52	8.4	31	37	60	55	1240	1880	651	556	104
19	45	80	10	33	35	62	61	1400	2250	693	549	166
20	64	55	20	32	52	62	70	1440	2560	705	505	422
21	57	46	37	30	57	62	82	1520	2650	693	419	458
22	36	46	63	26	86	60	91	1850	2490	665	390	375
23	47	60	58	19	90	62	87	1900	2210	660	405	354
24	56	56	52	29	84	58	114	1600	1850	738	320	301
25	62	41	50	27	115	48	123	1360	1500	705	296	261
26	79	53	53	25	109	52	179	1170	1280	691	312	248
27	77	42	43	23	56	63	193	992	1150	685	341	259
28	74	34	46	25	46	62	230	863	1120	669	352	260
29	78	33	44	21	---	62	302	903	1190	700	310	246
30	76	40	47	24	---	60	334	942	1150	602	291	240
31	66	---	51	28	---	57	---	1090	---	773	281	---
TOTAL	2280	1591	1210.4	1101	1242	1744	2821	25466	61170	22248	15314	8114
MEAN	73.5	53.0	39.0	35.5	44.4	56.3	94.0	821	2039	718	494	270
AC-FT	4520	3160	2400	2180	2460	3460	5600	50510	121300	44130	30380	16090
MAX	134	80	63	62	115	65	334	1900	2900	1110	891	458
MIN	36	24	8.4	18	17	45	40	241	1120	533	281	104
CAL YR 1996 TOTAL	135157.4		MEAN	369	MAX	2360	MIN	8.4	AC-FT	268100		
WTR YR 1997 TOTAL	144301.4		MEAN	395	MAX	2900	MIN	8.4	AC-FT	286200		

MAX DISCH 3308 CFS AT 0945 09-JUN-1997 GH 6.03 FT. SHIFT 0.00 FT. MAX GH 6.03 FT. AT 0945 09-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06752500 CACHE LA POUFRE RIVER NEAR GREELEY, CO

LOCATION.--Lat 40°25'04", long 104°39'22", in NW¼ sec. 11, T.5 N., R.65 W., Weld County, Hydrologic Unit 10190007, on right bank 25 ft downstream from highway bridge, 2.9 mi east of courthouse in Greeley, and 3.0 mi upstream from mouth.

DRAINAGE AREA.--1,877 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,610 ft above National Geodetic Vertical Datum of 1929, from topographic map. See WSP 1710 or 1730 for history of changes prior to Dec. 14, 1933.

REMARKS.--Primary record is taken from hourly satellite gage readings, and is complete. Reliability of record is questionable from Oct. 1-Nov. 29, 1996 due to inlet plugged. New multiple inlets were installed Apr. 30, 1997, increasing reliability of the record. The record is fair, except for the periods Oct. 1-Nov. 29, 1996; Jul. 1-Sep. 9, 1997, which are poor due to inlet problems. Station maintained by Jim Clark and record developed by Jim Clark and Robert Cooper.

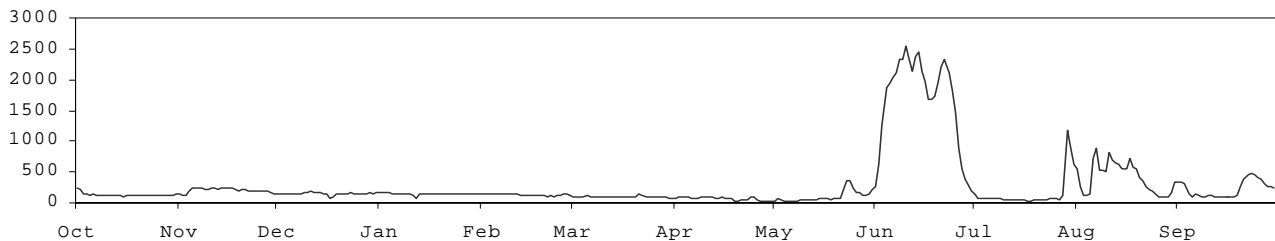
RATING TABLE.--CLAGRECO25 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	251	135	153	167	147	104	83	33	266	146	560	335
2	216	128	156	167	143	99	89	66	621	72	269	328
3	146	127	151	168	141	101	88	38	1280	78	124	312
4	133	182	156	170	136	108	89	34	1870	75	130	141
5	125	231	151	150	140	109	93	32	1950	69	152	92
6	140	233	152	152	143	99	82	32	2040	69	711	139
7	130	236	145	140	141	99	81	24	2120	76	889	114
8	122	232	152	147	141	97	84	31	2320	77	524	91
9	116	226	159	143	138	95	89	44	2320	71	523	106
10	119	228	175	149	137	101	89	44	2550	51	516	115
11	116	249	181	114	143	104	87	57	2340	50	815	118
12	113	244	175	69	143	104	86	56	2140	53	706	108
13	109	225	170	138	127	106	84	47	2370	39	657	102
14	110	235	158	140	125	107	81	51	2450	42	614	102
15	106	245	139	146	123	106	86	70	2130	38	545	100
16	114	252	142	156	121	102	76	77	1970	41	543	100
17	118	246	79	153	119	101	64	62	1670	34	712	103
18	124	211	106	152	121	107	64	53	1670	33	579	106
19	117	199	137	144	123	105	36	63	1740	46	554	109
20	115	222	151	143	114	102	26	66	1950	57	417	258
21	115	212	152	154	101	145	58	79	2220	48	355	396
22	121	202	149	152	109	128	40	220	2330	42	272	453
23	121	199	157	144	108	99	38	353	2120	43	225	480
24	115	198	154	141	129	97	87	364	1830	62	188	462
25	114	203	152	136	129	98	97	245	1460	67	152	417
26	131	194	147	135	137	99	41	159	897	61	106	381
27	122	188	154	136	147	96	28	160	561	56	97	302
28	124	190	156	136	119	87	24	126	376	123	100	272
29	123	175	160	138	---	86	24	127	295	1180	91	260
30	132	155	155	139	---	82	26	134	198	877	161	245
31	137	---	161	144	---	82	---	226	---	633	332	---
TOTAL	3995	6202	4685	4463	3645	3155	2020	3173	50054	4409	12619	6647
MEAN	129	207	151	144	130	102	67.3	102	1668	142	407	222
AC-FT	7920	12300	9290	8850	7230	6260	4010	6290	99280	8750	25030	13180
MAX	251	252	181	170	147	145	97	364	2550	1180	889	480
MIN	106	127	79	69	101	82	24	24	198	33	91	91
CAL YR 1996 TOTAL		77253.3	MEAN	211	MAX	1740	MIN	8.0	AC-FT	153200		
WTR YR 1997 TOTAL		105067	MEAN	288	MAX	2550	MIN	24	AC-FT	208400		

MAX DISCH 0.00 CFS AT 2315 01-OCT-1996 GH 2.98 FT. SHIFT 0.08 FT. MAX GH 8.48 FT. AT 2345 13-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06754000 SOUTH PLATTE RIVER NEAR KERSEY, CO

LOCATION.--Lat 40°24'44", long 104°33'46", in NW¼SW¼ sec. 9, T.5 N., R.64 W., Weld County, Hydrologic Unit 10190003, on downstream side of bridge on State Highway 37, 1.9 mi north of railroad in Kersey, and 2.5 mi downstream from Cache la Poudre River.

DRAINAGE AREA AND PERIOD OF RECORD.--9,598 mi². May 1901 to Dec. 1903, Mar. 1905 to current year. Monthly totals only for some periods. Periodic water-quality data available from 1950.

GAGE.--Water-stage recorder with satellite telemetry and shaft encoder activated by a manometer in a concrete shelter with an outside wire weight for reference.

REMARKS.--The DCP is the primary record. Chart values were used Oct. 27, 1996; Jan. 7, 16-23; Feb. 27-28; Mar. 3-10; Apr. 16; May 9-13; Jun. 23-30; Jul. 1, 1997. Record is complete and reliable, except for Oct. 17-25; Nov. 6, 17, 1997; Jan. 14-15; Feb. 116-17, 23-24; Mar. 2-3; Apr. 5-7, 25-26; May 28-30; Jun. 1-2, 1997 when the manometer line was buried, plugged, or leaking. Frequent visits helped support the record. On going Highway Dept. construction at the bridge is a problem. Record is rated fair because of orifice problems. Station maintained and record developed by George Sievers.

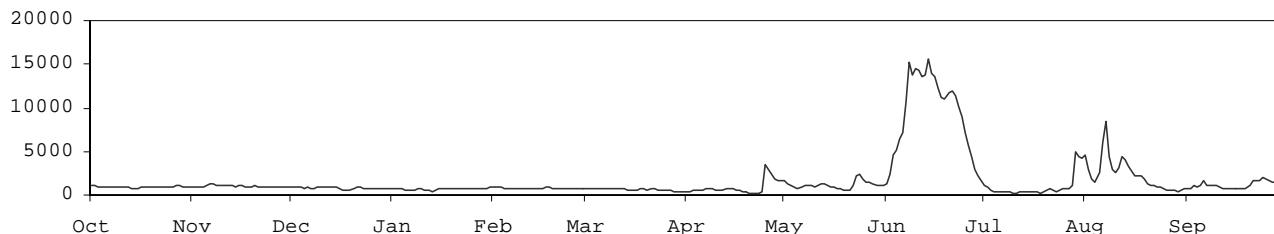
RATING TABLE.--PLAKERCO21 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1190	972	829	683	994	784	392	1620	1230	1180	4610	795
2	1070	897	848	676	872	780	404	1360	2350	831	2960	806
3	927	895	854	672	839	770	469	1110	4540	573	1900	1010
4	895	965	841	667	751	758	553	887	5190	393	1400	891
5	872	1100	825	628	743	750	600	742	6340	324	2490	1030
6	878	1220	827	615	714	742	610	915	7240	305	6090	1640
7	858	1200	814	572	701	734	700	1030	10700	345	8360	1190
8	852	1190	823	610	693	710	774	1040	15200	328	4450	1070
9	845	1190	846	675	701	688	665	1030	13700	279	2980	1080
10	847	1170	896	686	689	665	558	943	14500	244	2660	1010
11	866	1080	935	628	694	658	461	1030	14300	261	3170	887
12	858	1050	915	504	692	658	549	1250	13500	317	4470	807
13	814	1030	922	452	729	652	648	1260	13700	349	4040	744
14	810	1000	900	480	703	640	795	1030	15600	354	3270	742
15	803	1030	860	770	796	635	750	886	14000	343	2760	732
16	830	1040	805	817	810	635	621	893	13600	308	2180	694
17	840	990	593	767	830	642	522	796	12300	291	2270	698
18	850	951	566	774	836	674	433	647	11200	255	2120	763
19	860	993	568	790	732	654	344	620	11100	278	1760	769
20	850	1020	712	781	691	641	254	608	11700	482	1320	1060
21	840	969	899	808	686	684	222	532	11900	758	1160	1650
22	850	923	867	750	678	643	189	1010	11400	518	1020	1600
23	870	905	811	742	740	577	183	2130	10100	412	901	1690
24	850	891	705	742	800	574	368	2440	9020	500	878	2030
25	850	901	772	726	781	529	3480	1750	7210	686	755	1850
26	915	894	695	709	770	510	2900	1490	5710	778	612	1600
27	1120	872	733	710	790	494	2360	1420	4410	788	541	1490
28	1010	867	716	691	799	445	1750	1220	3010	1040	492	1420
29	952	861	684	753	---	429	1560	1100	2270	4890	429	1390
30	963	850	668	774	---	410	1600	1130	1730	4360	485	1310
31	962	---	678	864	---	401	---	1150	---	4310	772	---
TOTAL	27797	29916	24407	21516	21254	19566	25714	35069	278750	27080	73305	34448
MEAN	897	997	787	694	759	631	857	1131	9292	874	2365	1148
AC-FT	55140	59340	48410	42680	42160	38810	51000	69560	552900	53710	145400	68330
MAX	1190	1220	935	864	994	784	3480	2440	15600	4890	8360	2030
MIN	803	850	566	452	678	401	183	532	1230	244	429	694
CAL YR 1996 TOTAL		366102	MEAN	1000	MAX	8350	MIN	143	AC-FT	726200		
WTR YR 1997 TOTAL		618822	MEAN	1695	MAX	15600	MIN	183	AC-FT	1227000		

MAX DISCH 17454 CFS AT 0330 14-JUN-1997 GH 10.40 FT. SHIFT -0.07 FT. MAX GH 10.40 FT. AT 0330 14-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06758500 SOUTH PLATTE RIVER NEAR WELDONA, CO

LOCATION.--Lat 40°19'16", long 103°55'10", in SW¼SW¼ sec. 7, T.4 N., R.58 W., Morgan County, Hydrologic Unit 10190003, on left bank 875 ft downstream from bridge on State Highway 144, 2.8 mi southeast of Weldona, and 4.2 mi upstream from Bijou Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--13,245 mi². October 1952 to current year.

GAGE.--Graphic water-stage recorder with satellite monitoring in metal pipe shelter and well. A new station was installed and operation began on May 2, 1991.

REMARKS.--The DCP is the primary source of record. The chart was used Oct. 27, 1996; Feb. 24; Mar. 26; Apr. 4, 6, 16; May 14, 1997. Record is complete and reliable. The completion of the new bridge on highway 144 just upstream from the gage permits high water measurements to be made at this site again. Discharges for the winter period were good as the river stayed open this year. Station maintained and record developed by George Sievers.

RATING TABLE.--PLAWELCO16 USED FROM 01-OCT-1996 TO 30-SEP-1997

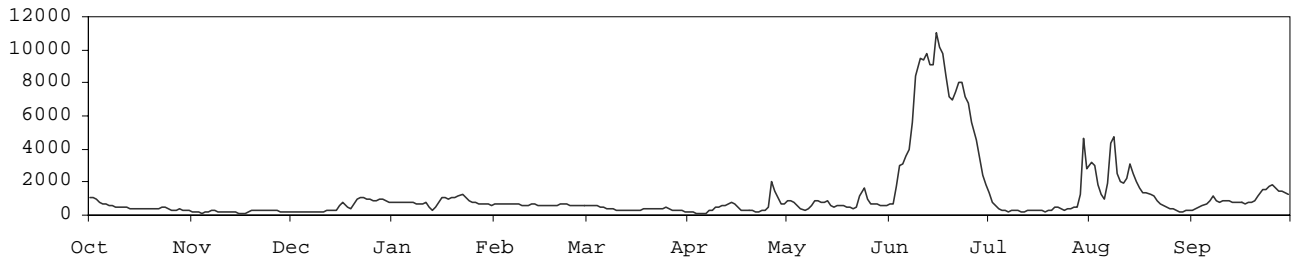
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1040	223	200	803	630	570	200	877	651	1340	3190	327
2	1020	167	190	811	708	566	147	883	714	814	2980	367
3	925	150	192	813	709	559	123	762	1740	593	1880	441
4	768	145	187	813	672	590	76	602	2970	408	1240	629
5	698	146	189	797	668	463	81	435	3070	282	948	658
6	639	225	181	772	672	456	85	319	3540	265	1930	917
7	627	261	180	751	669	426	324	340	3990	233	4350	1130
8	563	247	183	721	643	375	314	611	5660	309	4710	827
9	506	231	187	704	624	347	457	890	8380	303	2520	805
10	481	216	204	720	624	323	522	903	9440	262	2010	852
11	472	217	220	738	622	295	553	759	9430	240	1930	849
12	444	190	247	509	636	281	625	797	9820	207	2180	883
13	424	167	248	324	633	276	709	824	9130	272	3070	811
14	402	148	246	497	588	272	754	590	9070	302	2510	764
15	390	141	298	800	577	271	691	519	11000	298	2080	760
16	377	142	618	1070	579	272	490	577	10200	291	1640	733
17	370	142	727	1050	592	275	335	615	9760	264	1370	702
18	370	215	444	989	614	388	271	566	8460	240	1390	729
19	382	314	401	1070	609	420	313	480	7130	272	1280	808
20	385	297	698	1100	626	422	264	455	6970	334	1130	880
21	389	308	955	1200	703	398	165	430	7410	498	834	1160
22	419	298	1050	1220	682	405	190	472	8000	469	691	1550
23	485	273	1030	1070	658	419	250	1120	7990	342	592	1520
24	461	258	1000	914	610	435	255	1670	7200	328	463	1710
25	379	256	983	808	607	439	470	948	6750	357	415	1860
26	269	257	885	746	623	390	2040	673	5660	410	339	1680
27	308	250	875	702	576	306	1420	634	4540	463	261	1500
28	374	238	939	711	583	299	1070	647	3480	520	182	1410
29	325	234	920	701	---	264	648	604	2450	1270	231	1330
30	278	221	834	677	---	253	645	581	1820	4600	248	1300
31	269	---	793	621	---	232	---	561	---	2830	276	---
TOTAL	15239	6577	16304	25222	17737	11687	14487	21144	186425	19616	48870	29892
MEAN	492	219	526	814	633	377	483	682	6214	633	1576	996
AC-FT	30230	13050	32340	50030	35180	23180	28730	41940	369800	38910	96930	59290
MAX	1040	314	1050	1220	709	590	2040	1670	11000	4600	4710	1860
MIN	269	141	180	324	576	232	76	319	651	207	182	327

CAL YR 1996 TOTAL 240604 MEAN 657 MAX 3840 MIN 104 AC-FT 477200
WTR YR 1997 TOTAL 413200 MEAN 1132 MAX 11000 MIN 76 AC-FT 819600

MAX DISCH 12239 CFS AT 1200 15-JUN-1997 GH 8.42 FT. SHIFT 0.65 FT. MAX GH 8.42 FT. AT 1200 15-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06759910 SOUTH PLATTE RIVER AT BALZAC, CO

LOCATION.--Lat 40°21'23", long 103°31'39", in SW¼NE¼ sec. 33, T.5 N., R.55 W., Morgan County, Hydrologic Unit 10190012, on bank 4.3 mi northeast of Snyder, and .7 mi downstream from North Sterling Canal.

DRAINAGE AREA.--16,852 mi².

GAGE.--Graphic water-stage A-35 recorder with satellite telemetry in a concrete shelter and well.

REMARKS.--The DCP is the primary source of record. The chart was used Oct. 27; Nov. 23, 25-26, 1996; Jan. 17-20; Mar. 19-21; Apr. 6, 1997. The gage was affected by ice Dec. 17, 1996-Jan. 3, 1997. Station maintained and record developed by George Sievers.

RATING TABLE.--PLABALCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

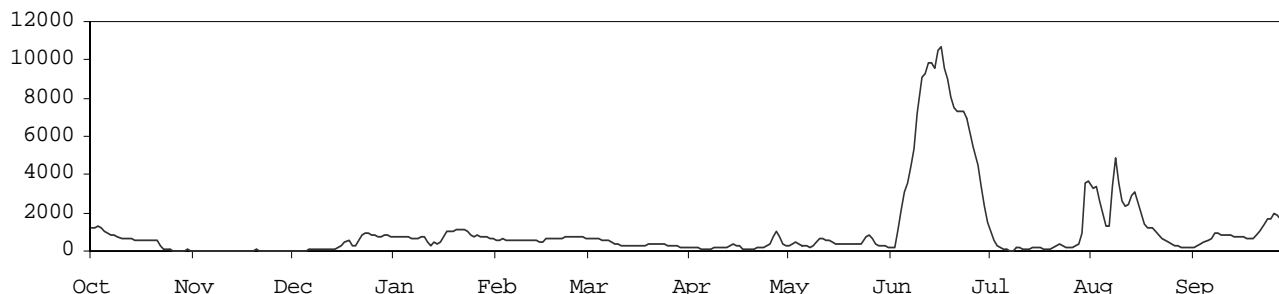
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1250	26	18	730	554	670	155	318	192	1010	3290	200
2	1250	23	17	760	597	660	158	402	208	536	3390	260
3	1270	22	15	770	631	620	148	456	1150	257	2630	360
4	1200	20	16	755	609	610	132	380	2190	189	1930	488
5	1050	22	18	737	595	580	116	277	3050	138	1340	576
6	945	26	53	682	578	560	109	290	3580	88	1280	610
7	890	34	92	646	577	540	115	232	4390	25	3400	951
8	818	22	102	700	551	460	171	311	5330	29	4870	924
9	720	21	112	712	550	390	195	510	7250	190	3580	807
10	700	20	121	729	529	330	167	635	9120	170	2620	838
11	681	20	132	441	520	312	169	660	9300	135	2320	843
12	646	20	130	308	522	291	233	571	9830	126	2420	839
13	635	18	90	431	516	255	296	602	9820	122	2930	778
14	605	17	70	416	474	251	350	513	9530	165	3100	746
15	568	19	180	482	486	244	289	381	10500	186	2520	729
16	569	23	310	726	647	246	241	370	10700	162	1970	712
17	580	21	480	1010	695	248	120	394	9570	140	1440	696
18	570	18	540	1010	620	270	73	380	9030	130	1250	639
19	551	30	240	1060	640	377	81	378	8030	123	1180	700
20	553	50	240	1150	680	414	125	360	7470	151	1050	823
21	541	36	570	1080	690	383	172	350	7280	280	885	996
22	280	28	850	1090	720	338	185	330	7310	380	673	1450
23	57	23	960	1040	750	331	212	410	7280	300	530	1650
24	63	22	930	885	780	337	300	759	6950	220	439	1720
25	55	21	890	796	760	324	348	840	6210	203	372	1980
26	35	19	850	810	740	280	706	620	5440	213	300	1920
27	38	18	780	761	720	275	1060	330	4490	244	250	1660
28	33	18	770	727	700	248	740	282	3410	353	230	1550
29	45	18	880	710	---	220	390	237	2360	982	201	1530
30	55	18	870	669	---	192	250	263	1480	3550	182	1400
31	36	---	780	614	---	178	---	194	---	3620	181	---
TOTAL	17289	693	12106	23437	17431	11434	7806	13035	182450	14417	52753	29375
MEAN	558	23.1	391	756	623	369	260	420	6082	465	1702	979
AC-FT	34290	1370	24010	46490	34570	22680	15480	25850	361900	28600	104600	58270
MAX	1270	50	960	1150	780	670	1060	840	10700	3620	4870	1980
MIN	33	17	15	308	474	178	73	194	192	25	181	200

CAL YR 1996 TOTAL 194725 MEAN 532 MAX 2910 MIN 15 AC-FT 386200
WTR YR 1997 TOTAL 382226 MEAN 1047 MAX 10700 MIN 15 AC-FT 758100

MAX DISCH 11424 CFS AT 0045 16-JUN-1997 GH 8.25 FT. SHIFT 0.59 FT. MAX GH 8.25 FT. AT 0045 16-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



PLATTE RIVER BASIN

06763990 SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 2

LOCATION.--Lat 40°58'37", long 102°14'52", in NE¼SE¼ sec. 33, T.12 N., R.44 W., Sedgwick County, on right bank of channel No 2 (right channel) 5 ft downstream from bridge on U.S. Highway 385, 0.9 mi southeast of Julesburg, 3.0 mi upstream from Colorado-Nebraska State line, and 8 mi downstream from Lodgepole Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--23,193 mi². April 1902 to current year. Monthly data only for some periods. Published as near Julesburg and at Ovid in earlier years. Water quality data available from 1945 to 1995.

GAGE.--Water-stage graphic recorder (manometer) with satellite telemetry. Datum of gage is 3,448.51 ft. above National Geodetic Vertical Datum of 1929. A wire weight gage is used on the bridge. A new gage utilizing a manometer was installed in 1988, located on U. S. Highway 385 bridge.

REMARKS.--Record is complete and reliable except for the following periods: Jan. 23-27, 29, 1997 when manometer orifice ice affected; Jan. 30-Feb. 11, 1997 when manometer line torn off by ice; Feb. 12-21 when orifice line plugged; Nov. 28-30, 1996; Mar 1-3, 15, 17, 23-24, 26; Apr. 9-10, 17-18; June. 6-7, 15-26; Aug. 20-22, 29; Sep. 9-10, 22-23, 1997 when gage-heights not representative of average for day due to manometer erratic response. Stage-discharge relationship ice affected on Dec. 17-31, 1996-Jan. 1-22, 28, 1997. Chart gage-heights use for following periods: Oct. 1-3, 17-18, 24-31; Dec. 1, 1996; Jan. 6, 10-12, 17, 21; Feb. 28; Mar. 1-3, 15-17; Apr. 19-22, 30; May 1-5, 9-12, 28; Jun. 1-2, 5-7; Jul. 9-15; Aug. 18-19, 24-27, 1997. Record is fair, except for ice affected and no gage-height periods which are poor. Record part of combined flow. Peak flows estimated. Station maintained and records developed by Fred Renner.

RATING TABLE.--PLAJURCO17 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	834	42	125	850	700	679	225	65	75	1260	2600	50
2	781	39	127	850	650	703	205	65	60	988	1800	38
3	749	41	127	825	650	592	197	56	110	775	1490	24
4	755	45	118	800	675	541	201	46	432	589	1320	15
5	769	43	121	750	700	515	196	33	684	415	1140	16
6	739	42	120	725	650	495	172	20	1200	327	1170	17
7	652	36	128	700	625	502	155	20	1470	281	1030	19
8	590	31	132	650	600	469	151	18	1780	206	997	22
9	541	30	141	600	600	449	140	13	2150	110	1540	44
10	523	29	151	550	575	432	109	13	2810	68	1680	115
11	481	25	155	500	575	399	130	12	3590	41	1310	118
12	451	23	159	400	575	379	163	13	4250	73	1130	122
13	420	22	163	400	575	370	199	14	4520	51	999	138
14	402	17	156	400	600	340	225	14	4420	21	1010	147
15	427	16	142	425	600	307	265	14	4670	13	1220	154
16	420	15	136	450	600	303	279	13	4380	15	1140	157
17	324	12	350	500	625	283	259	9.7	4290	13	987	147
18	283	13	350	600	625	270	286	9.0	4600	12	946	150
19	221	35	375	750	650	175	232	8.5	4680	11	883	137
20	191	90	400	900	650	133	160	7.3	4590	9.3	778	143
21	180	106	450	1000	450	161	105	6.3	4360	8.1	684	169
22	190	101	475	1050	513	172	76	6.1	3850	6.7	454	216
23	202	109	500	1050	556	166	71	8.1	3520	4.2	363	283
24	194	109	525	1050	575	134	68	8.5	3630	3.2	344	335
25	142	120	575	1020	596	95	54	18	3570	3.1	275	383
26	110	116	600	950	618	142	50	282	3460	3.5	227	434
27	97	117	675	950	631	223	53	423	3120	3.4	194	493
28	81	140	725	900	648	249	49	274	2470	3.2	166	534
29	77	150	775	850	---	255	47	166	1970	4.3	106	508
30	56	148	775	800	---	250	65	137	1550	9.2	76	474
31	47	---	800	750	---	246	---	152	---	799	58	---
TOTAL	11929	1862	10551	22995	17087	10429	4587	1944.5	86261	6126.2	28117	5602
MEAN	385	62.1	340	742	610	336	153	62.7	2875	198	907	187
AC-FT	23660	3690	20930	45610	33890	20690	9100	3860	171100	12150	55770	11110
MAX	834	150	800	1050	700	703	286	423	4680	1260	2600	534
MIN	47	12	118	400	450	95	47	6.1	60	3.1	58	15
CAL YR 1996 TOTAL	170859.89	MEAN	467	MAX	2530	MIN	0.67	AC-FT	338900			
WTR YR 1997 TOTAL	207490.7	MEAN	568	MAX	4680	MIN	3.1	AC-FT	411600			

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
graph on combined page

PLATTE RIVER BASIN

06763990 SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 1

LOCATION.--Lat 40°58'37", long 102°14'52", in NE¼SE¼ sec. 33, T.12 N., R.44 W.

DRAINAGE AREA.--23,193 mi².

GAGE.--Graphic water stage recorder (manometer) with satellite telemetry. Wire weight gage on bridge and supplemental staff gage on bridge pier. DCP data is the primary record with chart as backup.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 1-24, when encoder went down and no other recording device was available; Jan. 21-31, 1997 when channel iced over; Feb. 16-25, 28; Mar. 6-9; Apr. 28, 1997 when gage-heights not representative of average for day due to manometer erratic response. Stage-discharge ice affected Dec. 17, 1996-Jan. 20, 1997. Chart gage-heights used for periods: Nov. 14-15, 28-30; Dec. 1-9, 25, 1996; Feb. 16-21; Mar. 6-17; May 4; Jun. 13, 16; Jul. 12-14; Aug. 11-14, 17-27, 1997. Record is fair, except for no gage-height and ice affected record, which is poor. Record part of combined flow. Station maintained and records developed by Fred Renner.

RATING TABLE.--ONEJURCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	490	158	209	0.0	0.0	269	191	113	155	970	1490	127
2	500	154	213	0.0	0.0	271	196	110	148	785	1160	109
3	500	150	206	0.0	0.0	303	186	110	182	663	1000	96
4	500	147	205	0.0	0.0	314	178	97	329	557	934	89
5	490	143	211	0.0	0.0	330	182	89	418	463	831	84
6	510	141	225	0.0	0.0	346	162	65	613	392	844	102
7	490	140	220	0.0	0.0	328	156	62	753	350	752	122
8	500	139	213	0.0	0.0	273	169	57	914	284	711	127
9	480	141	221	0.0	0.0	268	175	52	1030	192	1050	162
10	460	144	236	0.0	0.0	259	179	53	1280	147	1260	269
11	460	142	242	0.0	0.0	235	178	52	1590	129	1070	290
12	450	140	238	0.0	0.0	213	181	55	1870	139	970	292
13	440	140	238	0.0	0.0	207	200	63	2000	120	902	296
14	400	139	250	0.0	0.0	213	228	60	1980	90	870	323
15	440	139	234	0.0	0.0	205	255	60	2090	77	919	345
16	440	142	227	0.0	0.0	209	267	55	2020	69	905	356
17	350	134	0.0	0.0	0.0	211	235	43	2030	66	798	343
18	310	140	0.0	0.0	0.0	215	202	41	2140	61	712	331
19	270	174	0.0	0.0	0.0	167	171	40	2210	59	618	311
20	250	229	0.0	0.0	0.0	138	146	38	2190	57	555	312
21	250	231	0.0	0.0	275	137	140	36	2090	56	519	325
22	250	234	0.0	0.0	302	158	121	34	1960	51	477	358
23	260	231	0.0	0.0	313	158	116	37	1950	47	441	411
24	260	221	0.0	0.0	325	162	92	40	2010	45	435	489
25	236	230	0.0	0.0	298	173	86	67	2000	45	380	536
26	210	231	0.0	0.0	278	203	84	222	2040	49	346	541
27	197	230	0.0	0.0	277	249	94	297	1990	51	326	579
28	191	223	0.0	0.0	277	266	106	248	1710	50	326	623
29	193	220	0.0	0.0	---	238	112	183	1440	55	264	610
30	175	211	0.0	0.0	---	214	122	154	1200	61	177	562
31	163	---	0.0	0.0	---	199	---	178	---	461	142	---
TOTAL	11115	5238	3588	0.0	2345	7131	4910	2811	44332	6641	22184	9520
MEAN	359	175	116	0.0	83.8	230	164	90.7	1478	214	716	317
AC-FT	22050	10390	7120	0.0	4650	14140	9740	5580	87930	13170	44000	18880
MAX	510	234	250	0.0	325	346	267	297	2210	970	1490	623
MIN	163	134	0.0	0.0	0.0	137	84	34	148	45	142	84

CAL YR 1996 TOTAL	24343	MEAN	66.5	MAX	510	MIN	0.00	AC-FT	48280
WTR YR 1997 TOTAL	119815	MEAN	328	MAX	2210	MIN	0.00	AC-FT	237700

MAX DISCH 2204 CFS AT 2030 18-JUN-1997 GH 8.64 FT. SHIFT 0.18 FT. MAX GH 8.64 FT. AT 2030 18-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

[graph on combined page](#)

PLATTE RIVER BASIN

06763980 SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 4 (INCLUDES FLOW FROM CHANNEL NO 3)

LOCATION.--Lat 40°58'46", long 102°15'15", in NW¼NE¼ sec. 33, T.12 N., R.44 W., Sedgwick County, Hydrologic Unit 10190018, on left bank of channel No 4 (left channel) 215 ft downstream from bridge on U.S. Highway 385, 0.9 mi southeast of Julesburg, 3.0 mi upstream from Colorado-Nebraska State line, and 8 mi downstream from Lodgepole Creek.

DRAINAGE AREA.--23,193 mi².

GAGE.--Water-stage graphic recorder with satellite telemetry. Supplemental outside chain gage. DCP is primary record with chart as backup.

REMARKS.--Gage-height record is complete and reliable except for the following period: Jan. 27, 1997 when clock stopped and 3 hours of shaft encoder data was missing. Graphic chart record was used for the following periods: Jun. 3-4; Jul. 1, 8-14, 31; Aug. 1, 1997. Record is good, except for period of no gage-height record, and period of stage fluctuation, which is fair. The record is part of combined flow with channel No.1 and 2. Station maintained and records developed by Fred Renner.

RATING TABLE.--PLAJULCO21 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	0.65	2.1	88	121	89	17	2.0	3.9	474	881	7.9
2	109	0.68	2.4	93	127	89	17	2.1	3.4	374	624	8.1
3	105	0.77	2.1	86	102	88	14	1.8	18	278	535	12
4	109	0.92	2.0	71	70	82	14	1.8	57	188	469	17
5	108	1.1	2.1	53	63	78	14	1.7	101	119	389	15
6	98	1.1	2.1	52	68	76	9.5	1.7	256	87	371	8.0
7	82	0.88	2.2	40	59	73	9.7	1.7	379	75	317	7.5
8	69	0.82	2.5	51	51	67	10	1.7	471	58	296	7.5
9	64	0.82	2.6	49	47	64	8.1	1.7	598	38	433	8.6
10	59	0.82	2.4	30	56	60	5.0	1.9	814	30	489	26
11	50	0.82	2.5	12	58	54	4.9	1.7	1220	29	392	30
12	46	0.82	3.1	6.9	51	49	8.5	1.9	1740	27	325	34
13	43	0.84	3.5	4.0	49	41	13	2.0	2130	20	279	40
14	40	0.93	3.4	4.2	48	34	21	1.9	2180	21	271	43
15	40	0.96	2.1	4.4	54	27	29	1.9	2440	22	311	45
16	35	1.0	2.1	5.4	48	25	32	2.0	2180	26	281	47
17	18	1.0	3.5	9.6	46	23	25	2.9	2080	26	233	42
18	10	1.0	3.0	21	53	21	29	2.7	2380	27	199	39
19	7.5	1.2	3.3	42	53	12	21	2.7	2610	31	172	38
20	4.5	1.3	4.7	63	52	6.0	9.5	3.2	2330	31	151	41
21	3.9	1.5	7.2	77	57	5.2	5.3	3.5	2080	29	127	47
22	4.0	1.8	9.4	87	68	5.5	3.4	5.5	1680	23	104	60
23	4.6	1.9	7.3	79	71	4.9	2.7	5.2	1510	22	87	76
24	4.2	1.7	9.2	84	75	4.3	2.5	6.0	1550	22	77	96
25	2.1	2.0	31	75	82	3.2	2.3	7.6	1470	20	62	111
26	1.3	2.0	45	64	84	5.3	2.1	34	1480	19	52	123
27	0.94	2.0	50	62	83	12	2.1	46	1380	19	47	141
28	0.66	2.2	58	61	89	16	2.1	23	996	19	45	152
29	1.1	2.2	66	76	---	17	2.1	8.6	780	18	32	145
30	0.65	2.1	68	90	---	17	2.2	5.6	637	12	16	138
31	0.60	---	78	109	---	18	---	7.6	---	292	10	---
TOTAL	1242.05	37.85	482.8	1649.5	1885	1166.4	338.0	193.6	37554.3	2476	8077	1605.6
MEAN	40.1	1.26	15.6	53.2	67.3	37.6	11.3	6.25	1252	79.9	261	53.5
AC-FT	2460	75	958	3270	3740	2310	670	384	74490	4910	16020	3180
MAX	121	2.2	78	109	127	89	32	46	2610	474	881	152
MIN	0.60	0.65	2.0	4.0	46	3.2	2.1	1.7	3.4	12	10	7.5

CAL YR 1996 TOTAL 14072.04 MEAN 38.4 MAX 345 MIN 0.00 AC-FT 27910
WTR YR 1997 TOTAL 56708.11 MEAN 155 MAX 2610 MIN 0.60 AC-FT 112500

MAX DISCH 2702 CFS AT 0445 19-JUN-1997 GH 6.47 FT. SHIFT 0.07 FT. MAX GH 6.47 FT. AT 0445 19-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
[graph on combined page](#)

PLATTE RIVER BASIN

06764000 SOUTH PLATTE RIVER AT JULESBURG, CO (COMBINED)

LOCATION.--See Channel No.2 and Channel No.4.

DRAINAGE AREA.--23,193 mi².

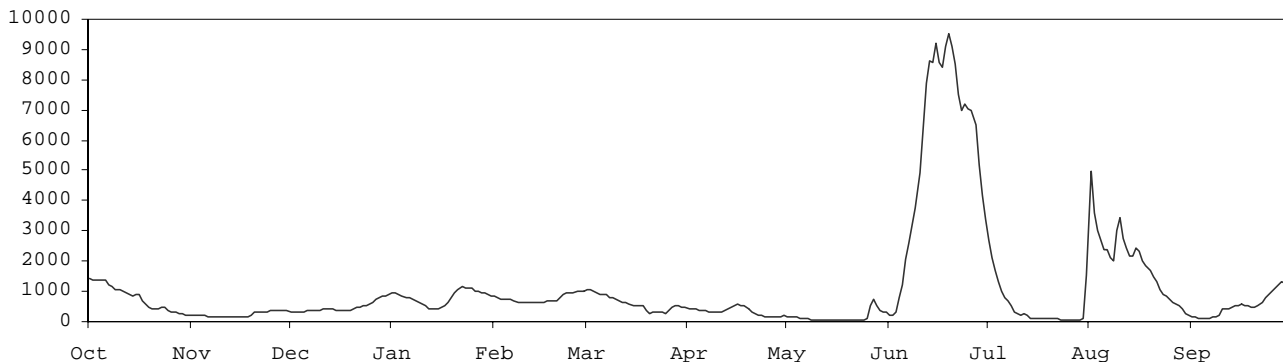
GAGE.--See Channel No.2 and Channel No. 4. Stations maintained by Fred Renner.

REMARKS.--Record obtained by combining data from Channel No. 2 and Channel No. 4 and Channel No. 1.
Records developed by Fred Renner.DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1440	201	336	938	821	1040	433	180	234	2700	4970	185
2	1390	194	342	943	777	1060	418	177	211	2140	3580	155
3	1350	192	335	911	752	983	397	168	310	1710	3020	132
4	1360	193	325	871	745	937	393	145	818	1330	2720	121
5	1370	187	334	803	763	923	392	124	1200	997	2360	115
6	1350	184	347	777	718	917	344	87	2070	806	2380	127
7	1220	177	350	740	684	903	321	84	2600	706	2100	148
8	1160	171	347	701	651	809	330	77	3160	548	2000	157
9	1080	172	365	649	647	781	323	67	3780	340	3020	215
10	1040	174	389	580	631	751	293	68	4900	245	3430	410
11	991	168	400	512	633	688	313	66	6400	199	2770	438
12	947	164	400	407	626	641	353	70	7860	239	2430	448
13	903	163	404	404	624	618	412	79	8650	191	2180	474
14	842	157	409	404	648	587	474	76	8580	132	2150	513
15	907	156	378	429	654	539	549	76	9200	112	2450	544
16	895	158	365	455	648	537	578	70	8580	110	2320	560
17	692	147	354	510	671	517	519	56	8400	105	2020	532
18	603	154	353	621	678	506	517	53	9120	100	1850	520
19	498	210	378	792	703	354	424	51	9500	101	1680	486
20	446	320	405	963	702	277	316	48	9110	97	1480	496
21	434	339	457	1080	782	303	250	46	8530	93	1330	541
22	444	337	484	1140	883	336	200	46	7490	81	1040	634
23	467	342	507	1130	940	329	190	50	6980	73	891	770
24	458	332	534	1130	975	300	162	54	7190	70	856	920
25	380	352	606	1100	976	271	142	93	7040	68	717	1030
26	321	349	645	1010	980	350	136	538	6980	71	625	1100
27	295	349	725	1010	991	484	149	766	6490	73	567	1210
28	273	365	783	961	1010	531	157	545	5180	72	537	1310
29	271	372	841	926	---	510	161	358	4190	77	402	1260
30	232	361	843	890	---	481	189	297	3390	82	269	1170
31	211	---	878	859	---	463	---	338	---	1550	210	---
TOTAL	24270	7140	14619	24646	21313	18726	9835	4953	168143	15218	58354	16721
MEAN	783	238	472	795	761	604	328	160	5605	491	1882	557
AC-FT	48140	14160	29000	48890	42270	37140	19510	9820	333500	30180	115700	33170
MAX	1440	372	878	1140	1010	1060	578	766	9500	2700	4970	1310
MIN	211	147	325	404	624	271	136	46	211	68	210	115

CAL YR 1996 TOTAL	209243	MEAN	572	MAX	2850	MIN	40	AC-FT	415000
WTR YR 1997 TOTAL	383938	MEAN	1052	MAX	9500	MIN	46	AC-FT	761500

MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09042000 EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA, CO

LOCATION.--Lat 39°21'33", long 106°04'37"; Park County, tunnel diverts water from tributaries of Blue River in Colorado River basin to Montgomery Res. (Middle Fork South Platte River) in sec. 14, T. 8 S., R. 78 W., in Platte River basin.

GAGE.--Water-stage recorder with satellite telemetry at an 8-ft Parshall flume with a metal stilling well housed inside tunnel entrance. Staff gage installed 1991. Elevation of gage is 10,945 ft by topographic map. Station is owned and maintained by the City of Colorado Springs.

REMARKS.--Hourly chart data was manually entered, except for the period after Sep. 4 which was satellite record. Encoder problems prevented consistent use of satellite data for most of the season. Chart was set weekly with very few corrections noted. Start-up of tunnel was confirmed against Montgomery Reservoir reports. Record is complete and reliable. The record is good. Record developed by Bob Cooper.

RATING TABLE.--HSPTUNCO04 USED FROM 01-OCT-1996 TO 30-SEP-1997

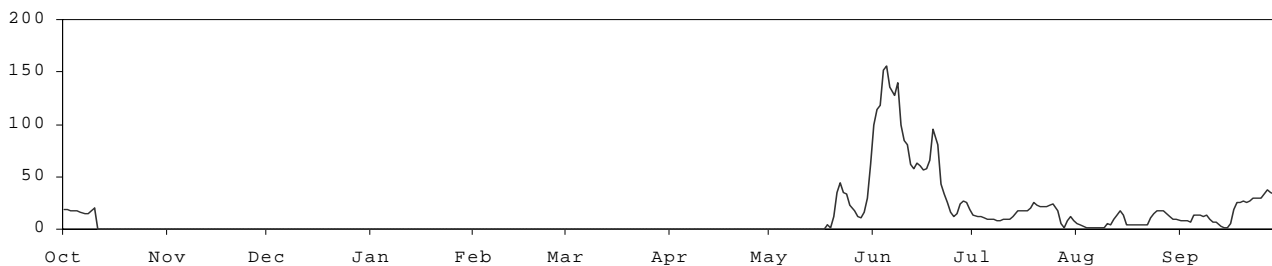
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	13	5.0	8.7
2	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114	12	4.6	7.7
3	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	118	12	3.0	8.5
4	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	152	11	1.1	6.9
5	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	156	10	0.87	13
6	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136	9.6	1.4	13
7	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127	9.2	1.4	13
8	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140	8.5	0.81	12
9	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	8.0	1.8	13
10	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	9.1	4.9	9.9
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80	10	4.6	6.9
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	8.9	9.7	6.2
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	12	14	2.7
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	17	18	2.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	18	13	1.9
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	17	4.0	5.5
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	17	4.0	19
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	66	20	4.2	26
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	95	25	3.8	26
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	81	23	3.4	27
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	43	22	3.5	26
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	33	22	4.1	27
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	25	22	11	29
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34	16	23	15	29
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	12	24	17	29
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	15	18	18	33
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	24	4.8	17	38
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	27	0.78	15	35
29	0.0	0.0	0.0	0.0	---	0.0	0.0	16	26	7.4	12	34
30	0.0	0.0	0.0	0.0	---	0.0	0.0	30	19	12	9.4	43
31	0.0	---	0.0	0.0	---	0.0	---	62	---	8.7	9.7	---
TOTAL	175	0.0	0.0	0.0	0.0	0.0	0.0	336.7	2147	434.98	235.28	551.9
MEAN	5.65	0.0	0.0	0.0	0.0	0.0	0.0	10.9	71.6	14.0	7.59	18.4
AC-FT	347	0.0	0.0	0.0	0.0	0.0	0.0	668	4260	863	467	1090
MAX	20	0.0	0.0	0.0	0.0	0.0	0.0	62	156	25	18	43
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.78	0.81	1.9

CAL YR 1996 TOTAL 5073.1 MEAN 13.9 MAX 155 MIN 0.00 AC-FT 10060
WTR YR 1997 TOTAL 3880.86 MEAN 10.6 MAX 156 MIN 0.00 AC-FT 7700

MAX DISCH 215 CFS AT 2100 04-JUN-1997 GH 3.23 FT. SHIFT 0.04 FT. MAX GH 3.23 FT. AT 2100 04-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09046000 BOREAS PASS DITCH AT BOREAS PASS, CO

LOCATION.--Diverts water from tributaries of Blue River in Colorado River basin to Tarryall Creek in sec. 26, T.7 S., R.77 W., in Platte River basin.

GAGE.--Graphic water-stage recorder at a standard 18-inch Parshall Flume. Station is owned and maintained by City Of Englewood.

REMARKS.--The record was taken from mean daily values taken from the chart. The chart was set weekly with very few corrections noted. The record is complete and reliable. The record is good. Record developed by Robert Cooper.

RATING TABLE.--STD01HFTPF USED FROM 01-OCT-1996 TO 30-SEP-1997

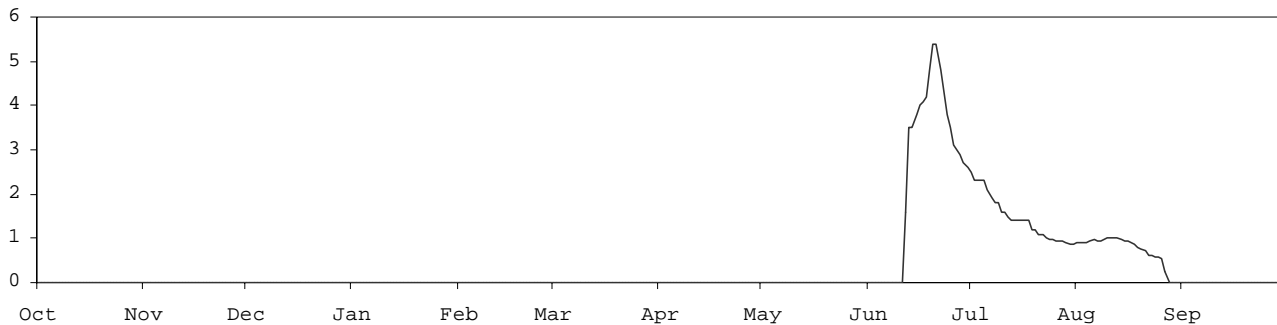
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.90	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.90	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.90	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.90	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.94	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.99	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.94	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.94	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.99	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.5	1.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.4	1.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.4	0.99	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	1.4	0.94	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.4	0.94	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.4	0.90	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.4	0.85	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	1.2	0.80	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	1.2	0.76	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	1.1	0.71	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	1.1	0.63	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	1.0	0.63	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.99	0.59	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.99	0.59	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.94	0.55	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.94	0.25	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.94	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.7	0.90	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.6	0.85	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.85	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.0	45.40	22.53	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.37	1.46	0.73	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	141	90	45	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	2.5	1.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	0.0	0.0

CAL YR 1996 TOTAL 105.33 MEAN 0.29 MAX 3.9 MIN 0.00 AC-FT 209
WTR YR 1997 TOTAL 138.93 MEAN 0.38 MAX 5.4 MIN 0.00 AC-FT 276

MAX DISCH 5.6 CFS AT 1500 20-JUN-1997 GH 0.99 FT. SHIFT -0.03 FT. MAX GH 0.99 FT. AT 1500 20-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09050590 HAROLD D. ROBERTS TUNNEL NEAR GRANT, CO

LOCATION.--Lat 39°27'50", long 105°41'01"; Harold D. Roberts tunnel diverts water from Dillon Reservoir in Blue River basin, to North Fork South Platte River (tributary to South Platte River) in SW¼SW¼ sec. 4, T. 7 S., R. 74 W., in Platte River basin.

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter at a 20-ft Parshall flume. Elevation of gage is 8695 ft by topographic map. Station is owned and maintained by the Denver Water Dept., who also generate power from the tunnel flow.

REMARKS.--The primary record was hourly satellite data. Daily mean gage heights were checked against available chart data, and agreed within 0.02 ft. Record is complete and reliable. Record is good. Denver Water Dept. records were used to verify periods of zero flow, since the level of standing water in the flume between runs seems to vary. Record is developed by Robert Cooper.

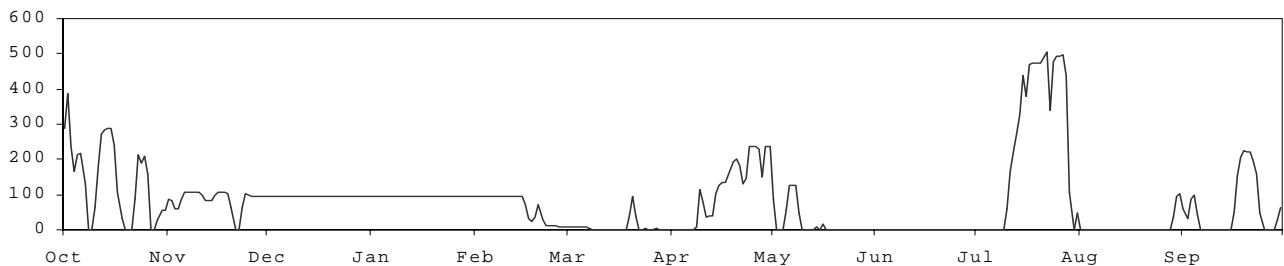
RATING TABLE.--ROBTUNCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	287	86	95	95	95	8.8	0.0	86	0.0	0.0	0.0	61
2	388	82	96	95	95	8.8	0.0	0.0	0.0	0.0	0.0	33
3	238	58	95	95	95	8.2	0.0	0.0	0.0	0.0	0.0	87
4	167	58	95	96	96	8.8	0.0	0.0	0.0	0.0	0.0	100
5	215	87	96	95	95	6.2	0.0	57	0.0	0.0	0.0	44
6	216	108	96	95	95	6.7	0.0	125	0.0	0.0	0.0	0.0
7	132	107	96	95	95	3.8	0.0	125	0.0	0.0	0.0	0.0
8	0.0	108	95	96	95	0.0	8.2	125	0.0	0.0	0.0	0.0
9	0.0	107	95	96	95	0.0	114	47	0.0	0.0	0.0	0.0
10	64	106	96	95	95	0.0	79	0.0	0.0	60	0.0	0.0
11	176	97	96	95	95	0.0	36	0.0	0.0	167	0.0	0.0
12	273	81	95	96	94	0.0	41	0.0	0.0	222	0.0	0.0
13	286	81	96	96	95	0.0	41	0.0	0.0	273	0.0	0.0
14	288	81	96	95	95	0.0	102	9.5	0.0	326	0.0	0.0
15	287	99	96	96	95	0.0	126	0.0	0.0	437	0.0	0.0
16	239	107	96	95	70	0.0	136	15	0.0	379	0.0	50
17	106	106	95	96	31	0.0	136	0.0	0.0	468	0.0	153
18	31	106	95	96	23	0.0	159	0.0	0.0	474	0.0	206
19	0.0	103	96	96	36	41	195	0.0	0.0	473	0.0	224
20	0.0	63	96	95	73	94	200	0.0	0.0	474	0.0	223
21	0.0	0.0	96	95	28	41	180	0.0	0.0	490	0.0	222
22	86	0.0	95	95	11	0.0	130	0.0	0.0	506	0.0	192
23	214	65	96	95	10	0.0	147	0.0	0.0	341	0.0	158
24	191	101	95	95	11	5.7	236	0.0	0.0	478	0.0	46
25	211	97	95	95	10	0.0	237	0.0	0.0	494	0.0	0.0
26	157	95	95	95	9.5	0.0	236	0.0	0.0	495	0.0	0.0
27	0.0	95	95	96	7.2	2.8	228	0.0	0.0	497	0.0	0.0
28	0.0	95	95	96	9.2	0.0	151	0.0	0.0	439	0.0	0.0
29	27	95	96	95	---	0.0	238	0.0	0.0	106	37	26
30	56	96	96	95	---	0.0	238	0.0	0.0	0.0	93	64
31	56	---	96	95	---	0.0	---	0.0	---	46	104	---
TOTAL	4391	2570	2962	2956	1753.9	235.8	3394.2	589.5	0.0	7645	234	1889
MEAN	142	85.7	95.5	95.4	62.6	7.61	113	19.0	0.0	247	7.55	63.0
AC-FT	8710	5100	5880	5860	3480	468	6730	1170	0.0	15160	464	3750
MAX	388	108	96	96	96	94	238	125	0.0	506	104	224
MIN	0.0	0.0	95	95	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAL YR 1996 TOTAL	27721.9	MEAN	75.7	MAX	451	MIN	0.00	AC-FT	54990			
WTR YR 1997 TOTAL	28620.4	MEAN	78.4	MAX	506	MIN	0.00	AC-FT	56770			

MAX DISCH 508 CFS AT 1500 21-JUL-1997 GH 3.24 FT. SHIFT 0.03 FT. MAX GH 3.24 FT. AT 1500 21-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09047300 VIDLER TUNNEL NEAR ARGENTINE PASS, CO

LOCATION.--Lat 39°37'28", long 105°47'28", sec.6, T.5 S., R.75 W., Summit County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 3' Parshall flume. The flume is inside the tunnel, approximately 1500 feet from the west end.

REMARKS.--One measurement was made this year. The shift of -.02 was used from measurement made July 15, 1997. The record is considered good. Record developed by Rodger Burcher.

RATING TABLE.--VIDTUNCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

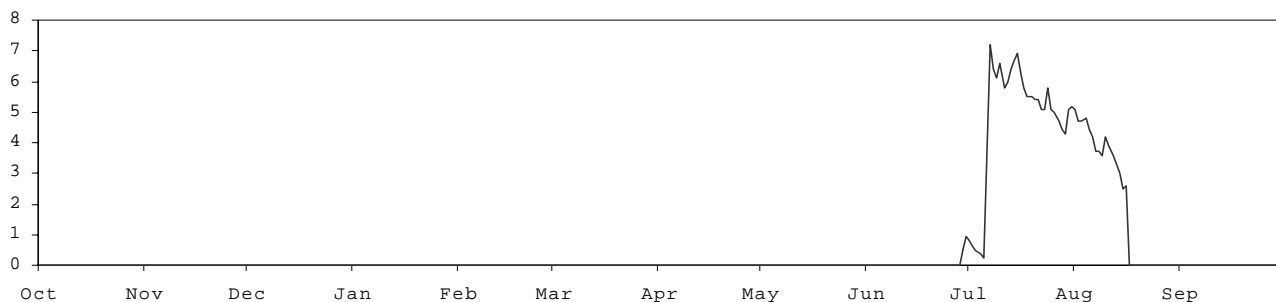
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	5.1	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	4.7	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	4.7	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	4.8	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	4.4	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	4.2	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	3.7	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	3.7	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	3.6	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	4.2	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	3.9	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	3.6	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	3.3	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	3.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	2.5	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	2.6	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.51	4.3	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.96	5.1	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	5.2	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.47	148.03	62.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	4.78	2.00	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	294	123	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.96	7.2	5.1	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.0	0.0

CAL YR 1996 TOTAL	135.24	MEAN	0.37	MAX	7.0	MIN	0.00	AC-FT	268
WTR YR 1997 TOTAL	211.50	MEAN	0.58	MAX	7.2	MIN	0.00	AC-FT	420

MAX DISCH 9.3 CFS AT 1730 15-JUL-1997 GH 0.87 FT. SHIFT -0.02 FT. MAX GH 0.87 FT. AT 1730 15-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09021500 BERTHOUD PASS DITCH AT BERTHOUD PASS, CO

LOCATION.--Lat 39°47'55", long 105°46'35"; Berthoud Pass Ditch diverts water from tributaries of Fraser River between headgate in sec. 33, T. 2 S., R. 75 W., Grand County, and Berthoud Pass, in Colorado River basin, to Hoop Creek, tributary to west fork Clear Creek in sec. 10, T. 3 S., R. 75 W., in Platte River Basin.

GAGE.--A-35 graphic water-stage recorder mounted on 30" cutthroat flume in a 42-inch metal shelter. The stilling well has been divided to accommodate two recorders, one for Ha and one for Hb.

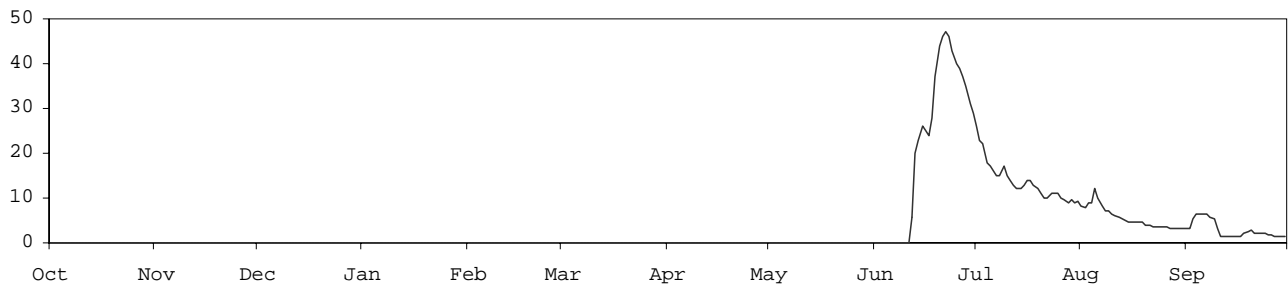
REMARKS.--Record is good except for periods of trash affect which is fair. Measurements over time have found that submergence is minimal at stages most commonly experienced when the channel is clear of debris. Ha is the gage height used with correction made by shifting. Station maintained and record developed by Rodger Burcher.

RATING TABLE.--BERDITCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	8.1	3.1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	7.8	3.2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	8.8	5.2
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	9.1	6.4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	12	6.3
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	10	6.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	8.3	6.3
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	7.0	5.7
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	7.0	5.2
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	6.6	3.1
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	6.1	1.5
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	13	5.7	1.6
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	12	5.4	1.4
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	12	5.1	1.3
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	13	4.7	1.5
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	14	4.6	1.4
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	14	4.7	1.6
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	13	4.6	2.2
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	12	4.7	2.5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	11	4.0	3.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	10	3.8	2.3
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	10	3.7	2.3
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	11	3.6	2.3
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	11	3.6	2.1
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	11	3.6	1.8
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	10	3.4	1.8
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	9.5	3.3	1.6
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	9.0	3.3	1.6
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	31	9.5	3.3	1.5
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	29	9.1	3.3	1.5
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	9.3	3.2	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	625.8	421.4	172.4	87.7
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	13.6	5.56	2.92
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1240	836	342	174
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	26	12	6.4
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	3.2	1.3
CAL YR 1996 TOTAL	770.61		MEAN	2.11	MAX	20	MIN	0.00	AC-FT	1530		
WTR YR 1997 TOTAL	1307.3		MEAN	3.58	MAX	47	MIN	0.00	AC-FT	2590		

MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09035000 AUGUST P. GUMBLICK TUNNEL AT JONES PASS, CO

LOCATION.--Lat 39°46'13", long 105°51'03", T.2 S. R.75 W., Clear Creek County. Diverts water from Bobtail Creek on the William's Fork in the Colorado River Basin to Vasquez Creek and the Moffat tunnel which discharges into South Boulder Creek in the South Platte River basin.

GAGE.--Stevens F-type water-stage recorder mounted in a wooden shelter adjacent to the flume. The station is located within the confines of the Henderson Mine property approximately eight miles west of Empire, Co. on US Highway 40. The control is a non-standard 15' Parshall flume.

REMARKS.--The record is considered good. No measurement in WY-1997. Station maintained by Denver Water Board and record developed by Rodger Burcher.

RATING TABLE.--APGTUNCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

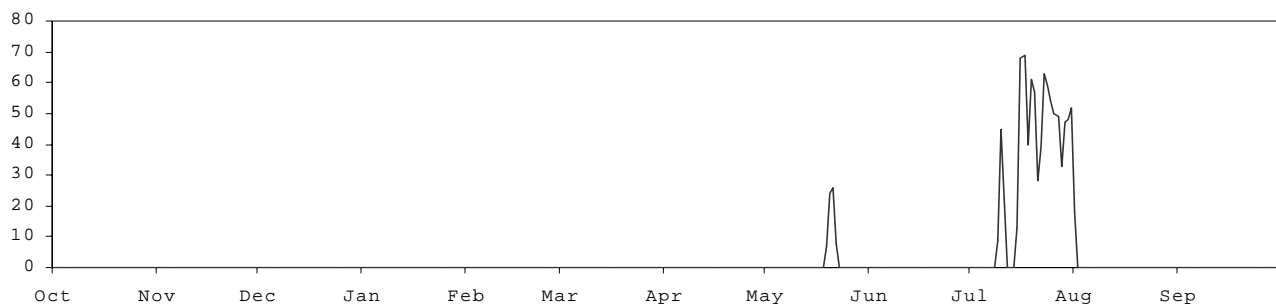
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	61	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	0.0	57	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	28	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	39	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	47	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	48	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	52	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0	0.0	905.6	18	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.10	0.0	29.2	0.58	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	129	0.0	1800	36	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	69	18	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 1070.20 MEAN 2.92 MAX 84 MIN 0.00 AC-FT 2120
WTR YR 1997 TOTAL 988.6 MEAN 2.71 MAX 69 MIN 0.00 AC-FT 1960

MAX DISCH 81 CFS AT 1615 17-JUL-1997 GH 1.15 FT. SHIFT 0.00 FT. MAX GH 1.15 FT. AT 1615 17-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09022500 EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE, CO

LOCATION.--Lat 39°54'16", long 105°38'45"; diverts water from tributaries of William's Fork River and main stem and tributaries of Fraser River in Colorado River basin, to South Boulder Creek, in sec. 2, T.2 S., R.74 W., in Platte River basin, Gilpin County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry in a timber shelter and well at 15' Parshall flume.

REMARKS.--Record is complete and reliable. The stage-discharge relation was affected by ice slab in flume on Mar. 2-6, 1997. Chart gage-height record was used on Jan. 29; Mar. 31, 1997. Record is good except for period of no gage-height, which is fair. Station maintained and record developed by Fred Renner.

RATING TABLE.--MOFTUNCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

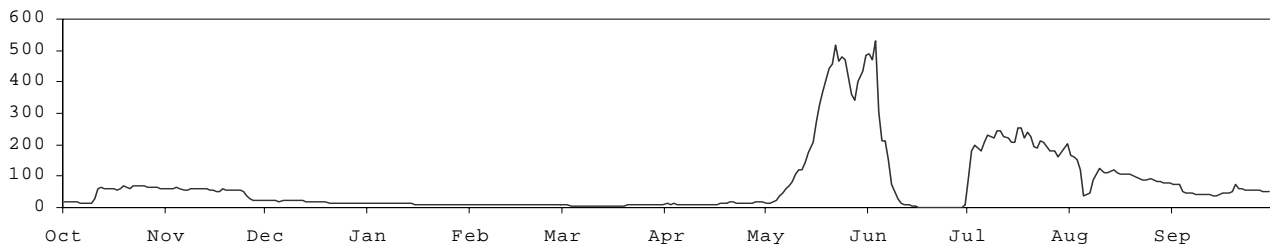
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	62	24	14	11	7.2	12	15	490	92	168	76
2	18	61	23	14	11	7.0	11	16	470	180	161	74
3	19	62	21	14	11	6.5	12	18	532	198	153	72
4	18	64	21	13	10	6.0	11	22	303	188	118	51
5	17	61	20	13	9.6	5.5	11	35	211	179	37	46
6	15	57	21	13	9.5	5.5	11	48	212	207	40	45
7	14	55	22	12	9.2	5.3	11	62	151	230	48	44
8	14	59	21	12	8.4	5.3	11	71	75	226	87	42
9	14	60	21	12	8.2	5.4	11	85	49	222	107	40
10	28	58	21	12	8.1	5.5	11	105	28	245	123	40
11	62	58	21	12	8.1	6.0	10	119	12	243	113	40
12	63	58	21	12	8.2	6.5	10	122	9.9	228	109	40
13	62	58	20	12	8.5	6.4	9.9	144	7.9	221	116	37
14	62	57	20	12	8.3	6.1	9.3	175	5.7	209	121	37
15	61	56	20	11	8.3	6.1	10	209	3.2	209	112	40
16	59	53	19	11	8.3	6.1	11	272	0.88	253	107	47
17	57	52	17	10	8.3	6.5	14	327	0.0	252	106	44
18	62	58	17	11	8.4	6.3	15	370	0.0	220	105	47
19	69	57	17	11	8.1	6.5	15	408	0.0	240	106	49
20	64	56	16	11	8.3	7.6	18	444	0.0	227	103	74
21	58	54	16	11	8.3	9.1	17	455	0.0	194	96	59
22	67	55	16	11	7.8	9.9	16	515	0.0	190	92	60
23	69	54	15	10	8.0	10	15	464	0.0	214	89	54
24	68	51	15	10	8.0	11	13	480	0.0	208	87	55
25	68	38	15	9.8	7.8	9.8	16	472	0.0	192	91	54
26	65	26	15	10	7.9	10	16	415	0.0	180	86	54
27	65	22	14	10	7.9	11	15	358	0.0	179	83	56
28	66	22	14	9.6	7.7	11	19	340	0.0	161	82	52
29	65	24	14	11	---	11	17	400	0.0	175	80	51
30	62	24	14	11	---	11	17	435	11	187	78	50
31	62	---	14	11	---	11	---	483	---	203	78	---
TOTAL	1513	1532	565	356.4	242.2	238.1	395.2	7884	2571.57	6352	3082	1530
MEAN	48.8	51.1	18.2	11.5	8.65	7.68	13.2	254	85.7	205	99.4	51.0
AC-FT	3000	3040	1120	707	480	472	784	15640	5100	12600	6110	3030
MAX	69	64	24	14	11	11	19	515	532	253	168	76
MIN	14	22	14	9.6	7.7	5.3	9.3	15	0.0	92	37	37

CAL YR 1996 TOTAL 27779.8 MEAN 75.9 MAX 700 MIN 2.3 AC-FT 55100
WTR YR 1997 TOTAL 26261.48 MEAN 71.9 MAX 532 MIN 0.00 AC-FT 52090

MAX DISCH 614 CFS AT 0045 22-MAY-1997 GH 4.36 FT. SHIFT 0.02 FT. MAX GH 4.36 FT. AT 0045 22-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09013000 ALVA B. ADAMS TUNNEL AT EAST PORTAL
NEAR ESTES PARK, COLORADO

LOCATION.--Lat 40°19'40", long 105°34'39", in NW¼ sec. 9, T.3 N., R.75 W., in Colorado River Basin.

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter and well at a 15-foot Parshall flume. DCP is primary record with chart as backup.

REMARKS.--Record is complete and reliable. Water was diverted through the Adams Tunnel Flume from Wind River this year. From May 6-Sep. 15, 1997, 1510 acre feet of Wind River water was included at the gage at the 15-foot Parshall flume. This record at the flume minus 1510 A/F of Wind River water equals the diversion from the western slope. Record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--ADATUNCO06 USED FROM 01-OCT-1996 TO 30-SEP-1997

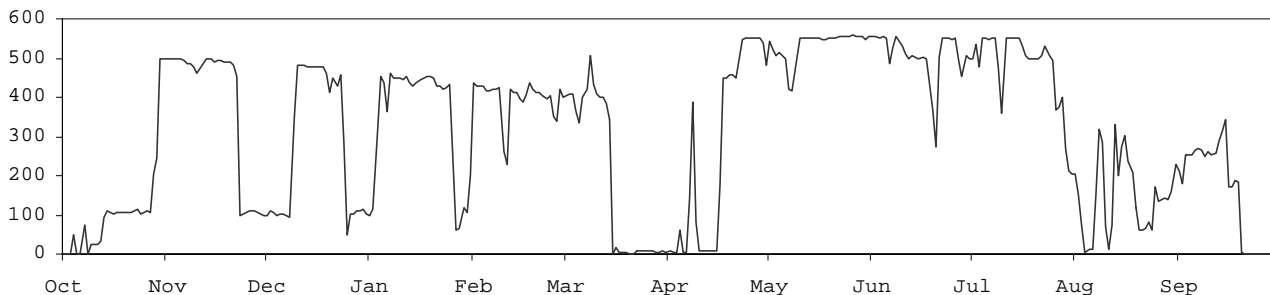
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.46	496	96	98	437	406	6.4	544	556	500	204	211
2	0.40	499	111	113	430	410	4.3	524	554	533	153	181
3	0.40	497	106	314	430	410	5.5	508	553	479	72	252
4	47	496	99	455	427	362	60	515	556	552	5.4	252
5	0.13	496	103	438	415	333	6.1	506	551	553	14	252
6	0.0	492	104	365	415	399	4.0	499	485	547	14	267
7	72	484	99	463	420	421	143	421	527	551	155	268
8	0.43	485	95	450	421	506	386	417	555	552	318	267
9	23	477	349	451	423	433	80	498	541	475	287	248
10	23	463	482	449	261	407	9.2	549	531	361	71	262
11	24	472	482	446	228	400	9.3	549	512	550	12	255
12	33	486	480	455	419	398	9.5	550	500	550	73	256
13	95	497	477	437	411	385	9.6	549	505	549	329	290
14	109	498	478	430	414	344	9.5	550	504	551	200	316
15	105	491	478	438	397	1.4	9.1	552	500	552	275	341
16	102	493	478	446	386	15	174	551	501	532	303	171
17	107	492	477	447	409	5.9	448	548	500	505	237	171
18	108	491	476	455	435	6.1	448	547	433	500	209	189
19	108	491	460	454	421	5.8	456	551	369	498	119	184
20	108	490	413	448	412	0.57	456	549	272	499	62	2.9
21	108	481	448	430	412	0.50	448	552	504	498	61	1.7
22	111	455	429	427	406	9.3	500	554	550	508	66	1.6
23	115	99	459	422	396	6.2	548	554	552	531	81	0.35
24	104	103	277	424	404	8.1	550	557	550	507	61	0.0
25	106	106	51	434	353	7.8	550	557	548	494	173	0.0
26	110	111	103	251	339	9.6	551	561	550	368	133	0.0
27	106	111	101	63	419	7.5	550	555	499	376	139	0.0
28	204	107	109	64	402	4.3	550	555	455	400	143	0.0
29	245	102	109	117	---	5.4	537	555	506	270	138	0.0
30	498	100	116	108	---	6.5	482	548	498	214	159	0.0
31	496	---	102	200	---	4.0	---	555	---	206	229	---
TOTAL	3268.82	11561	8647	10992	11142	5717.98	7999.5	16580	15217	14761	4495.4	4639.55
MEAN	105	385	279	355	398	184	267	535	507	476	145	155
AC-FT	6480	22930	17150	21800	22100	11340	15870	32890	30180	29280	8920	9200
MAX	498	499	482	463	437	506	551	561	556	553	329	341
MIN	0.0	99	51	63	228	0.50	4.0	417	272	206	5.4	0.0

CAL YR 1996 TOTAL 109798.72 MEAN 300 MAX 561 MIN 0.00 AC-FT 217800
WTR YR 1997 TOTAL 115021.25 MEAN 315 MAX 561 MIN 0.00 AC-FT 228100

MAX DISCH 566 CFS AT 0845 07-MAY-1997 GH 4.16 FT. SHIFT 0.00 FT. MAX GH 4.16 FT. AT 0845 07-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09010000 GRAND RIVER DITCH AT LA POUVRE PASS, CO

LOCATION.--Lat 40°28'22", long 105°49'17", in NW¼ sec. 21, T.6 N., R.75 W., in Platte River Basin, to La Poudre Pass Creek, tributary to Cache La Poudre River.

GAGE.--F-type water-stage recorder with satellite telemetry. Station located at 10' Parshall flume near La Poudre Pass, Colorado.

REMARKS.--Record complete and reliable. The DCP was installed on May 19, 1997 and the recorder on the 20th. Water run from May 16-Aug. 26, 1997. Record is good. Station maintained and record developed by George Sievers and George Varra.

RATING TABLE.--GRNDRDCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

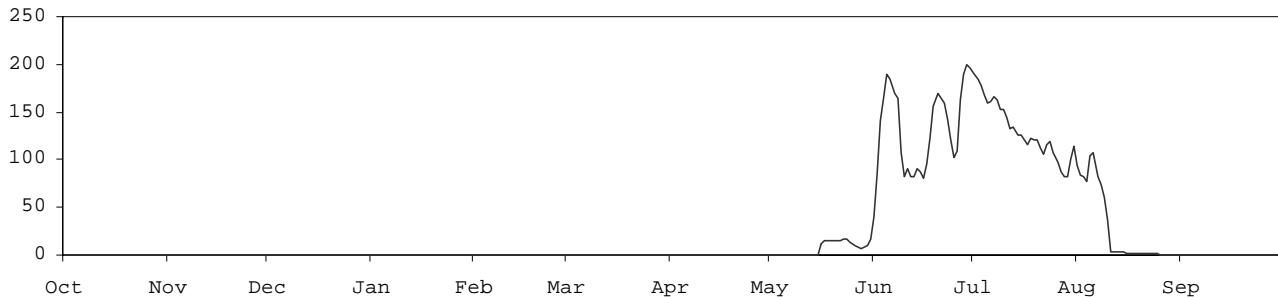
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	191	94	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86	184	84	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	141	178	83	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164	168	78	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	190	160	104	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	184	161	107	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170	166	83	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165	163	74	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107	152	61	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82	153	37	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90	144	3.4	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82	132	2.8	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82	134	3.2	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90	126	4.1	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88	126	2.6	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	80	121	2.2	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	96	115	2.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	123	123	2.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	156	121	2.1	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	170	120	1.7	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	165	113	1.5	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	159	106	1.5	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	143	115	1.3	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	121	119	1.3	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	103	107	1.3	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	109	98	0.53	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	162	87	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	190	82	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	7.8	200	83	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	10	197	100	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	16	---	114	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	206.1	3936	4062	838.53	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.65	131	131	27.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	409	7810	8060	1660	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	200	191	107	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	82	0.0	0.0

CAL YR 1996 TOTAL 11725.9 MEAN 32.0 MAX 324 MIN 0.00 AC-FT 23260
WTR YR 1997 TOTAL 9042.63 MEAN 24.8 MAX 200 MIN 0.00 AC-FT 17940

MAX DISCH 235 CFS AT 2030 05-JUN-1997 GH 3.05 FT. SHIFT 0.00 FT. MAX GH 3.05 FT. AT 2030 05-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06745500 CAMERON PASS DITCH AT CAMERON PASS, CO

LOCATION.--Lat 40°31'14", long 105°53'32"; Diverts water from Michigan River and tributaries, to Joe Wright Creek (tributary to Cache La Poudre River) in sec. 2, T.6 N., R.76 W.

GAGE.--F-type graphic water-stage recorder at 2' Parshall flume.

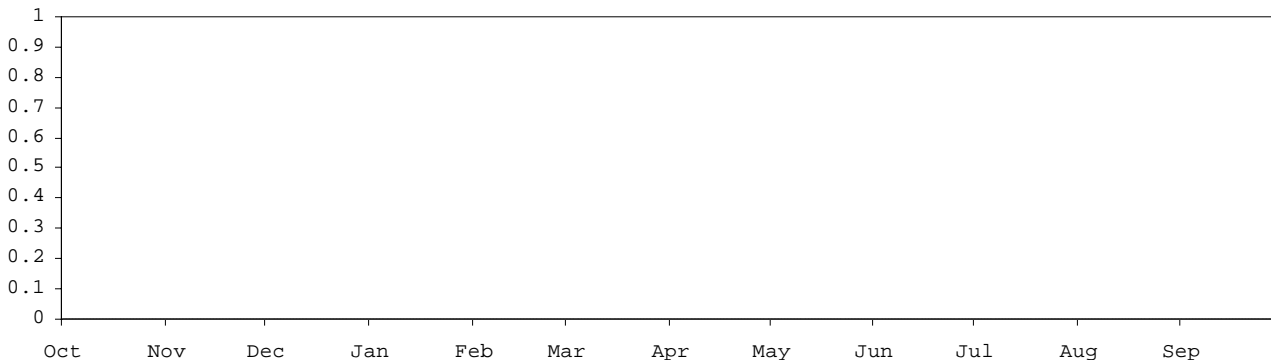
REMARKS.--No water run in WY 1997.

RATING TABLE.--CAPDCPC001 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAL YR 1996 TOTAL			0 MEAN	0.00 MAX		0.00 MIN		0.00 AC-FT		0.00		
WTR YR 1997 TOTAL			0 MEAN	0.00 MAX		0.00 MIN		0.00 AC-FT		0.00		

MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06746000 MICHIGAN DITCH AT CAMERON PASS, CO

LOCATION.--Lat 40°31'14", long 105°53'30"; Diverts water from Michigan River and tributaries, to Joe Wright Creek (tributary to Cache la Poudre River) in sec. 2, T.6 N., R. 76 W.

GAGE.--F-type graphic water-stage recorder at 8' Parshall flume.

REMARKS.--Record is complete and reliable except for May 21 which was estimated. Flow values for the period Nov. 1, 1996-May 20, 1997 were computed with the Marsh-McBirney Flo-tote installed by the City of Ft. Collins. Station maintained and record developed by George Sievers.

RATING TABLE.--MICDCPCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

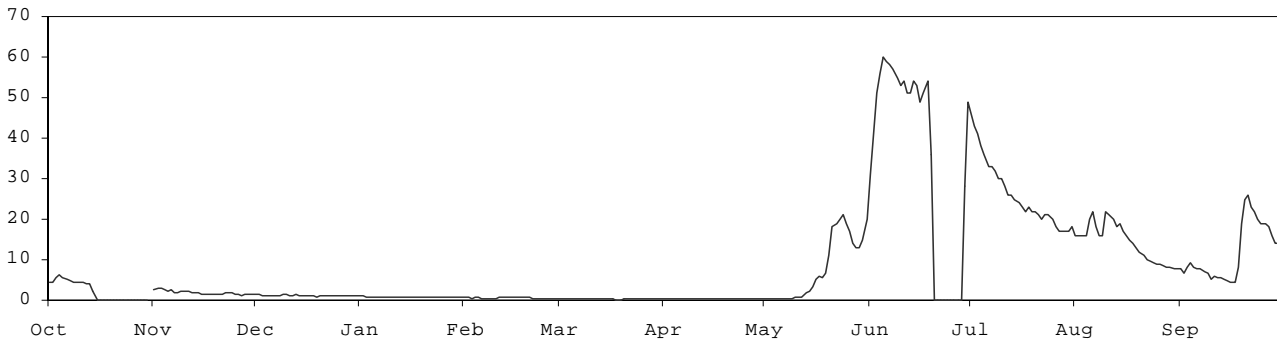
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	2.6	1.3	0.94	0.59	0.23	0.28	0.35	31	46	16	7.6
2	4.6	2.8	1.3	0.93	0.60	0.24	0.27	0.34	41	43	16	6.8
3	5.7	2.9	1.2	0.76	0.55	0.25	0.26	0.26	51	41	16	8.3
4	6.2	2.7	1.2	0.78	0.58	0.23	0.26	0.24	56	38	16	9.2
5	5.4	2.4	1.2	0.77	0.56	0.22	0.26	0.27	60	36	20	8.2
6	5.1	2.6	1.2	0.71	0.54	0.21	0.22	0.31	59	33	22	7.9
7	4.9	1.8	1.2	0.70	0.52	0.21	0.22	0.33	58	33	18	7.6
8	4.6	2.0	1.2	0.74	0.53	0.20	0.23	0.39	57	32	16	7.0
9	4.6	2.4	1.3	0.77	0.52	0.19	0.23	0.42	55	30	16	6.5
10	4.6	2.3	1.3	0.70	0.55	0.24	0.23	0.70	53	30	22	5.1
11	4.4	2.2	1.2	0.80	0.63	0.23	0.22	0.62	54	28	21	5.9
12	4.1	2.0	1.2	0.82	0.57	0.23	0.22	0.92	51	26	20	5.7
13	4.1	1.9	1.3	0.78	0.59	0.23	0.24	2.0	51	26	18	5.4
14	2.1	1.9	1.1	0.79	0.59	0.30	0.30	2.4	54	25	19	5.1
15	0.0	1.6	1.1	0.74	0.59	0.22	0.40	3.4	53	24	17	4.9
16	0.0	1.5	1.1	0.72	0.63	0.21	0.40	5.2	49	23	16	4.6
17	0.0	1.4	0.97	0.65	0.66	0.20	0.43	5.8	51	22	15	4.6
18	0.0	1.3	0.95	0.64	0.65	0.18	0.44	5.7	54	23	14	8.1
19	0.0	1.4	0.92	0.65	0.62	0.18	0.44	6.5	36	22	13	19
20	0.0	1.4	0.95	0.74	0.62	0.21	0.41	11	0.0	22	12	25
21	0.0	1.6	1.0	0.76	0.52	0.24	0.33	18	0.0	21	11	26
22	0.0	2.0	1.1	0.72	0.38	0.23	0.33	19	0.0	20	10	23
23	0.0	1.8	1.1	0.72	0.30	0.25	0.32	20	0.0	21	9.8	22
24	0.0	1.8	1.0	0.68	0.24	0.28	0.33	21	0.0	21	9.2	20
25	0.0	1.6	1.1	0.70	0.23	0.28	0.34	19	0.0	20	8.9	19
26	0.0	1.3	1.0	0.67	0.23	0.28	0.36	17	0.0	18	8.9	19
27	0.0	1.2	1.0	0.61	0.24	0.33	0.36	14	0.0	17	8.6	18
28	0.0	1.6	1.0	0.61	0.24	0.39	0.38	13	0.0	17	8.2	16
29	0.0	1.6	0.96	0.59	---	0.35	0.39	13	28	17	8.2	14
30	0.0	1.5	0.96	0.60	---	0.33	0.38	15	49	17	7.6	14
31	---	---	0.95	0.61	---	0.31	---	20	---	18	7.6	---
TOTAL	65.0	57.1	34.36	22.40	14.07	7.68	9.48	236.15	1051	810	441.0	353.5
MEAN	2.17	1.90	1.11	0.72	0.50	0.25	0.32	7.62	35.0	26.1	14.2	11.8
AC-FT	129	113	68	44	28	15	19	468	2080	1610	875	701
MAX	6.2	2.9	1.3	0.94	0.66	0.39	0.44	21	60	46	22	26
MIN	0.0	1.2	0.92	0.59	0.23	0.18	0.22	0.24	0.0	17	7.6	4.6

CAL YR 1996 TOTAL 1780.70 MEAN 4.87 MAX 74 MIN 0.00 AC-FT 3530
WTR YR 1997 TOTAL 3101.74 MEAN 8.50 MAX 60 MIN 0.00 AC-FT 6150

MAX DISCH 69 CFS AT 1830 05-JUN-1997 GH 1.61 FT. SHIFT 0.00 FT. MAX GH 1.61 FT. AT 1830 05-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06746500 SKYLINE DITCH NEAR CHAMBERS LAKE, CO

LOCATION.--Lat 40°37'00", long 105°51'29"; Diverts water from West Branch Laramie River, to Chambers Lake (tributary to Cache la Poudre River) in sec. 31, T.8 N., R.75 W.

GAGE.--F-type graphic water-stage recorder at 10' Parshall flume.

REMARKS.--No water run in WY 1997. Station maintained and record developed by George Sievers.

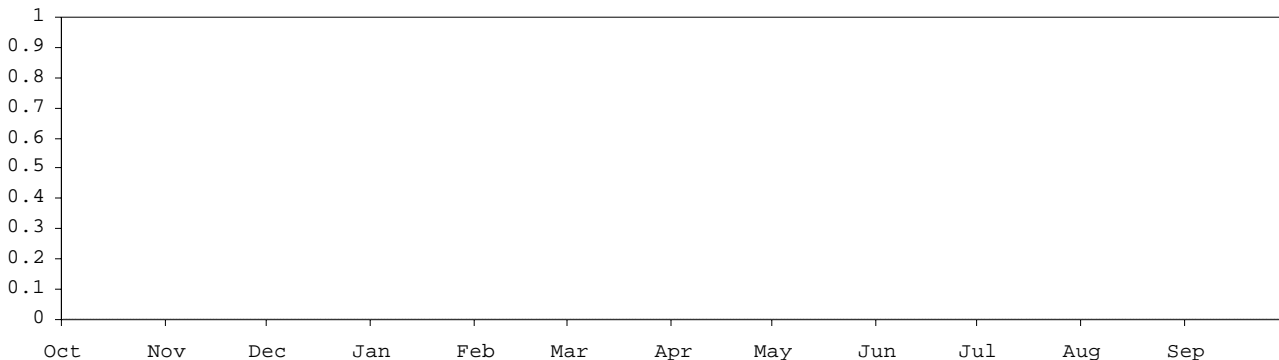
RATING TABLE.--SKYDCLCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1997 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00

MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06747000 LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE, CO

LOCATION.--Lat 40°40'34", long 105°50'49"; Laramie-Poudre tunnel diverts water from Laramie River and tributaries to Cache la Poudre River in sec 9, T.8 N., R.75 W.

GAGE.--F-type, graphic water-stage recorder with satellite telemetry at 10' Parshall flume.

REMARKS.--Record is complete and reliable. Water was diverted from May 9-27 and June 28-Aug. 9, 1997. Station maintained and record developed by George Sievers and George Varra.

RATING TABLE.--LAPTUNCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

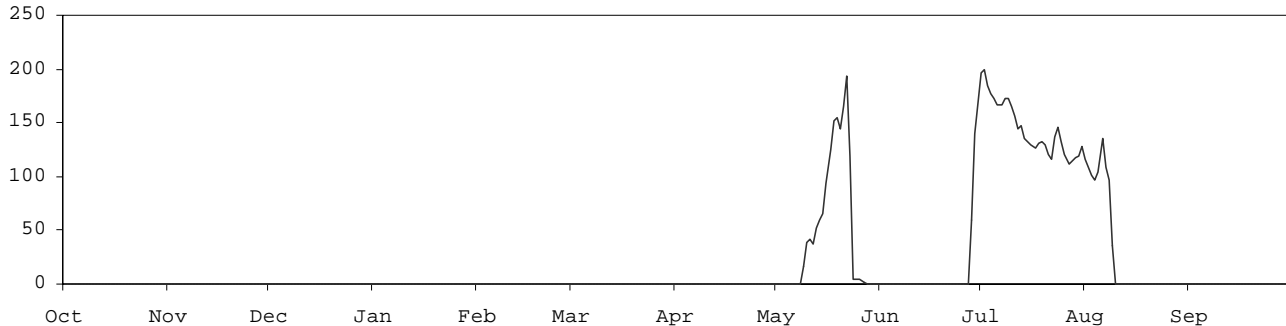
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	197	116	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	199	108	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	184	101	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	177	96	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172	104	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	166	136	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	167	109	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	173	97	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	172	36	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	0.0	165	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	0.0	156	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	0.0	144	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	0.0	147	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	0.0	136	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66	0.0	132	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94	0.0	130	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125	0.0	127	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	152	0.0	131	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	155	0.0	132	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	0.0	129	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165	0.0	121	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	194	0.0	116	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	119	0.0	137	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	146	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	133	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	121	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	112	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	115	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	140	117	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	168	119	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	128	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1472.9	367	4501	903	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5	12.2	145	29.1	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2920	728	8930	1790	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	194	168	199	136	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112	0.0	0.0

CAL YR 1996 TOTAL 6291.2 MEAN 17.2 MAX 166 MIN 0.00 AC-FT 12480
WTR YR 1997 TOTAL 7243.9 MEAN 19.8 MAX 199 MIN 0.00 AC-FT 14370

MAX DISCH 233 CFS AT 2000 22-MAY-1997 GH 3.04 FT. SHIFT 0.00 FT. MAX GH 3.04 FT. AT 2000 22-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

DEADMAN DITCH NEAR DEADMAN PARK, CO

LOCATION.--Lat 40°50'04", long 105°48'05"; Diverts water from Laramie River and tributaries, to Sheep Creek (tributary to Cache La Poudre River) via Sand Creek.

GAGE.--F-type, graphic water-stage recorder at 6' Parshall flume.

REMARKS.--No water run in WY 1997. Station maintained and record developed by George Sievers.

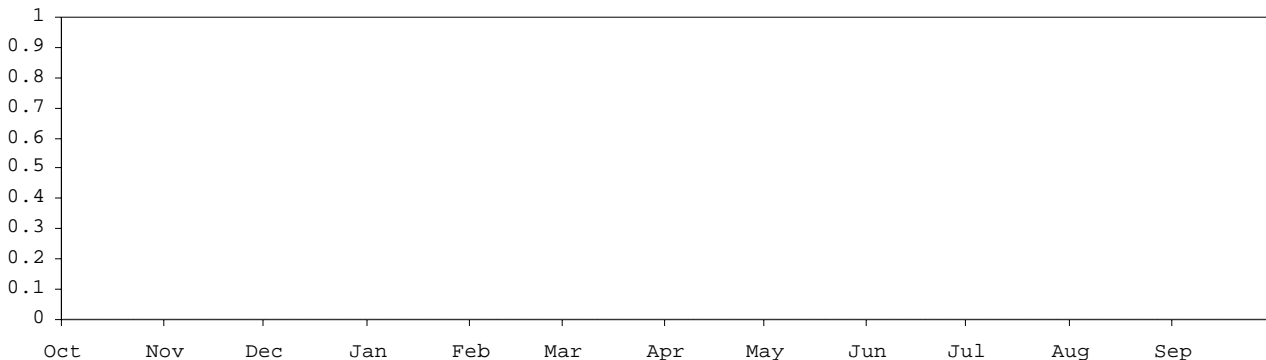
RATING TABLE.--DEADDDPC001 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1997 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00

MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06750500 WILSON SUPPLY DITCH NEAR EATON RESERVOIR, CO

LOCATION.--Lat 40°54'31", long 105°46'43"; Diverts water from Sand Creek and Deadman Creek in Laramie River basin to Sheep Creek (tributary to North Fork Cache la Poudre River) in sec. 23, T.11 N., R.75 W., in the Cache la Poudre River basin.

GAGE.--F-type, graphic water-stage recorder at 10' Parshall flume. Satellite telemetry was added in the Spring of 1994.

REMARKS.--Record is complete and reliable. Chart values were used from May 13-May 15 when S.E. was not working. Water was run May 13-June 12, 1997. Station maintained and record developed by George Sievers.

RATING TABLE.--WSDEARCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

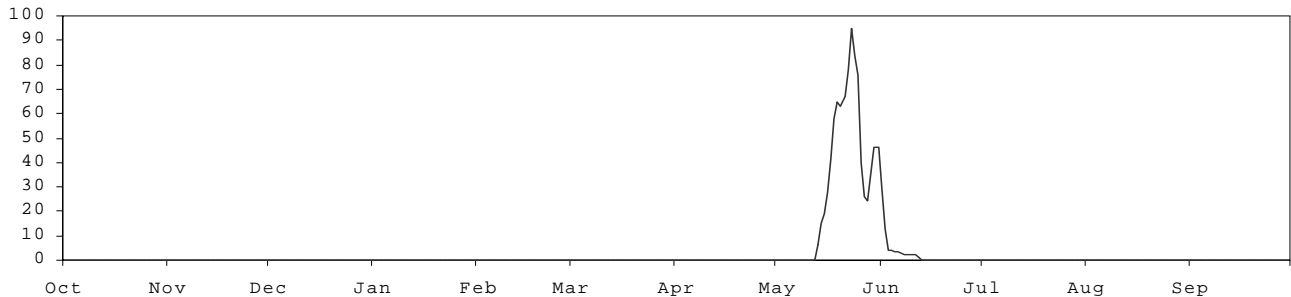
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	35	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	46	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	46	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	912.2	71.3	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4	2.38	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1810	141	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95	29	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 945.86 MEAN 2.58 MAX 92 MIN 0.00 AC-FT 1880
WTR YR 1997 TOTAL 983.5 MEAN 2.69 MAX 95 MIN 0.00 AC-FT 1950

MAX DISCH 115 CFS AT 1800 23-MAY-1997 GH 1.96 FT. SHIFT 0.00 FT. MAX GH 1.96 FT. AT 1800 23-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



REPUBLICAN RIVER BASIN

PIONEER DITCH AT HEADGATE NEAR LAIRD, CO

LOCATION.--Lat 40°05'05", long 102°08'30", SW¼NE¼ sec. 2, T.1 N., R.43 W., Yuma County, 4 mi east of Wray, Co., 1000 ft south of U.S. Highway 34.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder in metal box enclosure and well section with outside staff at 5' Parshall flume.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 2-3, 1996; May 14-15; June 1-3; July 12-13, 1997 when clock stopped; July 7-10, 21-22; Sep. 15-16, 29-30, 1997 when pen not inking; Oct 23, 1996-May 6, 1997; Aug. 6, 1997 when canal was off. Record is good except for periods of no gage-height record, which is fair. Station maintained by Pioneer Ditch Company. Record developed by Fred Renner.

RATING TABLE.--PIOHDGCO04 USED FROM 01-OCT-1996 TO 30-SEP-1997

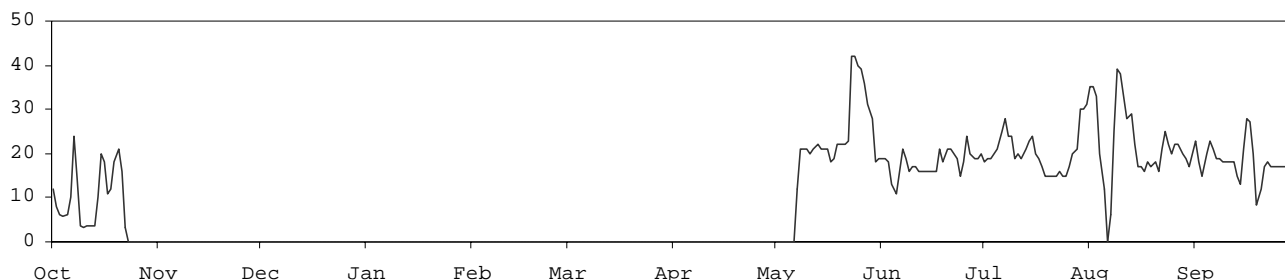
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	18	35	23
2	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	19	35	18
3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	19	33	15
4	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	20	20	20
5	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	21	12	23
6	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	25	0.0	21
7	24	0.0	0.0	0.0	0.0	0.0	0.0	12	21	28	6.2	19
8	14	0.0	0.0	0.0	0.0	0.0	0.0	21	19	24	25	19
9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	21	16	24	39	18
10	3.2	0.0	0.0	0.0	0.0	0.0	0.0	21	17	19	38	18
11	3.5	0.0	0.0	0.0	0.0	0.0	0.0	20	17	20	33	18
12	3.8	0.0	0.0	0.0	0.0	0.0	0.0	21	16	19	28	18
13	3.8	0.0	0.0	0.0	0.0	0.0	0.0	22	16	21	29	15
14	10	0.0	0.0	0.0	0.0	0.0	0.0	21	16	23	22	13
15	20	0.0	0.0	0.0	0.0	0.0	0.0	21	16	24	17	21
16	18	0.0	0.0	0.0	0.0	0.0	0.0	21	16	20	17	28
17	11	0.0	0.0	0.0	0.0	0.0	0.0	18	16	19	16	27
18	12	0.0	0.0	0.0	0.0	0.0	0.0	19	21	17	18	20
19	18	0.0	0.0	0.0	0.0	0.0	0.0	22	18	15	17	8.5
20	21	0.0	0.0	0.0	0.0	0.0	0.0	22	21	15	18	12
21	16	0.0	0.0	0.0	0.0	0.0	0.0	22	21	15	16	17
22	3.3	0.0	0.0	0.0	0.0	0.0	0.0	23	20	15	21	18
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	19	16	25	17
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	15	15	22	17
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	18	15	20	17
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	24	17	22	17
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	20	20	22	17
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	19	21	20	17
29	0.0	0.0	0.0	0.0	---	0.0	0.0	28	19	30	19	20
30	0.0	0.0	0.0	0.0	---	0.0	0.0	18	20	30	17	24
31	0.0	---	0.0	0.0	---	0.0	---	19	---	31	20	---
TOTAL	233.1	0.0	0.0	0.0	0.0	0.0	0.0	622	537	635	682.2	555.5
MEAN	7.52	0.0	0.0	0.0	0.0	0.0	0.0	20.1	17.9	20.5	22.0	18.5
AC-FT	462	0.0	0.0	0.0	0.0	0.0	0.0	1230	1070	1260	1350	1100
MAX	24	0.0	0.0	0.0	0.0	0.0	0.0	42	24	31	39	28
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	15	0.0	8.5

CAL YR 1996 TOTAL 3178.8 MEAN 8.69 MAX 36 MIN 0.00 AC-FT 6310
WTR YR 1997 TOTAL 3264.8 MEAN 8.94 MAX 42 MIN 0.00 AC-FT 6480

MAX DISCH 47 CFS AT 0500 23-MAY-1997 GH 1.87 FT. SHIFT 0.03 FT. MAX GH 1.87 FT. AT 0500 23-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



REPUBLICAN RIVER BASIN

PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE

LOCATION.--Lat 40°03'25", long 102°03'10", SW¼SW¼ sec. 10, T.1 N., R.42 W., Yuma County; 1200 ft south of U.S. Highway 34 at Colorado/Nebraska State line.

DRAINAGE AREA.--N/A

GAGE.--Type-F graphic water-stage recorder in metal box and well with two outside vertical steel staffs at 4' Parshall flume. Station maintained by Pioneer Ditch Company.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 24, 1996-May 6, 1997; Aug. 6, 1997 when the ditch was off; May 7, 1997 when ditch on but recorder no set up; May 12-13, 15-16, 1997 when clock stopped; Aug. 9, 11-21, 1997 when false floor was in flume blocking inlet. The conditions at the gage makes record computation very difficult. Stage-shift curves were needed because of the fluctuation of submergence. This is the result of placement of flume, backwater from boards in canal, sudden storms, and this year ditch company installing and removing flooring in flume. Record is fair except for period of no gage-height record which is poor. Record developed by Fred Renner.

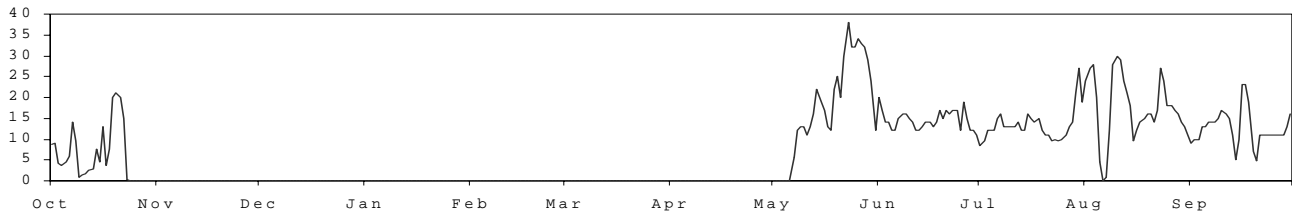
RATING TABLE.--PIOSTLCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	8.5	24	8.9
2	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	9.5	27	10
3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	12	28	10
4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	12	20	13
5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	12	4.6	13
6	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	15	0.0	14
7	14	0.0	0.0	0.0	0.0	0.0	0.0	5.5	15	16	0.88	14
8	9.7	0.0	0.0	0.0	0.0	0.0	0.0	12	16	13	12	14
9	0.72	0.0	0.0	0.0	0.0	0.0	0.0	13	16	13	28	15
10	1.4	0.0	0.0	0.0	0.0	0.0	0.0	13	15	13	30	17
11	1.8	0.0	0.0	0.0	0.0	0.0	0.0	11	14	13	29	16
12	2.4	0.0	0.0	0.0	0.0	0.0	0.0	13	12	14	24	15
13	2.8	0.0	0.0	0.0	0.0	0.0	0.0	16	12	12	21	11
14	7.6	0.0	0.0	0.0	0.0	0.0	0.0	22	13	12	18	5.2
15	4.5	0.0	0.0	0.0	0.0	0.0	0.0	19	14	16	9.7	9.8
16	13	0.0	0.0	0.0	0.0	0.0	0.0	17	14	15	12	23
17	3.7	0.0	0.0	0.0	0.0	0.0	0.0	13	13	14	14	23
18	7.6	0.0	0.0	0.0	0.0	0.0	0.0	12	14	15	15	19
19	20	0.0	0.0	0.0	0.0	0.0	0.0	22	17	12	16	7.1
20	21	0.0	0.0	0.0	0.0	0.0	0.0	25	15	11	16	4.7
21	20	0.0	0.0	0.0	0.0	0.0	0.0	20	17	11	14	11
22	15	0.0	0.0	0.0	0.0	0.0	0.0	30	16	9.7	17	11
23	0.16	0.0	0.0	0.0	0.0	0.0	0.0	38	17	10	27	11
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	17	9.7	24	11
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	12	10	18	11
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34	19	11	18	11
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	15	13	17	11
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	12	14	16	11
29	0.0	0.0	0.0	0.0	---	0.0	0.0	29	12	21	14	13
30	0.0	0.0	0.0	0.0	---	0.0	0.0	24	11	27	13	16
31	0.0	---	0.0	0.0	---	0.0	---	12	---	19	11	---
TOTAL	181.18	0.0	0.0	0.0	0.0	0.0	0.0	529.5	437	413.4	538.18	379.7
MEAN	5.84	0.0	0.0	0.0	0.0	0.0	0.0	17.1	14.6	13.3	17.4	12.7
AC-FT	359	0.0	0.0	0.0	0.0	0.0	0.0	1050	867	820	1070	753
MAX	21	0.0	0.0	0.0	0.0	0.0	0.0	38	20	27	30	23
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	8.5	0.0	4.7
CAL YR 1996 TOTAL		2573.29	MEAN	7.03	MAX	29	MIN	0.00	AC-FT	5100		
WTR YR 1997 TOTAL		2478.96	MEAN	6.79	MAX	38	MIN	0.00	AC-FT	4920		

MAX DISCH 46 CFS AT 0900 23-MAY-1997 GH 1.92 FT. SHIFT 0.04 FT. MAX GH 1.92 FT. AT 0900 23-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

GAGE.--Water-stage recorder and satellite telemetry. Elevation of gage datum 9,720 ft. from topographic map.

REMARKS.--Record is complete and reliable for the entire year. Station maintained and record developed by Div. II Staff.

RATING TABLE.--LFCBSLCO04 USED FROM 01-OCT-1996 TO 30-SEP-1997

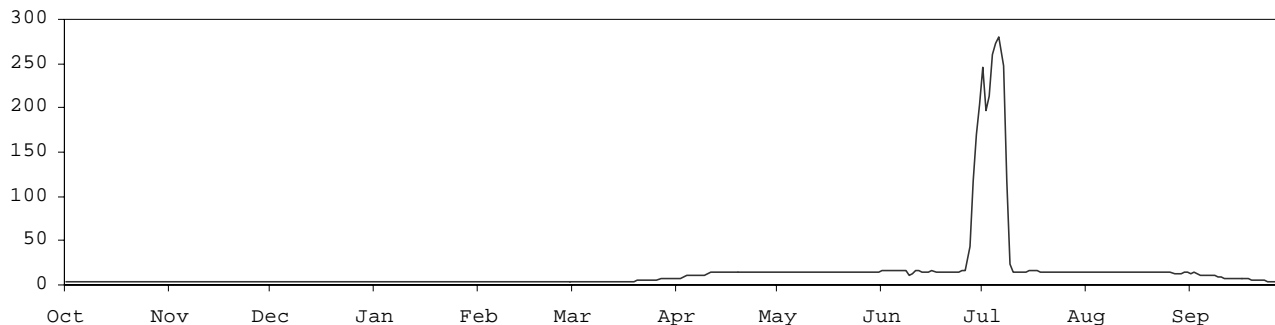
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	3.1	3.1	2.9	3.1	3.1	7.5	15	16	245	14	13
2	3.1	3.1	3.1	3.1	3.1	3.1	7.5	15	16	197	14	14
3	3.1	3.1	3.1	3.4	3.1	3.1	9.5	15	16	213	14	12
4	3.1	3.1	3.1	3.4	3.1	3.1	10	15	16	260	15	11
5	3.1	3.1	3.1	3.4	3.1	3.1	10	15	16	273	15	11
6	3.1	3.1	3.1	3.4	3.1	3.1	10	15	16	280	15	11
7	3.1	3.0	3.1	3.4	3.1	3.1	10	15	16	248	15	11
8	3.1	3.2	3.1	3.2	3.1	3.1	10	15	16	117	15	11
9	3.1	3.4	3.1	3.0	3.1	3.1	10	15	11	23	15	9.8
10	3.1	3.4	3.1	3.1	3.1	3.2	13	15	12	15	15	8.2
11	3.1	3.4	3.1	3.1	3.1	3.2	14	15	16	15	15	7.0
12	3.1	3.4	3.1	3.1	3.1	3.1	15	15	16	15	15	7.0
13	3.1	3.4	3.1	3.1	3.1	3.1	15	15	15	15	15	7.0
14	3.1	3.2	3.1	3.1	3.1	3.1	15	15	15	15	15	7.0
15	3.1	3.1	3.1	3.1	3.1	3.1	15	15	15	16	15	7.0
16	3.1	3.1	3.1	3.1	3.1	3.1	15	15	16	17	15	7.0
17	3.1	3.1	3.1	3.1	3.1	3.1	15	15	15	16	15	7.5
18	3.1	3.1	3.1	3.1	3.1	3.1	15	15	15	15	15	7.5
19	3.1	3.1	3.1	3.1	3.1	3.5	15	15	15	15	15	6.1
20	3.1	3.1	3.1	3.1	3.1	4.7	15	15	15	15	15	5.3
21	3.1	3.1	3.1	3.1	3.1	5.3	15	15	15	15	14	5.3
22	3.1	3.1	3.1	3.1	3.1	5.3	15	15	15	15	14	5.3
23	3.1	3.1	3.1	3.1	3.1	5.4	15	15	15	15	15	4.7
24	3.1	3.1	3.1	3.1	3.1	5.3	15	15	15	15	15	4.1
25	3.1	3.1	3.1	3.1	3.1	5.3	15	15	16	15	15	3.8
26	3.1	3.1	3.1	3.1	3.1	5.4	15	15	16	14	14	3.5
27	3.1	3.1	3.1	3.1	3.1	6.6	15	15	43	14	13	3.4
28	3.1	3.1	3.1	3.1	3.1	7.5	15	15	117	14	13	3.5
29	3.1	3.1	3.0	3.1	---	7.5	15	15	169	14	13	3.7
30	3.1	3.1	3.0	3.1	---	7.5	15	15	205	14	14	3.7
31	3.1	---	3.0	3.1	---	7.5	---	15	---	14	14	---
TOTAL	96.1	94.6	95.8	97.4	86.8	132.8	396.5	465	930	2184	451	221.4
MEAN	3.10	3.15	3.09	3.14	3.10	4.28	13.2	15.0	31.0	70.5	14.5	7.38
AC-FT	191	188	190	193	172	263	786	922	1840	4330	895	439
MAX	3.1	3.4	3.1	3.4	3.1	7.5	15	15	205	280	15	14
MIN	3.1	3.0	3.0	2.9	3.1	3.1	7.5	15	11	14	13	3.4

CAL YR 1996 TOTAL 14648.8 MEAN 40.0 MAX 394 MIN 1.7 AC-FT 29060
WTR YR 1997 TOTAL 5251.4 MEAN 14.4 MAX 280 MIN 2.9 AC-FT 10420

MAX DISCH 285 CFS AT 1215 06-JUL-1997 GH 1.72 FT. SHIFT 0.03 FT. MAX GH 1.72 FT. AT 1215 06-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07084500 LAKE CREEK ABOVE TWIN LAKES RESERVOIR, CO

LOCATION.--Lat 39°03'47", long 106°24'26", Lake County, Hydrologic Unit 11020001, on left bank 1.2 mi upstream from water line of Twin Lakes Reservoir at elevation 9,200 ft and 1.9 mi southwest of village of Twin Lakes.

DRAINAGE AREA AND PERIOD OF RECORD.--75 mi². April 1946 to Sept. 1962, Oct. 1963 to current year. Monthly data only for some periods.

GAGE.--Water-stage recorder and satellite telemetry. Elevation of gage is 9,310 ft. Prior to May 20, 1950, at site 190 ft downstream, at different datum. May 20, 1950, to Apr. 7, 1953, at site 10 ft upstream, at present datum.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 19, 1996-Apr. 1, 1997, when station was closed for the winter. Oct. 21, 30-31; Nov. 5, 1996; Apr. 18-19, 1997, when the stage-discharge relationship was ice affected. Oct. 22-24; Nov. 1-3, 6-18, 1996; Apr. 2-17, 1997 when float was frozen in ice, and at times the well was isolated. Record good except for periods of no gage-height record and of ice effect, which are poor. Record developed and station maintained by L.R. Schultz.

RATING TABLE.--LAKATLCO19 USED FROM 01-OCT-1996 TO 30-SEP-1997

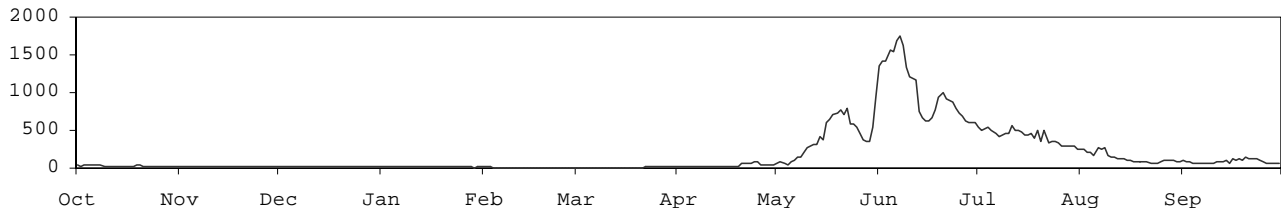
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	21	19	16	12	9.2	21	60	1360	542	254	100
2	31	21	19	16	11	9.2	20	84	1420	501	259	93
3	45	22	18	17	11	9.6	19	63	1410	514	213	83
4	38	23	17	16	10	9.2	20	47	1570	540	208	66
5	38	22	17	15	10	8.4	19	79	1540	503	177	66
6	35	22	18	14	9.8	8.6	19	111	1690	451	276	68
7	34	21	17	13	9.4	8.8	18	141	1740	422	240	72
8	32	20	17	13	9.1	9.0	19	153	1620	434	271	63
9	31	21	18	14	9.0	9.2	20	214	1340	468	164	60
10	30	22	19	14	8.6	9.4	21	277	1210	462	153	64
11	29	23	19	14	9.0	9.0	20	295	1180	570	153	78
12	29	24	18	13	9.8	9.4	19	303	1170	497	126	87
13	28	25	19	12	9.6	9.2	18	316	755	493	121	75
14	28	24	18	11	9.4	9.0	19	410	662	474	118	94
15	27	23	17	11	9.0	8.8	20	376	620	445	102	72
16	27	22	16	11	9.4	8.6	21	599	626	433	94	127
17	20	21	15	11	10	8.8	22	637	662	452	88	104
18	26	22	14	12	9.8	9.0	23	711	775	394	87	124
19	32	23	14	13	9.5	9.4	24	721	944	492	80	102
20	33	24	15	14	9.8	9.8	57	776	1000	364	77	138
21	20	24	16	14	9.6	10	67	713	927	509	74	122
22	22	23	15	13	9.4	11	60	785	886	335	70	120
23	24	23	15	14	9.3	12	59	579	867	358	68	120
24	26	22	14	14	9.0	14	88	589	797	352	68	110
25	25	22	14	13	8.8	14	87	539	731	341	86	75
26	25	21	15	13	9.0	15	49	453	689	294	100	71
27	25	21	15	12	9.2	17	46	379	631	292	108	72
28	22	20	14	11	9.4	18	52	350	594	295	108	67
29	22	21	14	10	---	19	51	355	602	284	101	65
30	21	20	15	11	---	18	47	546	598	285	88	69
31	21	---	15	11	---	20	---	949	---	243	93	---
TOTAL	878	663	506	406	268.9	349.6	1045	12610	30616	13039	4225	2627
MEAN	28.3	22.1	16.3	13.1	9.60	11.3	34.8	407	1021	421	136	87.6
AC-FT	1740	1320	1000	805	533	693	2070	25010	60730	25860	8380	5210
MAX	45	25	19	17	12	20	88	949	1740	570	276	138
MIN	20	20	14	10	8.6	8.4	18	47	594	243	68	60

CAL YR 1996 TOTAL 55536.1 MEAN 152 MAX 1380 MIN 8.3 AC-FT 110200
WTR YR 1997 TOTAL 67233.5 MEAN 184 MAX 1740 MIN 8.4 AC-FT 133400

MAX DISCH 1954 CFS AT 2030 04-JUN-1997 GH 4.43 FT. SHIFT 0.11 FT. MAX GH 4.43 FT. AT 2030 04-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO

LOCATION.--Lat 39°04'34", long 106°18'35", in NE¼SE¼, sec. 22, T.11 S., R. 80 W., Lake County, on left bank 2.4 miles upstream from junction of Lake Creek and Arkansas River.

GAGE.--Water-stage recorder in poured concrete shelter and well with satellite monitored data collection platform and concrete flume. Datum of gage is 9,200 ft. above mean sea level.

REMARKS.--Record is complete and reliable the entire year. Record good. Station maintained and record developed by Div. II Staff.

RATING TABLE.--LAKBTLCO07 USED FROM 01-OCT-1996 TO 1-JUN-1997

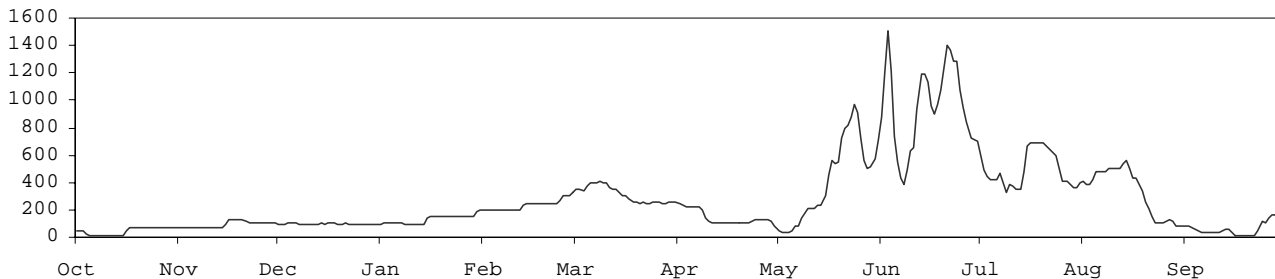
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	70	99	97	195	349	245	51	878	598	407	85
2	41	70	99	101	196	345	229	33	1200	490	391	85
3	41	69	99	102	193	343	222	33	1510	438	391	70
4	26	69	101	102	199	375	221	33	1220	416	419	57
5	14	70	101	102	200	401	224	51	738	418	479	46
6	14	70	100	102	200	395	226	76	553	419	480	39
7	14	70	99	100	201	398	225	76	435	471	480	38
8	14	70	99	97	199	404	199	137	385	402	481	38
9	15	69	99	97	199	399	135	181	487	329	499	38
10	15	69	99	98	199	394	116	207	631	387	503	39
11	15	69	99	99	198	358	102	207	657	379	503	40
12	16	70	99	98	197	348	102	208	933	345	504	49
13	16	70	99	99	228	347	102	237	1190	346	533	63
14	16	70	100	98	250	332	102	234	1190	476	563	63
15	16	98	99	140	250	305	101	306	1130	664	506	34
16	43	126	100	154	249	307	102	451	962	690	434	15
17	74	125	101	153	248	277	100	565	895	690	434	15
18	71	125	100	153	245	255	102	535	975	691	388	15
19	70	125	99	153	246	252	102	551	1080	686	334	15
20	70	125	99	153	248	251	104	724	1240	690	254	16
21	70	111	100	153	249	253	102	790	1400	671	209	16
22	70	102	99	149	250	251	102	823	1370	637	154	16
23	70	102	99	146	249	251	119	877	1290	615	104	51
24	70	101	99	149	268	252	126	971	1290	591	104	112
25	70	101	99	149	306	252	126	906	1080	500	104	106
26	70	101	98	149	303	253	127	727	946	405	114	139
27	70	101	97	149	300	249	130	565	839	404	128	164
28	70	101	97	149	327	251	128	499	722	380	112	164
29	70	101	97	149	---	254	111	519	710	358	84	113
30	70	101	97	188	---	254	81	573	705	358	84	45
31	70	---	98	197	---	254	---	709	---	392	85	---
TOTAL	1412	2721	3070	4025	6592	9609	4213	12855	28641	15336	10265	1786
MEAN	45.5	90.7	99.0	130	235	310	140	415	955	495	331	59.5
AC-FT	2800	5400	6090	7980	13080	19060	8360	25500	56810	30420	20360	3540
MAX	74	126	101	197	327	404	245	971	1510	691	563	164
MIN	14	69	97	97	193	249	81	33	385	329	84	15

CAL YR 1996 TOTAL 83323 MEAN 228 MAX 1600 MIN 10 AC-FT 165300
WTR YR 1997 TOTAL 100525 MEAN 275 MAX 1510 MIN 14 AC-FT 199400

MAX DISCH 1575 CFS AT 0015 03-JUN-1997 GH 5.19 FT. SHIFT 0.00 FT. MAX GH 5.20 FT. AT 1545 02-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07086000 ARKANSAS RIVER AT GRANITE, CO

LOCATION.--Lat 39°02'34", long 106°15'55", in SE¼SW¼ sec. 31, T.11 S., R.79 W., Chaffee County, Hydrologic Unit 11020001, on right bank at Granite, 100 ft east of U.S. Highway 24, 100 ft downstream from county bridge, and 200 ft upstream from Cache Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--427 mi². Sporadic data from April 1895 to May 1901. Complete data from April 1910 to current year. Monthly data for some periods only.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,914.86 ft above National Geodetic Vertical Datum of 1929, supplementary adjustment of 1960. Prior to Apr. 6, 1910, non-recording gages near present site at different datum's. Apr. 6, 1910, to Oct. 25, 1917, water-stage recorder or non-recording gage at site 832 ft upstream, at different datum. Oct. 26, 1917, to Oct. 26, 1960, water-stage recorder at site 168 ft downstream, at present datum.

REMARKS.--Record complete and reliable except for the following periods: Dec. 1, 9, 13, 17-20, 24-25, 29-30, 1996; Jan. 1-2, 30; Feb. 24-25, 1997, when stage-discharge relationship was affected by ice. June 5, 18, 1997 when satellite monitoring equipment malfunctioned. Record good except that for periods of no gage-height record or ice effect, which is poor. Station maintained and record developed by L.R. Schultz.

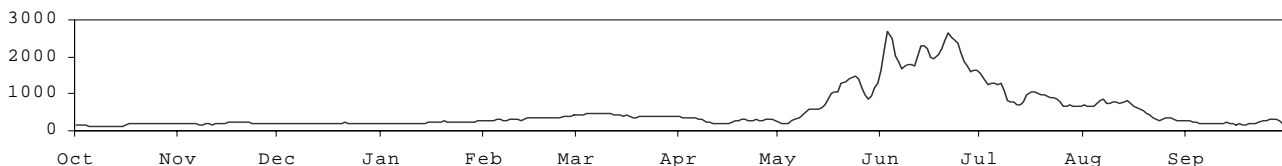
RATING TABLE.--ARKGRNC011 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	188	190	191	282	440	377	230	1620	1570	688	279
2	159	181	194	195	278	430	352	197	2200	1370	669	270
3	170	182	194	199	278	435	338	190	2670	1250	648	251
4	164	190	191	195	282	453	344	201	2490	1280	655	234
5	129	186	191	190	294	485	336	262	2040	1280	749	210
6	121	182	194	190	294	475	334	331	1880	1250	806	197
7	119	167	197	184	281	481	329	370	1680	1270	850	204
8	120	173	204	188	286	486	309	426	1750	1080	757	192
9	119	176	202	190	302	486	242	514	1780	831	750	182
10	118	176	210	193	294	476	218	578	1790	789	774	182
11	117	174	207	192	294	450	204	587	1750	781	768	188
12	114	177	207	190	286	441	200	577	2040	718	744	207
13	114	176	204	189	318	448	197	595	2310	695	762	218
14	111	182	197	190	350	429	191	610	2280	778	808	214
15	113	206	200	232	346	407	201	690	2220	985	738	185
16	142	235	207	244	338	418	212	850	2000	1050	648	170
17	187	231	195	248	342	391	238	1010	1930	1050	636	179
18	185	240	190	250	342	365	262	1050	2080	1020	594	170
19	197	245	188	252	333	369	279	1070	2210	988	545	170
20	197	243	190	254	342	386	293	1290	2460	987	465	176
21	180	223	249	252	342	399	315	1330	2630	938	413	185
22	177	215	214	250	350	397	284	1420	2540	891	360	189
23	187	212	200	247	346	396	288	1430	2460	894	298	215
24	188	203	197	250	360	394	297	1490	2370	870	286	281
25	185	201	199	249	397	377	284	1420	2100	783	295	269
26	185	200	194	249	394	374	291	1180	1870	673	338	294
27	185	201	194	249	390	379	300	980	1740	681	344	324
28	189	197	194	240	417	377	320	863	1610	702	326	318
29	194	197	195	230	---	387	305	925	1620	677	276	271
30	185	200	193	268	---	371	260	1150	1640	660	270	193
31	187	---	191	280	---	372	---	1290	---	680	280	---
TOTAL	4902	5959	6172	6920	9158	12974	8400	25106	61760	29471	17540	6617
MEAN	158	199	199	223	327	419	280	810	2059	951	566	221
AC-FT	9720	11820	12240	13730	18160	25730	16660	49800	122500	58460	34790	13120
MAX	197	245	249	280	417	486	377	1490	2670	1570	850	324
MIN	111	167	188	184	278	365	191	190	1610	660	270	170
CAL YR 1996 TOTAL		184599	MEAN	504	MAX	3040	MIN	84	AC-FT	366200		
WTR YR 1997 TOTAL		194979	MEAN	534	MAX	2670	MIN	111	AC-FT	386700		

MAX DISCH 2780 CFS AT 1145 04-JUN-1997 GH 5.74 FT. SHIFT 0.06 FT. MAX GH 5.74 FT. AT 1145 04-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07086500 CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO

LOCATION.--Lat 39°01'05", long 106°16'38", in SE¼ sec. 12, T,12 S., R.80 W., Chaffee County, Hydrologic Unit 11020001, on right bank 0.5 mi upstream from water line of Clear Creek Reservoir at elevation 8,875 ft, 1.5 mi downstream from unnamed tributary, and 1.9 mi southwest of Granite.

DRAINAGE AREA.--67.1 mi².

GAGE.--Water-stage recorder in a 42-inch diameter metal pipe shelter and well. Float-tape index installed Jul. 29, 1993.

REMARKS.--Record is complete and reliable except for the following periods: October 22, November 2, 7, 8, 10, 11, 16, 17, 24-30, 1996, March 25, 30, 31, April 6, 7, 11-14, 1997, when record was affected by ice. November 18, 19, 1996, when shaft encoder was set incorrectly. December 1, 1996 to March 19, 1997 when station was shut down for winter. Record good, except that for periods of no gage-height record and ice effect, which is poor. Station maintained and record developed by L.R. Schultz.

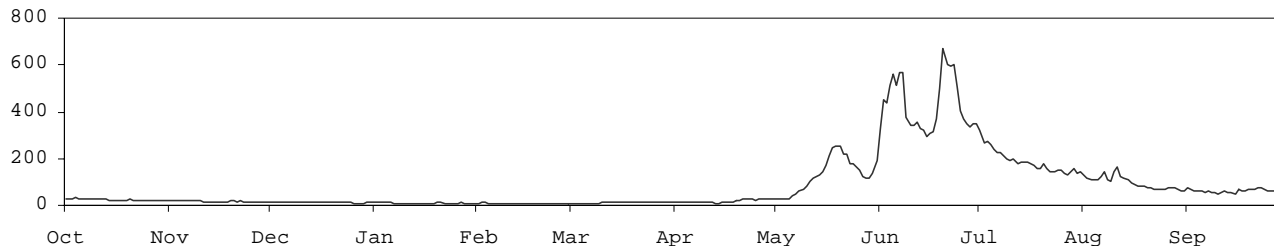
RATING TABLE.--CCACCRC014 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	19	14	12	10	9.2	15	28	330	319	130	74
2	28	18	14	12	11	9.3	14	26	452	270	118	69
3	30	20	14	12	11	9.4	13	26	438	275	111	64
4	31	20	14	12	10	9.5	14	27	512	260	112	64
5	28	19	13	12	10	9.3	13	30	558	241	110	61
6	28	20	14	11	10	9.0	13	38	514	228	125	58
7	27	19	14	10	10	9.2	12	49	566	223	144	60
8	26	18	14	10	9.8	9.6	13	60	567	212	111	56
9	25	19	15	10	9.6	10	13	70	379	195	104	54
10	24	19	16	10	9.5	11	12	84	342	193	144	51
11	24	17	16	10	9.5	12	12	102	343	201	164	54
12	24	17	16	10	9.5	12	11	117	357	178	125	59
13	24	17	16	10	9.7	12	10	121	326	183	113	54
14	23	17	16	10	9.7	12	10	133	318	183	108	53
15	23	17	15	10	9.5	11	12	144	294	186	97	51
16	23	17	14	10	9.5	11	12	174	306	179	91	67
17	23	16	13	10	9.4	11	14	211	316	172	85	60
18	21	17	12	10	9.4	11	16	246	370	160	85	64
19	23	18	12	10	9.3	12	20	251	502	158	80	69
20	24	19	13	11	9.3	14	23	253	667	176	77	70
21	20	17	13	11	9.4	15	28	219	605	155	75	71
22	19	18	14	10	9.3	15	26	217	595	146	71	76
23	22	17	13	10	9.1	15	27	179	600	146	67	75
24	22	16	12	10	9.0	16	26	178	508	153	65	68
25	23	15	11	10	8.9	14	23	163	404	148	67	64
26	22	15	10	10	8.8	13	27	148	372	137	77	61
27	23	15	10	11	9.0	14	27	126	350	133	75	61
28	23	15	10	10	9.1	14	30	115	333	144	73	59
29	22	14	10	10	---	15	30	117	347	158	66	56
30	20	14	11	10	---	13	28	138	346	140	61	53
31	20	---	11	10	---	14	---	189	---	142	63	---
TOTAL	743	519	410	324	268.3	371.5	544	3979	12917	5794	2994	1856
MEAN	24.0	17.3	13.2	10.5	9.58	12.0	18.1	128	431	187	96.6	61.9
AC-FT	1470	1030	813	643	532	737	1080	7890	25620	11490	5940	3680
MAX	31	20	16	12	11	16	30	253	667	319	164	76
MIN	19	14	10	10	8.8	9.0	10	26	294	133	61	51
CAL YR 1996 TOTAL		26337	MEAN	72.0	MAX	536	MIN	10	AC-FT	52240		
WTR YR 1997 TOTAL		30719.8	MEAN	84.2	MAX	667	MIN	8.8	AC-FT	60930		

MAX DISCH 810 CFS AT 0015 20-JUN-1997 GH 4.94 FT. SHIFT -0.05 FT. MAX GH 4.94 FT. AT 0015 20-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO

LOCATION.--Lat 39°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

DRAINAGE AREA.--N/A

GAGE.--Graphic water stage recorder with satellite telemetry in a concrete well and frame shelter.

REMARKS.--Record is complete and reliable. Record good. Station maintained and record developed by Div. II Staff.

RATING TABLE.--CCBCCRCO04 USED FROM 01-OCT-1996 TO 30-SEP-1997

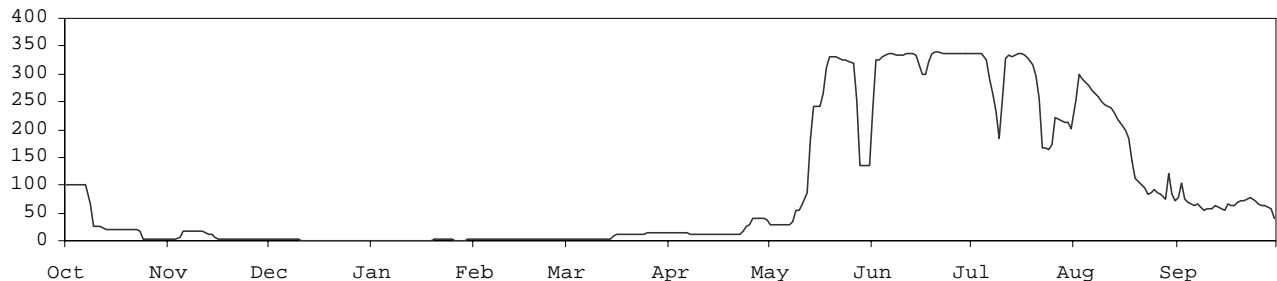
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	1.8	1.5	1.4	1.6	1.6	15	29	237	336	253	78
2	101	1.8	1.6	1.4	1.6	1.6	15	28	324	338	298	104
3	101	1.8	1.6	1.4	1.5	1.6	15	28	326	336	291	75
4	101	7.0	1.6	1.4	1.5	1.6	15	28	331	336	285	70
5	101	17	1.6	1.4	1.5	1.6	15	28	334	326	278	66
6	101	17	1.6	1.4	1.5	1.6	15	28	336	291	270	63
7	100	17	1.6	1.3	1.5	1.6	12	28	338	264	266	65
8	66	17	1.6	1.3	1.5	1.6	11	34	334	233	260	61
9	27	17	1.6	1.3	1.5	1.6	11	55	334	184	251	56
10	27	17	1.5	1.3	1.5	1.7	11	55	334	254	245	57
11	27	17	1.4	1.3	1.5	1.7	11	67	336	329	241	57
12	23	14	1.4	1.3	1.5	1.7	11	86	336	334	239	62
13	21	12	1.4	1.3	1.5	1.8	11	182	336	331	229	59
14	21	12	1.4	1.3	1.5	1.8	11	241	334	334	220	57
15	21	5.0	1.4	1.3	1.5	9.5	11	241	317	338	208	54
16	21	1.7	1.4	1.3	1.5	12	11	243	300	336	198	66
17	21	1.7	1.4	1.3	1.5	12	11	264	299	334	184	64
18	21	1.7	1.4	1.3	1.5	12	11	310	322	329	144	63
19	21	1.5	1.4	1.4	1.5	12	11	331	336	317	113	70
20	21	1.5	1.4	1.5	1.5	12	11	331	341	296	106	71
21	20	1.5	1.4	1.5	1.5	12	11	331	341	255	101	72
22	20	1.6	1.4	1.5	1.6	12	11	329	338	166	96	75
23	16	1.6	1.4	1.5	1.6	12	17	326	338	166	83	77
24	2.0	1.5	1.4	1.6	1.6	12	25	324	338	163	85	71
25	1.8	1.5	1.4	1.6	1.6	14	30	322	338	173	91	65
26	1.8	1.5	1.4	1.4	1.6	14	41	319	338	223	85	62
27	1.8	1.5	1.4	1.4	1.6	14	41	253	338	220	84	62
28	1.8	1.5	1.4	1.4	1.6	14	41	136	336	217	75	60
29	1.8	1.5	1.4	1.4	---	14	41	136	336	213	122	58
30	1.8	1.5	1.4	1.5	---	14	38	136	336	213	83	40
31	1.8	---	1.4	1.5	---	14	---	136	---	202	71	---
TOTAL	1114.6	197.7	45.2	43.2	42.9	238.6	541	5385	9862	8387	5555	1960
MEAN	36.0	6.59	1.46	1.39	1.53	7.70	18.0	174	329	271	179	65.3
AC-FT	2210	392	90	86	85	473	1070	10680	19560	16640	11020	3890
MAX	101	17	1.6	1.6	1.6	14	41	331	341	338	298	104
MIN	1.8	1.5	1.4	1.3	1.5	1.6	11	28	237	163	71	40

CAL YR 1996 TOTAL 25444.2 MEAN 69.5 MAX 370 MIN 1.2 AC-FT 50470
WTR YR 1997 TOTAL 33372.2 MEAN 91.4 MAX 341 MIN 1.3 AC-FT 66190

MAX DISCH 375 CFS AT 20-JUN-1997 GH 3.16 FT. SHIFT 9877.00 FT. MAX GH 3.16 FT. AT 20-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07115000 COTTONWOOD CREEK AT BUENA VISTA, CO

LOCATION.--Lat 38°50'04", long 106°07'20", in NW¼NW¼NW¼, sec. 16, T.14 S., R. 78 W., in Chaffee County, on left bank, about 1500 ft. upstream from Arkansas River, and 1200 ft. upstream from bridge at Buena Vista High School.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage 7930 ft. from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: November 15, 18, 28-29, December 1, 3-5, 15, 17-19, 1996, January 5-7, 9, 13, 16, 17, 22, 24, 25, 28, 30, February 4, 7-11, 14, 15, 21, 22, March 1, 2, 5-7, 25, 26, 28, 30, April 6, 7, 10, 12-14, 1997, when ice affected stage readings. Record good, except that for periods of ice effect, which is fair. Station maintained and record developed by Div. II personnel.

RATING TABLE.--COCRBVCO04 USED FROM 01-OCT-1996 TO 30-SEP-1997

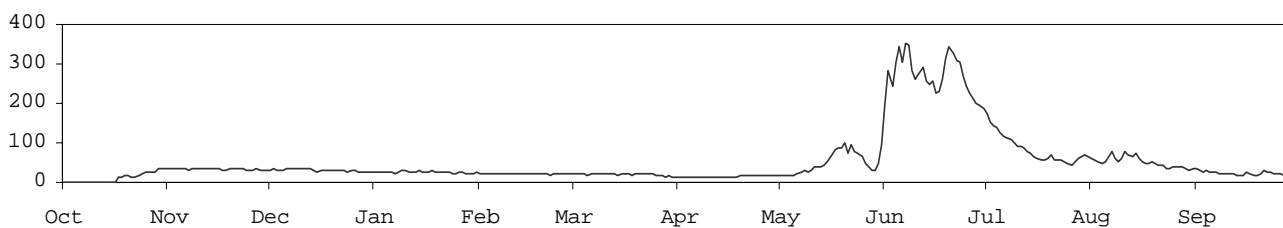
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.89	35	30	27	23	20	13	19	196	172	60	33
2	0.57	34	33	27	22	20	15	17	282	153	55	31
3	0.66	35	29	28	22	21	14	16	244	144	51	26
4	1.1	35	31	26	22	21	15	16	303	137	49	29
5	0.58	34	32	24	22	19	14	16	345	128	52	26
6	0.55	34	36	24	22	20	12	21	305	118	65	24
7	0.55	32	34	23	22	20	13	25	354	112	78	25
8	0.52	33	33	28	20	21	14	29	346	108	59	22
9	0.60	34	33	29	21	21	14	28	281	100	51	20
10	0.70	34	34	30	21	21	13	32	260	91	63	21
11	0.70	34	34	28	22	21	14	40	276	93	77	21
12	0.70	33	33	25	21	21	15	39	293	87	68	20
13	0.70	34	33	28	21	21	15	38	258	79	64	19
14	0.70	34	31	30	20	19	15	45	248	73	74	19
15	0.68	33	28	28	21	20	15	51	256	67	60	18
16	0.66	36	32	27	20	20	15	69	225	61	52	26
17	11	32	32	27	20	20	14	82	230	56	49	21
18	15	31	30	29	21	19	15	88	259	56	50	19
19	17	35	31	28	22	20	16	89	314	62	51	18
20	16	35	29	26	23	21	17	98	344	70	46	21
21	15	34	32	24	22	23	18	76	326	58	44	32
22	15	35	32	24	19	22	16	95	309	58	43	26
23	18	35	32	24	23	20	16	80	305	57	36	25
24	20	32	28	23	22	20	18	75	271	52	35	23
25	24	32	29	23	23	18	16	65	243	47	37	21
26	25	31	29	24	22	17	17	50	224	45	41	20
27	27	33	27	24	21	16	18	37	212	51	38	19
28	28	30	28	22	21	15	19	31	202	61	37	17
29	33	30	27	23	---	16	19	31	195	67	33	17
30	36	32	27	23	---	13	19	48	185	68	31	16
31	35	---	27	24	---	15	---	94	---	65	33	---
TOTAL	345.87	1001	956	800	601	601	464	1540	8091	2596	1582	675
MEAN	11.2	33.4	30.8	25.8	21.5	19.4	15.5	49.7	270	83.7	51.0	22.5
AC-FT	686	1990	1900	1590	1190	1190	920	3050	16050	5150	3140	1340
MAX	36	36	36	30	23	23	19	98	354	172	78	33
MIN	0.52	30	27	22	19	13	12	16	185	45	31	16

CAL YR 1996 TOTAL 13036.78 MEAN 35.6 MAX 218 MIN 0.50 AC-FT 25860
WTR YR 1997 TOTAL 19252.87 MEAN 52.7 MAX 354 MIN 0.52 AC-FT 38190

MAX DISCH 392 CFS AT 0315 05-JUN-1997 GH 4.13 FT. SHIFT 0.02 FT. MAX GH 4.13 FT. AT 0315 05-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07091000 CHALK CREEK AT NATHROP, CO

LOCATION.--Lat 38°44'30", long 106°04'57", in SW¼SE¼NE¼SW¼ sec. 14, T.15 S., R.78 W., Chaffee County, on left bank, 640' north of the Junction of Co. Hwy. 162 and U.S. 285 on the frontage rd. parallel to U.S. 285, ¼ mi. south of Nathrop, Co., and 1 mi. west of the confluence of Chalk Creek and the Arkansas River.

DRAINAGE AREA.--N\A

GAGE.--Water-stage recorder with satellite telemetry at a low concrete dam control. Elevation of gage 7660' from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: December 17-20 1996, January 7, 12, 13, 16, 17, 1997, when ice affected stage readings. Record good, except that for periods of ice effect, which is poor. Station maintained and record developed by Div. II Staff.

RATING TABLE.--CHCRNACO06 USED FROM 01-OCT-1996 TO 30-SEP-1997

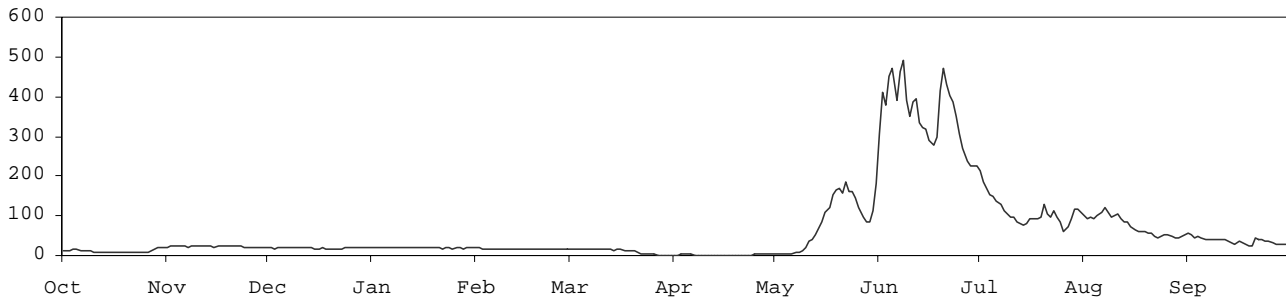
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	22	19	19	19	16	1.3	4.8	308	214	99	56
2	12	23	19	19	19	16	1.7	4.6	409	187	94	52
3	13	23	18	20	17	16	2.1	3.8	380	169	98	46
4	16	23	19	19	17	15	2.8	3.6	450	155	91	47
5	15	23	20	19	17	15	2.6	3.7	472	148	102	45
6	14	24	20	20	18	15	2.1	3.9	392	137	108	42
7	13	21	19	19	17	16	2.0	6.9	464	129	122	42
8	11	23	19	20	17	16	1.4	9.9	492	113	110	40
9	11	26	20	20	17	16	1.4	13	389	105	98	39
10	10	26	20	20	17	16	1.2	20	351	96	101	39
11	9.5	26	19	19	17	16	1.2	35	386	96	105	39
12	8.7	26	21	20	17	16	1.1	39	394	85	91	39
13	9.6	25	21	20	17	16	1.0	51	335	80	84	37
14	9.6	23	20	20	17	14	1.0	68	324	76	86	34
15	7.6	22	17	20	17	15	1.1	83	318	80	73	30
16	8.6	23	18	20	17	15	1.2	109	291	94	64	38
17	9.2	25	19	19	17	14	1.2	120	277	93	60	32
18	8.3	25	18	20	17	12	1.2	155	299	92	62	30
19	9.7	26	17	20	17	13	1.5	164	414	98	61	24
20	9.5	25	17	20	17	13	1.6	170	470	128	58	23
21	8.4	24	18	19	17	10	1.6	158	430	103	55	45
22	7.2	25	18	18	17	5.2	1.6	186	404	96	49	41
23	9.2	24	18	19	17	5.8	1.2	161	386	113	45	40
24	9.2	22	19	19	16	3.9	1.7	161	350	98	48	38
25	9.6	21	20	18	16	4.1	2.2	144	305	85	53	35
26	9.8	22	21	19	16	3.4	2.9	119	270	62	53	32
27	13	22	21	19	16	1.6	4.1	98	239	73	50	30
28	16	20	21	18	16	0.89	4.2	86	227	91	45	29
29	19	19	21	19	---	0.81	5.0	83	226	118	44	28
30	20	19	20	19	---	0.75	4.7	111	224	116	47	27
31	22	---	19	19	---	0.92	---	181	---	108	52	---
TOTAL	361.7	698	596	599	476	338.37	59.9	2556.2	10676	3438	2308	1119
MEAN	11.7	23.3	19.2	19.3	17.0	10.9	2.00	82.5	356	111	74.5	37.3
AC-FT	717	1380	1180	1190	944	671	119	5070	21180	6820	4580	2220
MAX	22	26	21	20	19	16	5.0	186	492	214	122	56
MIN	7.2	19	17	18	16	0.75	1.0	3.6	224	62	44	23

CAL YR 1996 TOTAL 14981.2 MEAN 40.9 MAX 314 MIN 1.0 AC-FT 29720
WTR YR 1997 TOTAL 23226.17 MEAN 63.6 MAX 492 MIN 0.75 AC-FT 46070

MAX DISCH 584 CFS AT 0345 05-JUN-1997 GH 5.55 FT. SHIFT -0.19 FT. MAX GH 5.55 FT. AT 0345 05-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

DRAINAGE AREA.--1,218 mi².

GAGE.--Water-stage recorder with satellite telemetry in 36 in. metal shelter and well. Datum of gage is 7,050.45 ft.

REMARKS.--Record complete and reliable for the entire year. Record is good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--ARKSALCO27 USED FROM 01-OCT-1996 TO 30-SEP-1997

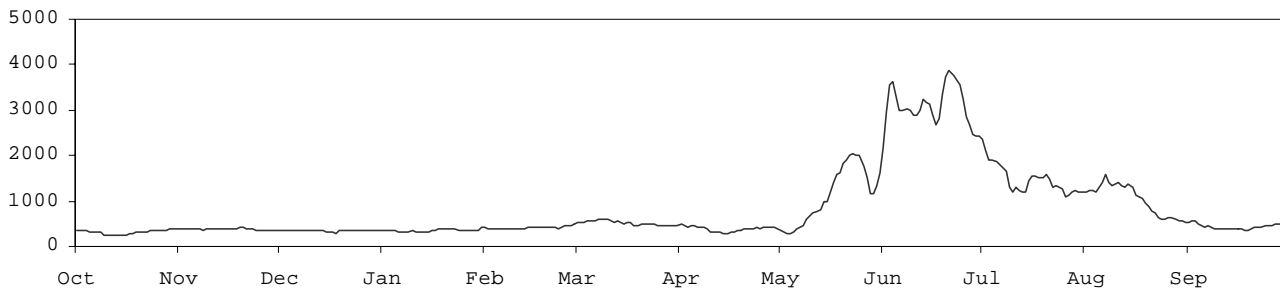
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	337	385	346	353	409	531	477	362	2180	2370	1210	545
2	335	381	346	351	403	530	475	312	2960	2120	1250	548
3	338	377	346	367	396	541	439	289	3540	1910	1230	546
4	359	378	343	356	392	546	459	283	3610	1890	1190	489
5	331	386	343	337	396	580	444	306	3310	1870	1290	465
6	317	389	364	329	400	579	419	376	2990	1790	1400	439
7	313	373	350	321	397	588	422	426	3000	1720	1570	443
8	303	367	352	332	377	603	425	461	3030	1670	1410	422
9	258	388	357	329	378	582	384	586	2990	1310	1340	396
10	251	384	368	338	381	587	328	675	2880	1190	1360	395
11	246	377	365	333	382	580	311	743	2880	1310	1410	393
12	243	376	364	318	385	543	302	771	2990	1240	1340	393
13	243	378	357	327	388	547	304	801	3230	1210	1310	401
14	247	374	357	333	422	543	298	970	3180	1180	1380	401
15	249	375	321	330	417	505	297	995	3120	1430	1320	391
16	259	401	329	353	430	516	302	1180	2890	1540	1140	375
17	290	396	314	364	429	525	313	1420	2670	1550	1100	377
18	296	402	295	376	433	468	338	1580	2830	1530	1070	363
19	309	415	337	396	434	465	356	1630	3360	1500	937	358
20	320	412	343	400	429	478	370	1820	3740	1570	892	370
21	316	404	361	389	433	500	388	1900	3860	1490	776	417
22	313	385	357	380	406	494	387	1990	3780	1310	747	422
23	338	372	357	380	402	489	378	2050	3660	1350	628	423
24	343	367	338	363	411	490	430	2020	3540	1310	591	463
25	357	356	335	360	455	469	396	2020	3240	1260	606	466
26	354	358	359	367	462	463	417	1770	2840	1100	629	454
27	362	363	359	369	474	465	419	1520	2670	1120	635	504
28	368	340	364	357	486	459	427	1150	2450	1210	604	500
29	380	341	352	357	---	473	433	1150	2430	1220	560	492
30	384	354	352	364	---	454	396	1350	2440	1200	557	410
31	385	---	354	410	---	463	---	1630	---	1180	544	---
TOTAL	9744	11354	10785	11039	11607	16056	11534	34536	92290	45650	32026	13061
MEAN	314	378	348	356	415	518	384	1114	3076	1473	1033	435
AC-FT	19330	22520	21390	21900	23020	31850	22880	68500	183100	90550	63520	25910
MAX	385	415	368	410	486	603	477	2050	3860	2370	1570	548
MIN	243	340	295	318	377	454	297	283	2180	1100	544	358

CAL YR 1996 TOTAL 265742 MEAN 726 MAX 4090 MIN 230 AC-FT 527100
WTR YR 1997 TOTAL 299682 MEAN 821 MAX 3860 MIN 243 AC-FT 594400

MAX DISCH 3950 CFS AT 0600 21-JUN-1997 GH 4.50 FT. SHIFT -0.01 FT. MAX GH 4.50 FT. AT 0600 21-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07093700 ARKANSAS RIVER NEAR WELLSVILLE, CO

LOCATION.--Lat 38°30'10", long 105°56'21", in SW¼NE¼ sec. 14, T.49 N., R.9 E., Chaffee County, Hydrologic Unit 11020001, on right bank 50 ft upstream from Chaffee-Fremont County line, 2.0 mi northwest of Wellsville, 2.8 mi downstream from South Arkansas River, and 3.5 mi southeast of Salida.

DRAINAGE AREA AND PERIOD OF RECORD.--1,485 mi². April 1961 to current year.

GAGE.--Water-stage recorder (manometer activated) with satellite telemetry with supplemental outside gage. DCP data is the primary source of record. Datum of gage is 6,883.4 ft above National Geodetic Vertical Datum of 1929 (river-profile survey).

REMARKS.--Record is complete and reliable except for the following periods: Dec. 17-20, 1996; Jan. 7, 9, 11-13, 1997 when manometer line leaked. Aug. 7-10, 13-18, 1997 when manometer malfunctioned. Record good, except that for periods of missing stage data which is poor. Station maintained and record developed by L.R. Schultz.

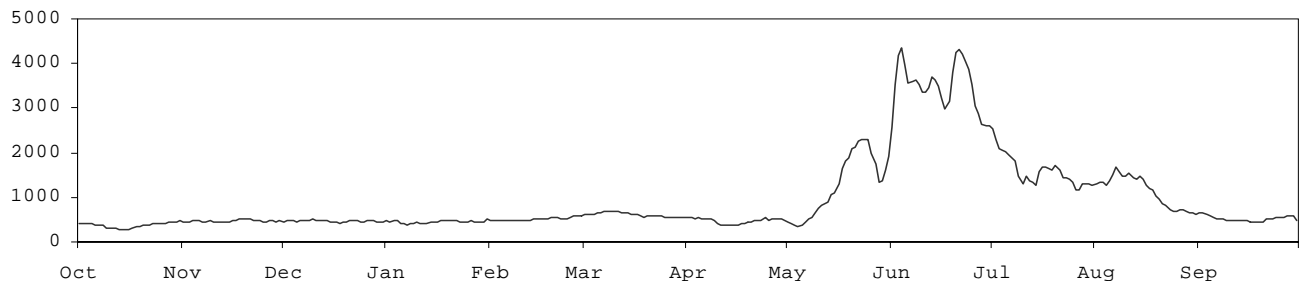
RATING TABLE.--ARKWELCO06 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	400	455	462	464	494	613	548	449	2560	2540	1300	638
2	396	458	465	457	493	622	555	400	3540	2300	1340	642
3	399	452	463	472	478	618	522	368	4190	2090	1320	632
4	419	464	465	467	478	626	544	356	4350	2050	1280	573
5	394	468	457	413	489	657	529	380	3960	2020	1380	551
6	376	464	481	421	495	667	499	461	3560	1960	1510	521
7	370	458	487	390	491	669	500	520	3600	1880	1680	530
8	367	443	478	427	472	686	501	549	3620	1830	1590	507
9	320	466	481	410	463	682	465	664	3520	1460	1470	483
10	305	461	497	438	468	682	403	758	3340	1310	1480	479
11	302	457	495	420	476	681	390	818	3360	1470	1540	476
12	296	454	491	400	477	650	380	842	3460	1370	1450	477
13	287	456	488	420	478	650	375	874	3710	1320	1410	486
14	288	453	489	436	507	647	370	1050	3630	1280	1470	489
15	284	455	442	432	519	611	369	1090	3510	1560	1400	477
16	286	489	461	447	530	617	378	1310	3210	1680	1260	459
17	323	495	435	464	521	622	394	1630	2980	1680	1190	459
18	338	499	420	488	529	568	421	1820	3140	1660	1150	443
19	359	514	458	496	537	561	439	1890	3800	1620	1030	440
20	371	513	460	483	533	574	454	2100	4240	1700	976	458
21	371	507	473	476	541	593	475	2140	4310	1620	862	526
22	368	490	479	472	514	588	482	2270	4200	1440	836	529
23	395	482	478	461	530	579	469	2310	4050	1450	724	529
24	401	480	456	459	529	573	532	2300	3860	1400	686	558
25	417	462	460	456	557	553	494	2300	3540	1330	693	560
26	421	459	474	463	587	550	506	2000	3060	1160	710	544
27	425	473	483	462	580	547	507	1760	2890	1180	716	580
28	440	467	474	457	576	539	514	1350	2650	1290	694	579
29	456	461	462	448	---	555	520	1360	2600	1310	647	568
30	460	469	456	451	---	533	491	1610	2590	1300	646	490
31	464	---	456	502	---	538	---	1910	---	1270	629	---
TOTAL	11498	14124	14526	13952	14342	18851	14026	39639	105030	49530	35069	15683
MEAN	371	471	469	450	512	608	468	1279	3501	1598	1131	523
AC-FT	22810	28010	28810	27670	28450	37390	27820	78620	208300	98240	69560	31110
MAX	464	514	497	502	587	686	555	2310	4350	2540	1680	642
MIN	284	443	420	390	463	533	369	356	2560	1160	629	440
CAL YR 1996 TOTAL		300159	MEAN	820	MAX	4200	MIN	284	AC-FT	595400		
WTR YR 1997 TOTAL		346270	MEAN	949	MAX	4350	MIN	284	AC-FT	686800		

MAX DISCH 4567 CFS AT 0645 04-JUN-1997 GH 7.54 FT. SHIFT -0.01 FT. MAX GH 7.54 FT. AT 0645 04-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07095000 GRAPE CREEK NEAR WESTCLIFFE, CO

LOCATION.--Lat 38°11'10", long 105°28'59", in NW¼NW¼ sec. 31, T.21 S., R.72 W., Custer County, Hydrologic Unit 110200001, on left bank 0.5 mi upstream from water line of De Weese Reservoir at elevation 7,665 ft, 0.5 mi downstream from Swift Creek, and 3.6 mi northwest of Westcliffe.

DRAINAGE AREA.--320 mi².

GAGE.--Water-stage recorder with satellite telemetry in 48" corrugated pipe shelter. DCP data is the primary source of record. Elevation of gage is 7,690 ft, from topographic map. Prior to Mar, 17, 1939, at site 30 ft upstream at present datum.

REMARKS.--Record is complete and reliable except for the following periods: October 27-31, November 1-8, 16-30, December 1-31, 1996, January 1-31, February 1-28, March 14-16, 25, 26, April 3, 4, 9-14, 1997 when stage discharge relationship was affected by ice. Record good, except for periods of ice effect, which is poor. Station maintained and record developed by Div. II Staff.

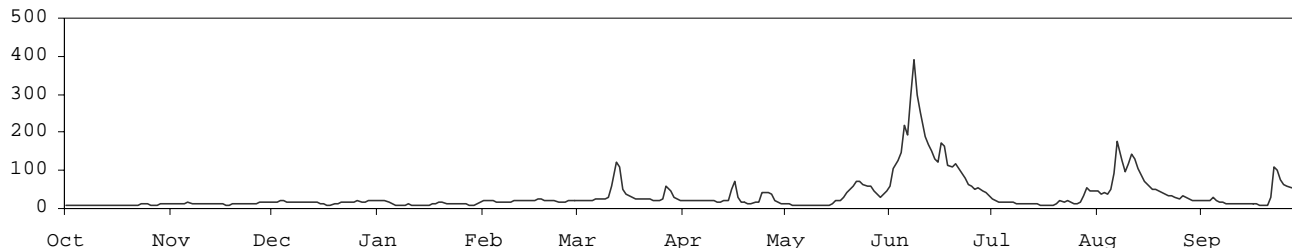
RATING TABLE.--GRAWESCO08 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	12	17	21	23	23	21	12	59	27	45	22
2	9.0	13	18	22	22	23	22	11	107	19	39	20
3	9.0	13	20	22	20	22	21	10	125	17	42	21
4	9.0	14	22	18	19	22	21	8.7	147	17	37	30
5	9.0	14	18	13	18	21	22	8.5	218	17	50	21
6	9.0	15	16	10	18	24	19	8.3	192	16	91	17
7	9.0	14	15	9.0	17	24	19	8.7	297	15	176	17
8	9.5	14	16	9.4	16	25	20	8.8	389	13	127	14
9	8.7	14	17	10	17	26	20	8.6	298	13	95	14
10	8.6	14	18	11	19	29	19	8.6	254	13	117	14
11	8.2	14	18	9.0	20	57	18	8.9	189	14	143	13
12	8.2	14	18	8.0	22	120	17	9.7	168	14	131	12
13	7.7	14	17	8.6	21	111	20	9.4	152	13	105	12
14	8.2	14	16	9.0	20	49	22	9.4	129	11	89	12
15	8.2	14	14	9.7	20	38	52	14	120	8.9	71	11
16	8.6	12	12	9.8	23	32	73	21	172	8.3	59	12
17	8.6	10	10	11	25	31	31	23	163	8.3	52	11
18	8.6	10	9.3	12	24	27	18	29	115	8.1	49	10
19	7.7	12	11	15	23	25	15	44	111	10	46	8.6
20	7.7	14	13	15	22	25	13	50	117	14	40	9.9
21	8.6	14	17	13	20	25	14	58	107	23	37	28
22	9.0	13	16	11	19	24	18	70	93	17	34	108
23	11	13	15	11	18	23	18	73	78	19	33	100
24	12	13	16	11	18	22	41	64	65	18	30	74
25	11	13	17	11	17	19	41	60	58	14	27	62
26	10	14	19	12	19	27	42	58	52	13	33	59
27	10	15	18	11	21	58	36	45	53	17	30	54
28	10	15	17	8.0	22	47	23	36	48	33	24	54
29	11	16	19	10	---	30	17	30	44	55	22	50
30	11	17	19	14	---	25	13	36	35	47	20	44
31	11	---	20	18	---	23	---	45	---	48	21	---
TOTAL	286.1	408	508.3	382.5	563	1077	746	886.6	4155	580.6	1915	934.5
MEAN	9.23	13.6	16.4	12.3	20.1	34.7	24.9	28.6	139	18.7	61.8	31.1
AC-FT	567	809	1010	759	1120	2140	1480	1760	8240	1150	3800	1850
MAX	12	17	22	22	25	120	73	73	389	55	176	108
MIN	7.7	10	9.3	8.0	16	19	13	8.3	35	8.1	20	8.6
CAL YR 1996 TOTAL	4968.1		MEAN	13.6	MAX	87	MIN	3.8	AC-FT	9850		
WTR YR 1997 TOTAL	12442.6		MEAN	34.1	MAX	389	MIN	7.7	AC-FT	24680		

MAX DISCH 421 CFS AT 1400 08-JUN-1997 GH 2.61 FT. SHIFT 0.03 FT. MAX GH 2.61 FT. AT 1400 08-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07096000 ARKANSAS RIVER AT CANON CITY, CO

LOCATION.--Lat 38°26'02", long 105°15'24", in SE¼SE¼ sec. 31, T.18 S., R.70 W., Fremont County, Hydrologic Unit 11020002, on right bank 800 ft upstream from Sand Creek, 0.7 mi downstream from Grape Creek, and 0.7 mi upstream from First Street Bridge in Canon City.

DRAINAGE AREA AND PERIOD OF RECORD.--3,117 mi². January 1888 to current year. Monthly data only for some periods. Published as near Canyon 1900-1906.

GAGE.--Water-stage recorder with satellite telemetry in 42-inch metal pipe shelter and well. Datum of gage is 5,342.13 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for the following period: Oct. 4-6, 1996 when floats were resting on mud. Record good except for period of floats on mud, which was poor. Station maintained and record developed by Div. II personnel.

RATING TABLE.--ARKCANCO22 USED FROM 01-OCT-1996 TO 30-SEP-1997

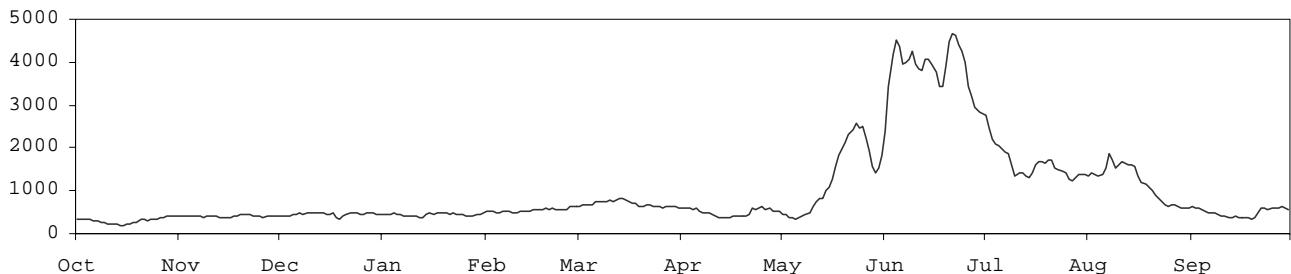
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	349	407	400	461	529	644	591	465	2380	2750	1340	622
2	346	398	395	464	519	671	608	433	3440	2480	1430	602
3	344	394	429	466	504	675	604	378	4180	2210	1380	598
4	335	403	425	476	499	675	576	355	4510	2080	1350	559
5	325	408	448	449	502	684	586	339	4380	2060	1370	525
6	314	410	463	433	518	729	529	363	3970	1980	1530	498
7	301	405	470	418	511	734	499	410	4000	1900	1880	480
8	277	375	465	409	504	741	488	460	4080	1880	1730	474
9	268	397	475	417	496	762	490	500	4240	1610	1540	439
10	224	407	477	416	500	765	440	642	3940	1360	1590	423
11	219	397	495	421	508	764	405	753	3840	1410	1670	414
12	215	393	491	375	515	775	377	838	3820	1410	1660	389
13	212	382	489	359	519	803	378	838	4060	1330	1600	388
14	203	380	478	441	513	814	381	1010	4050	1290	1600	393
15	205	372	459	499	556	773	372	1100	3950	1410	1580	389
16	216	386	430	456	561	734	404	1260	3770	1610	1350	376
17	222	411	478	468	564	723	412	1580	3420	1670	1210	371
18	267	411	378	477	572	696	407	1810	3440	1670	1170	357
19	278	437	340	498	580	642	418	1980	3910	1650	1100	341
20	320	442	408	477	569	640	423	2130	4480	1730	997	361
21	325	442	460	464	592	655	447	2300	4670	1720	889	472
22	312	435	484	468	548	659	603	2440	4610	1530	831	589
23	330	428	499	438	571	650	571	2580	4420	1500	759	585
24	352	420	488	432	577	639	584	2450	4250	1470	665	556
25	334	398	440	430	572	646	620	2490	3990	1410	643	584
26	360	391	465	423	637	615	556	2230	3420	1280	660	584
27	379	398	484	428	622	621	588	1950	3210	1240	658	594
28	398	402	483	429	639	625	526	1580	2960	1320	648	625
29	414	393	476	437	---	617	532	1430	2840	1390	610	605
30	408	404	460	455	---	621	527	1530	2810	1390	594	571
31	405	---	458	485	---	584	---	1840	---	1370	595	---
TOTAL	9457	12126	14090	13769	15297	21376	14942	40464	115040	51110	36629	14764
MEAN	305	404	455	444	546	690	498	1305	3835	1649	1182	492
AC-FT	18760	24050	27950	27310	30340	42400	29640	80260	228200	101400	72650	29280
MAX	414	442	499	499	639	814	620	2580	4670	2750	1880	625
MIN	203	372	340	359	496	584	372	339	2380	1240	594	341

CAL YR 1996 TOTAL 287393 MEAN 785 MAX 4140 MIN 203 AC-FT 570000
WTR YR 1997 TOTAL 359064 MEAN 984 MAX 4670 MIN 203 AC-FT 712200

MAX DISCH 4784 CFS AT 1445 21-JUN-1997 GH 9.78 FT. SHIFT 0.06 FT. MAX GH 9.78 FT. AT 1445 21-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07097000 ARKANSAS RIVER AT PORTLAND, CO

LOCATION.--Lat 38°23'18", long 105°00'56", in NE¼NE¼ sec. 20, T.19 S., R.68 W., Fremont County, Hydrologic Unit 11020002, on right bank at bridge on State Highway 120 at Portland and 1 mi downstream from Hardscrabble Creek.

DRAINAGE AREA.--4,024 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,021.59 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1974, at site 400 ft downstream at datum 0.03 ft. lower.

REMARKS.--Record good except for the following periods: Oct. 10-18, 1996, when float was on the mud; Dec. 17-24, 1996 and Jan. 6-9, 12-18, 1997 when stage was affected by ice; Jun. 13,16, and Aug. 18, 1997 when DCP did not transmit. Record good, except that during periods of ice effect, float in mud, and DCP malfunction, which is poor. Station maintained and records developed by Div. II personnel.

RATING TABLE.--ARKPORCO03 USED FROM 01-OCT-1996 TO 30-SEP-1997

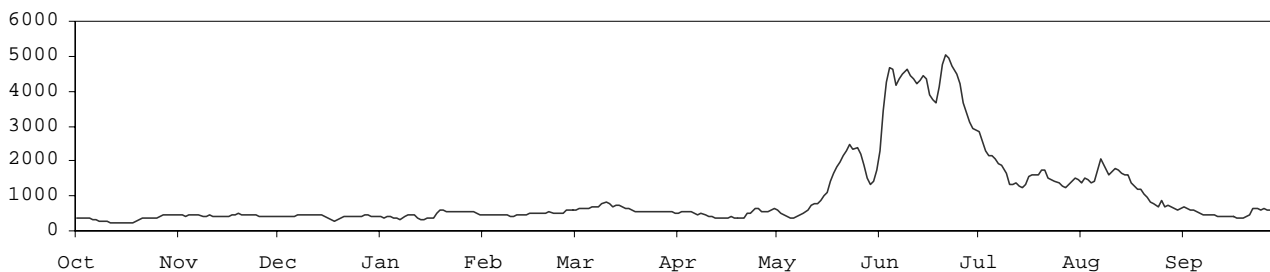
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	354	457	420	399	477	601	501	579	2300	2820	1370	670
2	349	436	403	385	474	641	565	512	3450	2570	1530	637
3	345	435	414	391	462	642	527	441	4280	2310	1460	616
4	363	437	405	401	448	638	529	390	4690	2150	1380	585
5	358	440	411	372	442	654	530	360	4630	2140	1440	540
6	321	454	429	350	458	681	500	371	4150	2050	1750	511
7	304	452	442	340	454	682	468	423	4350	1940	2060	479
8	293	429	437	420	443	693	488	475	4470	1870	1860	474
9	283	430	439	460	435	796	457	495	4610	1630	1620	466
10	260	441	441	467	433	834	426	609	4450	1340	1710	440
11	230	423	459	463	450	766	408	718	4340	1330	1780	431
12	220	424	446	350	455	691	380	782	4230	1380	1760	418
13	220	422	445	330	462	716	375	778	4300	1290	1650	410
14	220	422	436	340	452	737	369	887	4460	1250	1600	406
15	222	422	421	370	498	698	352	998	4350	1320	1610	398
16	220	431	375	360	499	651	378	1110	3900	1540	1390	393
17	230	466	310	380	510	632	394	1430	3740	1620	1260	385
18	240	448	280	520	514	614	363	1650	3660	1620	1200	377
19	275	484	310	573	518	550	375	1830	4130	1620	1170	361
20	315	472	370	586	516	557	375	1980	4780	1760	1040	394
21	360	461	400	564	538	562	379	2140	5020	1730	940	480
22	355	449	420	548	505	567	526	2290	4930	1530	834	645
23	361	441	420	545	514	565	517	2470	4720	1450	793	651
24	385	440	430	537	521	560	640	2350	4490	1430	665	610
25	384	419	427	538	511	565	642	2400	4210	1370	853	626
26	403	421	430	546	595	530	536	2190	3660	1260	707	616
27	442	420	457	544	577	527	562	1880	3380	1230	710	612
28	461	430	448	540	598	532	548	1530	3130	1310	689	648
29	480	413	429	537	---	544	604	1320	2950	1430	645	621
30	460	435	401	485	---	549	661	1420	2890	1530	612	602
31	461	---	395	450	---	511	---	1760	---	1450	632	---
TOTAL	10174	13154	12750	14091	13759	19486	14375	38568	122650	51270	38720	15502
MEAN	328	438	411	455	491	629	479	1244	4088	1654	1249	517
AC-FT	20180	26090	25290	27950	27290	38650	28510	76500	243300	101700	76800	30750
MAX	480	484	459	586	598	834	661	2470	5020	2820	2060	670
MIN	220	413	280	330	433	511	352	360	2300	1230	612	361

CAL YR 1996 TOTAL 297286 MEAN 812 MAX 4320 MIN 220 AC-FT 589700
WTR YR 1997 TOTAL 364499 MEAN 999 MAX 5020 MIN 220 AC-FT 723000

MAX DISCH 6355 CFS AT 1715 07-JUN-1997 GH 7.70 FT. SHIFT 0.05 FT. MAX GH 7.70 FT. AT 1715 07-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07099400 ARKANSAS RIVER ABOVE PUEBLO, CO

LOCATION.--Lat 38°16'18", long 104°43'03", in SE¼NE¼ sec. 36, T.20 S., R.66 W., Pueblo County, Hydrologic Unit 11020002, on left bank of Arkansas River, 200' downstream from NE corner of Arkansas River bridge, approx. 0.4 mi. downstream from Pueblo Dam, and 7 mi. West of Pueblo.

DRAINAGE AREA AND PERIOD OF RECORD.--4,670 mi². October 1965 to current year. Periodic water quality and sediment data available Oct. 1965 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,740 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Mar. 23, 1967, at site 730 ft upstream at datum 1.23 ft. higher. May 24, 1974, to Feb. 24, 1975, at site 2,000 ft downstream, at different datum.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 11-14, 1996 when floats were on sand in well; June 4-13, 1997 when DCP failed to transmit complete data sets. Record good at lower stages, fair at medium to high stages, because of unanswered questions about quality of cable way measurements. Record poor for periods of missing record. Station maintained and records developed by Div. II personnel.

RATING TABLE.--ARKPUECO16 USED FROM 01-OCT-1996 TO 30-SEP-1997

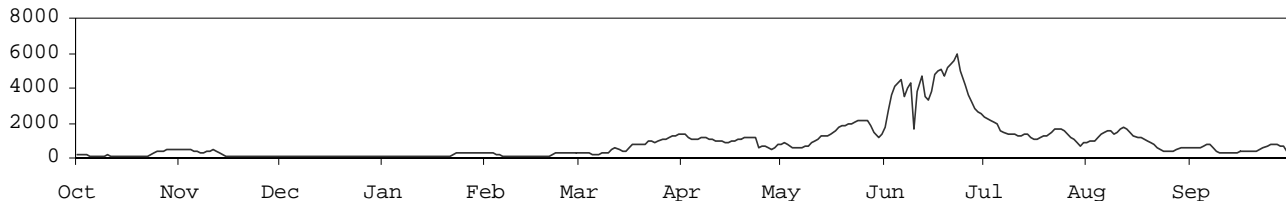
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	464	82	83	313	261	1360	808	1800	2380	921	573
2	163	445	83	83	314	261	1350	911	2690	2210	962	578
3	163	444	83	85	281	278	1180	824	3620	2130	1010	579
4	151	445	82	85	216	289	1100	632	4100	2080	1150	541
5	146	410	82	85	172	200	1120	567	4310	1920	1370	726
6	146	363	83	85	107	184	1120	567	4460	1580	1460	828
7	146	305	83	85	88	218	1150	616	3550	1430	1550	811
8	146	286	83	86	88	253	1170	699	4020	1400	1570	590
9	146	369	83	86	86	253	1110	730	4320	1400	1320	363
10	147	430	82	86	86	328	1030	899	1690	1400	1430	318
11	88	442	81	86	86	488	1010	954	3790	1290	1660	318
12	64	404	81	86	86	570	968	1060	4710	1260	1720	317
13	64	265	81	87	85	456	928	1220	3550	1380	1630	318
14	64	166	82	88	85	344	924	1260	3330	1360	1490	317
15	64	114	82	88	85	426	924	1310	3800	1160	1260	340
16	64	115	82	88	84	565	941	1380	4790	1060	1170	358
17	64	116	82	88	83	766	986	1560	4960	1050	1170	392
18	64	100	82	88	83	765	1060	1710	5110	1130	1120	390
19	64	92	82	88	83	775	1120	1820	4710	1300	1000	391
20	64	93	81	88	135	806	1140	1860	5180	1290	881	388
21	71	95	81	88	224	818	1180	1910	5400	1490	758	386
22	101	95	82	231	259	945	1210	1930	5600	1660	568	452
23	174	96	82	316	260	940	1190	2060	5910	1680	486	615
24	280	98	82	317	260	903	634	2140	4960	1660	398	717
25	364	98	82	317	260	964	659	2150	4170	1570	345	762
26	390	98	83	317	260	1040	677	2150	3630	1410	383	824
27	389	87	83	316	260	1060	618	2150	3180	1190	418	759
28	448	81	83	315	260	1190	507	1900	2870	1110	468	728
29	476	82	83	312	---	1290	563	1430	2650	895	537	653
30	478	82	83	313	---	1280	735	1170	2490	678	573	367
31	477	---	83	313	---	1330	---	1360	---	922	574	---
TOTAL	5828	6780	2549	4879	4689	20246	29664	41737	119350	44475	31352	15699
MEAN	188	226	82.2	157	167	653	989	1346	3978	1435	1011	523
AC-FT	11560	13450	5060	9680	9300	40160	58840	82790	236700	88220	62190	31140
MAX	478	464	83	317	314	1330	1360	2150	5910	2380	1720	828
MIN	64	81	81	83	83	184	507	567	1690	678	345	317

CAL YR 1996 TOTAL 271060 MEAN 741 MAX 3710 MIN 64 AC-FT 537600
WTR YR 1997 TOTAL 327248 MEAN 897 MAX 5910 MIN 64 AC-FT 649100

MAX DISCH 6057 CFS AT 1200 23-JUN-1997 GH 7.29 FT. SHIFT 0.02 FT. MAX GH 7.29 FT. AT 1200 23-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07111000 HUERFANO RIVER AT MANZANARES CROSSING NEAR REDWING, CO

LOCATION.--Lat 37°43'40", long 105°21'03", in sec 5, T.27 S., R.71 W., Huerfano County, on left bank at Manzanares crossing, 500 ft downstream from private bridge, .2 mi downstream from Manzanares Creek, and 3.5 mi southwest of Redwing.

DRAINAGE AREA.--73 mi².

GAGE.--Water-stage recorder in 4 foot diameter culvert pipe shelter and well.

REMARKS.--Record complete and reliable except for the following periods: October 22, November 7, 8, 17, 24-28, 30 December 1-7, 13-30, 1996, January 4-31, February 2-28, March 1-9, April 5-7, 10-15, 1997, when stage was affected by ice. Record good, except that for periods of ice effect, which is poor. Station maintained and record developed by Div. II Personnel.

RATING TABLE.--HURREDCO21 USED FROM 01-OCT-1996 TO 30-SEP-1997

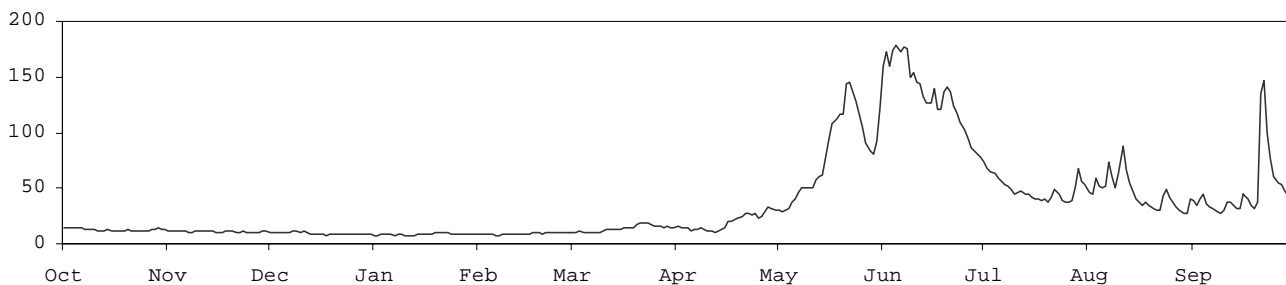
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	12	10	7.8	8.4	9.8	16	30	159	74	46	39
2	14	12	10	7.8	8.2	10	15	29	172	68	45	35
3	14	12	10	8.4	8.1	11	14	30	160	65	59	41
4	15	12	10	8.3	8.0	10	14	32	174	63	52	44
5	14	12	10	8.1	8.0	9.5	12	37	179	59	50	36
6	14	11	10	8.0	7.9	9.9	13	41	172	56	52	33
7	13	10	10	7.8	7.9	10	13	46	177	53	73	31
8	13	10	11	8.0	8.0	10	14	50	176	52	60	29
9	13	11	11	8.0	8.0	10	13	51	150	49	50	28
10	13	11	10	7.9	8.8	11	12	51	154	45	63	30
11	12	11	11	7.7	8.8	13	11	50	146	46	88	38
12	12	11	9.9	7.5	9.0	13	10	58	144	47	66	37
13	12	11	9.0	7.8	9.0	13	12	60	132	44	54	34
14	13	11	8.5	8.2	9.0	13	13	62	127	44	47	32
15	12	10	8.5	9.0	9.2	13	14	78	126	42	41	31
16	12	9.7	8.2	8.8	9.2	15	20	93	140	41	37	45
17	11	10	8.0	8.8	9.6	15	20	108	121	40	34	40
18	11	11	7.5	9.2	9.6	15	21	112	121	39	37	35
19	12	11	8.0	9.4	9.4	15	23	117	137	41	35	32
20	13	11	8.5	9.7	9.3	17	24	117	141	38	31	38
21	11	10	8.8	10	9.8	19	27	144	137	42	30	135
22	11	10	9.0	10	9.7	19	28	146	124	49	30	147
23	12	11	8.8	9.6	9.5	18	26	136	118	44	43	100
24	12	10	8.7	9.2	9.4	17	27	128	110	39	49	76
25	11	9.5	8.8	8.5	9.5	16	23	116	102	37	42	61
26	11	9.5	8.8	8.3	9.7	16	24	105	95	38	38	55
27	13	9.5	9.0	8.2	9.7	16	29	90	87	39	33	53
28	13	10	9.0	8.2	9.8	15	33	83	84	50	30	48
29	14	11	9.2	8.2	---	16	32	81	80	67	28	43
30	13	11	9.0	8.3	---	14	30	92	77	56	28	39
31	13	---	8.0	8.3	---	14	---	123	---	53	40	---
TOTAL	392	321.2	286.2	263.0	250.5	423.2	583	2496	4022	1520	1411	1465
MEAN	12.6	10.7	9.23	8.48	8.95	13.7	19.4	80.5	134	49.0	45.5	48.8
AC-FT	778	637	568	522	497	839	1160	4950	7980	3010	2800	2910
MAX	15	12	11	10	9.8	19	33	146	179	74	88	147
MIN	11	9.5	7.5	7.5	7.9	9.5	10	29	77	37	28	28

CAL YR 1996 TOTAL 5769.4 MEAN 15.8 MAX 49 MIN 7.5 AC-FT 11440
WTR YR 1997 TOTAL 13433.1 MEAN 36.8 MAX 179 MIN 7.5 AC-FT 26640

MAX DISCH 203 CFS AT 0045 07-JUN-1997 GH 3.71 FT. SHIFT -0.03 FT. MAX GH 3.78 FT. AT 0830 16-FEB-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07114000 CUCHARAS RIVER AT BOYD RANCH NEAR LA VETA, CO

LOCATION.--Lat 37°25'12", long 105°03'08", in SE¼NE¼SE¼ sec. 24, T.30 S., R.69 W., Huerfano County, on left bank at Boyd Ranch, 29 ft. downstream from private bridge, 1.4 mi downstream from Chaparral Creek, and 6.5 mi southwest of La Veta.

DRAINAGE AREA.--56 mi².

GAGE.--Water-stage recorder with satellite telemetry in a 3 1/2ft. diameter corrugated shelter over a 4 ft. diameter well. Primary record is DCP with reference to outside staff gage.

REMARKS.--Record is complete and reliable except for the following periods: October 22, 23, 27-30, November 7, 8, 16-18, 24-30, December 1-31, 1996, January 1, 3-31, February 2-16, 20-28, March 1-9, 11-14, 25, 26, April 6, 7, 11-15, 1997, when stage was affected by ice. Record good, except that for periods of ice effect, which is poor. Station maintained and record developed by Div. II personnel.

RATING TABLE.--CRBRLVCO13 USED FROM 01-OCT-1996 TO 30-SEP-1997

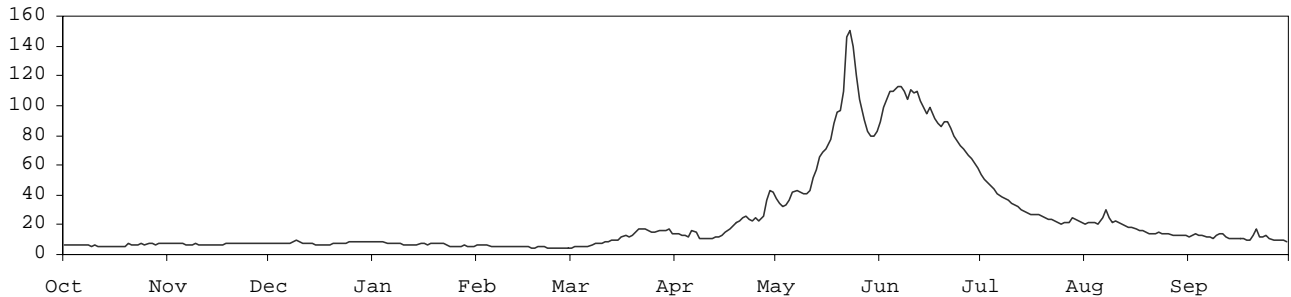
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	7.2	7.3	8.8	6.0	4.8	14	38	89	54	20	12
2	6.2	7.2	7.3	9.0	6.0	5.0	14	34	99	50	22	13
3	6.4	7.3	7.3	8.7	6.0	5.3	13	32	104	48	21	14
4	6.3	7.4	7.3	8.3	6.0	5.4	13	33	109	46	22	13
5	6.6	7.0	7.4	7.9	5.7	5.5	12	37	110	44	20	13
6	6.3	6.8	7.5	7.6	5.3	5.9	16	42	113	41	25	12
7	6.2	6.0	7.8	7.4	5.1	6.6	15	43	113	39	30	12
8	6.0	6.8	8.5	7.4	5.1	7.1	11	42	109	38	25	11
9	5.9	7.3	10	7.1	5.0	7.5	11	41	104	36	22	13
10	6.1	6.9	8.2	6.9	5.1	7.8	11	41	111	34	23	14
11	5.8	6.6	7.5	6.5	5.1	8.4	11	43	108	33	21	14
12	5.8	6.7	7.1	6.2	5.6	9.0	11	52	110	32	20	12
13	5.5	6.8	7.0	6.3	5.5	10	12	57	103	30	19	11
14	5.5	6.8	7.1	6.6	5.3	10	12	66	99	29	18	11
15	5.6	6.5	6.9	7.0	5.0	9.9	13	69	95	28	18	11
16	5.6	6.5	6.6	7.0	5.0	12	15	71	99	27	17	11
17	5.7	6.5	6.3	6.9	4.8	13	17	77	91	27	16	11
18	5.6	7.0	6.3	7.0	4.8	12	19	88	88	27	16	10
19	5.7	7.9	6.5	7.2	5.2	13	21	96	86	26	15	9.4
20	7.1	7.5	7.1	7.4	5.4	15	23	97	89	25	14	13
21	6.7	7.2	8.0	7.5	5.2	17	25	109	89	24	14	17
22	6.4	7.1	8.0	7.2	4.8	17	26	146	85	24	14	12
23	6.6	7.6	7.9	6.5	4.5	17	24	150	79	23	15	12
24	7.1	7.3	7.9	5.6	4.4	16	23	140	76	22	14	13
25	6.9	7.3	8.1	5.4	4.4	15	25	120	73	20	14	11
26	7.3	7.0	8.1	5.4	4.5	15	23	104	71	21	14	10
27	7.1	7.0	8.2	5.5	4.6	16	26	90	67	22	13	9.6
28	6.9	7.1	8.3	6.0	4.8	16	37	83	64	25	13	9.5
29	7.0	7.2	8.3	5.7	---	16	43	79	61	24	13	9.3
30	7.2	7.2	8.5	5.7	---	17	42	80	58	23	13	8.8
31	7.4	---	8.6	5.7	---	14	---	83	---	21	13	---
TOTAL	196.7	210.7	236.9	213.4	144.2	349.2	578	2283	2752	963	554	352.6
MEAN	6.35	7.02	7.64	6.88	5.15	11.3	19.3	73.6	91.7	31.1	17.9	11.8
AC-FT	390	418	470	423	286	693	1150	4530	5460	1910	1100	699
MAX	7.4	7.9	10	9.0	6.0	17	43	150	113	54	30	17
MIN	5.5	6.0	6.3	5.4	4.4	4.8	11	32	58	20	13	8.8

CAL YR 1996 TOTAL 3831.2 MEAN 10.5 MAX 27 MIN 5.0 AC-FT 7600
WTR YR 1997 TOTAL 8833.7 MEAN 24.2 MAX 150 MIN 4.4 AC-FT 17520

MAX DISCH 164 CFS AT 2345 22-MAY-1997 GH 1.77 FT. SHIFT 0.25 FT. MAX GH 1.77 FT. AT 2345 22-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07117000 ARKANSAS RIVER NEAR NEPESTA, CO

LOCATION.--Lat 38°11'03", long 104°10'22", in SW¼SE¼ sec. 25, T.21 S., R.61 W., Pueblo County, Hydrologic Unit 110200005, on right bank 0.7 mi upstream from headgate of Oxford Farmers Co. canal, 1.9 mi northwest of Nepesta, 2.7 mi upstream from Kramer Creek, and 6.6 mi downstream from Huerfano River.

DRAINAGE AREA.--9,345 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,385 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: December 17, 18, 1996 when orifice froze shut. December 19-29 1996, January 8, 10-23, 1997 when stage-discharge relation was affected by river ice. August 22, September 11-23, 1997 when manometer malfunctioned. Record fair, except record affected by ice, which is poor. Station maintained and record developed by Div. II Staff.

RATING TABLE.--ARKNEPC011 USED FROM 01-OCT-1996 TO 30-SEP-1997

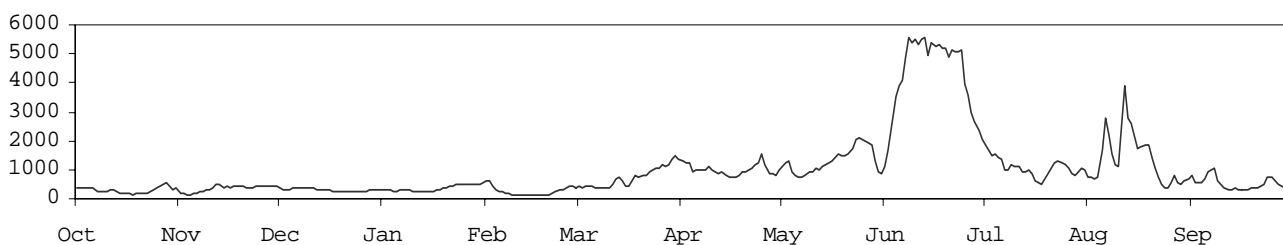
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	381	214	370	297	593	403	1290	1130	1130	1860	773	834
2	376	180	320	286	597	391	1230	1210	1640	1650	731	559
3	376	142	327	285	455	404	1230	1320	2770	1490	699	571
4	384	141	339	276	301	404	937	946	3500	1520	768	554
5	358	186	361	277	252	427	981	795	3920	1450	1690	655
6	344	199	371	282	243	382	1000	721	4090	1370	2790	938
7	268	246	392	288	200	345	993	756	4890	998	2250	977
8	246	239	380	280	166	380	1020	817	5540	1010	1530	1040
9	251	299	389	290	139	387	1110	924	5360	1150	1170	641
10	269	332	392	275	132	397	1010	933	5520	1140	1100	478
11	296	390	354	240	132	475	904	1050	5350	1120	2510	350
12	288	473	316	220	120	650	858	1000	5500	931	3910	310
13	232	500	312	230	112	735	914	1090	5550	938	2760	320
14	183	380	298	240	116	612	817	1200	4950	980	2580	350
15	168	417	312	260	120	412	752	1240	5380	864	2190	340
16	201	398	288	270	114	441	750	1290	5240	608	1760	320
17	190	409	265	290	114	592	773	1430	5300	540	1800	300
18	153	430	235	320	114	820	825	1550	5200	517	1850	320
19	159	441	240	350	114	740	906	1500	5180	704	1870	350
20	172	404	250	375	137	794	951	1480	4890	864	1400	370
21	178	349	255	415	178	819	959	1530	5150	1080	1050	401
22	205	370	260	460	243	901	1080	1710	5070	1220	750	450
23	255	402	245	480	296	986	1200	2020	5090	1300	464	520
24	307	418	250	503	318	1030	1240	2120	5130	1240	381	747
25	374	405	260	491	359	1040	1550	2040	3960	1200	373	721
26	458	415	255	514	415	1160	1180	1980	3590	1030	571	624
27	524	434	270	510	404	1140	892	1930	3000	843	785	515
28	554	420	280	479	402	1200	853	1850	2640	774	569	434
29	418	415	290	476	---	1370	833	1280	2360	926	522	356
30	320	410	294	509	---	1480	973	905	2060	1050	625	458
31	352	---	299	574	---	1340	---	873	---	1020	676	---
TOTAL	9240	10458	9469	11042	6886	22657	30011	40620	128950	33387	42897	15803
MEAN	298	349	305	356	246	731	1000	1310	4298	1077	1384	527
AC-FT	18330	20740	18780	21900	13660	44940	59530	80570	255800	66220	85090	31350
MAX	554	500	392	574	597	1480	1550	2120	5550	1860	3910	1040
MIN	153	141	235	220	112	345	750	721	1130	517	373	300

CAL YR 1996 TOTAL 259854 MEAN 710 MAX 3570 MIN 141 AC-FT 515400
WTR YR 1997TOTAL 361420 MEAN 990 MA 5550 MIN 112 AC-FT 716900

MAX DISCH 40 CFS AT 1715 12-J997 GH 5.04 FT. SHIFT 0.00 FT. MAX GH 5.08 FT. AT 1145 08-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07119700 ARKANSAS RIVER BELOW CATLIN DAM, NEAR FOWLER, CO

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at Catlin Canal gage, on right bank 2.2 mi downstream from diversion dam for Catlin Canal, 2.3 mi downstream from Apishapa River, and 6.0 mi east of Fowler.

DRAINAGE AREA AND PERIOD OF RECORD.--10,901 mi². October 1964 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of river gage is 4,245.92 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--All streamflow data from DCP and strip chart adjusted to outside staff gage readings. Record is complete and reliable except for the following periods: Dec. 17-30, 1996 and Jan. 8-21, 1997 when stage was affected by ice. April 28-May 5, 7-16, 21-22, 1997 when manometer motor stuck and sand covered orifice. Record fair, except that for periods of ice effect and instrument malfunction, which is poor. Record developed and station maintained by Division II personnel.

RATING TABLE.--ARKCATCO06 USED FROM 01-OCT-1996 TO 21-NOV-1996
 ARKCATCO07 USED FROM 22-NOV-1996 TO 24-JUN-1997
 ARKCATCO08 USED FROM 25-JUN-1997 TO 30-SEP-1997

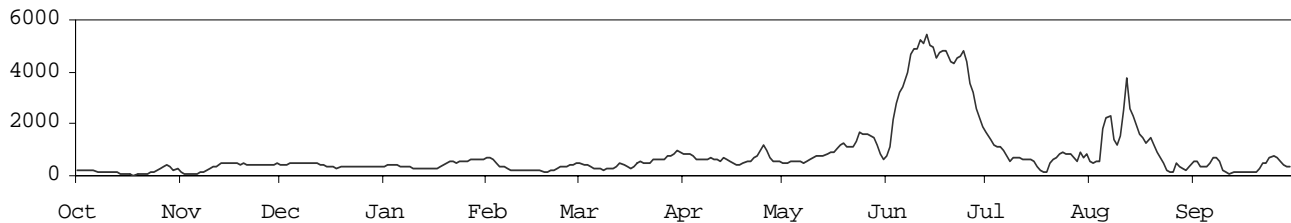
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	216	156	453	381	671	455	847	500	746	1640	581	536
2	190	94	443	387	674	445	845	520	1140	1390	492	548
3	182	72	447	392	648	422	856	525	2150	1180	545	381
4	189	54	463	391	456	319	772	540	2820	1130	562	347
5	199	61	460	394	372	279	660	540	3200	1090	1820	328
6	175	78	463	379	339	278	650	552	3420	1000	2240	478
7	165	106	479	342	286	251	635	500	4010	800	2290	679
8	136	151	508	340	244	240	648	540	4690	577	1390	706
9	130	189	514	330	230	265	684	620	4890	688	1170	531
10	147	248	520	310	227	263	651	680	4900	697	1520	212
11	155	318	521	290	216	266	650	760	5250	696	2530	115
12	165	358	483	270	226	345	550	780	5120	660	3770	92
13	131	508	452	280	217	455	681	800	5470	652	2590	126
14	85	462	412	290	190	447	609	830	5020	654	2290	146
15	55	474	376	310	180	335	543	890	4970	560	1930	143
16	49	517	363	310	184	280	487	890	4510	364	1630	122
17	60	478	340	310	185	332	436	1030	4770	217	1440	117
18	31	461	310	360	156	478	447	1190	4830	140	1290	114
19	39	447	320	420	166	525	489	1240	4810	165	1470	135
20	63	458	340	460	195	491	549	1090	4380	460	1190	173
21	57	436	340	530	210	497	592	1140	4360	626	940	303
22	70	413	330	529	251	498	663	1130	4520	724	692	457
23	111	417	350	514	316	599	771	1360	4620	860	454	474
24	131	425	350	548	353	626	982	1690	4810	875	217	687
25	199	444	350	544	350	603	1220	1580	4430	851	135	778
26	287	441	340	579	414	662	960	1580	3560	825	127	706
27	379	437	360	598	437	733	686	1520	3190	690	498	552
28	436	441	370	597	468	746	569	1490	2570	556	338	430
29	358	450	370	619	---	843	540	1210	2220	939	249	368
30	240	454	370	629	---	956	525	852	1870	667	242	328
31	258	---	368	655	---	926	---	662	---	825	380	---
TOTAL	5088	10048	12565	13288	8861	14860	20197	29231	117246	23198	37012	11112
MEAN	164	335	405	429	316	479	673	943	3908	748	1194	370
AC-FT	10090	19930	24920	26360	17580	29470	40060	57980	232600	46010	73410	22040
MAX	436	517	521	655	674	956	1220	1690	5470	1640	3770	778
MIN	31	54	310	270	156	240	436	500	746	140	127	92

CAL YR 1996 TOTAL 204716 MEAN 559 MAX 3360 MIN 31 AC-FT 406100
 WTR YR 1997 TOTAL 302706 MEAN 829 MAX 5470 MIN 31 AC-FT 600400

MAX DISCH 5820 CFS AT 0800 13-JUN-1997 GH 7.31 FT. SHIFT 0.02 FT. MAX GH 7.31 FT. AT 0800 13-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 15' Parshall flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable the entire year. DCP and pen trace records were both used to give best stage data. Record good. Records developed by Div. II personnel.

RATING TABLE.--CATCANCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

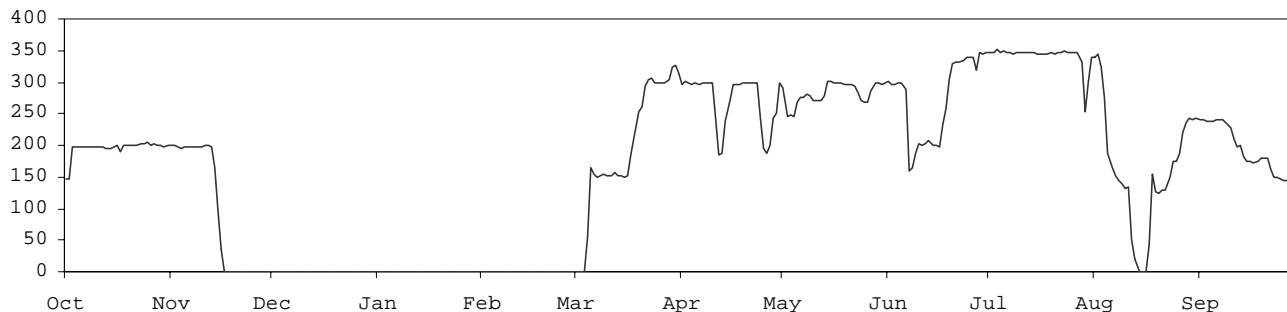
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	200	0.0	0.0	0.0	0.0	295	290	302	346	340	241
2	147	200	0.0	0.0	0.0	0.0	302	246	297	346	344	240
3	197	198	0.0	0.0	0.0	0.0	300	248	297	351	323	238
4	197	196	0.0	0.0	0.0	55	297	246	300	348	277	238
5	197	198	0.0	0.0	0.0	165	300	269	300	349	187	238
6	198	198	0.0	0.0	0.0	154	297	277	288	348	165	241
7	197	198	0.0	0.0	0.0	149	298	277	160	346	153	241
8	198	198	0.0	0.0	0.0	152	298	280	165	344	144	241
9	198	197	0.0	0.0	0.0	154	300	278	187	346	140	233
10	198	198	0.0	0.0	0.0	153	298	270	203	346	131	227
11	198	200	0.0	0.0	0.0	153	242	272	200	346	134	210
12	198	200	0.0	0.0	0.0	156	186	272	203	348	51	198
13	196	197	0.0	0.0	0.0	153	187	278	208	346	20	200
14	196	165	0.0	0.0	0.0	152	238	302	201	346	0.0	182
15	197	95	0.0	0.0	0.0	149	270	302	200	344	0.0	175
16	200	36	0.0	0.0	0.0	152	297	300	198	344	0.0	174
17	190	0.0	0.0	0.0	0.0	184	297	300	233	344	43	172
18	201	0.0	0.0	0.0	0.0	212	297	298	258	344	154	175
19	201	0.0	0.0	0.0	0.0	252	298	297	304	348	127	180
20	200	0.0	0.0	0.0	0.0	262	300	297	330	344	124	180
21	200	0.0	0.0	0.0	0.0	293	300	295	332	346	128	180
22	201	0.0	0.0	0.0	0.0	305	298	293	332	348	128	162
23	203	0.0	0.0	0.0	0.0	307	298	283	335	349	149	149
24	203	0.0	0.0	0.0	0.0	298	244	272	339	348	175	149
25	204	0.0	0.0	0.0	0.0	298	196	269	340	348	175	148
26	201	0.0	0.0	0.0	0.0	300	188	269	340	346	188	145
27	203	0.0	0.0	0.0	0.0	298	200	286	320	346	221	145
28	201	0.0	0.0	0.0	0.0	304	242	300	348	332	236	145
29	200	0.0	0.0	0.0	---	325	250	298	344	253	242	145
30	198	0.0	0.0	0.0	---	326	300	297	346	302	241	147
31	201	---	0.0	0.0	---	314	---	298	---	340	242	---
TOTAL	6067	2874	0.0	0.0	0.0	6175	8113	8759	8210	10582	4982	5739
MEAN	196	95.8	0.0	0.0	0.0	199	270	283	274	341	161	191
AC-FT	12030	5700	0.0	0.0	0.0	12250	16090	17370	16280	20990	9880	11380
MAX	204	200	0.0	0.0	0.0	326	302	302	348	351	344	241
MIN	147	0.0	0.0	0.0	0.0	0.0	186	246	160	253	0.0	145

CAL YR 1996 TOTAL 67016.12 MEAN 183 MAX 352 MIN 0.00 AC-FT 132900
WTR YR 1997 TOTAL 61501 MEAN 168 MAX 351 MIN 0.00 AC-FT 122000

MAX DISCH 0.00 CFS AT 30-MAY-1997 GH 0.00 FT. SHIFT 9877.00 FT. MAX GH 0.00 FT. AT 30-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

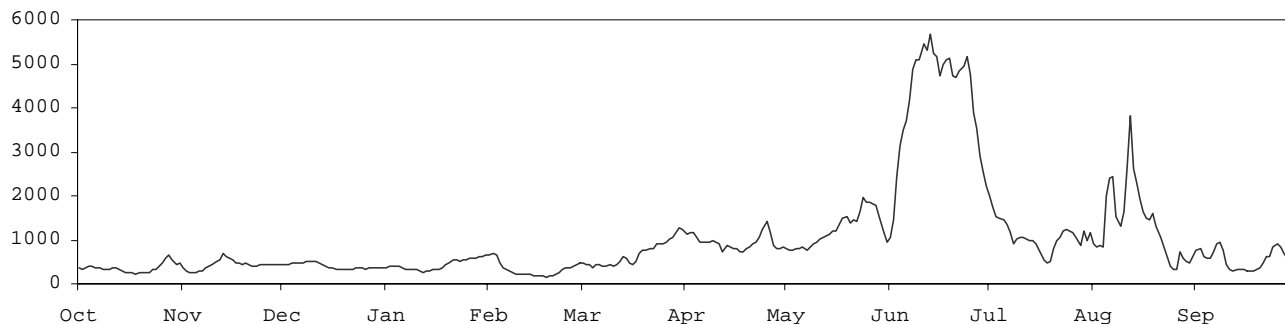
07119700 ARKANSAS RIVER BELOW CATLIN DAM, NEAR FOWLER, CO (COMBINED)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County.

DRAINAGE AREA.--10,901 mi².REMARKS.--Record fair, except that for periods of ice effect and manometer malfunction, which is poor.
Record is a compilation of Catlin Dam and Catlin Canal records developed by Frank Kipple.DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	364	356	453	381	671	455	1140	790	1050	1990	921	777
2	337	294	443	387	674	445	1150	766	1440	1740	836	788
3	379	270	447	392	648	422	1160	773	2450	1530	868	619
4	386	250	463	391	456	374	1070	786	3120	1480	839	585
5	396	259	460	394	372	444	960	809	3500	1440	2010	566
6	373	276	463	379	339	432	947	829	3710	1350	2400	719
7	362	304	479	342	286	400	933	777	4170	1150	2440	920
8	334	349	508	340	244	392	946	820	4860	921	1530	947
9	328	386	514	330	230	419	984	898	5080	1030	1310	764
10	345	446	520	310	227	416	949	950	5100	1040	1650	439
11	353	518	521	290	216	419	892	1030	5450	1040	2660	325
12	363	558	483	270	226	501	736	1050	5320	1010	3820	290
13	327	705	452	280	217	608	868	1080	5680	998	2610	326
14	281	627	412	290	190	599	847	1130	5220	1000	2290	328
15	252	569	376	310	180	484	813	1190	5170	904	1930	318
16	249	553	363	310	184	432	784	1190	4710	708	1630	296
17	250	478	340	310	185	516	733	1330	5000	561	1480	289
18	232	461	310	360	156	690	744	1490	5090	484	1440	289
19	240	447	320	420	166	777	787	1540	5110	513	1600	315
20	263	458	340	460	195	753	849	1390	4710	804	1310	353
21	257	436	340	530	210	790	892	1440	4690	972	1070	483
22	271	413	330	529	251	803	961	1420	4850	1070	820	619
23	314	417	350	514	316	906	1070	1640	4960	1210	603	623
24	334	425	350	548	353	924	1230	1960	5150	1220	392	836
25	403	444	350	544	350	901	1420	1850	4770	1200	310	926
26	488	441	340	579	414	962	1150	1850	3900	1170	315	851
27	582	437	360	598	437	1030	886	1810	3510	1040	719	697
28	637	441	370	597	468	1050	811	1790	2920	888	574	575
29	558	450	370	619	---	1170	790	1510	2560	1190	491	513
30	438	454	370	629	---	1280	825	1150	2220	969	483	475
31	459	---	368	655	---	1240	---	960	---	1160	622	---
TOTAL	11155	12922	12565	13288	8861	21034	28327	37998	125470	33782	41973	16851
MEAN	360	431	405	429	316	679	944	1226	4182	1090	1354	562
AC-FT	22130	25630	24920	26360	17580	41720	56190	75370	248900	67010	83250	33420
MAX	637	705	521	655	674	1280	1420	1960	5680	1990	3820	947
MIN	232	250	310	270	156	374	733	766	1050	484	310	289
CAL YR 1996 TOTAL		271747	MEAN	742	MAX	3690	MIN	232	AC-FT	539000		
WTR YR 1997 TOTAL		364226	MEAN	998	MAX	5680	MIN	156	AC-FT	722400		

MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07122400 CROOKED ARROYO NEAR SWINK, CO

LOCATION.--Lat 37°58'56", long 103°35'52", in SW¼SW¼ sec. 5, T.24 S., R.55 W., Otero County, on right bank 54 ft. downstream from bridge on State Highway 10, 2.0 mi. upstream from mouth, and 2.8 mi. southeast of Swink.

DRAINAGE AREA.--108 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,100 ft. above sea level.

REMARKS.--Record good except for the following periods: January 8-15, 1997, when ice affected stage discharge relation. May 30, 1997, when equipment malfunctioned. Record good, except that for periods of ice effect or recorder malfunctions, which is poor. Station maintained and record developed by Div. II Personnel.

RATING TABLE.--CANSWKC006 USED FROM 01-OCT-1996 TO 30-SEP-1997

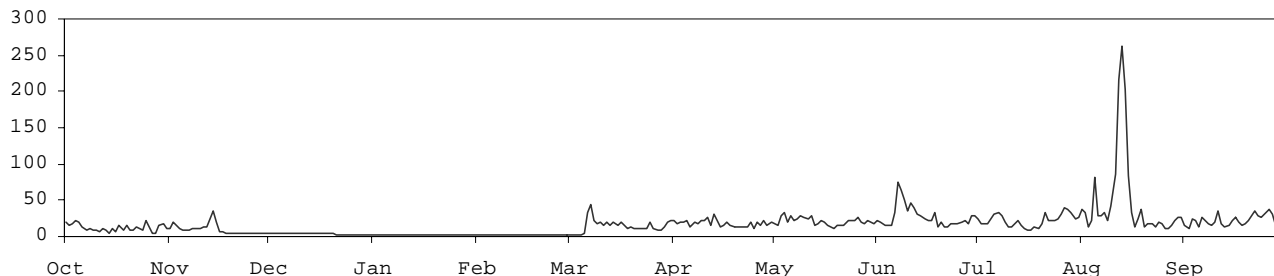
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	11	4.6	2.8	2.0	1.4	21	18	21	25	38	16
2	15	19	4.6	2.8	2.0	1.4	17	15	19	17	34	10
3	17	15	4.5	2.8	2.0	1.4	20	29	16	17	13	24
4	22	12	4.4	2.8	2.0	1.4	19	32	16	17	23	21
5	20	9.1	4.5	2.8	2.0	4.1	23	19	15	25	82	14
6	13	8.5	4.5	2.8	2.0	32	13	28	32	30	29	27
7	9.7	9.5	4.6	2.5	1.9	45	20	21	75	34	29	23
8	10	12	4.7	2.4	1.8	23	17	24	63	29	33	18
9	9.8	12	4.7	2.2	1.8	17	21	28	51	19	23	16
10	7.8	12	4.9	2.1	1.7	19	21	26	36	13	42	20
11	7.7	14	4.5	2.0	1.8	16	27	24	47	14	87	35
12	10	13	4.3	2.1	1.9	20	15	28	39	17	217	18
13	8.1	25	4.3	2.0	1.8	15	30	16	30	22	263	14
14	5.4	35	4.1	2.1	1.6	20	23	17	29	16	203	16
15	12	20	4.1	2.1	1.5	16	14	22	25	10	83	23
16	5.9	7.5	4.1	2.2	1.6	20	15	20	23	7.9	33	26
17	16	6.1	4.0	2.3	1.4	15	19	16	21	9.7	13	19
18	9.0	5.1	3.9	2.4	1.6	12	15	14	33	13	25	15
19	16	4.4	3.5	2.5	1.6	13	13	12	14	10	37	18
20	8.9	4.1	3.4	2.5	1.6	12	13	15	20	17	13	21
21	9.1	4.1	3.2	2.5	1.6	11	14	15	14	32	18	28
22	13	3.8	3.0	2.5	1.4	12	14	15	13	21	17	36
23	12	3.9	3.0	2.6	1.4	12	13	23	17	21	14	29
24	8.9	3.8	2.8	2.4	1.5	11	20	21	18	23	19	26
25	22	4.0	2.8	2.4	1.5	19	12	22	18	24	18	33
26	14	4.0	2.7	2.4	1.5	12	19	27	20	30	10	38
27	4.2	4.5	2.6	2.2	1.3	9.7	15	19	23	39	11	31
28	5.2	4.7	2.6	2.0	1.4	9.5	21	18	17	37	16	15
29	15	4.6	2.6	2.0	---	14	16	23	28	32	22	11
30	17	4.7	2.7	2.0	---	19	20	20	29	24	27	12
31	11	---	2.8	2.0	---	22	---	17	---	26	27	---
TOTAL	373.7	296.4	117.0	73.2	47.2	455.9	540	644	822	671.6	1519	653
MEAN	12.1	9.88	3.77	2.36	1.69	14.7	18.0	20.8	27.4	21.7	49.0	21.8
AC-FT	741	588	232	145	94	904	1070	1280	1630	1330	3010	1300
MAX	22	35	4.9	2.8	2.0	45	30	32	75	39	263	38
MIN	4.2	3.8	2.6	2.0	1.3	1.4	12	12	13	7.9	10	10

CAL YR 1996 TOTAL 5248.5 MEAN 14.3 MAX 116 MIN 1.9 AC-FT 10410
WTR YR 1997 TOTAL 6213.0 MEAN 17.0 MAX 263 MIN 1.3 AC-FT 12320

MAX DISCH 337 CFS AT 1600 12-AUG-1997 GH 5.08 FT. SHIFT 0.13 FT. MAX GH 5.08 FT. AT 1600 12-AUG-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07123000 ARKANSAS RIVER AT LA JUNTA, CO

LOCATION.--Lat 37°59'26", long 103°31'55", in SE¼NE¼ sec. 2, T.24 S., R.55 W., Otero County, Hydrologic Unit 11020005, on right bank at upstream side of bridge on State Highway 109 in La Junta, 450 ft upstream from King Arroyo.

DRAINAGE AREA.--12,210 mi².

GAGE.--Water-stage recorder with satellite telemetry activated by manometer. Shifting sand channel is primary control at all stages, with some effect caused by bridge, trash, trees, and banks at medium flows and above. Wire weight gage added to bridge. Datum of gage is 4,039.60 ft above National Geodetic Vertical Datum of 1929. See WSP 1711 or 1731 for history of changes prior to June 13, 1940. June 13, 1940, to June 6, 1967, water-stage recorder at site 300 ft upstream at present datum.

REMARKS.--Record good except those for the periods: Jun. 05-30, Jul. 01, 1997 when orifice lines were torn from bridge piers; Aug. 06-26, 1997 when orifice end was not anchored. Station maintained and record developed by Div. II personnel.

RATING TABLE.--ARKLAJCO37 USED FROM 01-OCT-1996 TO 30-SEP-1997

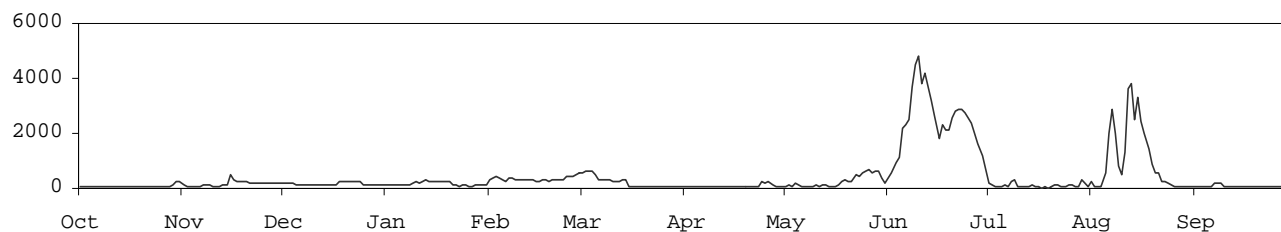
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	150	175	105	293	586	57	70	384	210	247	37
2	72	79	175	106	405	609	46	103	567	111	70	34
3	79	64	172	100	419	624	50	84	924	73	48	40
4	70	54	175	104	367	596	50	176	1100	61	76	42
5	72	54	151	98	290	489	54	103	2200	85	545	38
6	72	52	127	102	266	339	57	86	2300	115	2020	50
7	68	126	121	96	374	332	58	82	2500	75	2900	187
8	70	98	117	96	346	299	55	90	3700	278	2000	180
9	70	94	122	212	329	283	57	93	4500	335	800	173
10	70	88	140	228	309	273	58	116	4800	66	500	69
11	74	85	138	172	301	268	54	78	3800	51	1300	60
12	75	88	140	256	306	275	45	129	4200	48	3620	54
13	75	101	145	287	288	301	46	100	3700	45	3800	60
14	76	114	139	265	288	310	56	74	3200	143	2490	59
15	74	518	129	259	278	92	50	75	2600	58	3300	62
16	73	293	130	253	275	66	51	75	1830	32	2450	57
17	67	276	105	233	290	53	58	125	2300	27	2000	51
18	67	260	224	255	290	65	52	241	2100	32	1450	42
19	70	252	264	267	273	51	48	310	2100	29	844	40
20	68	229	255	243	282	51	48	244	2550	48	582	49
21	64	185	250	121	289	67	47	244	2800	110	550	60
22	65	177	237	96	318	47	45	480	2900	96	264	81
23	67	168	222	90	342	46	46	440	2900	50	250	78
24	68	175	251	94	426	44	269	550	2750	65	160	76
25	72	175	128	99	458	48	164	644	2550	108	106	82
26	70	184	111	88	467	58	248	658	2400	126	90	78
27	65	179	117	80	529	51	125	590	2000	55	74	71
28	68	178	110	100	563	45	92	644	1600	54	85	53
29	136	184	110	108	---	48	66	620	1200	313	45	50
30	228	177	109	127	---	53	92	391	700	216	48	47
31	235	---	108	129	---	61	---	194	---	72	45	---
TOTAL	2575	4857	4897	4869	9661	6530	2244	7909	73155	3187	32759	2060
MEAN	83.1	162	158	157	345	211	74.8	255	2439	103	1057	68.7
AC-FT	5110	9630	9710	9660	19160	12950	4450	15690	145100	6320	64980	4090
MAX	235	518	264	287	563	624	269	658	4800	335	3800	187
MIN	64	52	105	80	266	44	45	70	384	27	45	34

CAL YR 1996 TOTAL 69836 MEAN 191 MAX 1390 MIN 24 AC-FT 138500
WTR YR 1997 TOTAL 154703 MEAN 424 MAX 4800 MIN 27 AC-FT 306900

MAX DISCH 6126 CFS AT 1430 12-JUN-1997 GH 11.80 FT. SHIFT -0.02 FT. MAX GH 11.80 FT. AT 1430 12-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07124500 PURGATOIRE RIVER AT TRINIDAD, CO

LOCATION.--Lat 37°10'15", long 104°30'31", in NW¼SE¼ sec. 13, T.33 S., R.64 W., Las Animas County, in city of Trinidad, on left bank.

DRAINAGE AREA.--795 mi².

GAGE.--Graphic water stage recorder with satellite monitoring with DCP in a 36 inch pipe and well shelter.

REMARKS.--Record is complete and reliable except for the following periods: January 10-21, 1997 when stage-discharge relation was affected by ice. Record good, except for ice affected days, which are poor. Station maintained and record developed by Div. II personnel.

RATING TABLE.--PURTRICO23 USED FROM 01-OCT-1996 TO 30-SEP-1997

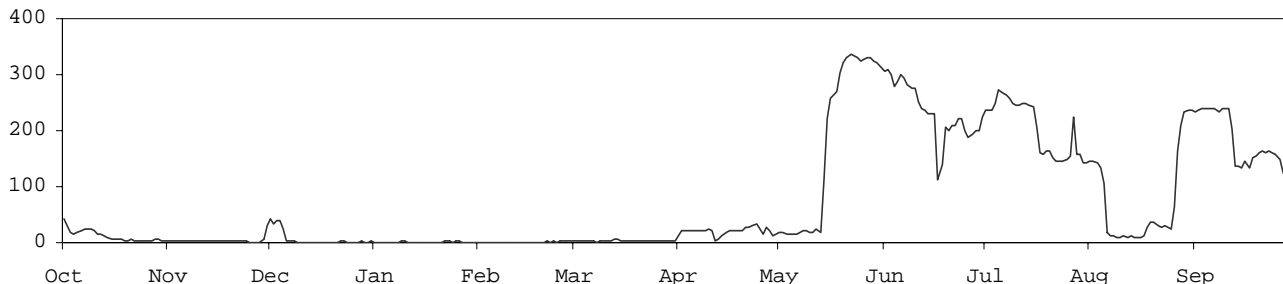
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	3.3	42	1.4	1.1	1.9	13	18	305	237	144	234
2	31	2.9	32	1.4	0.91	2.0	22	17	310	237	144	236
3	19	2.7	38	1.4	0.87	2.1	22	16	300	237	141	240
4	14	2.7	40	1.3	0.90	2.0	21	16	279	250	132	240
5	19	2.6	25	1.2	0.87	1.9	21	16	288	272	105	238
6	22	2.5	2.6	1.3	0.85	1.7	21	16	300	268	17	240
7	23	2.5	2.0	1.3	1.3	2.2	21	19	294	263	13	240
8	24	2.4	1.7	1.5	1.1	1.4	21	20	281	257	11	233
9	23	2.2	1.5	1.8	1.1	1.7	21	21	276	249	8.3	240
10	20	2.1	1.1	1.6	1.0	1.7	24	19	275	244	8.4	240
11	15	2.1	1.2	1.3	1.0	1.8	22	19	252	245	11	239
12	14	2.1	1.1	0.90	0.94	4.1	4.3	23	239	247	9.8	204
13	11	2.1	1.2	1.0	1.5	5.9	4.8	17	236	247	12	137
14	8.2	2.1	1.2	1.0	1.3	5.8	11	112	229	244	10	136
15	4.8	1.9	1.0	1.1	1.5	3.5	19	220	230	242	8.2	134
16	6.1	2.0	1.0	1.1	1.3	3.0	22	258	231	207	9.8	145
17	7.5	1.9	1.1	1.1	1.3	3.1	22	265	112	160	11	133
18	4.6	1.8	0.78	1.2	1.2	2.7	22	270	140	158	28	152
19	3.7	1.9	0.66	1.3	1.5	2.1	21	303	205	165	37	156
20	4.0	1.8	0.85	1.5	1.1	2.0	21	320	199	163	36	162
21	5.1	1.7	1.3	1.5	2.0	1.9	26	330	208	153	31	163
22	4.1	1.7	2.0	1.6	1.4	1.8	27	337	208	145	26	162
23	4.4	1.8	1.6	1.7	1.6	1.6	29	333	220	145	29	163
24	3.4	1.8	1.4	1.4	1.2	2.8	34	330	222	145	28	162
25	2.9	1.4	1.1	1.6	2.0	4.0	23	325	201	148	23	158
26	2.9	1.4	1.4	2.3	1.8	3.1	16	327	187	155	63	147
27	4.5	1.4	1.5	1.3	1.9	4.3	27	330	194	225	163	125
28	5.6	1.2	1.6	1.4	2.4	4.1	21	330	200	158	208	121
29	5.2	6.9	1.4	1.4	---	3.6	13	323	201	158	232	121
30	4.0	30	1.4	1.5	---	3.0	15	321	223	142	235	118
31	3.5	---	1.7	1.3	---	2.8	---	312	---	143	235	---
TOTAL	360.5	94.9	212.39	42.70	36.94	85.6	607.1	5583	7045	6309	2169.5	5419
MEAN	11.6	3.16	6.85	1.38	1.32	2.76	20.2	180	235	204	70.0	181
AC-FT	715	188	421	85	73	170	1200	11070	13970	12510	4300	10750
MAX	41	30	42	2.3	2.4	5.9	34	337	310	272	235	240
MIN	2.9	1.2	0.66	0.90	0.85	1.4	4.3	16	112	142	8.2	118

CAL YR 1996 TOTAL 20621.99 MEAN 56.3 MAX 347 MIN 0.66 AC-FT 40900
WTR YR 1997TAL 27965.63 MEAN 76.6 MA 337 MIN 0.66 AC-FT 55470

MAX DISCH 49 CFS AT 1445 27-J997 GH 3.42 FT. SHIFT 0.03 FT. MAX GH 3.42 FT. AT 1445 27-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07126500 PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE, CO (RIVER ONLY)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County, Hydrologic Unit 11020010, on left bank at Ninemile Dam, 4 mi southwest of Higbee, and 5.5 mi upstream from Smith Canyon. Prior to Apr. 21, 1978 gage located 850 ft, upstream.

DRAINAGE AREA.--2,752 mi².

GAGE.--Water-stage recorder with satellite telemetry in 4'x4' steel shelter.

REMARKS.--Record complete and reliable except for the following periods: October 3, 1996, March 18-20, May 28, 29 and August 13-19, 1997 when the manometer malfunctioned. August 7, 8, 1997, when orifice line was partly plugged. Record fair. Record for period of flow above 2000 cfs is considered poor. Rating not well-defined above 1000 cfs. Station maintained and record developed by Div. II personnel.

RATING TABLE.--PURNINCO16 USED FROM 01-OCT-1996 TO 30-SEP-1997

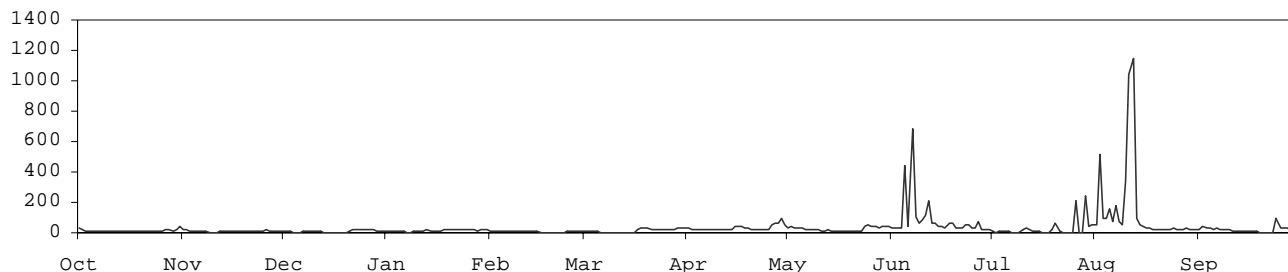
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	23	7.4	15	13	13	27	29	32	9.1	55	23
2	17	16	8.2	14	12	14	24	43	34	4.1	519	39
3	12	13	6.0	13	11	10	22	32	27	7.2	99	31
4	8.2	11	4.6	12	11	6.3	24	30	30	9.1	94	31
5	12	9.4	4.0	8.3	9.6	5.9	20	30	438	8.2	155	22
6	8.2	8.2	5.1	7.4	11	5.1	25	25	47	6.0	76	33
7	6.4	6.8	5.6	2.8	14	4.3	24	22	688	4.1	174	23
8	7.4	6.5	9.0	1.5	14	3.5	22	19	106	3.0	76	16
9	10	4.7	10	11	12	0.98	22	18	65	3.2	57	24
10	10	4.8	9.4	9.7	12	0.0	19	17	80	22	332	19
11	9.1	4.1	9.6	5.4	14	0.0	19	14	118	30	1040	14
12	9.1	5.5	9.1	12	15	0.0	18	14	212	21	1150	13
13	9.1	7.4	4.8	19	12	0.0	19	16	68	12	100	13
14	11	7.3	0.0	14	13	0.0	21	14	68	8.2	50	14
15	10	6.0	0.0	10	5.9	0.0	38	14	40	6.0	38	9.6
16	6.0	5.6	0.0	11	0.73	1.6	38	15	39	2.0	34	9.1
17	6.8	6.7	0.10	14	1.9	25	39	13	36	0.0	28	8.3
18	9.6	6.7	0.0	17	2.3	27	33	13	59	0.0	24	7.9
19	12	7.8	0.0	19	2.3	29	30	11	66	26	24	2.5
20	12	7.5	2.3	21	2.3	30	26	12	36	63	23	0.0
21	12	6.7	12	25	2.1	24	24	9.9	29	12	19	0.0
22	13	7.4	18	21	2.4	25	23	10	28	2.2	19	3.3
23	14	6.0	22	19	2.8	24	20	10	53	0.0	22	1.5
24	12	6.0	21	21	6.2	23	17	38	56	0.0	28	94
25	10	9.1	26	21	10	24	17	50	28	0.0	19	29
26	9.1	21	22	22	13	25	56	44	33	212	19	27
27	18	9.1	22	21	14	26	66	38	69	0.0	22	28
28	17	7.4	19	15	13	26	65	28	16	0.0	30	23
29	13	7.4	15	22	---	27	100	40	24	244	25	19
30	19	7.4	15	21	---	28	55	46	17	45	22	23
31	38	---	13	18	---	28	---	42	---	50	21	---
TOTAL	388.0	255.5	300.20	463.1	252.53	455.68	953	756.9	2642	809.4	4394	600.2
MEAN	12.5	8.52	9.68	14.9	9.02	14.7	31.8	24.4	88.1	26.1	142	20.0
AC-FT	770	507	595	919	501	904	1890	1500	5240	1610	8720	1190
MAX	38	23	26	25	15	30	100	50	688	244	1150	94
MIN	6.0	4.1	0.0	1.5	0.73	0.0	17	9.9	16	0.0	19	0.0

CAL YR 1996 TOTAL 15662.91 MEAN 42.8 MAX 1520 MIN 0.00 AC-FT 31070
WTR YR 1997 TOTAL 12270.51 MEAN 33.6 MAX 1150 MIN 0.00 AC-FT 24340

MAX DISCH 7970 CFS AT 2345 11-AUG-1997 GH 6.66 FT. SHIFT 0.10 FT. MAX GH 6.66 FT. AT 2345 11-AUG-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO.

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder and satellite monitored data collection platform (DCP) in steel shelter. Control is 6' Parshall flume.

REMARKS.--Record incomplete during many periods because of clock stoppages, mud in well, infrequent visits, and gages being set incorrectly. Record fair, except that for periods when clock was stopped or when float was on mud or when recorders set incorrectly, which is poor. Station maintained and record developed by Div. II personnel.

RATING TABLE.--STD06FTPF USED FROM 01-OCT-1996 TO 30-SEP-1997

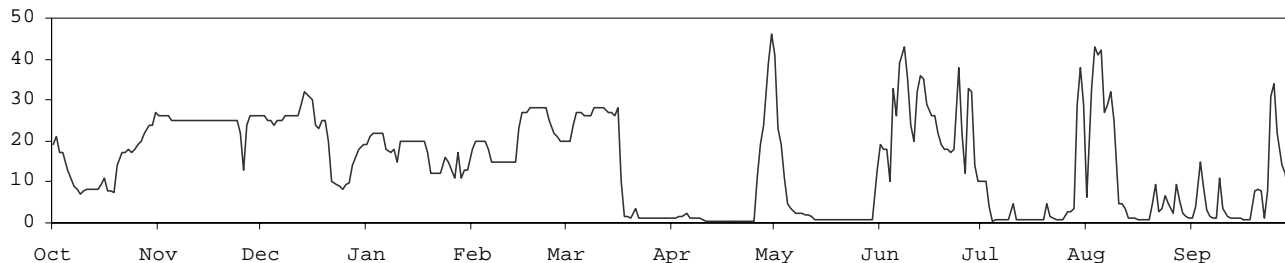
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	26	26	19	18	20	1.2	41	19	10	6.3	1.3
2	21	26	26	21	20	20	1.3	23	18	10	33	3.9
3	17	26	25	22	20	24	1.6	19	18	3.8	43	15
4	17	26	25	22	20	27	1.6	11	10	0.58	41	8.5
5	13	25	24	22	20	27	2.3	4.5	33	0.63	42	3.2
6	11	25	25	22	18	26	1.2	3.5	26	0.76	27	1.4
7	8.8	25	25	18	15	26	1.2	2.3	39	0.82	29	1.3
8	8.1	25	26	17	15	26	1.2	2.3	43	0.82	32	1.2
9	7.2	25	26	18	15	28	1.2	2.3	35	0.77	25	11
10	7.9	25	26	15	15	28	0.78	2.1	24	4.7	4.5	3.4
11	8.2	25	26	20	15	28	0.52	2.0	20	0.82	4.5	1.5
12	8.2	25	26	20	15	28	0.52	1.5	32	0.73	3.5	1.3
13	8.2	25	29	20	15	27	0.52	0.82	36	0.71	1.2	1.3
14	8.2	25	32	20	15	27	0.46	0.82	35	0.71	1.2	1.1
15	9.2	25	31	20	23	26	0.43	0.77	29	0.71	1.2	0.99
16	11	25	30	20	27	28	0.43	0.71	26	0.71	0.96	0.96
17	7.9	25	24	20	27	10	0.38	0.76	26	0.71	0.84	0.93
18	7.8	25	23	20	28	1.4	0.35	0.82	22	0.61	0.91	0.93
19	7.6	25	25	17	28	1.4	0.35	0.82	19	0.61	0.82	8.0
20	14	25	25	12	28	1.3	0.35	0.82	18	4.8	4.5	8.1
21	17	25	20	12	28	3.6	0.35	0.82	18	1.5	9.4	7.8
22	17	25	10	12	28	1.3	0.35	0.83	17	1.2	2.8	1.3
23	18	25	9.2	12	28	1.3	0.35	0.82	18	0.85	3.6	7.7
24	17	25	8.8	16	25	1.3	0.35	0.82	38	0.82	6.6	31
25	18	22	8.1	15	22	1.3	0.35	0.83	22	0.82	4.6	34
26	19	13	9.4	13	21	1.2	11	0.82	12	2.8	2.4	22
27	20	24	9.9	11	20	1.2	19	0.82	33	2.9	9.2	14
28	22	26	14	17	20	1.2	24	0.82	32	3.6	5.6	12
29	24	26	16	11	---	1.2	39	0.82	14	29	2.4	6.3
30	24	26	18	13	---	1.2	46	0.82	10	38	1.4	1.4
31	27	---	19	13	---	1.2	---	13	---	29	1.3	---
TOTAL	443.3	741	667.4	530	589	446.1	158.65	142.06	742	154.50	351.73	212.81
MEAN	14.3	24.7	21.5	17.1	21.0	14.4	5.29	4.58	24.7	4.98	11.3	7.09
AC-FT	879	1470	1320	1050	1170	885	315	282	1470	306	698	422
MAX	27	26	32	22	28	28	46	41	43	38	43	34
MIN	7.2	13	8.1	11	15	1.2	0.35	0.71	10	0.58	0.82	0.93

CAL YR 1996 TOTAL 5751.91 MEAN 15.7 MAX 44 MIN 0.20 AC-FT 11410
WTR YR 1997 TOTAL 5178.54 MEAN 14.2 MAX 46 MIN 0.35 AC-FT 10270

MAX DISCH 64 CFS AT 0915 05-JUN-1997 GH 1.85 FT. SHIFT 0.00 FT. MAX GH 1.85 FT. AT 0915 05-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07126500 PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE, CO (COMBINED)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County, Hydrologic Unit 11020010, on left bank at Ninemile Dam, 4 mi southwest of Higbee, and 5.5 mi upstream from Smith Canyon. Prior to Apr. 21, 1978 gage located 850 ft, upstream.

DRAINAGE AREA.--2,752 mi².

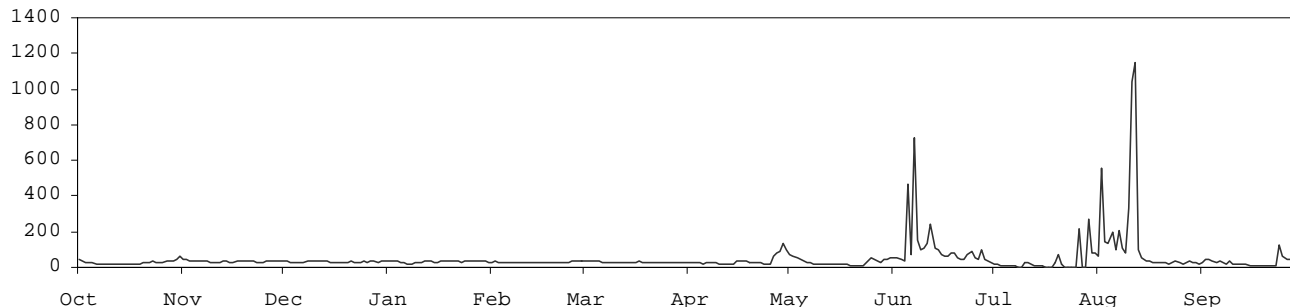
GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,240.59 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--The combined record of discharges was obtained by the addition of daily flows from the Ninemile Canal to the corresponding flows in the Purgatoire River at Ninemile Dam. Combined records are considered fair, except during periods of flow over 2000 cfs, which are poor. Station maintained and record developed by Div. II personnel.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	49	33	34	31	33	28	70	51	19	61	24
2	38	42	34	35	32	34	25	66	52	14	552	43
3	29	39	31	35	31	34	24	51	45	11	142	46
4	25	37	30	34	31	33	26	41	40	9.7	135	40
5	25	34	28	30	30	33	22	34	471	8.8	197	25
6	19	33	30	29	29	31	26	28	73	6.8	103	34
7	15	32	31	21	29	30	25	24	727	4.9	203	24
8	16	32	35	18	29	30	23	21	149	3.8	108	17
9	17	30	36	29	27	29	23	20	100	4.0	82	35
10	18	30	35	25	27	28	20	19	104	27	336	22
11	17	29	36	25	29	28	20	16	138	31	1040	16
12	17	30	35	32	30	28	19	16	244	22	1150	14
13	17	32	34	39	27	27	20	17	104	13	101	14
14	19	32	32	34	28	27	21	15	103	8.9	51	15
15	19	31	31	30	29	26	38	15	69	6.7	39	11
16	17	31	30	31	28	30	38	16	65	2.7	35	10
17	15	32	24	34	29	35	39	14	62	0.71	29	9.2
18	17	32	23	37	30	28	33	14	81	0.61	25	8.8
19	20	33	25	36	30	30	30	12	85	27	25	10
20	26	32	27	33	30	31	26	13	54	68	28	8.1
21	29	32	32	37	30	28	24	11	47	14	28	7.8
22	30	32	28	33	30	26	23	11	45	3.4	22	4.6
23	32	31	31	31	31	25	20	11	71	0.85	26	9.2
24	29	31	30	37	31	24	17	39	94	0.82	35	125
25	28	31	34	36	32	25	17	51	50	0.82	24	63
26	28	34	31	35	34	26	67	45	45	215	21	49
27	38	33	32	32	34	27	85	39	102	2.9	31	42
28	39	33	33	32	33	27	89	29	48	3.6	36	35
29	37	33	31	33	---	28	139	41	38	273	27	25
30	43	33	33	34	---	29	101	47	27	83	23	24
31	65	---	32	31	---	29	---	55	---	79	22	---
TOTAL	830	995	967	992	841	899	1108	901	3384	966.02	4737	810.7
MEAN	26.8	33.2	31.2	32.0	30.0	29.0	36.9	29.1	113	31.2	153	27.0
AC-FT	1650	1970	1920	1970	1670	1780	2200	1790	6710	1920	9400	1610
MAX	65	49	36	39	34	35	139	70	727	273	1150	125
MIN	15	29	23	18	27	24	17	11	27	0.61	21	4.6
CAL YR 1996 TOTAL	21408.0		MEAN	58.5	MAX	1540	MIN	1.5	AC-FT	42460		
WTR YR 1997 TOTAL	17430.72		MEAN	47.8	MAX	1150	MIN	0.61	AC-FT	34570		

MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO.

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 6' Parshall flume.

REMARKS.--Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

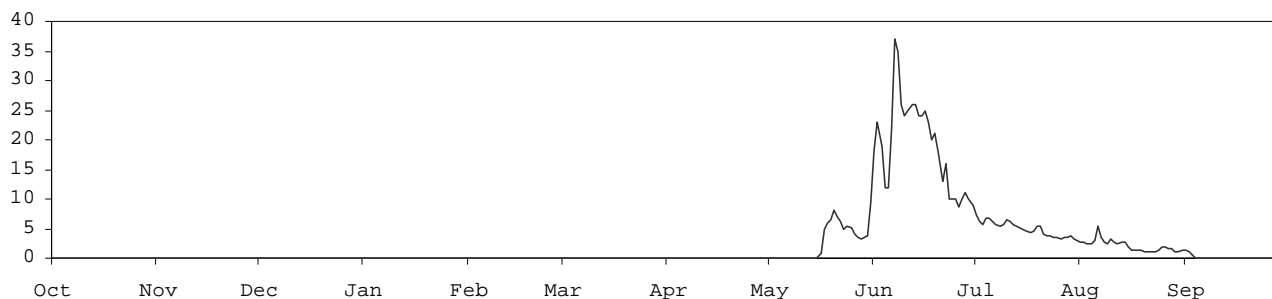
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	7.3	2.8	1.3
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	6.3	2.6	0.98
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	5.6	2.5	0.44
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	6.7	2.3	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	6.8	3.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	6.2	5.4	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	5.7	3.4	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	5.4	2.6	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	5.7	2.4	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	6.5	3.3	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	6.2	2.7	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	5.8	2.4	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	5.3	2.6	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	5.1	2.8	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	4.8	1.8	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	25	4.6	1.4	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	23	4.3	1.3	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	20	4.6	1.4	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	21	5.5	1.4	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	18	5.3	1.2	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	13	4.1	1.1	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	16	3.9	1.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	10	3.8	1.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	10	3.6	1.4	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	10	3.4	2.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	8.6	3.2	2.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	10	3.5	1.5	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	11	3.6	1.7	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	3.5	9.9	3.8	1.2	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	3.9	9.0	3.3	1.1	0.0
31	0.0	---	0.0	0.0	---	0.0	---	9.4	---	3.0	1.3	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.76	567.5	152.9	64.6	2.72
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.67	18.9	4.93	2.08	0.09
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164	1130	303	128	5.4
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	37	7.3	5.4	1.3
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	3.0	1.0	0.0

CAL YR 1996 TOTAL 1260.02 MEAN 3.44 MAX 41 MIN 0.00 AC-FT 2500
WTR YR 1997 TOTAL 870.48 MEAN 2.38 MAX 37 MIN 0.00 AC-FT 1730

MAX DISCH 51 CFS AT 1915 07-JUN-1997 GH 1.59 FT. SHIFT 0.02 FT. MAX GH 1.59 FT. AT 1915 07-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 4' Parshall flume.

REMARKS.--Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

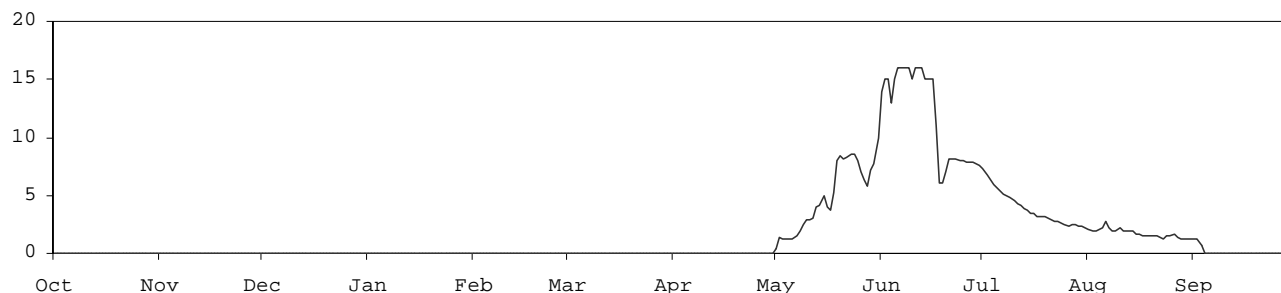
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	14	7.3	2.1	1.3
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	15	6.7	2.0	1.2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	15	6.3	1.9	0.74
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	13	6.0	2.1	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	15	5.7	2.2	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	16	5.4	2.7	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	16	5.1	2.2	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	16	5.0	2.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	16	4.8	1.9	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	15	4.5	2.2	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	16	4.3	1.9	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	16	4.1	1.9	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	16	3.9	1.9	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	15	3.7	1.9	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	15	3.5	1.7	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	15	3.4	1.6	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	11	3.2	1.5	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	6.1	3.2	1.5	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	6.1	3.2	1.5	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	7.1	3.1	1.5	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	8.2	2.9	1.5	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	8.1	2.8	1.4	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	8.1	2.8	1.3	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	8.0	2.6	1.5	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	8.0	2.5	1.5	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	7.9	2.4	1.6	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	7.8	2.5	1.4	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	7.8	2.5	1.3	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	7.2	7.7	2.4	1.3	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	7.7	7.6	2.3	1.3	0.0
31	0.0	---	0.0	0.0	---	0.0	---	10	---	2.2	1.3	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	149.76	353.5	120.3	53.6	3.24
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.83	11.8	3.88	1.73	0.11
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	297	701	239	106	6.4
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	16	7.3	2.7	1.3
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	6.1	2.2	1.3	0.0

CAL YR 1996 TOTAL 726.02 MEAN 1.98 MAX 16 MIN 0.00 AC-FT 1440
WTR YR 1997 TOTAL 680.40 MEAN 1.86 MAX 16 MIN 0.00 AC-FT 1350

MAX DISCH 18 CFS AT 1800 01-JUN-1997 GH 1.12 FT. SHIFT -0.04 FT. MAX GH 1.12 FT. AT 1800 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 6' Parshall flume.

REMARKS.--Record considered good. Data taken from charts set and maintained by ditch rider. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

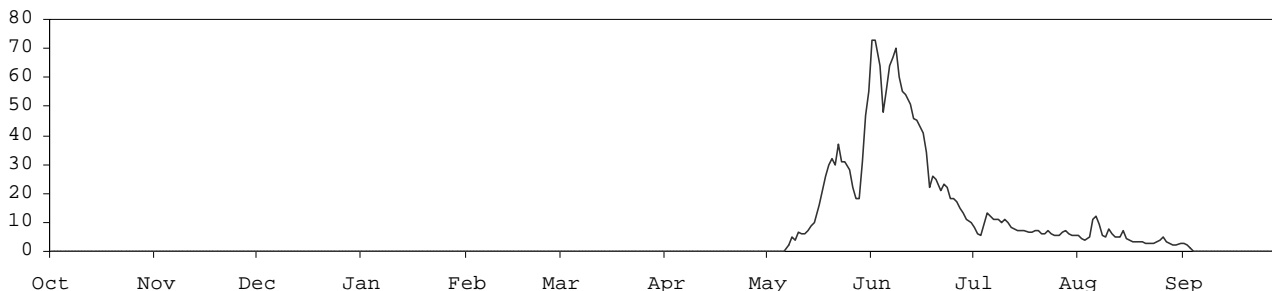
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73	8.2	5.7	2.7
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73	6.2	4.3	2.2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64	5.3	4.1	1.1
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	9.6	4.9	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	13	11	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64	12	12	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	67	11	9.3	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	70	11	5.7	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	60	10	4.8	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	55	11	7.7	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	54	9.8	6.1	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	51	8.5	5.1	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	46	7.8	4.8	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	45	7.3	7.1	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	43	7.1	4.4	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	41	7.0	3.8	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	34	6.6	3.5	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	22	6.8	3.5	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	26	7.4	3.4	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	25	6.9	3.1	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	21	6.0	3.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	23	6.2	2.9	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	22	7.4	2.5	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	18	6.3	3.3	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	18	5.7	3.9	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	17	5.5	4.8	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	15	6.4	3.5	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	13	6.9	2.6	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	31	11	6.2	2.3	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	47	9.9	5.6	2.3	0.0
31	0.0	---	0.0	0.0	---	0.0	---	55	---	5.4	3.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	528.2	1184.9	240.1	148.4	6.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	39.5	7.75	4.79	0.20
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1050	2350	476	294	12
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55	73	13	12	2.7
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	5.3	2.3	0.0

CAL YR 1996 TOTAL 2122.17 MEAN 5.80 MAX 60 MIN 0.00 AC-FT 4210
WTR YR 1997 TOTAL 2107.6 MEAN 5.77 MAX 73 MIN 0.00 AC-FT 4180

MAX DISCH 105 CFS AT 2000 01-JUN-1997 GH 2.49 FT. SHIFT 0.03 FT. MAX GH 2.49 FT. AT 2000 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 6' Parshall flume.

REMARKS.--Record considered good. Data taken from chart set by ditch rider. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--WUREXDCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

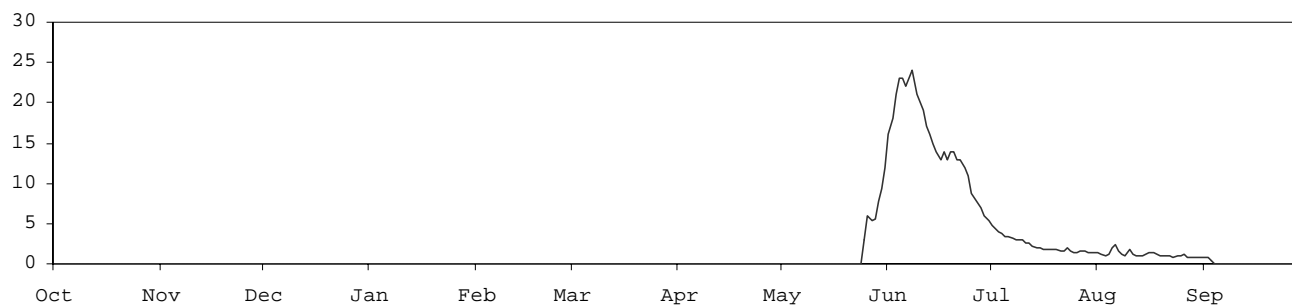
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	4.8	1.3	0.86
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	4.4	1.1	0.74
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	4.0	1.0	0.41
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	3.7	1.1	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	3.3	1.9	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	3.3	2.3	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	3.1	1.6	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	3.0	1.2	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	2.9	1.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	3.0	1.7	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	2.6	1.2	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	2.5	1.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	2.2	0.93	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	2.0	1.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	2.0	1.2	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	1.8	1.3	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	1.7	1.3	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	1.7	1.2	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	1.7	0.95	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	1.7	0.93	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	1.5	0.98	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	1.5	0.90	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	1.9	0.80	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	1.6	0.96	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	8.8	1.4	0.96	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	8.2	1.3	1.1	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	7.6	1.5	0.73	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	7.0	1.5	0.70	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	7.7	6.0	1.4	0.74	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	9.3	5.3	1.3	0.75	0.0
31	0.0	---	0.0	0.0	---	0.0	---	12	---	1.3	0.89	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.9	451.9	71.6	34.74	2.02
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.58	15.1	2.31	1.12	0.07
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97	896	142	69	4.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	24	4.8	2.3	0.86
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	1.3	0.70	0.0

CAL YR 1996 TOTAL 562.04 MEAN 1.54 MAX 18 MIN 0.00 AC-FT 1110
WTR YR 1997 TOTAL 609.16 MEAN 1.67 MAX 24 MIN 0.00 AC-FT 1210

MAX DISCH 30 CFS AT 1815 04-JUN-1997 GH 1.16 FT. SHIFT -0.02 FT. MAX GH 1.16 FT. AT 1815 04-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09063700 HOMESTAKE TUNNEL NEAR GOLD PARK, CO

LOCATION.--Lat 39°16'52", long 106°25'56"; Homestake tunnel diverts water from Homestake Lake, in sec. 17, T. 8 S., R. 81 W., in Eagle River basin, to Lake Fork Creek in Arkansas River basin.

GAGE.--F-type water-stage recorder with satellite telemetry located on a 12' Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Div. II personnel.

RATING TABLE.--HOMTUNCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

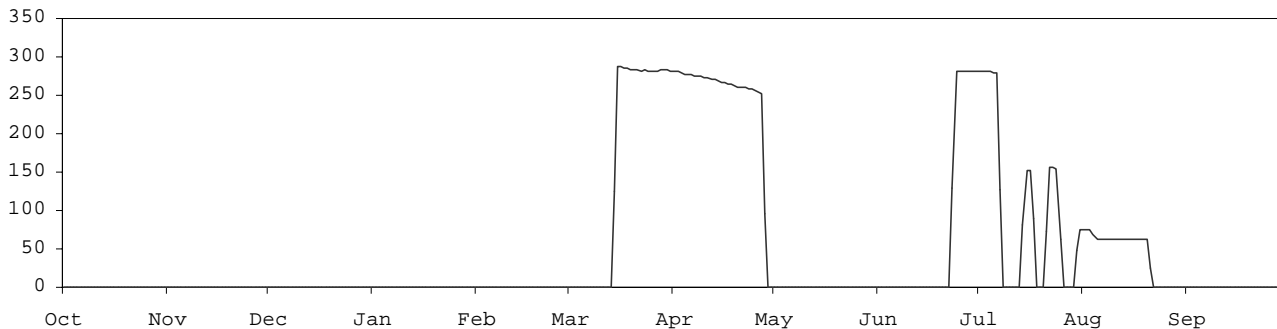
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	281	0.0	0.0	281	76	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	281	0.0	0.0	281	75	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	280	0.0	0.0	281	75	0.01
4	0.0	0.0	0.0	0.0	0.0	0.0	278	0.0	0.0	281	69	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	278	0.0	0.0	280	62	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	277	0.0	0.0	280	62	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	276	0.0	0.0	128	63	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	275	0.0	0.0	0.0	63	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	274	0.0	0.0	0.0	63	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	273	0.0	0.0	0.0	63	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	272	0.0	0.0	0.0	63	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	271	0.0	0.0	0.0	63	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	270	0.0	0.0	0.0	63	0.0
14	0.0	0.0	0.0	0.0	0.0	126	269	0.0	0.0	82	63	0.0
15	0.0	0.0	0.0	0.0	0.0	288	267	0.0	0.0	152	63	0.0
16	0.0	0.0	0.0	0.0	0.0	287	266	0.0	0.0	152	63	0.0
17	0.0	0.0	0.0	0.0	0.0	286	265	0.0	0.0	89	63	0.0
18	0.0	0.0	0.0	0.0	0.0	286	264	0.0	0.0	0.0	63	0.0
19	0.0	0.0	0.0	0.0	0.0	284	263	0.0	0.0	0.0	63	0.0
20	0.0	0.0	0.0	0.0	0.0	283	261	0.0	0.0	0.0	63	0.0
21	0.0	0.0	0.0	0.0	0.0	283	261	0.0	0.0	72	24	0.0
22	0.0	0.0	0.0	0.0	0.0	282	260	0.0	0.0	156	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	283	259	0.0	129	156	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	282	258	0.0	282	155	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	282	256	0.0	282	62	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	281	255	0.0	281	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	281	253	0.0	282	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	283	95	0.0	281	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	284	0.0	0.0	282	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	283	0.0	0.0	281	47	0.0	0.0
31	0.0	---	0.0	0.0	---	282	---	0.0	---	75	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	4946	7338	0.0	2100	3010	1325	0.01
MEAN	0.0	0.0	0.0	0.0	0.0	160	245	0.0	70.0	97.1	42.7	0.00
AC-FT	0.0	0.0	0.0	0.0	0.0	9810	14550	0.0	4170	5970	2630	0.02
MAX	0.0	0.0	0.0	0.0	0.0	288	281	0.0	282	281	76	0.01
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 19503.8 MEAN 53.3 MAX 276 MIN 0.00 AC-FT 38690
WTR YR 1997 TOTAL 18719.01 MEAN 51.3 MAX 288 MIN 0.00 AC-FT 37130

MAX DISCH 289 CFS AT 1515 14-MAR-1997 GH 3.10 FT. SHIFT 0.02 FT. MAX GH 3.10 FT. AT 1515 14-MAR-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 12' Parshall flume.

REMARKS.--Record good and reliable. Station maintained and records developed by Div. II personnel.

RATING TABLE.--TWTUNCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

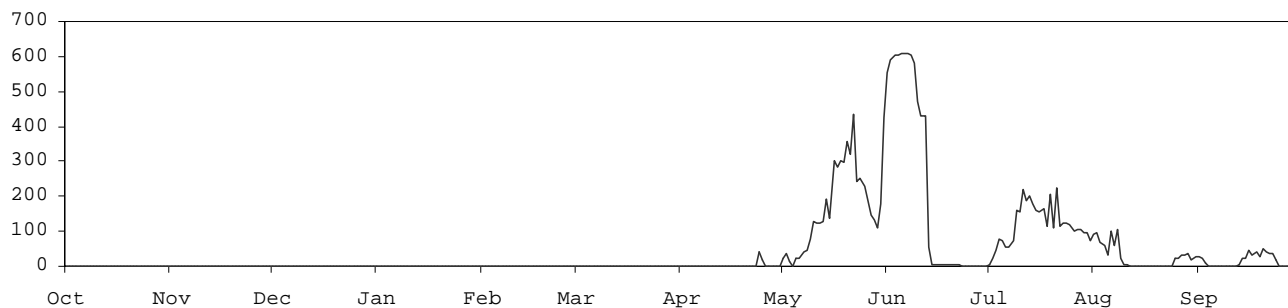
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.10	0.39	0.52	0.17	0.03	0.09	0.19	21	552	2.3	90	28
2	0.09	0.39	0.52	0.17	0.03	0.09	0.22	35	591	23	97	23
3	0.09	0.39	0.43	0.17	0.03	0.16	0.27	12	602	45	70	8.4
4	0.14	0.39	0.39	0.17	0.03	0.17	0.27	1.2	606	76	59	0.16
5	0.17	0.37	0.39	0.17	0.03	0.17	0.27	24	608	71	32	0.15
6	0.17	0.39	0.42	0.17	0.03	0.17	0.27	25	608	56	101	0.15
7	0.17	0.39	0.52	0.17	0.03	0.17	0.27	43	607	57	60	0.10
8	0.17	0.39	0.52	0.17	0.06	0.17	0.27	47	606	71	103	0.09
9	0.22	0.39	0.53	0.17	0.09	0.17	0.27	79	582	158	24	0.10
10	0.17	0.39	0.53	0.17	0.09	0.17	0.27	129	473	157	2.4	0.10
11	0.17	0.39	0.52	0.17	0.09	0.17	0.27	123	428	218	4.2	0.10
12	0.17	0.39	0.52	0.17	0.09	0.17	0.27	122	429	186	2.0	0.25
13	0.17	0.39	0.52	0.17	0.09	0.17	0.27	128	55	200	1.6	3.1
14	0.17	0.33	0.52	0.17	0.09	0.17	0.27	190	6.7	177	1.7	25
15	0.17	0.27	0.53	0.17	0.09	0.17	0.27	139	6.3	159	1.5	21
16	0.19	0.39	0.52	0.17	0.09	0.17	0.27	300	5.4	157	1.1	46
17	0.17	0.65	0.51	0.17	0.09	0.17	0.27	285	3.4	166	0.96	32
18	0.17	0.57	0.52	0.17	0.09	0.17	0.43	304	3.2	113	0.93	42
19	0.22	0.64	0.52	0.17	0.09	0.17	0.93	299	2.7	206	0.99	27
20	0.24	0.65	0.46	0.17	0.09	0.17	0.96	355	3.1	109	0.99	51
21	0.22	0.59	0.39	0.17	0.09	0.17	1.1	320	2.9	222	0.99	39
22	0.27	0.64	0.39	0.17	0.09	0.17	1.2	433	2.4	115	1.1	37
23	0.28	0.64	0.38	0.17	0.09	0.17	1.5	244	1.9	123	1.4	36
24	0.27	0.53	0.39	0.17	0.09	0.17	43	250	1.6	124	1.5	20
25	0.27	0.52	0.34	0.17	0.09	0.17	18	229	1.5	120	24	0.09
26	0.27	0.51	0.27	0.17	0.09	0.20	0.82	186	1.5	101	22	0.09
27	0.27	0.52	0.27	0.17	0.09	0.18	0.82	145	1.5	104	33	0.89
28	0.27	0.52	0.27	0.17	0.09	0.17	0.98	134	1.4	106	34	0.93
29	0.27	0.52	0.27	0.17	---	0.17	1.2	110	1.5	98	35	1.0
30	0.32	0.52	0.27	0.17	---	0.17	1.3	178	1.7	98	18	15
31	0.34	---	0.19	0.13	---	0.17	---	425	---	72	28	---
TOTAL	6.36	14.06	13.33	5.23	2.08	5.14	76.69	5315.2	6795.7	3690.3	853.36	457.71
MEAN	0.21	0.47	0.43	0.17	0.07	0.17	2.56	171	227	119	27.5	15.3
AC-FT	13	28	26	10	4.1	10	152	10540	13480	7320	1690	908
MAX	0.34	0.65	0.53	0.17	0.09	0.20	43	433	608	222	103	51
MIN	0.09	0.27	0.19	0.13	0.03	0.09	0.19	1.2	1.4	2.3	0.93	0.09

CAL YR 1996 TOTAL 16502.55 MEAN 45.1 MAX 591 MIN 0.09 AC-FT 32730
WTR YR 1997 TOTAL 17235.15 MEAN 47.2 MAX 608 MIN 0.03 AC-FT 34190

MAX DISCH 616 CFS AT 2215 05-JUN-1997 GH 5.01 FT. SHIFT 0.00 FT. MAX GH 5.01 FT. AT 2215 05-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09077160 BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE, CO

LOCATION.--Lat 39°16'40", long 106°25'40"; Charles H. Boustead Tunnel diverts water from the main stem and tributaries of Fryingpan River in Colorado River basin, to Lake Fork in sec. 10, T. 9 S., R. 81 W., in Arkansas River basin.

GAGE.--Water-stage recorder with satellite telemetry located at 15' Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Div. II personnel.

RATING TABLE.--BOUTUNCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

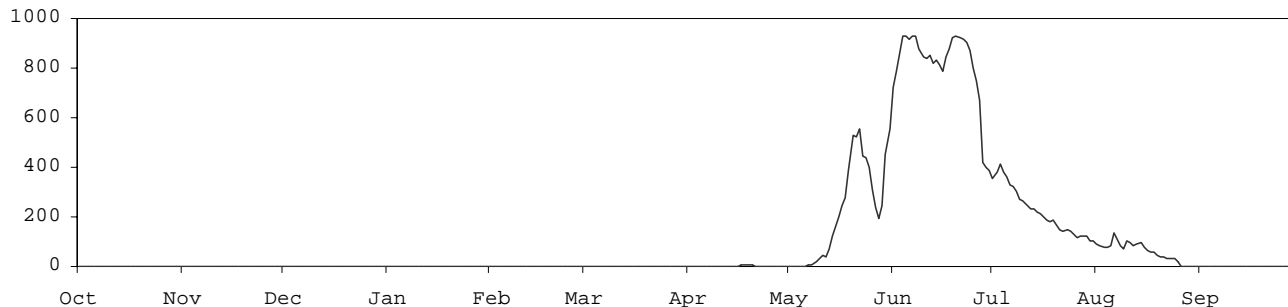
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	1.7	2.5	2.5	2.5	2.8	3.1	3.2	721	353	92	2.5
2	1.9	1.7	2.5	2.5	2.5	2.8	3.0	3.1	785	382	81	2.6
3	2.0	1.7	2.5	2.5	2.5	2.8	3.0	3.1	856	414	77	2.5
4	2.1	1.7	2.5	2.5	2.5	2.8	3.1	3.1	929	381	80	2.5
5	2.0	1.7	2.5	2.5	2.5	2.8	3.1	3.1	926	362	86	2.5
6	2.0	1.7	2.5	2.5	2.5	2.8	3.1	3.1	918	331	133	2.5
7	1.9	1.7	2.5	2.5	2.5	2.8	3.1	3.5	932	320	109	2.5
8	1.9	1.7	2.5	2.5	2.5	2.8	3.1	7.7	928	301	82	2.5
9	1.9	1.7	2.5	2.5	2.5	2.8	3.1	17	877	270	73	2.2
10	1.9	1.7	2.5	2.5	2.5	2.9	3.1	32	843	263	105	2.2
11	1.9	2.5	2.5	2.5	2.5	2.9	3.1	43	841	250	95	2.2
12	1.9	2.5	2.5	2.5	2.5	3.0	3.1	36	849	232	82	2.2
13	1.9	2.5	2.5	2.5	2.5	3.1	3.1	69	819	231	90	2.2
14	1.9	2.5	2.5	2.5	2.5	3.1	3.1	120	831	220	98	2.2
15	1.9	2.5	2.5	2.5	2.5	3.1	3.1	163	811	212	77	2.2
16	1.9	2.5	2.5	2.5	2.6	3.1	3.1	203	789	197	67	2.2
17	1.9	2.5	2.5	2.5	2.8	3.1	3.3	243	844	186	60	2.4
18	1.9	2.5	2.5	2.5	2.8	3.1	3.4	277	877	181	58	2.5
19	1.8	2.5	2.5	2.5	2.8	3.1	3.4	390	920	186	42	2.5
20	1.7	2.5	2.5	2.5	2.8	3.1	3.3	529	932	169	38	2.3
21	1.7	2.5	2.5	2.5	2.8	3.1	3.1	525	924	150	36	2.5
22	1.7	2.5	2.5	2.5	2.8	3.1	3.1	553	914	142	34	2.5
23	1.7	2.5	2.5	2.5	2.8	3.1	3.1	443	904	148	32	2.5
24	1.7	2.5	2.5	2.5	2.8	3.1	3.1	440	870	139	32	2.5
25	1.7	2.5	2.5	2.5	2.8	3.1	3.1	397	801	127	21	2.5
26	1.7	2.5	2.5	2.5	2.8	3.1	3.1	307	751	114	2.8	2.5
27	1.7	2.5	2.5	2.5	2.8	3.1	3.1	236	673	122	2.8	2.7
28	1.7	2.5	2.5	2.5	2.8	3.1	3.1	192	417	125	2.8	2.8
29	1.7	2.5	2.5	2.5	---	3.1	3.1	242	403	123	2.5	2.8
30	1.7	2.5	2.5	2.5	---	3.1	3.1	452	388	106	2.5	2.8
31	1.7	---	2.5	2.5	---	3.1	---	558	---	104	2.5	---
TOTAL	56.9	67.0	77.5	77.5	73.7	92.9	93.8	6496.9	24273	6841	1795.9	73.5
MEAN	1.84	2.23	2.50	2.50	2.63	3.00	3.13	210	809	221	57.9	2.45
AC-FT	113	133	154	154	146	184	186	12890	48150	13570	3560	146
MAX	2.1	2.5	2.5	2.5	2.8	3.1	3.4	558	932	414	133	2.8
MIN	1.7	1.7	2.5	2.5	2.5	2.8	3.0	3.1	388	104	2.5	2.2

CAL YR 1996 TOTAL 19408.6 MEAN 53.0 MAX 731 MIN 1.7 AC-FT 38500
WTR YR 1997 TOTAL 40019.6 MEAN 110 MAX 932 MIN 1.7 AC-FT 79380

MAX DISCH 950 CFS AT 2200 19-JUN-1997 GH 5.77 FT. SHIFT -0.02 FT. MAX GH 5.77 FT. AT 2200 19-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09077500 BUSK-IVANHOE TUNNEL AT EAST PORTAL NEAR MALTA, CO

LOCATION.--Lat 39°14'55", long 106°28'14"; Water diverted from Ivanhoe Lake, tributary to Fryingpan River in sec. 13, T. 9 S., R. 82 W., in Roaring Fork River basin, to Busk Creek (tributary to Lake Fork) in sec. 20, T. 9 S., R. 81 W., in Arkansas River basin.

GAGE.--F-type water stage recorder with satellite telemetry located on an 8' Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Div. II personnel.

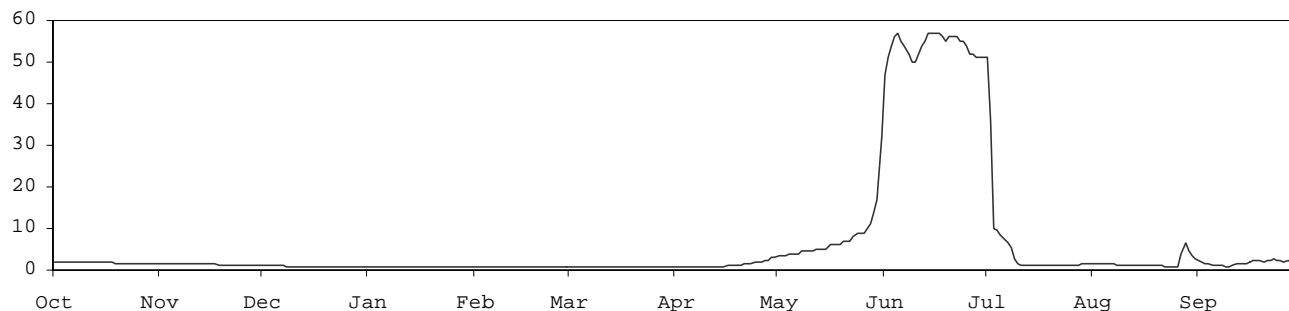
RATING TABLE.--BUSTUNCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	1.6	1.0	0.80	0.70	0.70	0.70	3.5	47	51	1.5	2.3
2	2.0	1.6	1.0	0.80	0.70	0.70	0.70	3.5	51	36	1.5	1.9
3	2.0	1.6	1.0	0.80	0.70	0.70	0.80	3.5	54	10	1.5	1.6
4	2.0	1.6	1.0	0.80	0.70	0.70	0.80	4.0	56	9.5	1.5	1.5
5	1.8	1.6	1.0	0.80	0.70	0.70	0.80	4.0	57	8.6	1.5	1.3
6	1.8	1.6	1.0	0.80	0.70	0.70	0.80	4.0	55	7.6	1.6	1.1
7	1.8	1.6	1.0	0.80	0.70	0.70	0.80	4.0	54	6.6	1.4	1.1
8	1.8	1.5	0.90	0.80	0.70	0.70	0.80	4.5	52	5.2	1.2	1.0
9	1.8	1.5	0.90	0.80	0.70	0.70	0.80	4.5	50	2.7	1.2	0.92
10	1.8	1.5	0.90	0.80	0.70	0.70	0.90	4.5	50	1.4	1.2	0.92
11	1.8	1.5	0.90	0.80	0.70	0.70	0.90	4.5	52	1.3	1.2	0.97
12	1.8	1.5	0.90	0.80	0.70	0.70	0.90	5.0	54	1.2	1.2	1.4
13	1.8	1.5	0.90	0.80	0.70	0.70	0.90	5.0	55	1.1	1.2	1.5
14	1.8	1.4	0.90	0.80	0.70	0.70	0.90	5.0	57	1.1	1.2	1.6
15	1.8	1.4	0.90	0.80	0.70	0.70	0.90	5.0	57	1.1	1.2	1.6
16	1.8	1.4	0.90	0.80	0.70	0.70	1.0	6.0	57	1.1	1.2	2.1
17	1.8	1.4	0.90	0.80	0.70	0.70	1.0	6.0	57	1.1	1.2	2.2
18	1.8	1.3	0.90	0.80	0.70	0.70	1.0	6.0	56	1.1	1.0	2.2
19	1.7	1.3	0.90	0.80	0.70	0.70	1.0	6.0	55	1.1	1.1	2.2
20	1.7	1.3	0.90	0.80	0.70	0.70	1.0	7.0	56	1.1	1.1	2.1
21	1.7	1.3	0.90	0.80	0.70	0.70	1.5	7.0	56	1.1	1.1	2.2
22	1.7	1.2	0.90	0.80	0.70	0.70	1.5	7.0	56	1.1	0.92	2.5
23	1.7	1.2	0.90	0.80	0.70	0.70	1.5	8.0	55	1.1	0.92	2.6
24	1.7	1.2	0.90	0.80	0.70	0.70	2.0	9.0	55	1.1	0.79	2.4
25	1.7	1.2	0.80	0.70	0.70	0.70	2.0	9.0	54	1.1	0.79	2.2
26	1.7	1.1	0.80	0.70	0.70	0.70	2.0	9.0	52	1.2	0.69	2.1
27	1.7	1.1	0.80	0.70	0.70	0.70	2.5	10	52	1.2	3.7	2.3
28	1.7	1.1	0.80	0.70	0.70	0.70	2.5	11	51	1.3	6.4	2.1
29	1.7	1.1	0.80	0.70	---	0.70	3.0	14	51	1.4	4.7	2.0
30	1.7	1.0	0.80	0.70	---	0.70	3.2	17	51	1.4	3.3	1.9
31	1.7	---	0.80	0.70	---	0.70	---	32	---	1.5	2.7	---
TOTAL	55.3	41.2	27.90	24.10	19.60	21.70	39.10	228.5	1615	163.4	51.71	53.81
MEAN	1.78	1.37	0.90	0.78	0.70	0.70	1.30	7.37	53.8	5.27	1.67	1.79
AC-FT	110	82	55	48	39	43	78	453	3200	324	103	107
MAX	2.0	1.6	1.0	0.80	0.70	0.70	3.2	32	57	51	6.4	2.6
MIN	1.7	1.0	0.80	0.70	0.70	0.70	0.70	3.5	47	1.1	0.69	0.92
CAL YR 1996 TOTAL		1235.40	MEAN	3.38	MAX	63	MIN	0.45	AC-FT	2450		
WTR YR 1997 TOTAL		2341.32	MEAN	6.41	MAX	57	MIN	0.69	AC-FT	4640		

MAX DISCH 59 CFS AT 1845 04-JUN-1997 GH 1.44 FT. SHIFT 0.02 FT. MAX GH 1.44 FT. AT 1845 04-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO

LOCATION.--Lat 38°23'00", long 106°15'00", diverts water from tributaries of Tomichi Creek between headgates (in sec. 11, T.48 N., R.6 E., and sec. 1, T.47 N., R.6 E.), and Marshall Pass, in Gunnison River basin, to Poncha Creek (tributary to South Arkansas River) in SE¼ sec. 24, T.48 N., R.6 E., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--LARDITCO01 USED FROM 01-OCT-1996 TO 11-JUN-1997

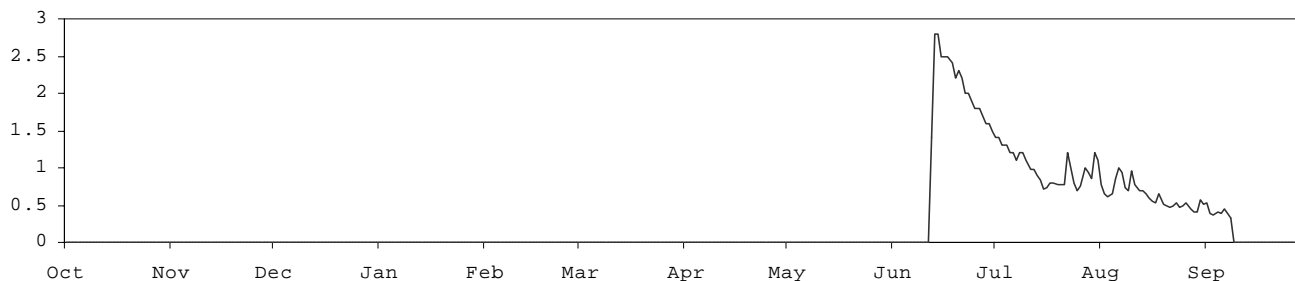
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.78	0.53
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.66	0.38
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.61	0.36
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.65	0.40
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.86	0.39
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.0	0.45
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.93	0.39
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.74	0.32
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.69	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.95	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.98	0.78	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.98	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.89	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.84	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.72	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.74	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.80	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.79	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.78	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.78	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.77	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.2	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.80	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.70	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.75	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.94	0.0
29	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.6	0.85	0.0
30	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.5	1.2	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	1.1	0.52	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.5	31.01	19.37	3.22
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.32	1.00	0.62	0.11
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78	62	38	6.4
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.4	1.0	0.53
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.70	0.40	0.0

CAL YR 1996 TOTAL 28.13 MEAN 0.08 MAX 0.64 MIN 0.00 AC-FT 56
WTR YR 1997 TOTAL 93.09 MEAN 0.26 MAX 2.8 MIN 0.00 AC-FT 185

MAX DISCH 3.6 CFS AT 2030 22-JUL-1997 GH 0.42 FT. SHIFT -0.03 FT. MAX GH 0.42 FT. AT 2030 22-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08213500 RIO GRANDE AT THIRTYMILE BRIDGE, NEAR CREEDE, CO

LOCATION.--Lat 37°43'30", long 107°15'18", in NE¼ sec. 13, T.40 N., R.4 W., Hinsdale County, Hydrologic Unit 13010001, on right bank 70 ft downstream from bridge, 500 ft upstream from Squaw Creek, 0.7 mi downstream from Rio Grande Reservoir, and 20 mi southwest of Creede.

DRAINAGE AREA AND PERIOD OF RECORD.--163 mi². June 1909 to Sep. 1923, May 1925 to current year. No winter records 1910, 1926. Monthly data only for some periods.

GAGE.--Water-stage recorder with satellite telemetry in a timber shelter and metal well. Elevation of gage is 9,300 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for Oct. 15, 1996; May 12, 1997 when the chart recorder clock stopped and there was missing satellite data; Oct. 30, 1996-Mar. 28, 1997 when the station was closed for the winter; Mar. 29-Apr. 4, 1997 when the station was isolated, and Apr. 5-17, 1997 when the well was frozen. Record good except for periods of no gage-height record which are fair. Station maintained and record developed by Div. III Hydrographic Staff.

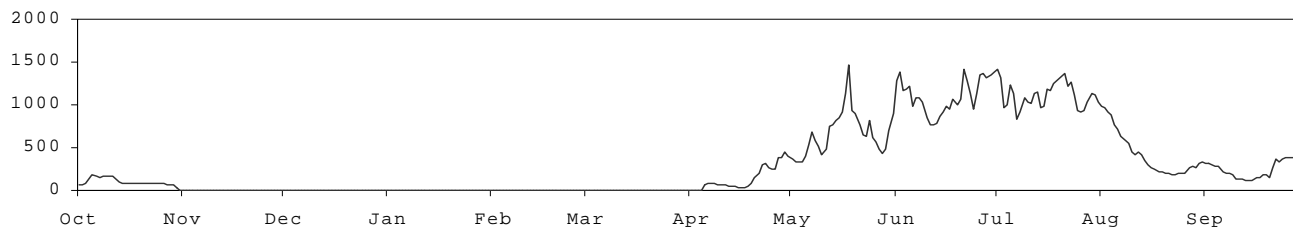
RATING TABLE.--RIOMILCO12 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	3.5	4.0	5.0	6.0	7.0	7.7	361	1290	1420	988	320
2	70	3.5	4.0	5.0	6.0	7.0	7.7	339	1380	1310	969	311
3	90	3.5	4.0	5.0	6.0	7.0	7.7	327	1170	969	923	301
4	127	3.5	4.0	5.0	6.0	7.0	7.7	327	1180	1000	881	288
5	179	3.5	4.0	5.0	6.0	7.0	63	397	1210	1230	774	276
6	167	3.5	4.0	5.0	6.0	7.0	90	541	981	1140	714	224
7	148	3.5	4.0	5.0	6.0	7.0	80	682	1080	827	630	196
8	160	3.5	4.0	5.0	6.0	7.0	80	576	1080	921	577	192
9	167	3.5	4.0	5.0	6.0	7.0	67	514	1030	1080	545	184
10	170	3.5	4.0	5.0	6.0	7.0	65	414	847	1040	450	141
11	167	3.5	4.0	5.0	6.0	7.0	65	476	764	1010	422	127
12	133	3.5	4.0	5.0	6.5	7.0	50	744	771	1130	443	131
13	95	3.5	4.0	5.5	6.5	7.0	50	765	778	1150	413	123
14	78	3.5	4.5	5.5	6.5	7.5	50	816	863	972	347	118
15	78	3.5	4.5	5.5	6.5	7.5	40	856	919	984	308	124
16	78	3.5	4.5	5.5	6.5	7.5	40	918	979	1190	273	145
17	78	3.5	4.5	5.5	6.5	7.5	35	1130	949	1170	246	152
18	78	3.5	4.5	5.5	6.5	7.5	58	1460	1060	1250	214	190
19	78	3.5	4.5	5.5	6.5	7.5	88	938	994	1300	219	176
20	78	3.5	4.5	5.5	6.5	7.5	147	906	1070	1330	208	158
21	78	3.5	4.5	5.5	6.5	7.5	203	774	1420	1370	197	270
22	78	3.5	4.5	5.5	6.5	7.5	294	648	1280	1210	184	374
23	78	3.5	4.5	5.5	6.5	7.5	323	634	1130	1260	191	337
24	78	3.5	4.5	5.5	6.5	7.5	268	813	948	1110	197	375
25	78	3.5	4.5	5.5	6.5	7.5	246	624	1140	933	198	376
26	78	3.5	4.5	5.5	6.5	7.5	246	572	1350	912	198	381
27	68	3.5	4.5	5.5	7.0	7.5	383	487	1370	935	268	386
28	64	3.5	4.5	6.0	7.0	7.7	390	433	1320	1040	289	381
29	62	4.0	5.0	6.0	---	7.7	450	483	1350	1130	267	367
30	30	4.0	5.0	6.0	---	7.7	406	707	1380	1110	315	355
31	3.5	---	5.0	6.0	---	7.7	---	895	---	1040	328	---
TOTAL	2984.5	106.0	134.5	166.5	177.5	226.8	4307.8	20557	33083	34473	13176	7479
MEAN	96.3	3.53	4.34	5.37	6.34	7.32	144	663	1103	1112	425	249
AC-FT	5920	210	267	330	352	450	8540	40770	65620	68380	26130	14830
MAX	179	4.0	5.0	6.0	7.0	7.7	450	1460	1420	1420	988	386
MIN	3.5	3.5	4.0	5.0	6.0	7.0	7.7	327	764	827	184	118
CAL YR 1996 TOTAL	64074.0		MEAN	175	MAX	1300	MIN	3.5	AC-FT	127100		
WTR YR 1997 TOTAL	116871.6		MEAN	320	MAX	1460	MIN	3.5	AC-FT	231800		

MAX DISCH 1674 CFS AT 1145 02-JUN-1997 GH 4.07 FT. SHIFT 0.00 FT. MAX GH 4.07 FT. AT 1145 02-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08214500 NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO

LOCATION.--Lat 37°53'18", long 107°12'10", in NE¼SE¼ sec. 21, T.42 N., R.3 W., Hinsdale County, Hydrologic Unit 13010001, on left bank 100 ft downstream from bridge, 1,000 ft downstream from Continental Reservoir, and 15 mi west of Creede.

DRAINAGE AREA.--51.7 mi².

GAGE.--Graphic water-stage recorder with satellite monitoring in a 4'x4' timber shelter and concrete well at a concrete trapezoidal section 12' wide at the base and 20' wide at the top. Elevation of gage is 10,200 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for Nov. 10-Dec. 4, 1996 when the well was frozen, and Dec. 5, 1996-Apr. 29, 1997 when the station was closed for the winter. Record is good except for periods of no gage-height record which are fair. Station maintained and record developed by Div. III Hydrographic staff.

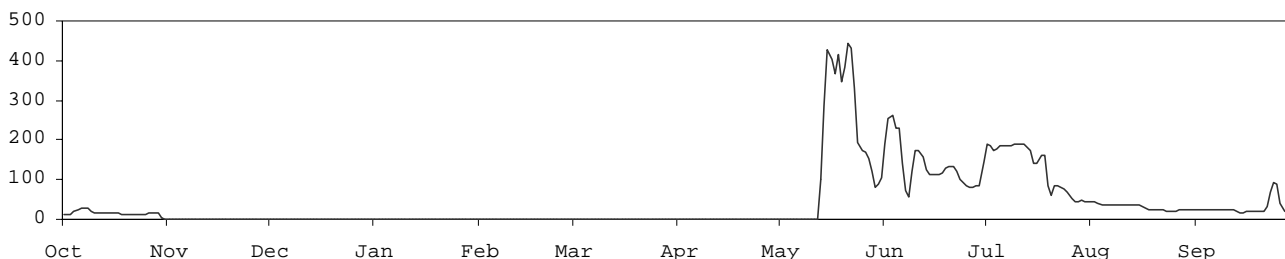
RATING TABLE.--NCLCONCO20 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	0.25	0.25	0.25	0.30	0.30	0.35	0.25	190	189	43	26
2	12	0.25	0.25	0.25	0.30	0.30	0.35	0.25	256	185	43	26
3	14	0.25	0.25	0.25	0.30	0.30	0.35	0.25	261	174	42	26
4	19	0.25	0.25	0.25	0.30	0.30	0.35	0.29	231	177	37	26
5	26	0.25	0.25	0.25	0.30	0.30	0.35	0.34	230	185	35	26
6	27	0.25	0.25	0.25	0.30	0.30	0.35	0.35	142	187	35	26
7	29	0.25	0.25	0.25	0.30	0.30	0.35	0.35	73	185	36	26
8	29	0.25	0.25	0.25	0.30	0.30	0.35	0.35	56	184	36	24
9	22	0.25	0.25	0.25	0.30	0.30	0.35	0.35	122	188	36	23
10	17	0.25	0.25	0.25	0.30	0.30	0.35	0.35	172	188	36	23
11	16	0.25	0.25	0.25	0.30	0.30	0.35	0.35	173	189	36	23
12	15	0.25	0.25	0.25	0.30	0.30	0.35	0.35	157	189	36	23
13	15	0.25	0.25	0.25	0.30	0.30	0.35	100	125	182	36	20
14	15	0.25	0.25	0.25	0.30	0.30	0.35	285	113	175	35	18
15	16	0.25	0.25	0.25	0.30	0.30	0.35	428	113	143	35	18
16	16	0.25	0.25	0.30	0.30	0.35	0.35	404	113	142	33	19
17	16	0.25	0.25	0.30	0.30	0.35	0.35	366	113	160	27	19
18	14	0.25	0.25	0.30	0.30	0.35	0.35	414	118	160	25	19
19	13	0.25	0.25	0.30	0.30	0.35	0.35	348	128	86	25	20
20	13	0.25	0.25	0.30	0.30	0.35	0.35	385	132	60	25	20
21	13	0.25	0.25	0.30	0.30	0.35	0.35	445	132	83	25	22
22	13	0.25	0.25	0.30	0.30	0.35	0.35	432	122	85	23	33
23	13	0.25	0.25	0.30	0.30	0.35	0.35	331	102	82	21	68
24	13	0.25	0.25	0.30	0.30	0.35	0.35	193	94	78	21	94
25	14	0.25	0.25	0.30	0.30	0.35	0.35	172	85	70	21	88
26	16	0.25	0.25	0.30	0.30	0.35	0.35	170	80	54	22	42
27	16	0.25	0.25	0.30	0.30	0.35	0.35	153	79	46	23	22
28	16	0.25	0.25	0.30	0.30	0.35	0.35	119	83	46	23	22
29	18	0.25	0.25	0.30	---	0.35	0.35	80	85	47	23	19
30	4.8	0.25	0.25	0.30	---	0.35	0.25	89	144	45	23	15
31	0.29	---	0.25	0.30	---	0.35	---	103	---	43	24	---
TOTAL	495.09	7.50	7.75	8.55	8.40	10.10	10.40	5020.83	4024	4007	941	876
MEAN	16.0	0.25	0.25	0.28	0.30	0.33	0.35	162	134	129	30.4	29.2
AC-FT	982	15	15	17	17	20	21	9960	7980	7950	1870	1740
MAX	29	0.25	0.25	0.30	0.30	0.35	0.35	445	261	189	43	94
MIN	0.29	0.25	0.25	0.25	0.30	0.30	0.25	0.25	56	43	21	15
CAL YR 1996 TOTAL	10118.59	MEAN	27.6	MAX	257	MIN	0.25	AC-FT	20070			
WTR YR 1997 TOTAL	15416.63	MEAN	42.2	MAX	445	MIN	0.25	AC-FT	30580			

MAX DISCH 514 CFS AT 1815 15-MAY-1997 GH 3.43 FT. SHIFT 0.09 FT. MAX GH 3.43 FT. AT 1815 15-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08218500 GOOSE CREEK AT WAGONWHEEL GAP, CO

LOCATION.--Lat 37°45'07", long 106°49'46", in SW¼SE¼ sec. 35, T.41 N., R.1 E., Mineral County, Hydrologic Unit 13010001, on left bank 0.2 mi downstream from Pierce Creek, 1.0 mi upstream from mouth, 1.0 mi south of Wagonwheel Gap, and 8.8 mi southeast of Creede.

DRAINAGE AREA.--90 mi².

GAGE.--Water-stage recorder in a corrugated metal shelter and well. Elevation of gage is 8,460 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 15, 1996 when the pen was not inking; Dec. 24-30, 1996 when the float was frozen; Dec. 31, 1996-Mar. 28, 1997 when station was closed for the winter. Gage height effected by ice Oct. 22, Nov. 1-2, 7-14,16-18,21,24-30, Dec. 1-9, 12-20, 23, 1996. Records are good except for periods of no gage height and ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

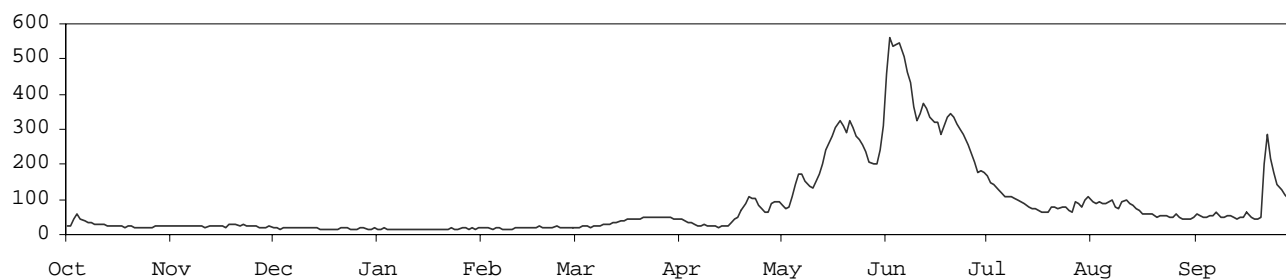
RATING TABLE.--GOOWAGCO09 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	25	18	17	19	19	45	85	456	166	94	59
2	23	25	20	17	18	21	40	76	562	149	87	52
3	44	25	17	18	18	25	36	79	534	141	92	51
4	59	25	19	17	17	23	35	108	539	130	90	50
5	44	25	19	17	19	21	30	141	544	120	90	52
6	37	23	20	15	20	23	25	172	506	110	92	52
7	35	23	18	14	16	25	26	172	462	110	99	63
8	32	23	18	16	16	27	28	152	435	106	77	51
9	30	23	18	16	17	31	26	138	363	101	74	49
10	29	23	20	17	17	30	25	133	327	99	92	56
11	28	22	20	16	19	30	24	153	345	94	99	52
12	28	23	18	17	19	34	21	172	372	90	90	49
13	25	24	18	17	21	34	24	204	358	81	83	46
14	25	24	18	16	19	40	25	242	336	76	76	49
15	24	23	16	15	20	40	26	260	322	72	68	49
16	24	23	17	14	21	42	32	280	318	68	59	63
17	23	22	15	14	22	43	42	304	284	64	58	51
18	20	29	15	15	24	44	51	327	309	64	59	46
19	23	29	16	17	22	45	68	309	332	66	58	44
20	23	29	16	17	22	45	87	292	345	79	49	48
21	20	26	21	17	21	47	110	327	336	77	54	201
22	18	28	19	16	20	49	103	304	314	76	52	284
23	22	26	18	18	23	49	101	280	300	81	52	218
24	21	23	16	16	22	49	85	272	284	81	49	175
25	22	23	16	16	21	47	74	256	256	68	51	144
26	20	23	17	19	20	48	64	236	232	64	61	126
27	23	21	19	18	22	49	66	208	208	92	51	113
28	24	19	18	16	21	49	87	200	178	87	46	103
29	23	22	17	18	---	48	92	204	181	81	45	92
30	26	23	17	17	---	46	92	239	175	96	44	79
31	26	---	18	19	---	46	---	309	---	108	51	---
TOTAL	845	722	552	512	556	1169	1590	6634	10513	2897	2142	2567
MEAN	27.3	24.1	17.8	16.5	19.9	37.7	53.0	214	350	93.5	69.1	85.6
AC-FT	1680	1430	1090	1020	1100	2320	3150	13160	20850	5750	4250	5090
MAX	59	29	21	19	24	49	110	327	562	166	99	284
MIN	18	19	15	14	16	19	21	76	175	64	44	44
CAL YR 1996 TOTAL		11488	MEAN	31.4	MAX	155	MIN	12	AC-FT	22790		
WTR YR 1997 TOTAL		30699	MEAN	84.1	MAX	562	MIN	14	AC-FT	60890		

MAX DISCH 659 CFS AT 2330 04-JUN-1997 GH 4.17 FT. SHIFT 0.00 FT. MAX GH 4.17 FT. AT 2330 04-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08219500 SOUTH FORK RIO GRANDE AT SOUTH FORK, CO

LOCATION.--Lat 37°39'25", long 106°38'55", in SW¼SE¼ sec. 3, T.39 N., R.3 E., Rio Grande County, Hydrologic Unit 13010001, on left bank near U.S. Highway 160, 0.1 mile downstream from Church Creek, 0.9 mi southwest of village of South Fork, and 1.5 mi upstream from mouth.

DRAINAGE AREA.--216 mi².

GAGE.--Water-stage recorder with satellite telemetry in a timber shelter and metal pipe well. Datum of gage is 8,221.79 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for Dec. 21, 1995 through Mar. 12, 1996 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 11, 12, 27-30, and Dec. 1-3, 10-12, 15-20, 1995. Record is good except for periods of no gage-height record and ice effect which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOSFKCO9 USED FROM 01-OCT-1996 TO 30-SEP-1997

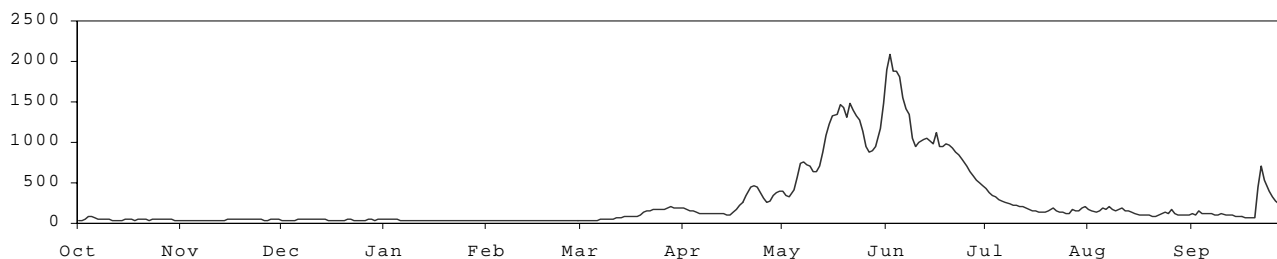
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	40	41	44	43	37	196	391	1900	434	169	127
2	42	40	43	44	42	39	176	341	2080	384	149	109
3	59	43	40	45	42	42	161	333	1880	350	142	162
4	86	43	42	44	40	41	160	409	1880	321	150	129
5	78	42	42	44	42	39	145	565	1810	297	182	120
6	65	42	46	39	43	42	126	734	1550	277	174	120
7	58	40	44	36	38	45	122	759	1410	264	201	120
8	50	40	44	41	38	47	118	725	1350	244	167	100
9	46	41	45	41	39	52	127	709	1060	226	147	97
10	44	41	50	43	39	54	119	642	954	218	170	117
11	43	40	48	41	41	56	119	634	1000	211	189	111
12	42	41	45	43	41	66	114	703	1040	203	163	107
13	42	43	44	43	42	68	123	881	1050	183	149	97
14	41	43	45	42	40	80	109	1090	1010	168	145	94
15	44	45	40	39	41	82	111	1230	978	155	128	81
16	44	46	42	37	41	84	132	1330	1120	148	108	90
17	45	44	38	37	42	86	176	1350	950	141	96	75
18	42	46	37	40	43	88	226	1470	946	134	97	68
19	44	48	40	41	42	100	253	1430	976	137	102	65
20	50	48	40	41	42	130	347	1310	961	147	90	66
21	45	46	45	42	40	150	447	1490	935	184	93	455
22	43	49	46	40	39	160	472	1390	881	155	100	715
23	49	47	43	43	42	170	444	1320	840	146	113	541
24	49	45	40	40	41	180	373	1280	787	146	136	404
25	49	45	41	40	40	170	307	1140	709	128	117	328
26	45	43	43	43	39	180	256	941	634	123	164	273
27	46	41	46	43	41	190	273	878	578	168	128	233
28	47	45	44	39	40	200	346	893	529	160	109	208
29	45	46	43	42	---	194	374	952	503	155	101	190
30	41	47	44	40	---	187	389	1170	473	186	98	165
31	43	---	44	43	---	193	---	1490	---	210	95	---
TOTAL	1509	1310	1335	1280	1143	3252	6841	29980	32774	6403	4172	5567
MEAN	48.7	43.7	43.1	41.3	40.8	105	228	967	1092	207	135	186
AC-FT	2990	2600	2650	2540	2270	6450	13570	59470	65010	12700	8280	11040
MAX	86	49	50	45	43	200	472	1490	2080	434	201	715
MIN	41	40	37	36	38	37	109	333	473	123	90	65

CAL YR 1996 TOTAL 40324 MEAN 110 MAX 844 MIN 31 AC-FT 79980
WTR YR 1997 TOTAL 95566 MEAN 262 MAX 2080 MIN 36 AC-FT 189600

MAX DISCH 2426 CFS AT 2315 01-JUN-1997 GH 6.15 FT. SHIFT -0.01 FT. MAX GH 6.15 FT. AT 2315 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08220000 RIO GRANDE NEAR DEL NORTE, CO

LOCATION.--Lat 37°41'22", long 106°27'38", in NW¼ sec. 29, T.40 N., R.5 E., Rio Grande County, Hydrologic Unit 13010001, on right bank 20 ft downstream from county highway bridge, 6.0 mi west of Del Norte, and 5 mi upstream from Pinos Creek.

DRAINAGE AREA.--1,320 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,980.25 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for Jan. 17-20, 1997 when the well was frozen. Stage-discharge relation affected by ice Nov. 8, 17-18, 27-30; Dec. 1, 1996-Jan. 16, 1997, and Jan. 21-Mar. 13, 1997. Record is good except for periods of no gage height and ice affected record which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIODELCO03 USED FROM 01-OCT-1996 TO 30-SEP-1997

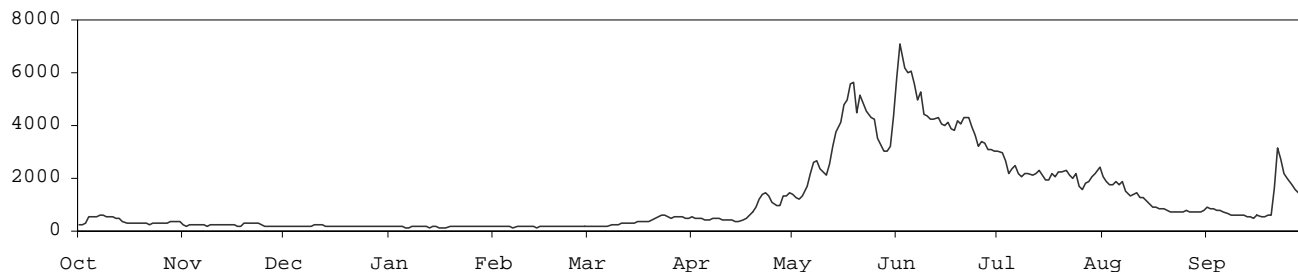
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	245	265	170	180	190	170	540	1380	5800	3060	2070	885
2	242	212	180	170	200	170	497	1270	7090	2950	1870	843
3	283	224	170	180	180	180	455	1210	6160	2650	1780	834
4	554	253	180	170	160	170	458	1350	5990	2210	1730	790
5	555	254	180	160	170	170	422	1680	6070	2370	1850	788
6	549	250	200	150	180	190	404	2200	5590	2460	1750	736
7	596	213	200	150	150	200	494	2580	4940	2170	1870	689
8	581	182	200	160	160	230	491	2660	5300	2050	1510	617
9	536	233	200	160	160	240	480	2390	4450	2210	1360	588
10	520	239	240	160	170	250	449	2220	4370	2200	1370	633
11	518	220	240	170	160	280	434	2110	4250	2120	1460	614
12	512	219	220	160	160	300	398	2550	4270	2210	1300	596
13	475	246	210	150	170	310	399	3200	4300	2280	1250	559
14	369	260	210	170	150	309	380	3740	4080	2100	1140	545
15	308	266	200	160	160	313	377	4120	4000	1960	1030	515
16	304	252	200	140	160	353	394	4780	4110	1930	934	596
17	296	182	170	140	170	357	475	4980	3890	2170	907	575
18	275	205	170	150	170	347	587	5560	3840	2050	862	534
19	273	275	170	160	170	374	708	5610	4170	2220	833	580
20	302	281	170	160	170	433	893	4460	4040	2270	766	581
21	297	275	190	170	160	512	1210	5170	4300	2310	740	1650
22	256	292	200	160	160	573	1390	4870	4280	2130	730	3180
23	274	294	180	160	170	620	1450	4560	3910	2000	728	2740
24	279	246	160	170	170	632	1310	4310	3660	2200	749	2210
25	290	210	170	170	160	537	1110	4250	3230	1710	717	2010
26	298	211	160	180	170	486	1000	3540	3370	1580	797	1760
27	331	185	190	180	160	526	996	3300	3330	1840	754	1560
28	363	178	180	170	180	517	1320	3050	3120	1860	753	1430
29	362	165	170	180	---	549	1320	3010	3070	2060	724	1340
30	359	175	180	180	---	502	1460	3240	3050	2200	711	1240
31	348	---	180	190	---	514	---	4360	---	2440	775	---
TOTAL	11750	6962	5840	5110	4690	11314	22301	103710	132030	67970	35820	32218
MEAN	379	232	188	165	168	365	743	3345	4401	2193	1155	1074
AC-FT	23310	13810	11580	10140	9300	22440	44230	205700	261900	134800	71050	63900
MAX	596	294	240	190	200	632	1460	5610	7090	3060	2070	3180
MIN	242	165	160	140	150	170	377	1210	3050	1580	711	515

CAL YR 1996 TOTAL 200510 MEAN 548 MAX 3380 MIN 140 AC-FT 397700
WTR YR 1997 TOTAL 439715 MEAN 1205 MAX 7090 MIN 140 AC-FT 872200

MAX DISCH 7436 CFS AT 1045 02-JUN-1997 GH 5.33 FT. SHIFT 0.03 FT. MAX GH 5.33 FT. AT 1045 02-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO

LOCATION.--Lat 37°35'30", long 106°27'05", in SW¼SE¼ sec. 29, T.39 N., R.5 E., Rio Grande County, Hydrologic Unit 13010002, on left bank 90 ft. downstream from Bennett Creek and 8.0 mi. southwest of Del Norte, Co.

DRAINAGE AREA.--53 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry on rectangular concrete box control. Altitude of gage is 8,480 ft. from topographic map.

REMARKS.--Record is complete and reliable except for Nov. 28 through Dec. 3, 1996 and Apr. 6-7, 13, 1997 when the well was frozen; and Dec. 4, 1996 through Mar. 17, 1997 when the station was closed for the winter. Stage-discharge relation was affected by ice Oct. 30-31, Nov. 1-2, 5-9, 11-12, 16-17, 1996. Also, there is a special note on Jul. 3-5, 11-12, 21, 23, 28, 31, and Aug. 4-5, 8-10, 1997 when there was a hydraulic anomaly. Record is good except for periods of no gage-height and ice affected record which are poor. Station maintained and record developed by Div. III Staff.

RATING TABLE.--PINDELCO14 USED FROM 01-OCT-1996 TO 30-SEP-1997

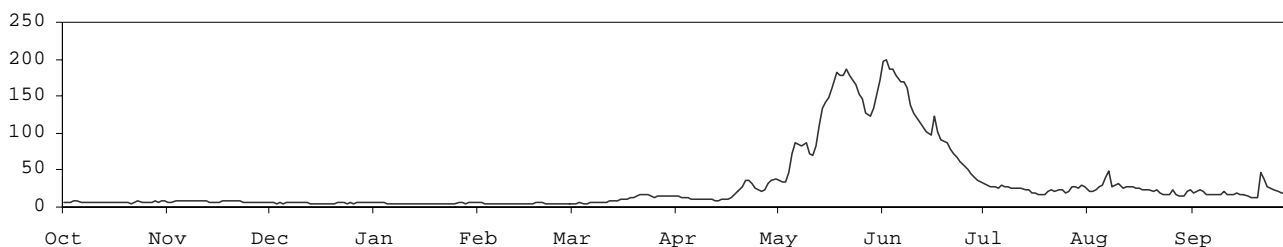
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	7.1	5.4	5.6	5.6	4.9	14	36	197	32	22	19
2	5.9	7.1	6.0	5.4	5.8	4.9	13	34	199	29	22	21
3	6.5	7.6	5.2	5.6	5.2	5.4	12	34	187	27	23	24
4	9.1	7.8	5.8	5.4	4.8	5.2	13	46	187	27	27	21
5	8.0	7.9	5.2	5.2	5.0	5.0	10	71	179	26	29	18
6	6.9	7.9	5.8	4.5	5.2	5.6	11	87	169	30	40	18
7	6.4	8.3	5.6	4.4	4.7	6.0	11	84	169	28	48	17
8	6.0	9.1	5.6	4.7	4.9	6.4	11	83	162	27	27	17
9	6.0	7.9	5.6	4.8	5.0	6.8	11	86	138	25	29	17
10	6.0	7.5	6.0	4.9	5.2	7.2	10	71	128	26	32	22
11	6.2	7.5	6.0	5.2	5.0	7.2	10	69	121	26	26	18
12	5.7	7.5	5.6	4.8	5.0	8.4	8.1	82	115	26	27	17
13	5.6	7.4	5.2	4.5	5.2	8.8	9.0	110	109	23	28	18
14	5.7	7.1	5.2	4.9	4.7	9.0	9.7	134	102	23	28	19
15	5.9	7.0	5.0	4.7	5.0	10	9.8	143	97	20	26	16
16	6.0	6.7	4.8	4.3	5.2	10	11	149	123	19	25	16
17	6.2	7.5	4.6	4.4	5.2	11	13	162	101	18	24	14
18	5.3	8.6	4.7	4.6	5.4	13	18	183	92	17	24	13
19	6.2	7.9	4.8	5.0	5.4	13	21	179	90	18	23	13
20	6.3	7.8	4.9	4.9	5.4	15	27	177	86	21	22	13
21	4.6	7.5	5.6	5.2	5.0	17	36	187	79	24	23	47
22	5.8	7.6	5.8	5.0	4.9	17	37	178	72	22	19	39
23	7.7	7.4	5.4	4.9	5.2	17	31	171	67	23	18	28
24	6.9	5.6	5.0	5.2	5.2	15	26	166	61	23	18	25
25	7.0	6.4	5.4	5.0	4.9	13	24	153	55	19	18	23
26	6.4	6.4	5.0	5.8	5.0	14	22	146	50	22	24	22
27	6.7	7.1	5.8	5.4	4.9	14	24	127	45	27	17	20
28	7.5	6.2	5.6	5.2	5.0	14	32	122	40	28	15	19
29	7.1	5.6	5.4	5.4	---	14	36	133	36	25	14	17
30	7.5	6.4	5.6	5.6	---	14	38	153	33	29	22	17
31	7.5	---	5.6	5.8	---	14	---	171	---	28	23	---
TOTAL	200.6	219.4	167.2	156.3	143.0	325.8	558.6	3727	3289	758	763	608
MEAN	6.47	7.31	5.39	5.04	5.11	10.5	18.6	120	110	24.5	24.6	20.3
AC-FT	398	435	332	310	284	646	1110	7390	6520	1500	1510	1210
MAX	9.1	9.1	6.0	5.8	5.8	17	38	187	199	32	48	47
MIN	4.6	5.6	4.6	4.3	4.7	4.9	8.1	34	33	17	14	13

CAL YR 1996 TOTAL 4658.8 MEAN 12.7 MAX 70 MIN 3.8 AC-FT 9240
WTR YR 1997 TOTAL 10915.9 MEAN 29.9 MAX 199 MIN 4.3 AC-FT 21650

MAX DISCH 249 CFS AT 2245 01-JUN-1997 GH 2.36 FT. SHIFT 0.07 FT. MAX GH 2.36 FT. AT 2245 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO

LOCATION.--Lat 37°36'34", long 106°08'52", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 50 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

DRAINAGE AREA.--1,590 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Datum of gage is 7,654.16 ft., Colorado State Highway Datum.

REMARKS.--Record is complete and reliable except for the following periods: Dec. 9, 1996 through Feb. 27, 1997 when the station was closed for the winter. Stage discharge relation affected by ice Dec. 1-8, 1996, and Feb. 28, Mar. 1-14, 1997. Record is good except for periods of no gage height and ice affected record which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--RIOMONCO17 USED FROM 01-OCT-1996 TO 30-SEP-1997

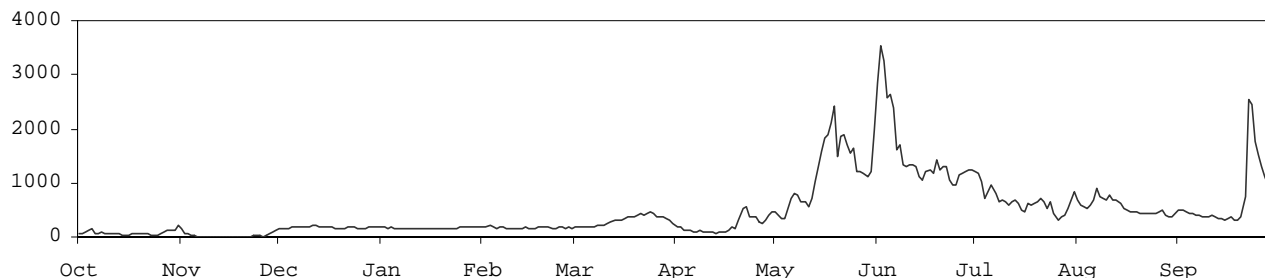
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	146	140	185	190	185	200	461	2840	1220	671	500
2	75	59	140	180	190	175	186	405	3540	1190	582	506
3	80	54	160	160	205	175	133	326	3260	1010	562	450
4	139	36	170	175	185	185	111	353	2580	722	539	424
5	167	17	175	170	165	175	115	539	2630	823	590	430
6	76	14	180	165	175	180	85	706	2400	967	680	407
7	67	11	200	155	180	195	95	809	1620	801	891	401
8	78	9.1	195	155	160	205	138	764	1720	659	746	386
9	60	8.0	195	165	165	225	104	662	1320	669	700	373
10	55	8.3	190	165	170	230	98	648	1300	666	676	383
11	65	9.0	220	165	170	245	78	559	1330	603	766	398
12	67	7.0	215	170	170	270	84	717	1330	657	692	366
13	59	5.6	195	165	170	300	64	1010	1300	687	685	350
14	38	5.5	185	155	180	315	101	1290	1130	623	619	330
15	27	6.5	180	170	160	320	90	1580	1060	491	537	315
16	43	7.2	195	165	170	340	106	1840	1200	467	481	344
17	49	6.1	195	145	170	372	137	1900	1250	627	473	376
18	49	3.4	165	145	180	361	174	2120	1170	595	454	312
19	48	5.8	165	155	175	368	165	2420	1430	628	471	322
20	57	7.8	165	165	180	401	295	1500	1250	665	428	368
21	71	9.6	165	160	180	419	539	1860	1310	714	433	736
22	68	9.4	185	170	170	409	548	1890	1290	648	441	2530
23	34	24	195	165	170	446	359	1710	1050	534	435	2440
24	43	25	180	165	180	476	360	1560	975	650	443	1770
25	37	18	160	175	175	421	383	1650	951	433	427	1510
26	67	15	170	175	170	368	291	1220	1160	310	453	1300
27	97	26	165	180	175	368	241	1210	1170	371	485	1110
28	137	55	190	185	170	357	319	1180	1200	417	395	968
29	125	82	185	175	---	354	399	1120	1230	526	364	839
30	131	136	180	185	---	302	467	1210	1240	687	368	816
31	225	---	190	185	---	238	---	1980	---	852	427	---
TOTAL	2405	826.3	5590	5195	4900	9380	6465	37199	47236	20912	16914	21760
MEAN	77.6	27.5	180	168	175	303	216	1200	1575	675	546	725
AC-FT	4770	1640	11090	10300	9720	18610	12820	73780	93690	41480	33550	43160
MAX	225	146	220	185	205	476	548	2420	3540	1220	891	2530
MIN	27	3.4	140	145	160	175	64	326	951	310	364	312

CAL YR 1996 TOTAL 61863.8 MEAN 169 MAX 1100 MIN 3.4 AC-FT 122700
WTR YR 1997 TOTAL 178782.3 MEAN 490 MAX 3540 MIN 3.4 AC-FT 354600

MAX DISCH 3848 CFS AT 1800 02-JUN-1997 GH 7.10 FT. SHIFT -0.22 FT. MAX GH 7.10 FT. AT 1800 02-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE, CO

LOCATION.--Lat 37°34'13", Long 106°02'43", SW¼NW¼ sec.6, T. 38 N., R. 9 E., Alamosa County, on left bank 125 feet downstream from the county line bridge, 5.0 miles East of Monte Vista and 2.4 miles North of U.S. Highway 160 and 285, on the County Line Road.

DRAINAGE AREA.-- 1,640 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Datum of gage is 7,595 feet, from topographic map.

REMARKS.--Record is complete and reliable except for Dec. 3-8, 1996, Feb. 21-28, Mar. 1-13, 1997 when the well was frozen; and Dec. 9, 1996 through Feb. 20, 1997 when the station was closed for the winter. Station was affected by backwater from a beaver dam on the control Nov. 19-21, 1996. Record good except for periods of no gage-height record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

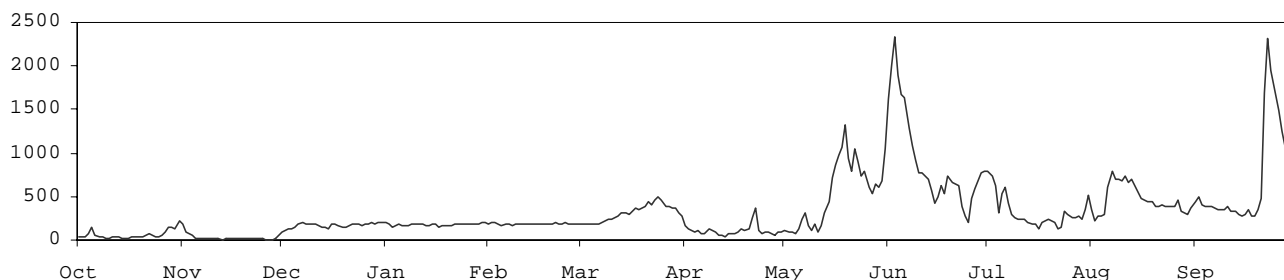
RATING TABLE.--RIOLINCO05 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	188	100	195	185	190	164	105	1610	786	343	447
2	33	85	104	185	195	185	122	100	2010	741	212	492
3	38	74	120	145	205	180	105	89	2330	618	267	413
4	69	52	130	160	185	190	96	78	1890	320	278	394
5	140	23	150	175	170	185	106	121	1680	524	301	394
6	49	18	175	170	175	190	74	243	1640	611	609	377
7	38	13	195	165	185	205	68	306	1280	417	791	360
8	36	12	190	170	170	215	132	171	1080	287	700	350
9	27	12	190	180	180	230	102	106	920	250	692	350
10	23	11	175	180	180	235	84	176	775	246	679	350
11	28	11	185	180	175	250	61	87	766	234	734	379
12	32	10	170	175	185	275	51	165	732	245	655	340
13	29	8.9	150	170	185	305	44	314	700	204	698	330
14	20	11	140	165	190	304	69	436	570	190	634	302
15	12	13	125	175	175	295	66	726	425	192	543	281
16	21	12	180	175	185	332	75	864	492	136	479	301
17	34	11	190	155	185	360	99	977	630	204	460	358
18	39	9.8	160	160	190	356	133	1070	526	228	433	280
19	41	9.4	155	165	180	361	113	1330	743	237	447	272
20	40	9.4	155	170	190	394	135	930	655	225	384	346
21	50	9.4	160	165	195	432	263	784	646	197	389	478
22	67	9.6	175	175	190	402	366	1050	623	120	405	1690
23	47	11	185	175	180	456	112	898	384	148	386	2310
24	45	12	180	175	195	496	78	744	269	325	390	1940
25	38	11	165	180	190	465	86	791	207	295	381	1680
26	54	5.0	175	175	190	390	91	612	485	266	388	1480
27	92	3.9	175	185	190	381	75	542	585	260	465	1250
28	141	4.2	195	190	185	373	62	638	676	269	339	1060
29	142	17	190	190	---	365	84	615	774	241	305	914
30	125	59	195	195	---	319	98	680	790	344	303	845
31	223	---	210	200	---	268	---	1050	---	515	369	---
TOTAL	1803	735.6	5144	5420	5185	9584	3214	16798	26893	9875	14459	20763
MEAN	58.2	24.5	166	175	185	309	107	542	896	319	466	692
AC-FT	3580	1460	10200	10750	10280	19010	6370	33320	53340	19590	28680	41180
MAX	223	188	210	200	205	496	366	1330	2330	786	791	2310
MIN	12	3.9	100	145	170	180	44	78	207	120	212	272
CAL YR 1996 TOTAL		37802.3	MEAN	103	MAX	319	MIN	3.8	AC-FT	74980		
WTR YR 1997 TOTAL		119873.6	MEAN	328	MAX	2330	MIN	3.9	AC-FT	237800		

MAX DISCH 2440 CFS AT 0315 03-JUN-1997 GH 7.07 FT. SHIFT -0.01 FT. MAX GH 7.07 FT. AT 0315 03-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO

LOCATION.--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on right bank 0.2 mile northwest of Adams State College and 9 miles upstream from Alamosa Creek.

DRAINAGE AREA.--1,710 mi².

GAGE.--Water-stage recorder with satellite telemetry in a timber shelter and well. Datum of gage is 7,532.66 ft.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 4, 1996, Apr. 1-2, 6-7, 21-28, Jun. 16, 27, 29, Jul. 5-6, Aug. 12-13, 22, and Sep. 23, 1997 when the inlets were plugged; Mar. 6-10, 1997 when the well was frozen; and Dec. 9, 1996 through Feb. 21, 1997 when the station was closed for the winter. Stage discharge relation affected by ice Nov. 28-30, Dec. 1-8, 1996, Feb. 25-28, and Mar. 1-5, 1997. Record is good except for periods of no gage height and ice affected record which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

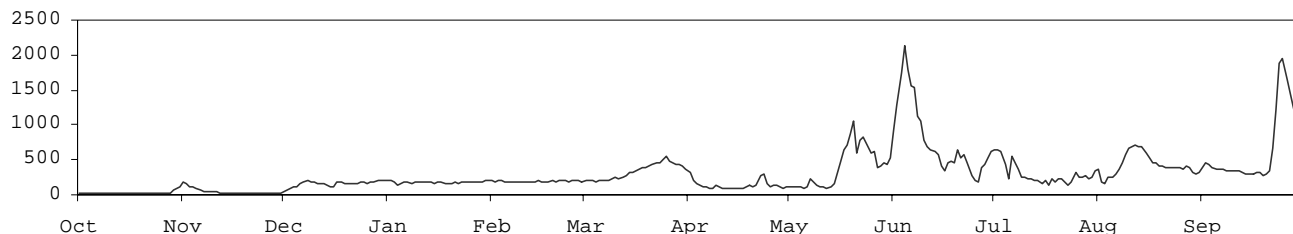
RATING TABLE.--RIOALACO21 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	192	45	215	205	200	311	114	912	640	374	387
2	15	157	60	200	185	200	215	122	1280	640	191	448
3	15	113	100	190	195	195	151	112	1740	611	171	431
4	15	106	115	140	210	190	135	116	2140	433	259	394
5	15	84	125	155	190	200	122	103	1800	218	257	376
6	34	59	150	175	175	200	126	124	1570	561	298	376
7	23	50	175	175	180	210	103	227	1530	469	373	356
8	21	45	195	170	185	215	102	193	1130	362	460	350
9	21	41	190	175	175	225	133	128	1050	258	564	339
10	21	39	185	185	185	245	113	106	781	245	656	335
11	20	37	170	180	185	231	102	120	691	230	680	354
12	21	34	170	185	175	244	94	91	648	234	701	348
13	23	33	155	180	190	270	91	110	626	200	687	321
14	24	31	135	175	190	313	84	164	565	198	681	309
15	25	31	125	170	195	329	87	328	410	165	598	295
16	28	30	105	180	185	339	89	478	349	195	521	287
17	27	29	175	175	190	374	92	636	468	139	467	310
18	26	28	185	160	190	398	107	704	473	219	453	314
19	26	28	155	165	195	391	132	868	469	193	424	277
20	28	26	155	165	185	405	126	1060	632	227	422	293
21	29	26	150	175	195	442	142	588	526	232	383	354
22	19	25	160	165	200	453	267	780	569	187	382	655
23	20	27	170	175	200	461	291	815	468	134	390	1220
24	20	27	185	180	185	508	157	680	284	183	381	1880
25	18	27	180	180	200	557	126	596	211	312	383	1940
26	18	28	170	180	195	489	129	612	192	248	372	1660
27	20	27	180	180	200	449	128	385	390	243	403	1450
28	24	26	180	185	190	446	115	415	426	266	397	1230
29	78	24	195	190	---	432	100	451	517	236	330	1060
30	94	18	195	195	---	418	105	427	612	249	306	906
31	106	---	200	195	---	367	---	537	---	335	330	---
TOTAL	889	1448	4835	5515	5330	10396	4075	12190	23459	9062	13294	19255
MEAN	28.7	48.3	156	178	190	335	136	393	782	292	429	642
AC-FT	1760	2870	9590	10940	10570	20620	8080	24180	46530	17970	26370	38190
MAX	106	192	200	215	210	557	311	1060	2140	640	701	1940
MIN	15	18	45	140	175	190	84	91	192	134	171	277
CAL YR 1996 TOTAL		29900	MEAN	81.7	MAX	325	MIN	13	AC-FT	59310		
WTR YR 1997 TOTAL		109748	MEAN	301	MAX	2140	MIN	15	AC-FT	217700		

MAX DISCH 2204 CFS AT 1100 04-JUN-1997 GH 7.12 FT. SHIFT -0.64 FT. MAX GH 7.63 FT. AT 2300 24-SEP-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO

RIO GRANDE COMPACT STATION

LOCATION.--Lat 37°28'33", long 105°45'58", SW¼SW¼, sec. 3, T.37 N., R.11 E., Alamosa County, Hydrologic Unit 13010002, 400 ft north of State Highway 160, 5.5 mi east of Alamosa, Co. on right bank of Closed Basin Project Canal.

DRAINAGE AREA.--

GAGE.--Graphic water-stage recorders on H_a and H_b in 8x10 ft. building with concrete stilling wells and satellite telemetry at 12' Parshall flume.

REMARKS.--Record is complete and reliable. Stage-discharge relation affected by submergence of the control on Oct. 2-4, 10, 15-17, 20-22; Dec. 17, 1996; Apr. 10-11, 1997. Record is good except for the periods of submergence, which should be considered fair. Station maintained and record developed by Div. III Hydrographic Staff.

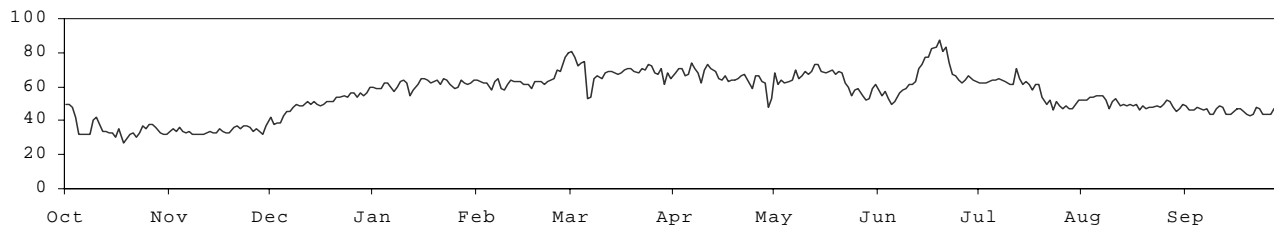
RATING TABLE.--CBPALACO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	34	42	60	64	81	68	68	58	62	52	49
2	50	35	38	59	63	77	71	61	55	62	52	46
3	48	34	39	59	62	72	71	64	57	62	54	46
4	42	36	39	62	62	74	66	62	53	63	54	48
5	32	34	43	62	58	75	67	63	50	64	55	47
6	32	33	45	60	63	53	74	64	51	64	55	46
7	32	34	45	57	65	54	71	70	56	65	55	47
8	32	32	48	60	59	65	68	65	58	64	52	44
9	40	32	50	63	58	66	62	66	59	63	47	44
10	42	32	49	64	61	65	70	69	61	61	51	47
11	38	32	49	62	64	68	73	67	61	61	53	49
12	34	33	51	55	63	69	71	69	63	71	49	48
13	34	34	50	58	63	69	69	73	71	65	50	44
14	33	33	51	61	63	68	65	73	73	61	49	44
15	33	33	50	65	61	67	64	69	77	63	50	45
16	30	35	49	65	61	68	66	68	77	61	49	47
17	35	34	50	64	59	70	63	69	82	58	50	47
18	27	33	51	62	63	71	64	70	83	61	46	45
19	29	33	51	63	63	71	64	67	87	61	49	44
20	32	36	51	64	63	69	65	69	81	54	47	43
21	33	37	54	61	61	68	66	68	83	50	48	44
22	30	35	54	65	63	71	67	62	74	52	48	48
23	33	37	55	64	64	70	64	60	67	46	49	47
24	37	37	54	61	65	73	59	55	66	51	48	44
25	35	36	56	59	70	72	66	58	64	49	50	44
26	38	34	56	60	69	68	66	59	62	47	52	44
27	38	35	54	64	77	67	63	55	64	49	51	47
28	36	34	56	62	80	71	62	52	66	47	48	49
29	33	32	55	61	---	61	48	53	64	47	45	47
30	32	37	56	62	---	68	53	59	63	50	47	48
31	32	---	60	64	---	65	---	61	---	52	50	---
TOTAL	1102	1026	1551	1908	1787	2126	1966	1988	1986	1786	1555	1382
MEAN	35.5	34.2	50.0	61.5	63.8	68.6	65.5	64.1	66.2	57.6	50.2	46.1
AC-FT	2190	2040	3080	3780	3540	4220	3900	3940	3940	3540	3080	2740
MAX	50	37	60	65	80	81	74	73	87	71	55	49
MIN	27	32	38	55	58	53	48	52	50	46	45	43
CAL YR 1996 TOTAL	13763.6		MEAN	37.6	MAX	90	MIN	9.3	AC-FT	27300		
WTR YR 1997 TOTAL	20163		MEAN	55.2	MAX	87	MIN	27	AC-FT	39990		

MAX DISCH 94 CFS AT 1745 19-JUN-1997 GH 1.60 FT. SHIFT -0.05 FT. MAX GH 1.76 FT. AT 0730 17-DEC-1996

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

08224500 KERBER CREEK NEAR VILLA GROVE, CO

LOCATION.--Lat 38°14'28", long 106°06'57", in SW¼NW¼, sec. 17, T. 46 N., R. 8 E., Saguache County, on left bank 10 miles west of Villa Grove and 4.0 miles downstream from the town of Bonanza.

DRAINAGE AREA.--42 mi². (approx.)

GAGE.--Water stage recorder. Altitude of gage is 8,840 ft. from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 17-18, 25-30, Dec. 1-10, 1996, Mar. 28-31, Apr. 1-16, 1997 when the well was frozen; Dec. 11, 1996 through Mar. 27, 1997 when the station was closed for the winter; and Nov. 9, 1996 when the clock stopped. Stage discharge relation affected by ice Oct. 21-26, 29-31, Nov. 1-3, 5, 7-8, 10-13, 21, 24, 1996. Record is good except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.-- KERVILCO15 USED FROM 01-OCT-1996 TO 30-SEP-1997

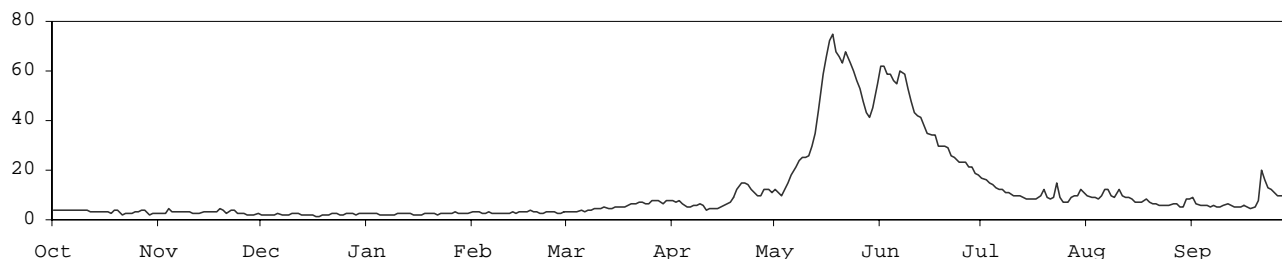
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	2.5	2.0	2.4	3.1	3.2	8.0	12	62	17	10	9.3
2	3.6	2.3	1.9	2.4	3.1	3.2	7.2	11	62	16	9.3	6.2
3	3.6	2.7	1.7	2.5	3.1	3.3	7.6	10	59	15	8.9	5.9
4	4.1	4.4	1.8	2.3	2.8	3.4	6.4	12	59	14	8.5	5.6
5	3.8	3.4	1.8	2.2	2.8	3.6	5.0	15	56	13	10	5.9
6	3.6	3.2	2.6	1.9	3.1	3.4	5.4	18	55	12	12	5.3
7	3.6	3.1	2.0	1.7	2.4	3.7	6.0	21	60	12	12	5.9
8	3.6	3.4	1.9	2.0	2.4	4.0	6.0	24	59	11	10	5.0
9	3.6	3.4	2.0	2.1	2.4	4.6	6.2	25	53	11	8.9	5.0
10	3.6	3.4	2.4	2.5	2.6	4.3	5.6	25	48	10	12	5.9
11	3.6	2.3	2.5	2.5	2.8	4.6	4.0	26	43	10	10	6.2
12	3.4	2.5	2.3	2.5	2.8	4.9	4.2	30	42	9.7	8.9	5.9
13	3.4	2.9	2.2	2.6	3.3	4.8	4.5	35	41	8.9	8.9	5.0
14	3.4	3.4	2.0	2.6	2.8	4.7	4.8	44	38	8.5	8.1	5.3
15	3.1	3.1	1.8	2.0	3.2	5.2	5.4	59	35	8.1	7.0	5.0
16	3.4	3.3	2.0	1.8	3.1	5.2	5.8	66	34	8.1	7.3	5.6
17	3.4	3.0	1.5	1.8	3.3	5.0	6.2	72	34	8.1	7.0	5.0
18	2.9	3.4	1.5	2.4	3.6	5.0	7.3	75	30	9.7	8.1	4.7
19	3.6	4.4	1.8	2.6	3.4	5.8	9.3	68	30	12	7.0	5.0
20	3.8	3.8	1.8	2.6	3.4	6.6	12	66	30	9.3	6.6	7.7
21	1.9	2.5	2.2	2.6	2.9	6.6	15	63	29	8.1	6.2	20
22	2.3	3.7	2.6	2.2	2.7	6.8	15	68	26	9.0	5.9	16
23	2.7	3.6	2.4	2.4	3.1	7.0	14	63	25	15	5.9	13
24	2.9	2.3	2.0	2.4	3.1	6.4	12	60	23	9.3	5.6	12
25	3.1	2.3	2.0	2.3	3.1	6.4	11	56	23	7.0	5.6	11
26	3.1	2.3	2.4	2.8	2.9	7.6	10	53	23	7.3	6.6	10
27	3.8	2.1	2.4	3.0	2.8	7.6	10	48	21	9.3	6.6	10
28	4.1	1.8	2.4	2.4	3.5	7.8	12	43	21	10	5.3	10
29	2.1	2.0	2.2	2.8	---	6.6	12	41	19	9.7	5.3	9.7
30	2.9	2.3	2.4	2.8	---	8.0	11	45	18	12	8.4	9.3
31	2.9	---	2.5	2.9	---	8.0	---	55	---	11	8.2	---
TOTAL	102.5	88.8	65.0	74.0	83.6	167.3	248.9	1309	1158	331.1	250.1	236.4
MEAN	3.31	2.96	2.10	2.39	2.99	5.40	8.30	42.2	38.6	10.7	8.07	7.88
AC-FT	203	176	129	147	166	332	494	2600	2300	657	496	469
MAX	4.1	4.4	2.6	3.0	3.6	8.0	15	75	62	17	12	20
MIN	1.9	1.8	1.5	1.7	2.4	3.2	4.0	10	18	7.0	5.3	4.7

CAL YR 1996 TOTAL 2635.7 MEAN 7.20 MAX 43 MIN 1.0 AC-FT 5230
WTR YR 1997 TOTAL 4114.7 MEAN 11.3 MAX 75 MIN 1.5 AC-FT 8160

MAX DISCH 80 CFS AT 2200 17-MAY-1997 GH 1.58 FT. SHIFT 0.42 FT. MAX GH 1.59 FT. AT 1800 30-AUG-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO

LOCATION.--Lat 38°09'48", long 106°17'24", in SE¼SE¼ sec. 10, T. 45 N., R 6 E., Saguache County, Hydrologic Unit 13010004, on left bank 0.2 Mi downstream from Middle Creek and 10 mi northwest of Saguache.

PERIOD OF RECORD AND DRAINAGE AREA.--595 mi². Aug.1910-Sept. 1912, Jun. 1914 to current year. Monthly discharge only for some periods. Water-quality data available, Apr. 1993-Sep. 1995.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is approximately 8,030 ft. (from topographic map).

REMARKS.--Record is complete and reliable. The stage-discharge relation was affected by ice Nov. 27, 1996-Mar. 8, 1997. Record is good except for periods of ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SAGSAGCO15 USED FROM 01-OCT-1996 TO 30-SEP-1997

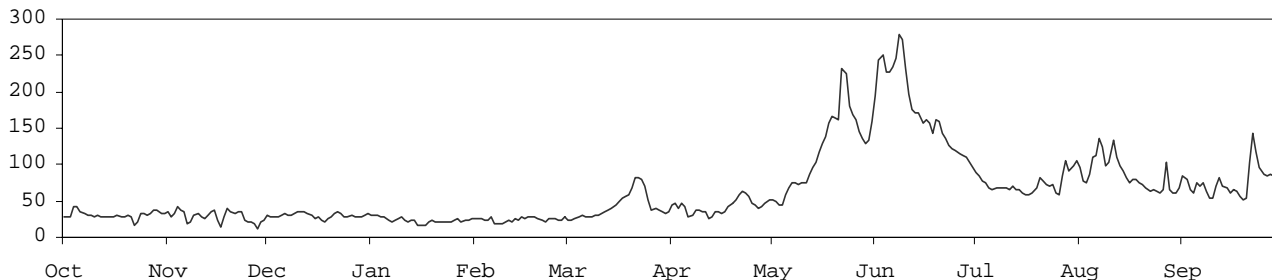
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	34	30	30	25	24	44	51	195	90	96	84
2	29	28	28	30	25	24	46	49	244	84	78	80
3	28	33	27	31	25	25	41	44	250	77	75	65
4	43	42	29	28	24	28	46	44	228	74	86	61
5	42	37	30	27	24	30	42	58	228	67	109	76
6	36	36	32	23	27	28	28	68	234	65	112	70
7	33	19	31	22	19	29	30	75	247	68	135	76
8	31	20	30	24	19	29	38	76	280	67	124	63
9	30	31	33	25	19	30	37	72	271	67	98	55
10	28	33	35	27	21	31	36	75	233	67	103	55
11	30	28	35	24	23	33	35	75	198	66	134	70
12	29	25	34	22	22	35	26	86	176	70	111	81
13	29	30	33	24	26	37	29	96	170	66	98	70
14	28	35	30	23	23	39	35	103	171	66	92	67
15	28	37	25	17	27	44	35	118	158	61	83	62
16	29	24	28	16	25	49	32	130	161	58	75	66
17	30	14	23	16	27	53	36	138	156	59	79	64
18	27	27	22	21	28	56	43	156	144	60	80	56
19	28	40	26	23	27	59	48	166	162	67	74	52
20	30	35	28	22	26	67	51	163	159	81	73	54
21	29	32	32	22	23	81	58	162	143	78	69	103
22	17	35	34	21	21	82	64	233	135	72	63	143
23	21	36	32	22	25	80	60	225	126	70	65	118
24	33	23	29	22	25	70	57	180	123	73	63	95
25	32	21	28	21	25	52	48	168	119	62	60	87
26	31	21	30	24	24	38	44	162	115	58	65	84
27	33	18	29	25	23	41	41	146	112	84	103	86
28	38	11	29	22	27	37	42	135	110	106	65	84
29	37	20	28	24	---	36	48	129	104	92	61	79
30	32	24	30	23	---	32	52	133	96	99	61	77
31	33	---	32	25	---	36	---	160	---	105	69	---
TOTAL	951	849	922	726	675	1335	1272	3676	5248	2279	2659	2283
MEAN	30.7	28.3	29.7	23.4	24.1	43.1	42.4	119	175	73.5	85.8	76.1
AC-FT	1890	1680	1830	1440	1340	2650	2520	7290	10410	4520	5270	4530
MAX	43	42	35	31	28	82	64	233	280	106	135	143
MIN	17	11	22	16	19	24	26	44	96	58	60	52

CAL YR 1996 TOTAL 15056 MEAN 41.1 MAX 124 MIN 11 AC-FT 29860
WTR YR 1997 TOTAL 22875 MEAN 62.7 MAX 280 MIN 11 AC-FT 45370

MAX DISCH 293 CFS AT 2200 07-JUN-1997 GH 3.00 FT. SHIFT -0.11 FT. MAX GH 3.00 FT. AT 2200 07-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO

LOCATION.--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

DRAINAGE AREA.--10.7 mi².

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,360 ft from topographic map.

REMARKS.--Record is complete and reliable except for Dec. 19 - 28, 1996, Jan. 7, 1997 when well was frozen; Jan. 8 - Mar. 27, 1997 when station was closed; June 23 - 24, 1997 when recorder pen was not inking. Stage-discharge relation affected by ice Dec. 3 - 5, 17, 18, 1996. Record is good except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

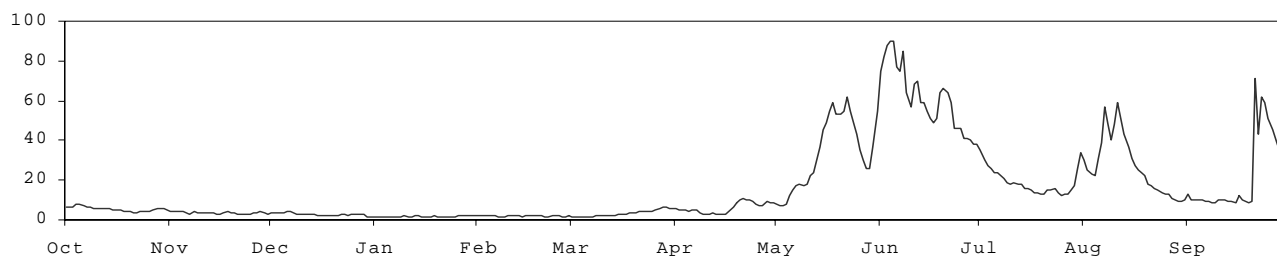
RATING TABLE.--NOCRESO09 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	4.6	3.7	1.4	2.1	1.7	5.4	8.0	75	35	30	13
2	6.4	4.0	3.6	1.4	2.0	1.7	5.0	7.4	82	30	25	10
3	6.7	4.0	3.4	1.6	2.0	1.7	4.8	7.0	88	27	23	10
4	7.7	4.0	3.8	1.4	1.9	1.7	5.0	8.0	90	26	22	10
5	7.7	4.0	3.8	1.4	1.9	1.7	4.2	12	90	24	31	9.8
6	7.0	3.8	4.2	1.4	2.0	1.6	5.2	15	77	24	39	9.4
7	6.7	3.2	4.0	1.3	1.7	1.7	4.8	17	75	22	57	9.4
8	6.2	4.0	3.4	1.5	1.7	1.8	3.6	18	85	21	48	8.4
9	5.9	3.8	3.2	1.5	1.7	2.1	3.2	17	64	19	40	8.4
10	5.9	3.4	3.2	1.8	1.8	2.0	3.0	18	57	18	48	9.8
11	5.8	3.4	3.0	1.7	1.9	2.2	3.0	22	68	19	59	9.8
12	5.6	3.4	3.0	1.6	1.8	2.4	3.4	24	70	18	51	10
13	5.6	3.4	2.6	1.9	2.1	2.4	3.0	30	59	18	43	9.4
14	5.4	3.4	2.6	1.8	1.7	2.4	3.1	37	59	16	37	9.1
15	5.0	3.2	2.4	1.6	1.9	2.7	2.6	45	55	16	31	8.8
16	5.0	2.8	2.2	1.4	1.9	2.6	3.0	49	51	15	27	12
17	4.8	3.9	2.0	1.4	2.0	3.0	4.4	55	49	14	25	10
18	4.2	4.2	2.0	1.7	2.1	3.4	6.7	59	51	14	24	9.4
19	4.6	3.4	2.2	1.8	2.0	3.5	8.8	53	64	13	22	8.8
20	4.4	3.4	2.2	1.7	1.9	3.5	10	53	66	13	18	9.7
21	3.4	3.2	2.4	1.7	1.7	4.0	11	55	64	15	17	71
22	3.7	3.2	2.8	1.5	1.6	4.0	10	62	59	15	16	43
23	4.6	3.0	2.6	1.7	1.8	4.6	9.8	55	46	16	15	62
24	4.4	2.7	2.4	1.7	1.8	4.6	9.1	49	46	14	14	59
25	4.2	3.1	2.8	1.6	1.8	4.6	8.0	43	46	12	13	51
26	4.3	3.4	2.8	1.9	1.7	5.0	7.0	35	41	13	13	45
27	5.2	3.4	2.8	2.0	1.6	6.0	7.0	30	41	13	11	40
28	5.6	4.0	2.6	1.8	1.9	6.4	9.1	26	40	15	10	35
29	5.6	3.8	2.8	2.0	---	6.2	8.8	26	38	17	9.4	30
30	5.4	2.8	1.6	2.0	---	5.4	8.4	37	38	26	9.4	24
31	4.8	---	1.2	2.0	---	5.4	---	55	---	34	9.8	---
TOTAL	168.2	105.9	87.3	51.2	52.0	102.0	180.4	1027.4	1834	592	837.6	655.2
MEAN	5.43	3.53	2.82	1.65	1.86	3.29	6.01	33.1	61.1	19.1	27.0	21.8
AC-FT	334	210	173	102	103	202	358	2040	3640	1170	1660	1300
MAX	7.7	4.6	4.2	2.0	2.1	6.4	11	62	90	35	59	71
MIN	3.4	2.7	1.2	1.3	1.6	1.6	2.6	7.0	38	12	9.4	8.4
CAL YR 1996 TOTAL		2550.7	MEAN	6.97	MAX	43	MIN	1.2	AC-FT	5060		
WTR YR 1997 TOTAL		5693.2	MEAN	15.6	MAX	90	MIN	1.2	AC-FT	11290		

MAX DISCH 148 CFS AT 1815 21-SEP-1997 GH 2.31 FT. SHIFT -0.07 FT. MAX GH 2.31 FT. AT 1815 21-SEP-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO

LOCATION.--Lat 37°51'35", long 106°19'08", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 6.6 mi. downstream from North Fork.

DRAINAGE AREA.--117 mi².

GAGE.--Water-stage recorder. Datum of gage is 8,150 ft. from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 27-30, Dec. 1-10, 1996 when the well was frozen; and Dec. 11, 1996 through Mar. 27, 1997 when the station was closed for the winter. Stage discharge relation affected by ice Oct. 30, Nov. 3, 5-6, 12-13, 1996. Record is good except for periods of no gage height and ice affected record which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--CARLAGCO14 USED FROM 01-OCT-1996 TO 30-SEP-1997

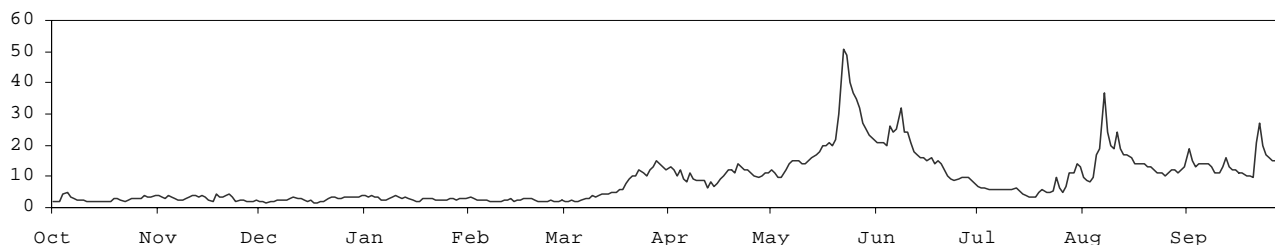
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	3.8	2.0	3.8	3.2	2.0	13	12	21	6.8	9.6	19
2	1.9	3.4	1.8	3.6	2.8	2.0	12	11	21	6.3	8.9	15
3	2.0	3.0	1.6	3.8	2.6	2.2	10	9.9	21	6.1	8.4	13
4	4.2	3.7	1.7	3.4	2.3	1.9	12	9.6	20	5.8	9.6	14
5	4.8	3.5	1.9	3.2	2.3	1.9	9.2	12	26	6.0	17	14
6	3.6	2.9	2.5	2.5	2.6	2.2	8.0	14	24	6.0	19	14
7	3.0	2.3	2.2	2.3	1.9	2.7	11	15	25	5.8	37	14
8	2.4	2.5	2.3	3.1	1.9	3.0	9.2	15	32	5.7	24	13
9	2.2	3.0	2.5	3.3	1.8	3.7	8.9	15	24	5.7	20	11
10	2.2	3.3	3.0	3.8	2.0	3.6	8.7	14	24	5.7	19	11
11	2.0	3.7	3.4	3.4	2.3	4.0	8.6	14	21	6.0	24	13
12	1.9	3.7	3.0	3.0	2.2	4.4	6.3	15	18	6.1	19	16
13	1.9	3.5	2.8	3.2	2.7	4.2	8.2	16	17	5.4	17	13
14	1.9	4.1	2.4	3.1	2.1	4.2	6.9	17	16	4.5	17	12
15	2.0	3.6	2.0	2.3	2.5	5.0	7.6	18	16	4.1	16	12
16	2.0	2.5	2.3	1.9	2.5	5.0	9.3	20	15	3.4	14	11
17	2.0	2.1	1.4	2.1	2.7	6.0	10	20	16	3.2	14	11
18	2.1	4.2	1.4	2.7	2.9	6.0	12	21	14	3.4	14	10
19	2.8	3.6	1.9	2.9	2.8	7.6	12	20	15	4.6	14	10
20	2.8	3.5	2.1	2.7	2.5	9.0	11	22	14	5.8	13	9.9
21	2.6	4.0	3.0	2.7	2.0	10	14	30	12	5.0	13	21
22	2.0	4.5	3.6	2.4	1.7	10	13	51	10	4.6	12	27
23	2.2	3.5	3.2	2.6	2.1	12	12	49	9.0	5.3	11	20
24	3.1	1.9	2.7	2.5	2.1	11	12	40	8.5	9.8	11	17
25	3.0	2.6	2.9	2.3	2.3	10	11	37	9.3	6.2	10	16
26	2.9	2.3	3.4	2.7	2.1	12	10	35	9.9	4.7	11	15
27	3.0	1.9	3.4	2.9	1.9	13	9.9	32	9.7	7.0	12	15
28	3.9	1.7	3.4	2.3	2.4	15	10	27	9.6	11	12	14
29	3.5	2.0	3.2	2.8	---	14	11	25	8.8	11	11	14
30	3.4	2.4	3.4	2.8	---	13	11	23	7.8	14	12	14
31	3.8	---	3.8	3.0	---	12	---	22	---	13	13	---
TOTAL	83.1	92.7	80.2	89.1	65.2	212.6	307.8	681.5	494.6	198.0	462.5	428.9
MEAN	2.68	3.09	2.59	2.87	2.33	6.86	10.3	22.0	16.5	6.39	14.9	14.3
AC-FT	165	184	159	177	129	422	611	1350	981	393	917	851
MAX	4.8	4.5	3.8	3.8	3.2	15	14	51	32	14	37	27
MIN	1.9	1.7	1.4	1.9	1.7	1.9	6.3	9.6	7.8	3.2	8.4	9.9

CAL YR 1996 TOTAL 1366.46 MEAN 3.73 MAX 17 MIN 0.22 AC-FT 2710
WTR YR 1997 TOTAL 3196.2 MEAN 8.76 MAX 51 MIN 1.4 AC-FT 6340

MAX DISCH 63 CFS AT 1700 22-MAY-1997 GH 2.84 FT. SHIFT -0.15 FT. MAX GH 2.84 FT. AT 1700 22-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO

LOCATION.--Lat 37°48'48", long 106°19'04", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 4.5 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

DRAINAGE AREA.--61 mi².

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,030 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 28-30, Dec. 1-10, 1996 when the well was frozen; and Dec. 11, 1996 through Mar. 20, 1997 when the station was closed for the winter. Stage discharge relation affected by ice Oct. 22-23, 26, 29-31, Nov. 1-12, 17-21, 24-27, 1996, and Mar. 25-26, 30-31, Apr. 6-8, 12-14, 1997. Record is good except for periods of no gage height and ice affected record which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--LAGLAGCO12 USED FROM 01-OCT-1996 TO 30-SEP-1997

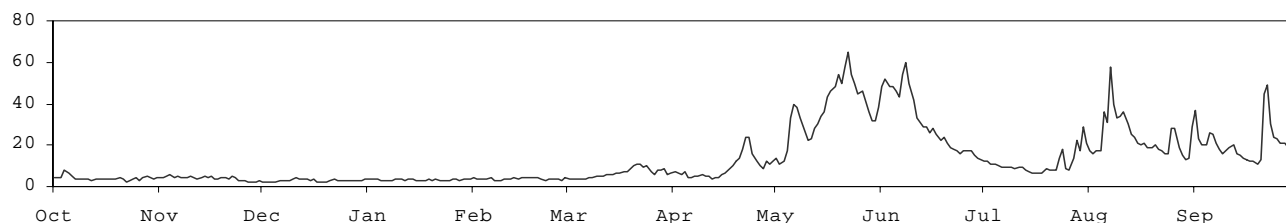
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	4.1	2.3	3.5	4.1	3.4	7.0	14	48	12	17	37
2	4.1	4.1	2.2	3.4	3.9	3.4	6.6	11	52	12	16	23
3	4.4	4.7	2.0	3.6	3.7	3.6	5.9	12	48	11	17	20
4	7.7	5.6	2.1	3.3	3.5	3.3	7.0	17	48	11	17	20
5	6.2	4.4	2.2	3.2	3.7	3.3	4.5	33	46	10	36	26
6	4.7	4.7	3.2	2.7	4.0	3.7	4.2	40	43	9.5	31	25
7	3.8	4.3	2.8	2.7	3.0	4.2	4.8	38	54	9.5	58	21
8	3.6	4.0	2.8	3.1	3.0	4.4	5.2	33	60	9.5	40	18
9	3.4	4.4	3.0	3.3	3.0	5.4	5.9	29	50	9.5	33	16
10	3.4	4.7	3.7	3.6	3.3	5.0	5.0	22	42	9.0	34	17
11	3.4	4.1	4.0	3.4	3.5	5.4	5.3	23	33	9.5	36	19
12	3.1	3.8	3.6	3.2	3.5	6.0	3.5	28	31	9.5	30	20
13	3.4	4.5	3.6	3.4	4.1	5.8	4.0	30	29	8.1	25	16
14	3.4	4.8	3.4	3.3	3.6	5.8	4.5	34	29	7.3	24	15
15	3.4	4.4	3.0	2.8	4.0	6.6	5.8	36	26	6.6	21	14
16	3.6	5.1	3.3	2.6	4.0	6.4	6.2	43	28	6.2	20	13
17	3.8	3.5	2.0	2.7	4.3	7.0	8.3	46	25	6.6	21	12
18	3.6	3.8	2.0	3.1	4.5	7.2	10	48	22	6.6	19	12
19	3.8	4.0	2.4	3.3	4.4	8.4	12	54	24	9.0	19	11
20	4.1	4.1	2.5	3.2	4.1	10	14	50	21	7.7	20	13
21	3.8	3.6	3.0	3.3	3.4	11	18	58	19	7.7	18	45
22	2.3	5.0	3.5	3.0	3.2	11	24	65	18	7.7	17	49
23	2.9	4.3	3.1	3.2	3.7	9.6	24	54	17	14	16	30
24	3.9	2.9	2.6	3.2	3.7	9.9	16	50	16	18	16	24
25	4.0	2.6	2.6	2.9	3.7	7.3	12	45	17	9.0	28	23
26	3.2	2.6	3.1	3.4	3.4	5.6	10	46	17	7.7	28	21
27	4.1	2.3	3.0	3.7	3.2	8.2	9.0	41	17	14	19	21
28	4.7	2.2	3.0	3.0	4.0	7.7	12	36	15	22	15	19
29	4.1	2.4	2.7	3.6	---	8.5	11	32	14	17	13	18
30	3.4	2.8	3.0	3.6	---	5.6	12	32	13	29	14	18
31	4.4	---	3.5	3.8	---	6.2	---	38	---	21	29	---
TOTAL	121.8	117.8	89.2	100.1	103.5	198.9	277.7	1138	922	347.2	747	636
MEAN	3.93	3.93	2.88	3.23	3.70	6.42	9.26	36.7	30.7	11.2	24.1	21.2
AC-FT	242	234	177	199	205	395	551	2260	1830	689	1480	1260
MAX	7.7	5.6	4.0	3.8	4.5	11	24	65	60	29	58	49
MIN	2.3	2.2	2.0	2.6	3.0	3.3	3.5	11	13	6.2	13	11

CAL YR 1996 TOTAL 1857.1 MEAN 5.07 MAX 26 MIN 1.8 AC-FT 3680
WTR YR 1997 TOTAL 4799.2 MEAN 13.1 MAX 65 MIN 2.0 AC-FT 9520

MAX DISCH 83 CFS AT 0600 07-AUG-1997 GH 2.87 FT. SHIFT 0.05 FT. MAX GH 2.87 FT. AT 0600 07-AUG-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO

LOCATION.--Lat 37°22'29", long 106°20'03", in NW¼NE¼ sec. 17, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13100002, on left bank 0.8 mi upstream from high-water line of Terrace Reservoir at elevation 8,568 ft., 3.0 mi. downstream from French Creek, and 15 mi. northwest of Capulin.

DRAINAGE AREA.--107 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,600 ft., from topographic map.

REMARKS.--Record is complete and reliable except for October 21-26, Nov. 1-2, 5, 7, 9, 11, 24, 26, 28, and Dec. 1, 1996 when the station was isolated; and Dec. 6, 1996 through Mar. 25, 1997 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 8, 10, 12, 17-19, 29-30, and Dec. 2-5, 1996. Record is good except for the periods of ice affected and no gage height record which is poor. Station maintained and record developed by the Division III Hydrographic Staff.

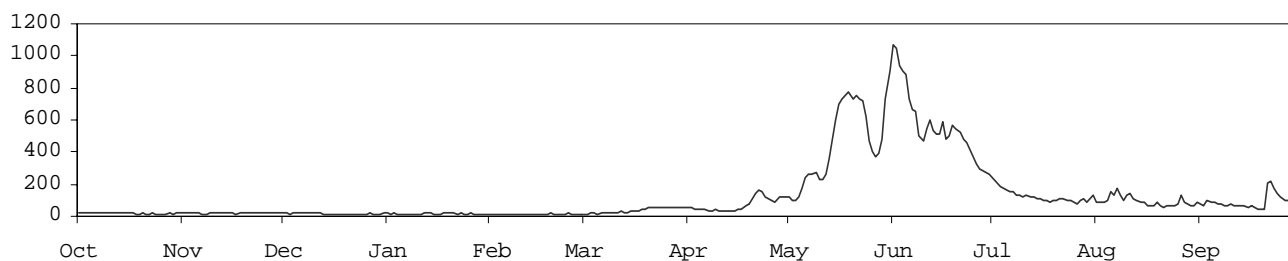
RATING TABLE.--ALATERCO15 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	17	17	17	16	13	58	120	1070	239	92	80
2	18	19	19	16	15	16	53	103	1050	204	88	67
3	18	17	16	17	14	18	49	99	943	190	89	97
4	26	20	18	16	13	17	49	121	901	178	98	84
5	26	18	17	16	15	16	45	173	887	166	152	87
6	23	17	18	15	14	17	39	241	733	154	128	81
7	22	16	17	15	13	18	37	260	668	151	175	73
8	21	16	18	16	14	18	38	261	658	133	126	65
9	18	17	18	15	14	19	39	278	502	126	100	68
10	17	17	19	16	15	21	36	225	473	124	136	80
11	17	17	18	16	15	25	34	226	548	128	143	65
12	17	17	17	17	14	28	31	261	595	120	111	68
13	18	18	16	18	15	27	32	360	539	116	94	61
14	18	18	15	17	13	27	31	482	508	110	90	63
15	19	19	14	15	14	31	33	602	515	106	83	55
16	18	17	14	15	15	30	39	700	586	101	70	69
17	19	16	13	14	16	34	45	726	479	94	67	54
18	15	19	12	17	16	39	62	758	504	92	69	48
19	16	22	13	19	17	44	80	771	566	100	82	47
20	18	22	13	17	16	50	111	726	548	96	65	48
21	13	21	16	17	14	54	146	758	525	114	60	205
22	16	23	15	15	13	54	163	726	485	108	68	221
23	19	22	14	17	16	52	148	719	463	99	69	171
24	14	17	13	15	18	50	125	620	416	93	69	138
25	16	24	15	15	16	50	104	464	367	83	74	118
26	13	21	15	17	15	54	93	409	332	79	136	103
27	16	23	17	16	15	58	92	368	292	97	90	93
28	17	23	16	14	14	59	115	398	284	110	75	84
29	16	23	15	15	---	60	116	480	278	91	65	77
30	20	20	16	13	---	55	115	732	265	106	68	70
31	19	---	18	15	---	60	---	908	---	126	85	---
TOTAL	561	576	492	493	415	1114	2158	14075	16980	3834	2917	2640
MEAN	18.1	19.2	15.9	15.9	14.8	35.9	71.9	454	566	124	94.1	88.0
AC-FT	1110	1140	976	978	823	2210	4280	27920	33680	7600	5790	5240
MAX	26	24	19	19	18	60	163	908	1070	239	175	221
MIN	13	16	12	13	13	13	31	99	265	79	60	47
CAL YR 1996 TOTAL		20692	MEAN	56.5	MAX	484	MIN	11	AC-FT	41040		
WTR YR 1997 TOTAL		46255	MEAN	127	MAX	1070	MIN	12	AC-FT	91750		

MAX DISCH 1396 CFS AT 2315 01-JUN-1997 GH 3.51 FT. SHIFT 0.16 FT. MAX GH 3.51 FT. AT 2315 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO

LOCATION.--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

DRAINAGE AREA.--116 mi².

GAGE.--Water-stage recorder with satellite telemetry. Altitude of gage is 8,375 ft, from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Jan. 2-6, 1997 when the well was frozen; and Jan. 7-Mar. 6, 1997 when the station was closed for the winter. Record is good except for periods of no gage height record which are fair to poor. Station maintained and record developed by the Division III Hydrographic Staff.

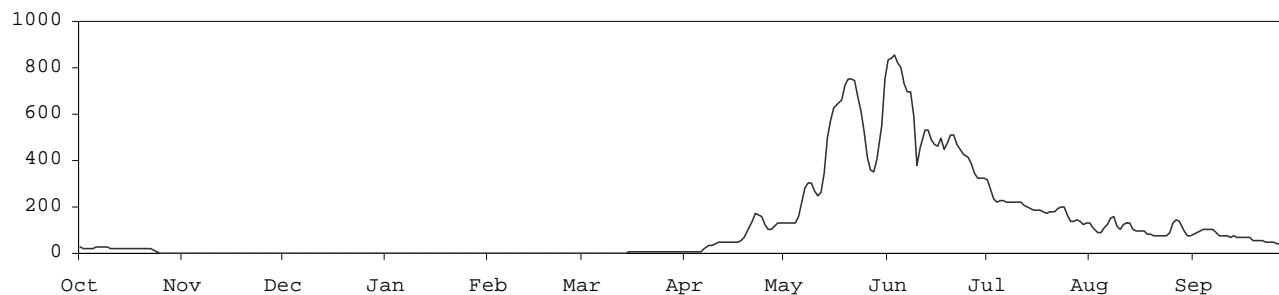
RATING TABLE.--ALABELCO12 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	1.9	1.4	1.9	2.0	2.8	4.4	128	835	314	134	86
2	23	1.9	1.4	2.0	2.0	2.9	4.8	128	844	278	107	92
3	21	1.9	1.4	2.0	2.0	3.0	4.9	128	854	232	91	100
4	21	1.6	1.4	2.0	2.0	3.0	5.0	128	818	221	91	104
5	24	1.1	1.4	2.0	2.0	3.0	5.2	158	798	225	110	104
6	28	1.0	1.4	2.0	2.0	3.1	5.2	222	733	225	127	104
7	28	1.0	1.4	2.0	2.0	3.1	24	281	698	224	152	104
8	28	1.0	1.4	2.0	2.0	3.1	35	304	700	224	158	88
9	28	1.0	1.4	2.0	2.0	3.1	35	302	590	222	120	77
10	24	1.0	1.6	2.0	2.0	3.1	42	268	377	222	104	77
11	18	1.1	1.6	2.0	2.1	3.1	46	246	453	221	121	74
12	18	1.2	1.6	2.0	2.1	3.2	46	262	534	208	131	72
13	18	1.2	1.6	2.0	2.1	3.2	46	344	532	200	130	73
14	20	1.2	1.6	2.0	2.1	3.4	46	494	491	191	106	72
15	21	1.2	1.6	2.0	2.1	3.7	46	572	472	185	94	72
16	22	1.2	1.8	2.0	2.2	3.7	46	628	464	185	94	72
17	22	1.2	1.6	2.0	2.3	3.7	46	646	497	184	94	72
18	22	1.2	1.6	2.0	2.4	3.7	56	665	451	177	85	72
19	22	1.2	1.6	2.0	2.4	3.8	72	727	476	172	80	58
20	22	1.2	1.6	2.0	2.4	3.8	97	755	508	178	79	52
21	22	1.3	1.6	2.0	2.4	3.8	138	751	509	182	79	52
22	22	1.3	1.6	2.0	2.4	3.8	169	748	466	194	79	52
23	15	1.3	1.8	2.0	2.4	3.9	165	679	448	199	79	50
24	3.8	1.3	1.8	2.0	2.4	4.1	157	611	426	198	79	48
25	1.9	1.3	1.8	2.0	2.4	3.9	124	527	411	164	93	48
26	1.9	1.3	1.8	2.0	2.5	3.9	104	413	385	141	128	44
27	1.9	1.4	1.8	2.0	2.6	4.0	104	362	344	136	147	43
28	1.9	1.4	1.8	2.0	2.7	3.9	119	352	326	144	135	44
29	1.9	1.3	1.8	2.0	---	3.9	128	409	325	135	97	84
30	1.9	1.4	1.8	2.0	---	4.1	128	552	324	121	78	81
31	1.9	---	1.8	2.0	---	4.2	---	753	---	128	77	---
TOTAL	533.1	38.6	49.8	61.9	62.0	109.0	2048.5	13543	16089	6030	3279	2171
MEAN	17.2	1.29	1.61	2.00	2.21	3.52	68.3	437	536	195	106	72.4
AC-FT	1060	77	99	123	123	216	4060	26860	31910	11960	6500	4310
MAX	28	1.9	1.8	2.0	2.7	4.2	169	755	854	314	158	104
MIN	1.9	1.0	1.4	1.9	2.0	2.8	4.4	128	324	121	77	43
CAL YR 1996 TOTAL		23627.7	MEAN	64.6	MAX	535	MIN	1.0	AC-FT	46870		
WTR YR 1997 TOTAL		44014.9	MEAN	121	MAX	854	MIN	1.0	AC-FT	87300		

MAX DISCH 872 CFS AT 0300 04-JUN-1997 GH 4.87 FT. SHIFT 0.09 FT. MAX GH 4.87 FT. AT 0300 04-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO

LOCATION.--Lat 37°12'32", long 106°11'16", in NE¼ sec. 10, T.34 N., R.7 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.7 mi. downstream from Canyon Del Rancho, 7 mi. southwest of Capulin, and 16.5 mi. downstream from La Jara Reservoir.

DRAINAGE AREA.--98 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,130 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 22-24, Nov. 10, 17, 28-30, Dec. 1-5, 1996, Apr. 7, 13, 1997 when the well was frozen; and Dec.6, 1996 through Mar. 25, 1997 when the station was closed for the winter. Stage discharge relation affected by ice Oct. 21, 26-27, 29-31, Nov. 1-2, 4-9, 11-12, 18, 26-27, 1996. Record is good except for periods of no gage height and ice affected record which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--LAJCAPCO17 USED FROM 01-OCT-1996 TO 30-SEP-1997

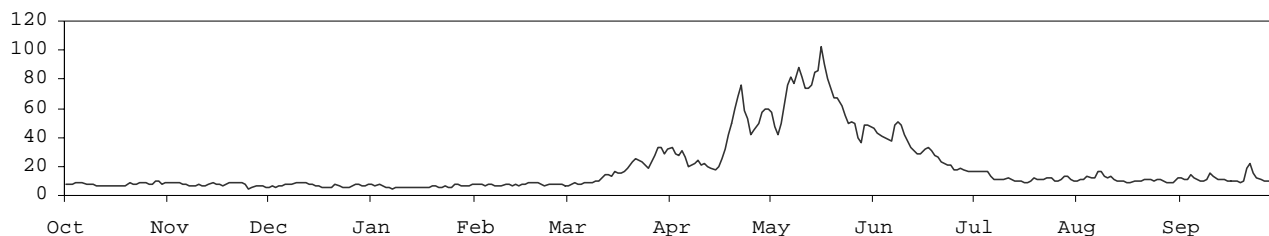
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	8.4	5.6	7.2	8.2	6.6	33	57	46	16	10	12
2	7.3	8.4	6.2	7.0	8.0	7.8	29	47	43	16	11	11
3	8.0	8.9	5.8	7.4	7.4	8.4	27	42	41	16	11	11
4	8.6	8.8	6.2	6.6	7.0	8.0	31	49	40	16	13	14
5	9.2	8.0	6.8	6.0	7.6	7.6	26	63	38	16	12	12
6	8.5	7.6	7.8	5.0	7.2	8.8	20	76	37	13	12	11
7	8.2	6.4	7.2	4.8	6.6	9.2	21	82	48	11	16	10
8	8.1	6.6	8.0	5.2	6.8	9.2	22	77	51	11	16	10
9	7.8	7.0	8.4	5.0	6.4	9.8	24	88	48	11	13	11
10	6.8	7.2	9.2	5.4	7.2	10	21	82	42	11	12	15
11	6.6	7.0	9.0	5.4	7.2	12	22	74	37	12	13	13
12	6.6	6.8	8.6	5.8	6.8	14	20	74	33	11	11	11
13	6.6	7.8	8.0	6.0	7.2	14	19	76	31	10	10	11
14	6.6	8.5	7.6	5.6	6.8	13	18	85	29	10	9.7	11
15	6.6	8.2	6.6	5.0	7.2	16	20	86	29	9.7	9.8	10
16	6.6	7.4	6.6	5.0	7.6	15	25	102	32	9.2	9.0	10
17	6.9	6.2	5.6	5.0	8.4	15	32	90	33	9.3	8.8	10
18	6.9	8.0	5.0	6.0	8.4	17	42	80	31	9.4	9.7	9.6
19	6.9	9.2	5.8	6.8	8.8	19	49	74	28	12	10	8.7
20	8.8	9.1	5.8	6.2	8.4	23	60	67	26	11	9.6	10
21	8.2	8.5	7.2	6.0	7.2	25	68	67	23	11	11	19
22	7.6	9.2	6.6	5.4	6.8	24	76	62	22	11	11	22
23	8.6	9.3	5.8	6.2	7.6	23	58	55	21	12	11	15
24	8.8	7.7	5.4	5.6	7.6	21	53	49	21	12	9.8	12
25	8.9	4.2	6.0	6.0	7.4	19	42	51	18	10	11	11
26	7.3	5.8	6.4	7.6	7.2	23	45	50	18	9.9	11	10
27	8.2	6.8	7.6	7.2	7.2	28	49	40	19	11	9.6	9.9
28	10	6.2	7.2	6.6	7.0	33	57	36	18	13	9.0	9.4
29	9.4	6.6	6.6	7.0	---	33	59	48	17	13	8.7	9.0
30	8.2	6.0	7.0	6.8	---	29	59	48	16	11	9.1	8.6
31	8.4	---	7.4	7.8	---	32	---	47	---	10	12	---
TOTAL	242.7	225.8	213.0	188.6	207.2	533.4	1127	2024	936	364.5	339.8	347.2
MEAN	7.83	7.53	6.87	6.08	7.40	17.2	37.6	65.3	31.2	11.8	11.0	11.6
AC-FT	481	448	422	374	411	1060	2240	4010	1860	723	674	689
MAX	10	9.3	9.2	7.8	8.8	33	76	102	51	16	16	22
MIN	6.6	4.2	5.0	4.8	6.4	6.6	18	36	16	9.2	8.7	8.6

CAL YR 1996 TOTAL 4555.4 MEAN 12.4 MAX 52 MIN 4.2 AC-FT 9040
WTR YR 1997 TOTAL 6749.2 MEAN 18.5 MAX 102 MIN 4.2 AC-FT 13390

MAX DISCH 129 CFS AT 1115 16-MAY-1997 GH 4.38 FT. SHIFT 0.03 FT. MAX GH 4.38 FT. AT 1115 16-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES, CO

LOCATION.--Lat 37°17'54", long 105°51'00, SW¼SW¼ sec. 2, T.35 N., R.10 E., Conejos County, Hydrologic Unit 13100002, on right bank of ditch.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry at a 3' Parshall Flume.

REMARKS.--Record is complete and reliable except for Dec. 5, 17-19,1996 when the well was frozen, Dec. 20, 1996 to Mar. 12, 1997 when the station was closed for the winter, and Mar. 19-Apr. 10, 1997 when pen was not inking, and June 11,12, 1997 when the float tapes were off of the shaft encoder and chart recorder wheels. Stage-discharge relation was affected by ice Nov. 30, Dec. 1-3,8,9,12-16, 1996. Record is good except for periods of no gage-height and ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NORDSCCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

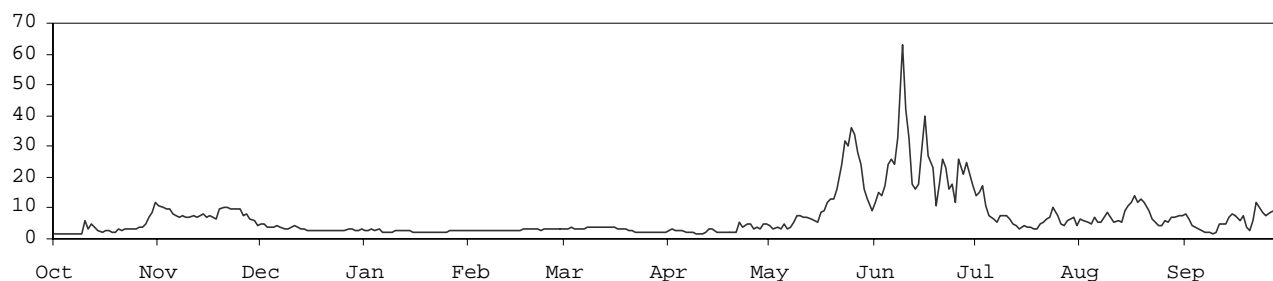
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	11	4.6	2.9	2.8	3.2	2.5	4.3	12	14	6.4	7.9
2	1.6	10	4.6	2.9	2.7	3.3	3.1	3.4	15	15	5.9	6.6
3	1.5	9.6	3.8	3.0	2.7	3.6	2.8	3.8	14	17	5.5	4.2
4	1.6	9.5	3.6	2.9	2.5	3.5	2.8	3.4	17	11	5.0	3.8
5	1.4	8.3	3.7	3.0	2.7	3.4	2.6	4.7	24	7.3	7.1	3.1
6	1.5	7.5	4.2	2.3	2.7	3.4	2.0	3.3	26	6.4	5.3	2.5
7	1.5	6.9	3.7	1.9	2.5	3.5	2.1	3.7	24	5.2	5.4	2.2
8	1.6	7.6	3.4	1.9	2.5	3.6	1.9	5.2	33	7.5	6.9	1.9
9	1.6	6.9	3.4	2.3	2.5	3.6	1.8	7.3	63	7.8	8.7	1.8
10	6.1	7.2	4.0	2.7	2.5	3.6	1.8	7.5	42	7.8	7.1	2.4
11	3.5	7.6	4.4	2.5	2.7	3.8	1.6	7.0	33	6.2	5.5	4.8
12	4.7	7.2	3.7	2.6	2.7	3.6	2.4	6.9	18	4.7	5.8	4.6
13	3.9	7.3	3.3	2.7	2.8	3.7	3.0	6.7	16	4.2	5.4	4.8
14	2.6	8.3	3.0	2.7	2.8	3.9	3.1	5.8	18	3.4	8.9	7.1
15	2.1	7.0	2.9	2.3	2.8	3.9	2.2	5.5	29	4.3	11	8.2
16	2.5	7.7	2.8	2.2	2.8	3.9	2.3	8.6	40	4.0	12	7.3
17	2.5	7.2	2.7	2.2	3.2	3.2	2.1	9.1	27	3.7	14	6.0
18	2.3	6.4	2.6	2.2	3.1	3.4	2.4	12	23	3.4	12	7.8
19	2.3	9.5	2.7	2.3	3.1	3.4	2.4	13	11	3.5	13	3.9
20	3.0	10	2.7	2.3	3.1	2.8	2.3	13	18	4.8	12	2.9
21	2.8	10	2.9	2.4	3.0	2.5	2.2	16	26	5.4	9.2	6.1
22	3.3	9.8	2.9	2.3	2.9	2.2	5.4	24	23	6.3	6.4	12
23	3.2	9.8	2.8	2.4	3.3	2.2	3.8	32	16	7.1	5.2	10
24	3.1	9.8	2.7	2.4	3.2	2.1	4.8	30	18	10	4.1	8.5
25	3.4	9.5	2.8	2.4	3.2	2.2	5.1	36	12	7.6	4.5	7.6
26	3.8	7.8	2.7	2.8	3.1	2.2	3.4	34	26	4.9	6.0	8.8
27	3.9	8.0	3.1	2.8	3.5	2.2	3.8	28	21	4.5	5.4	9.0
28	4.9	6.4	3.0	2.8	3.5	2.2	3.4	24	25	5.9	7.1	8.5
29	6.9	5.8	2.9	2.7	---	2.2	4.6	16	21	6.7	6.8	7.9
30	8.5	4.3	2.9	2.6	---	2.2	5.1	13	17	7.0	7.3	7.2
31	12	---	3.0	2.7	---	2.4	---	9.4	---	4.2	7.4	---
TOTAL	105.2	243.9	101.5	78.1	80.9	94.9	88.8	396.6	708	210.8	232.3	179.4
MEAN	3.39	8.13	3.27	2.52	2.89	3.06	2.96	12.8	23.6	6.80	7.49	5.98
AC-FT	209	484	201	155	160	188	176	787	1400	418	461	356
MAX	12	11	4.6	3.0	3.5	3.9	5.4	36	63	17	14	12
MIN	1.4	4.3	2.6	1.9	2.5	2.1	1.6	3.3	11	3.4	4.1	1.8

CAL YR 1996 TOTAL 1803.2 MEAN 4.93 MAX 31 MIN 1.3 AC-FT 3580
WTR YR 1997 TOTAL 2520.4 MEAN 6.91 MAX 63 MIN 1.4 AC-FT 5000

MAX DISCH 68 CFS AT 1545 09-JUN-1997 GH 3.04 FT. SHIFT -0.01 FT. MAX GH 3.04 FT. AT 1545 09-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO

LOCATION.--Lat 37°20'10", long 105°46'13", NE¼SW¼ sec. 28, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.5 mi east by northeast along canal from State Route 158.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry at a 6' Parshall Flume.

REMARKS.--Record is complete and reliable except for the following periods: Dec. 1-19, 1996, Mar. 4-10, 1997 when the well was frozen; Dec. 20, 1996 through Mar. 3, 1997 when the station was closed for the winter; and Mar. 20-21, 1997 when the new flume was being installed. Stage discharge relation affected by ice Oct. 22-24, 26-27, Nov. 17-18, 25-26, 30, 1996. Record is good except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--NORDLSCO02 USED FROM 01-OCT-1996 TO 20-MAR-1997
 NORDLSCO03 USED FROM 21-MAR-1997 TO 30-SEP-1997

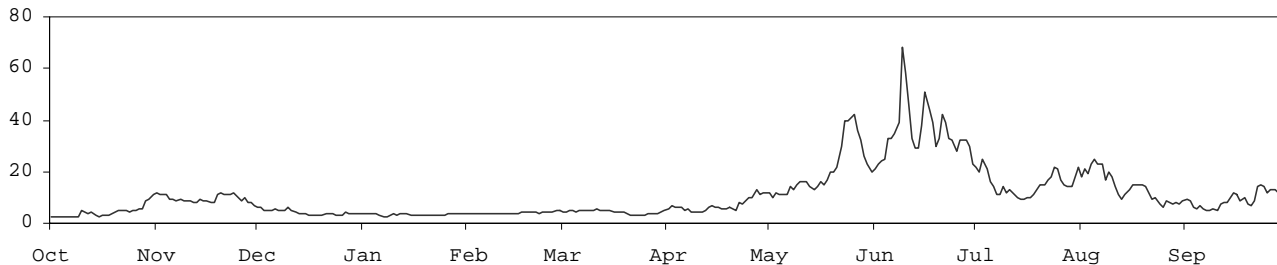
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	12	6.0	3.7	3.9	4.3	5.5	12	21	22	18	9.0
2	2.5	11	6.2	3.7	3.8	4.5	7.1	9.8	23	20	21	8.7
3	2.5	11	5.0	4.0	3.8	5.0	6.2	12	24	25	19	6.0
4	2.6	11	5.2	3.7	3.5	4.8	6.4	11	25	21	23	5.8
5	2.7	9.6	5.0	3.9	4.0	4.6	6.0	11	33	16	25	6.9
6	2.7	9.0	5.8	3.0	3.9	4.7	5.1	11	33	14	23	5.4
7	2.6	8.9	5.2	2.5	3.6	4.9	5.4	14	35	11	23	4.9
8	2.6	9.1	5.2	2.6	3.5	5.0	4.3	13	39	11	17	5.0
9	2.6	8.9	5.2	3.2	3.5	5.2	4.2	15	68	14	20	5.5
10	5.0	8.7	6.0	3.6	3.5	5.2	4.2	16	58	12	18	4.9
11	4.6	8.6	5.2	3.2	3.7	5.6	4.6	16	46	13	14	7.4
12	4.0	8.2	4.4	3.5	3.7	5.2	5.1	16	33	11	11	8.2
13	4.1	8.3	3.6	3.7	3.9	5.1	6.1	14	29	9.8	9.2	8.1
14	3.2	9.1	3.7	3.6	3.8	4.9	7.1	13	29	9.4	11	10
15	2.7	8.6	3.6	3.0	3.8	5.0	6.2	14	38	9.4	13	12
16	2.8	8.7	3.4	2.9	3.8	4.6	6.2	16	51	10	15	11
17	2.9	8.2	3.2	2.9	4.3	4.5	5.4	15	44	9.7	15	8.9
18	3.1	8.2	3.0	3.0	4.2	4.3	5.4	17	39	11	15	10
19	3.6	11	3.1	3.2	4.3	4.5	5.9	20	30	13	15	7.7
20	4.2	12	3.1	3.2	4.2	3.8	5.6	20	33	15	14	6.7
21	4.7	11	3.9	3.4	4.1	3.4	5.2	22	42	15	12	8.6
22	4.9	11	3.9	3.2	4.0	3.3	8.0	30	39	17	9.5	14
23	5.1	11	3.5	3.3	4.5	3.3	7.7	40	33	18	10	15
24	4.4	12	2.9	3.3	4.3	3.2	8.6	40	32	22	7.5	14
25	4.7	10	3.2	3.3	4.3	3.4	10	41	28	21	5.9	12
26	4.9	8.9	3.1	4.0	4.2	3.5	9.9	42	32	17	8.5	13
27	5.4	9.8	4.1	3.8	4.8	3.5	13	36	32	15	7.9	13
28	5.8	8.2	4.0	3.9	4.8	3.5	11	32	32	14	7.7	12
29	8.6	7.9	3.7	3.7	---	3.6	12	26	30	14	7.9	12
30	9.6	6.8	3.7	3.5	---	4.5	12	23	23	18	7.4	11
31	11	---	3.9	3.7	---	5.2	---	20	---	22	8.8	---
TOTAL	132.8	286.7	131.0	105.2	111.7	136.1	209.4	637.8	1054	470.3	432.3	276.7
MEAN	4.28	9.56	4.23	3.39	3.99	4.39	6.98	20.6	35.1	15.2	13.9	9.22
AC-FT	263	569	260	209	222	270	415	1270	2090	933	857	549
MAX	11	12	6.2	4.0	4.8	5.6	13	42	68	25	25	15
MIN	2.5	6.8	2.9	2.5	3.5	3.2	4.2	9.8	21	9.4	5.9	4.9

CAL YR 1996 TOTAL 2467.9 MEAN 6.74 MAX 33 MIN 1.3 AC-FT 4900
 WTR YR 1997 TOTAL 3984.0 MEAN 10.9 MAX 68 MIN 2.5 AC-FT 7900

MAX DISCH 78 CFS AT 1700 09-JUN-1997 GH 1.99 FT. SHIFT 0.11 FT. MAX GH 1.99 FT. AT 1700 09-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08240000 RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK, NEAR LASAUSES, CO

LOCATION.--Lat 37°18'58", long 105°44'32", in sec. 35, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank 0.2 mi upstream from the historical channel of Trinchera Creek, 3.2 mi north of Lasausés, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--5,740 mi²., approximately, includes 2,940 mi². in closed basin in northern part of San Luis Valley, Co. May 1936 to current year. Water quality data from 1993 to 1996.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,500 ft, estimated from nearby level lines. Although the name of the station is Rio Grande above Mouth of Trinchera Creek, over a period of years Trinchera Creek has shifted allowing the majority of Trinchera Creek water to enter the Rio Grande River above the station.

REMARKS.--Record is complete and reliable except for Oct. 1-15, 17-18, 1996 when the inlets were plugged; Dec. 3-10, 17-19, 1996 when the well was frozen; Dec. 20, 1996-Feb. 13, 1997 when the station was closed for the winter. Stage-discharge relation affected by ice Nov. 30-Dec. 2, 11-16, 1996. Record is good except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

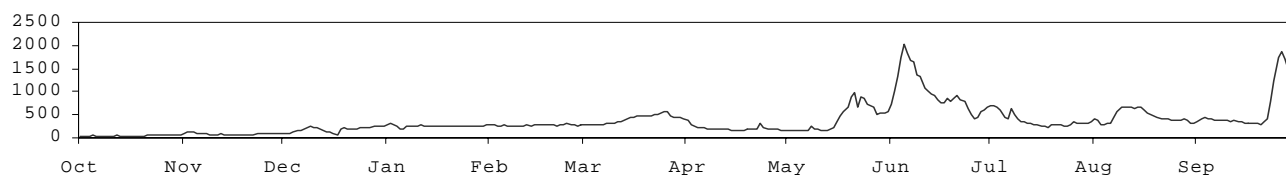
RATING TABLE.--RIOTRICO11 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	98	85	285	280	274	364	159	728	698	414	353
2	35	132	95	310	290	288	285	159	1020	692	373	400
3	36	123	105	280	245	283	258	161	1340	679	271	452
4	38	113	115	255	260	288	234	154	1740	609	287	424
5	48	109	150	175	280	277	211	154	2010	447	325	405
6	44	96	165	195	255	279	206	150	1850	405	327	388
7	39	86	175	240	250	277	196	171	1680	620	440	389
8	39	80	210	245	255	302	180	240	1630	501	564	369
9	39	77	240	250	250	314	186	194	1360	406	649	364
10	39	77	230	260	260	320	190	191	1320	351	653	365
11	46	77	225	270	265	345	194	164	1080	337	670	357
12	48	80	190	265	275	358	187	164	1010	327	672	382
13	42	78	165	265	240	384	176	153	957	332	643	359
14	42	77	135	245	280	397	172	180	928	298	670	342
15	41	77	120	245	281	429	165	208	833	285	669	332
16	41	79	105	250	281	442	170	354	763	249	587	313
17	41	79	65	250	277	465	162	464	765	261	529	302
18	41	75	200	255	280	475	164	580	866	232	499	329
19	41	77	220	240	286	483	185	667	789	291	479	308
20	43	79	195	250	285	469	191	884	860	275	450	285
21	49	78	190	245	262	476	201	990	903	281	423	340
22	65	79	180	245	282	503	178	657	819	293	401	422
23	48	81	200	240	296	495	305	882	789	260	402	785
24	51	83	210	245	301	530	220	863	631	241	391	1240
25	53	84	220	260	271	578	175	732	500	294	385	1750
26	56	85	230	255	279	555	182	705	422	354	387	1880
27	71	87	230	250	268	484	188	655	454	321	375	1700
28	60	88	240	250	294	457	179	514	563	309	410	1490
29	61	87	255	250	---	443	166	543	600	324	364	1260
30	62	88	260	265	---	430	145	550	674	303	331	1070
31	78	---	265	280	---	409	---	580	---	337	326	---
TOTAL	1472	2609	5670	7815	7628	12509	6015	13222	29884	11612	14366	19155
MEAN	47.5	87.0	183	252	272	404	201	427	996	375	463	639
AC-FT	2920	5170	11250	15500	15130	24810	11930	26230	59270	23030	28490	37990
MAX	78	132	265	310	301	578	364	990	2010	698	672	1880
MIN	35	75	65	175	240	274	145	150	422	232	271	285
CAL YR 1996 TOTAL		47618	MEAN	130	MAX	443	MIN	10	AC-FT	94450		
WTR YR 1997 TOTAL		131957	MEAN	362	MAX	2010	MIN	35	AC-FT	261700		

MAX DISCH 2037 CFS AT 1045 05-JUN-1997 GH 6.58 FT. SHIFT -0.37 FT. MAX GH 6.58 FT. AT 1045 05-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO

LOCATION.--Lat 37°22'29", long 105°17'40", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

DRAINAGE AREA.--45 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,520 ft, from topographic map.

REMARKS.--Record is complete and reliable except for Dec. 18-26, 1996 when the well was frozen, and Dec. 27, 1996 through Mar. 19, 1997 when the station was closed for the winter. Stage-discharge relation was affected by ice Oct. 22, Nov. 8, 17, 24-29, Dec. 1-5, 8-9, 13, 15-17, 1996, and Apr. 6, 1997. Record is good except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

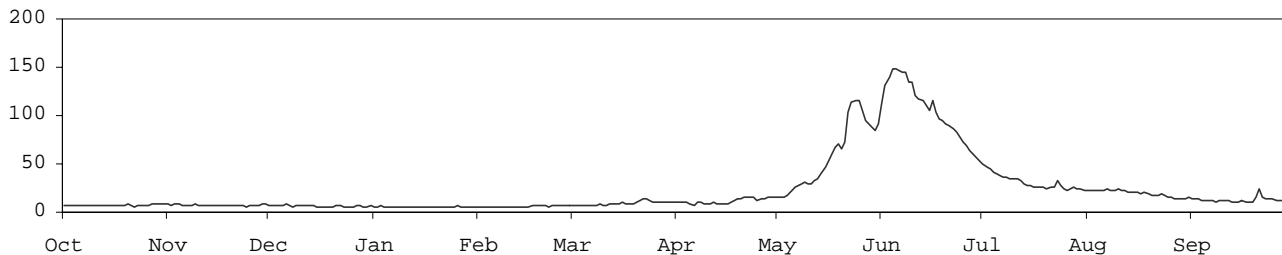
RATING TABLE.--TRITURCO12 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	7.8	7.6	5.6	5.8	7.0	9.8	16	112	50	22	14
2	7.6	7.2	7.4	5.6	5.6	7.0	9.6	16	131	46	23	13
3	7.5	8.0	7.2	6.2	5.8	7.4	10	16	139	44	22	13
4	7.5	8.0	7.6	6.0	5.4	7.2	10	18	149	42	23	12
5	7.6	7.6	7.4	5.4	5.6	6.8	8.9	22	148	40	23	12
6	7.5	7.6	7.8	5.0	6.0	6.4	7.7	26	146	38	23	12
7	7.5	6.1	7.7	4.8	5.8	7.0	11	28	144	37	24	12
8	7.4	7.1	6.0	5.0	5.4	7.0	9.7	30	144	36	22	11
9	7.4	7.9	6.4	5.6	5.2	8.0	9.1	31	134	35	22	12
10	7.5	7.5	6.5	5.8	5.0	7.6	9.0	29	134	34	24	12
11	7.5	7.2	6.2	5.2	5.6	7.4	8.5	30	121	34	23	12
12	7.4	7.0	6.1	4.9	5.4	8.2	9.8	33	118	32	22	12
13	7.4	6.9	6.2	5.6	5.8	8.0	8.8	35	116	30	21	11
14	7.4	6.8	6.3	5.4	5.4	7.8	8.0	40	110	28	21	11
15	7.4	6.8	6.0	4.8	6.0	9.0	8.5	46	105	27	21	10
16	7.3	6.9	6.0	4.8	5.8	10	9.3	53	115	26	20	12
17	7.4	7.1	5.4	4.5	6.8	9.4	10	61	103	26	19	10
18	7.0	7.6	5.0	4.9	7.2	8.4	12	68	97	26	21	9.9
19	7.2	7.4	5.4	5.2	7.0	9.0	13	71	94	26	19	9.6
20	7.9	7.4	5.6	5.2	6.6	11	14	65	91	25	17	16
21	6.7	7.1	6.6	5.8	6.2	12	16	73	89	26	17	24
22	5.0	7.2	6.2	5.6	5.8	13	16	104	86	26	18	16
23	6.9	7.2	5.8	5.8	6.4	13	15	114	82	32	19	14
24	7.7	6.0	5.8	5.6	6.2	12	15	116	78	28	17	14
25	7.6	7.0	5.8	5.6	6.2	11	12	115	73	25	16	13
26	7.5	7.0	6.0	6.4	6.8	11	14	106	69	23	16	12
27	7.8	7.0	6.2	6.0	7.4	11	13	94	64	25	14	12
28	8.3	7.0	6.2	5.8	7.4	10	15	91	60	26	14	12
29	8.5	7.9	6.0	5.6	---	10	15	88	57	24	13	12
30	8.0	7.9	5.8	5.4	---	9.5	15	85	53	24	14	12
31	8.0	---	6.2	5.8	---	9.8	---	91	---	22	15	---
TOTAL	231.1	217.2	196.4	168.9	169.6	281.9	342.7	1811	3162	963	605	377.5
MEAN	7.45	7.24	6.34	5.45	6.06	9.09	11.4	58.4	105	31.1	19.5	12.6
AC-FT	458	431	390	335	336	559	680	3590	6270	1910	1200	749
MAX	8.5	8.0	7.8	6.4	7.4	13	16	116	149	50	24	24
MIN	5.0	6.0	5.0	4.5	5.0	6.4	7.7	16	53	22	13	9.6
CAL YR 1996 TOTAL		3670.0	MEAN	10.0	MAX	26	MIN	5.0	AC-FT	7280		
WTR YR 1997 TOTAL		8526.3	MEAN	23.4	MAX	149	MIN	4.5	AC-FT	16910		

MAX DISCH 155 CFS AT 1945 04-JUN-1997 GH 2.47 FT. SHIFT -0.17 FT. MAX GH 2.47 FT. AT 1945 04-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO

LOCATION.--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi².

GAGE.--Graphic water-stage recorder.

REMARKS.--Record is complete and reliable except for the following periods: Dec. 3, 1996 through Mar. 5, 1997, Mar. 19-20, when the clock was stopping. Record is good except for periods of no gage height record, which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TRIMTNC06 USED FROM 01-OCT-1996 TO 30-SEP-1997

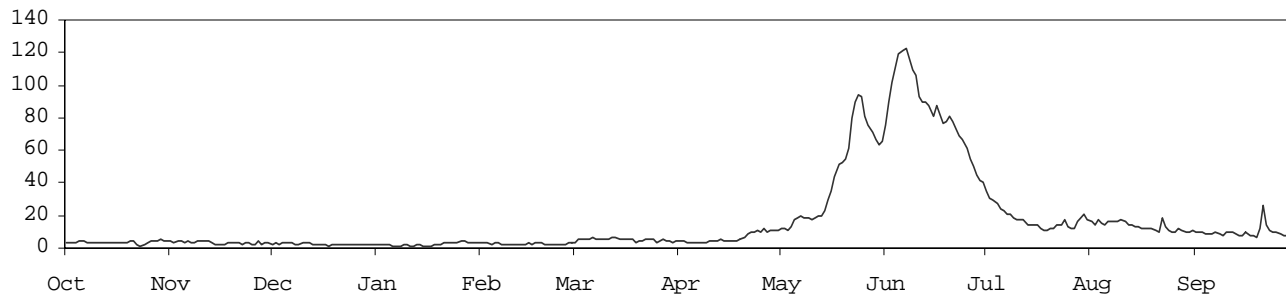
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	4.2	2.2	2.2	3.4	3.8	4.8	12	76	35	16	10
2	3.8	3.5	3.0	2.2	3.4	5.0	4.6	12	90	31	14	9.4
3	3.8	4.6	2.4	2.6	3.4	5.0	2.8	11	102	29	17	9.7
4	3.8	4.6	2.8	2.4	2.7	5.6	3.0	13	110	27	15	8.9
5	4.2	3.8	2.8	1.9	2.8	5.6	3.2	17	119	24	14	8.9
6	4.2	4.2	3.2	1.6	3.0	6.3	2.8	19	121	23	16	8.9
7	3.8	3.5	2.9	1.5	2.7	5.9	2.8	20	123	21	16	9.4
8	3.5	3.2	2.5	1.6	2.2	6.0	3.0	19	116	21	16	8.4
9	3.5	4.2	2.7	1.9	2.1	6.0	3.0	19	109	19	16	7.9
10	3.5	4.2	3.3	2.3	2.1	6.0	4.2	18	106	17	17	9.4
11	3.2	4.2	3.3	1.6	2.4	6.0	4.2	19	93	17	16	9.4
12	3.0	4.2	3.3	1.6	2.1	6.6	4.9	20	90	17	14	9.4
13	3.0	3.5	2.7	2.3	2.4	6.6	5.6	20	90	14	14	8.4
14	3.0	2.5	2.4	2.3	2.1	6.0	4.6	23	87	14	13	7.9
15	3.2	2.5	2.0	1.6	2.8	5.6	4.2	30	81	14	13	7.9
16	3.2	2.5	2.1	1.6	2.2	6.0	4.2	35	87	14	12	10
17	3.2	2.0	1.7	1.5	3.4	6.0	4.6	44	82	12	12	7.9
18	3.2	2.8	1.5	2.0	3.4	5.2	4.9	51	77	11	12	7.4
19	3.2	2.8	1.8	2.4	3.0	3.8	5.2	53	78	11	12	7.0
20	4.6	2.8	1.8	2.4	2.6	3.9	6.3	55	81	12	11	12
21	4.2	2.8	2.3	3.5	2.0	4.6	8.6	61	78	12	10	26
22	2.5	2.5	2.3	3.5	1.8	6.0	9.8	80	73	14	19	14
23	1.2	2.8	2.0	3.7	2.3	6.0	10	90	69	14	13	11
24	2.2	2.8	2.0	3.7	2.2	5.2	11	94	67	18	11	10
25	3.8	1.8	1.9	3.7	2.2	3.5	9.4	93	61	13	10	9.4
26	4.1	2.7	2.3	4.5	2.5	4.6	12	81	55	12	10	8.9
27	4.6	4.2	2.4	4.0	3.1	6.0	10	76	50	12	12	7.9
28	4.9	2.2	2.3	3.6	3.6	4.9	11	71	45	16	11	7.4
29	5.2	3.8	2.0	3.3	---	4.6	11	67	42	19	9.7	7.4
30	4.6	3.8	1.9	3.0	---	3.5	11	63	41	21	10	7.4
31	4.6	---	2.4	3.4	---	4.2	---	66	---	18	11	---
TOTAL	112.6	99.2	74.2	79.4	73.9	164.0	186.7	1352	2499	552	412.7	287.6
MEAN	3.63	3.31	2.39	2.56	2.64	5.29	6.22	43.6	83.3	17.8	13.3	9.59
AC-FT	223	197	147	157	147	325	370	2680	4960	1090	819	570
MAX	5.2	4.6	3.3	4.5	3.6	6.6	12	94	123	35	19	26
MIN	1.2	1.8	1.5	1.5	1.8	3.5	2.8	11	41	11	9.7	7.0

CAL YR 1996 TOTAL 2300.3 MEAN 6.28 MAX 19 MIN 1.2 AC-FT 4560
WTR YR 1997 TOTAL 5893.3 MEAN 16.1 MAX 123 MIN 1.2 AC-FT 11690

MAX DISCH 134 CFS AT 0145 07-JUN-1997 GH 1.65 FT. SHIFT 0.17 FT. MAX GH 1.65 FT. AT 0145 07-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO

LOCATION.--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

DRAINAGE AREA.--190 mi².

GAGE.--Graphic water-stage recorder with satellite monitoring system. Altitude of gage is 7,900 ft, from topographic map.

REMARKS.--Record is complete and reliable. Stage-discharge relation affected by ice Nov. 28, 30, Dec. 1-5, 7-9, 15-19, 23-25, 1996, Jan. 6-9, 11, 12, 15-18, 20, 22, 24, 25, 29, 30, Feb. 3-27, Mar. 1-8, 10, 14, Apr. 11-14, 1997. Record is good except for periods of ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SANFTGCO18 USED FROM 01-OCT-1996 TO 30-SEP-1997

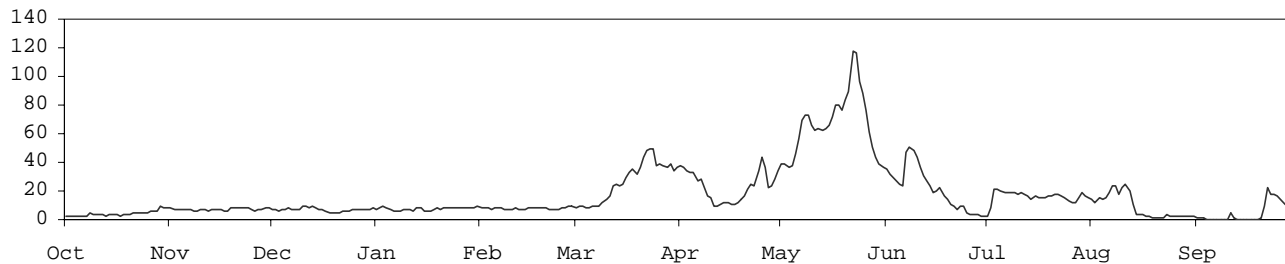
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	7.8	7.0	7.4	8.5	8.7	38	39	35	2.0	14	1.2
2	2.0	7.1	6.6	7.7	8.5	8.9	36	39	32	8.3	12	0.89
3	1.8	7.0	6.4	9.0	8.2	9.2	34	37	29	21	15	0.71
4	1.9	7.6	7.4	8.4	7.6	8.8	33	38	27	21	14	0.54
5	2.2	7.5	7.4	7.2	7.8	8.6	33	46	25	20	15	0.45
6	2.1	7.3	7.9	6.4	8.2	9.0	27	57	23	19	19	0.44
7	2.4	7.3	7.6	5.8	8.0	9.4	28	70	47	19	24	0.44
8	5.1	6.4	7.2	6.2	7.6	9.6	22	73	51	19	23	0.40
9	4.0	6.4	7.4	6.6	7.4	12	16	73	48	19	18	0.41
10	3.3	6.7	9.4	7.0	7.4	14	15	66	43	18	22	0.46
11	3.0	6.6	9.3	6.6	8.0	17	10	62	37	19	25	4.6
12	3.4	6.4	8.5	6.4	7.6	24	10	64	31	18	20	0.92
13	2.9	6.7	8.9	7.7	7.6	25	11	62	27	16	11	0.52
14	3.1	7.0	8.5	7.7	7.4	24	12	63	23	14	3.9	0.43
15	3.0	7.1	7.0	6.2	7.8	25	12	66	19	16	3.5	0.44
16	3.1	7.4	7.4	6.0	7.8	29	11	72	20	15	3.2	0.47
17	2.9	6.3	6.0	6.0	8.4	33	11	80	22	15	2.7	0.39
18	3.0	6.1	5.0	7.0	8.6	35	12	80	16	15	2.2	0.36
19	3.3	8.6	5.2	7.7	8.2	32	14	77	14	17	1.7	0.34
20	3.5	8.5	5.0	7.4	8.0	37	16	84	11	17	1.4	0.72
21	4.2	8.3	5.0	8.1	7.2	43	21	90	9.3	18	1.1	10
22	5.0	7.8	5.3	8.0	7.0	48	25	118	7.6	18	1.7	22
23	4.9	8.1	5.9	8.1	7.4	49	24	116	9.0	17	3.7	18
24	4.9	8.3	5.8	8.2	7.2	49	34	97	9.8	15	2.4	18
25	5.2	6.8	6.6	8.2	8.0	38	44	88	4.2	13	2.4	16
26	5.6	6.3	6.6	8.5	8.4	39	37	76	3.7	12	2.4	13
27	6.2	6.8	6.7	8.5	9.0	38	22	61	3.4	12	2.4	11
28	6.2	7.4	7.2	8.1	9.1	37	23	51	3.1	15	2.2	10
29	9.1	8.1	7.2	8.0	---	39	28	44	2.7	19	2.2	9.7
30	8.2	7.7	7.2	8.0	---	34	34	39	2.4	17	2.3	9.2
31	7.9	---	7.7	8.9	---	37	---	36	---	15	2.4	---
TOTAL	125.5	217.4	216.3	231.0	221.9	830.2	693	2064	635.2	499.3	275.8	152.03
MEAN	4.05	7.25	6.98	7.45	7.92	26.8	23.1	66.6	21.2	16.1	8.90	5.07
AC-FT	249	431	429	458	440	1650	1370	4090	1260	990	547	302
MAX	9.1	8.6	9.4	9.0	9.1	49	44	118	51	21	25	22
MIN	1.8	6.1	5.0	5.8	7.0	8.6	10	36	2.4	2.0	1.1	0.34

CAL YR 1996 TOTAL 2710.89 MEAN 7.41 MAX 20 MIN 0.24 AC-FT 5380
WTR YR 1997 TOTAL 6161.63 MEAN 16.9 MAX 118 MIN 0.34 AC-FT 12220

MAX DISCH 130 CFS AT 1630 22-MAY-1997 GH 2.94 FT. SHIFT -0.06 FT. MAX GH 2.94 FT. AT 1630 22-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO

LOCATION.--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

DRAINAGE AREA.--32 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,045 ft, from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 27-28, 1996, and Apr. 12-13, 1997 when the well was frozen; and Nov. 29, 1996 through Mar. 19, 1997 when the station was closed for the winter. Stage discharge relation affected by ice Oct. 23-24, 26, 28, Nov. 7-9, 17-18, 24-25, 1996, and Apr. 6, 11, 1997. Record is good except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--UTEFTGCO17 USED FROM 01-OCT-1996 TO 30-SEP-1997

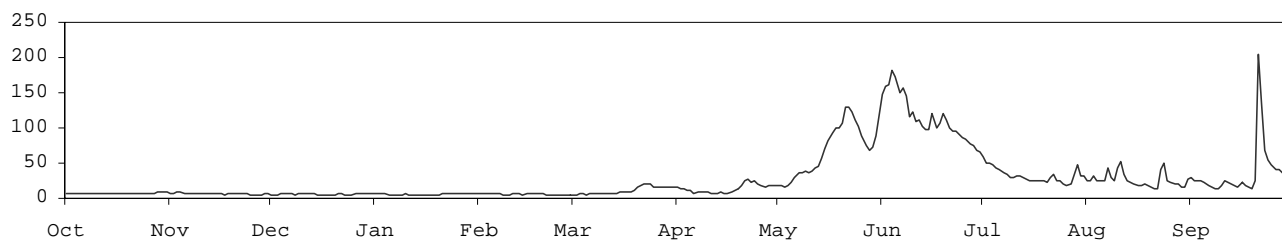
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	7.9	5.6	6.2	7.0	5.0	15	19	147	59	26	29
2	7.3	7.5	5.6	6.2	6.6	5.4	14	18	160	50	25	24
3	7.2	8.0	5.4	7.0	6.6	6.0	13	17	161	49	32	24
4	7.3	8.0	5.8	6.4	5.8	5.8	12	19	181	48	26	26
5	7.3	7.6	6.0	5.6	6.2	5.6	11	23	172	44	26	22
6	7.2	7.5	6.2	4.4	6.2	6.0	6.8	30	150	41	26	19
7	6.8	5.7	5.8	4.0	6.0	6.6	9.6	36	157	37	43	17
8	6.7	6.8	5.6	4.4	5.6	6.6	10	37	146	33	30	14
9	6.6	7.3	6.0	5.0	5.0	7.2	9.6	39	116	29	26	14
10	6.4	7.3	7.2	5.8	5.6	7.2	9.0	37	122	30	43	19
11	6.3	7.1	7.2	4.6	6.2	7.2	6.5	38	110	31	52	24
12	6.3	7.1	7.2	4.4	5.8	7.8	7.0	44	111	31	33	23
13	6.6	7.3	6.6	5.6	6.0	7.6	7.5	45	102	29	26	20
14	6.7	7.1	6.2	5.2	5.6	7.2	8.0	56	98	27	23	19
15	6.6	7.0	5.2	4.0	6.4	8.6	6.6	70	97	26	21	17
16	6.5	6.1	5.6	4.0	6.2	9.2	7.3	82	120	25	19	23
17	6.4	4.1	4.4	3.6	7.0	9.2	8.5	94	101	25	18	19
18	6.0	6.6	4.2	4.8	7.4	8.8	11	99	106	24	21	16
19	6.6	7.9	4.8	5.2	7.0	11	14	101	121	25	18	14
20	7.1	7.6	5.0	5.2	6.6	15	19	106	112	23	15	26
21	6.1	7.4	6.2	6.2	5.2	18	24	129	101	30	14	204
22	5.9	7.4	6.2	5.8	4.6	20	27	129	95	35	13	134
23	7.0	7.5	5.6	6.2	5.0	21	22	122	96	26	40	69
24	7.0	5.7	5.6	6.2	4.8	20	25	111	92	24	51	55
25	7.0	5.2	5.6	6.2	5.0	17	20	102	87	21	26	47
26	6.5	5.5	6.6	6.8	5.2	16	19	89	83	19	22	42
27	7.6	5.2	6.8	6.4	5.6	17	17	74	78	21	20	41
28	10	5.0	6.6	6.0	5.6	17	19	68	75	34	20	37
29	9.1	6.4	6.2	5.8	---	17	19	72	68	47	17	31
30	9.2	6.0	6.0	5.8	---	15	19	88	65	31	15	29
31	8.6	---	7.0	6.8	---	16	---	119	---	31	28	---
TOTAL	219.5	202.8	184.0	169.8	165.8	347.0	416.4	2113	3430	1005	815	1098
MEAN	7.08	6.76	5.94	5.48	5.92	11.2	13.9	68.2	114	32.4	26.3	36.6
AC-FT	435	402	365	337	329	688	826	4190	6800	1990	1620	2180
MAX	10	8.0	7.2	7.0	7.4	21	27	129	181	59	52	204
MIN	5.9	4.1	4.2	3.6	4.6	5.0	6.5	17	65	19	13	14

CAL YR 1996 TOTAL 4072.8 MEAN 11.1 MAX 52 MIN 3.0 AC-FT 8080
WTR YR 1997 TOTAL 10166.3 MEAN 27.9 MAX 204 MIN 3.6 AC-FT 20160

MAX DISCH 305 CFS AT 1700 21-SEP-1997 GH 3.59 FT. SHIFT -0.07 FT. MAX GH 3.59 FT. AT 1700 21-SEP-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO

LOCATION.--Lat 37°23'10", long 105°33'02", in sec. 4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.6 mi downstream from Smith Reservoir, and 4.0 mi southwest of Blanca, Co.

DRAINAGE AREA.--396 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

REMARKS.--Record is complete and reliable except for the following periods: Jan. 18-23, 1997 when the recorder clock stopped and the shaft encoder had been removed for the winter. Stage discharge relation affected by ice Oct. 30, 1996, and Mar. 10, 21, 1997. Record is good except for periods of no gage height and ice affected record which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TRISMIC011 USED FROM 01-OCT-1996 TO 30-SEP-1997

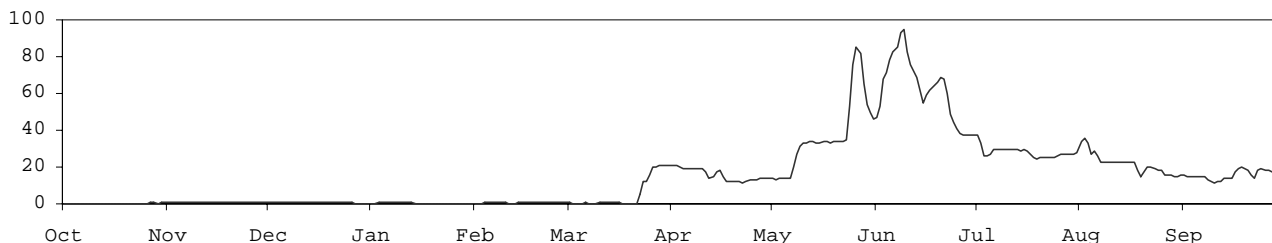
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.42	0.50	0.55	0.40	0.40	0.44	21	14	47	37	34	16
2	0.32	0.48	0.57	0.40	0.40	0.42	21	13	53	33	36	15
3	0.27	0.52	0.55	0.47	0.40	0.41	20	14	68	26	33	15
4	0.32	0.54	0.54	0.47	0.47	0.41	19	14	71	26	27	15
5	0.31	0.49	0.56	0.47	0.47	0.40	19	14	78	27	29	15
6	0.32	0.47	0.62	0.54	0.47	0.46	19	14	83	30	26	15
7	0.32	0.47	0.59	0.54	0.47	0.38	19	20	85	30	23	15
8	0.27	0.47	0.57	0.54	0.47	0.43	19	27	93	30	23	13
9	0.33	0.46	0.54	0.54	0.47	0.39	19	31	95	30	23	12
10	0.29	0.45	0.54	0.47	0.47	0.62	19	33	83	30	23	11
11	0.30	0.45	0.58	0.47	0.40	0.80	17	33	76	30	23	12
12	0.30	0.45	0.56	0.47	0.40	0.78	14	34	72	30	23	12
13	0.29	0.46	0.54	0.47	0.40	0.68	15	34	69	30	23	14
14	0.38	0.46	0.54	0.40	0.48	0.62	17	33	62	29	23	14
15	0.40	0.47	0.54	0.40	0.47	0.57	18	33	55	30	23	14
16	0.39	0.47	0.54	0.40	0.46	0.48	15	34	59	29	23	17
17	0.40	0.48	0.52	0.40	0.47	0.39	12	34	62	27	23	19
18	0.39	0.47	0.49	0.40	0.47	0.34	12	33	64	25	18	20
19	0.38	0.47	0.53	0.40	0.46	0.36	12	34	66	24	15	19
20	0.41	0.46	0.53	0.40	0.47	0.32	12	34	69	25	17	18
21	0.36	0.50	0.52	0.40	0.47	0.33	12	34	68	25	20	16
22	0.37	0.49	0.53	0.40	0.47	5.1	11	34	60	25	20	14
23	0.34	0.59	0.53	0.40	0.47	12	12	35	49	25	19	18
24	0.31	0.59	0.53	0.33	0.46	12	13	53	44	25	18	19
25	0.28	0.54	0.54	0.33	0.47	16	13	76	41	26	18	18
26	0.34	0.58	0.54	0.33	0.46	20	13	85	38	27	16	18
27	0.53	0.60	0.40	0.33	0.45	20	14	82	37	27	16	17
28	0.46	0.56	0.40	0.33	0.46	21	14	65	37	27	16	17
29	0.42	0.61	0.40	0.33	---	21	14	54	37	27	15	16
30	0.47	0.63	0.40	0.40	---	21	14	50	37	27	15	16
31	0.57	---	0.40	0.40	---	21	---	46	---	28	16	---
TOTAL	11.24	15.18	16.21	13.03	12.68	179.12	469	1144	1858	867	677	470
MEAN	0.36	0.51	0.52	0.42	0.45	5.78	15.6	36.9	61.9	28.0	21.8	15.7
AC-FT	22	30	32	26	25	355	930	2270	3690	1720	1340	932
MAX	0.57	0.63	0.62	0.54	0.48	21	21	85	95	37	36	20
MIN	0.27	0.45	0.40	0.33	0.40	0.32	11	13	37	24	15	11

CAL YR 1996 TOTAL 4403.36 MEAN 12.0 MAX 31 MIN 0.25 AC-FT 8730
WTR YR 1997 TOTAL 5732.46 MEAN 15.7 MAX 95 MIN 0.27 AC-FT 11370

MAX DISCH 98 CFS AT 0345 09-JUN-1997 GH 4.05 FT. SHIFT 0.02 FT. MAX GH 4.05 FT. AT 0345 09-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08245000 CONEJOS RIVER BELOW PLATORO RESERVOIR, CO

LOCATION.--Lat 37°21'18", long 106°32'37", Conejos County, Hydrologic Unit 13010005, on left bank 1,100 ft downstream from valve house for Platoro Reservoir and 0.7 mi northwest of Platoro.

DRAINAGE AREA AND PERIOD OF RECORD.--40 mi². May 1952 to current year.

GAGE.--Water-stage recorder with satellite telemetry on concrete control. Datum of gage is 9,866.60 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for Oct. 31, 1996-Apr. 9, 1997 when the station was closed for the winter. Record is good except for periods of no gage-height record which are fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CONPLACO12 USED FROM 01-OCT-1996 TO 30-SEP-1997

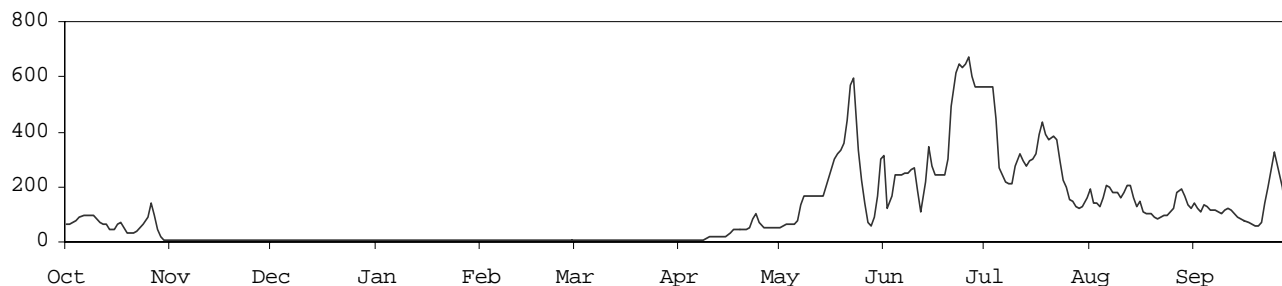
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	7.0	7.0	7.1	7.3	7.6	7.9	52	312	563	189	141
2	66	7.0	7.0	7.1	7.3	7.6	7.9	56	120	562	144	122
3	69	7.0	7.0	7.1	7.4	7.6	7.9	61	164	562	139	110
4	78	7.0	7.0	7.1	7.4	7.6	7.9	63	243	445	130	134
5	92	7.0	7.0	7.1	7.4	7.6	7.9	64	245	271	157	131
6	95	7.0	7.0	7.1	7.4	7.6	7.9	77	245	246	206	118
7	96	7.0	7.0	7.1	7.4	7.6	7.9	136	247	218	197	118
8	96	7.0	7.0	7.1	7.4	7.7	7.9	168	248	214	179	106
9	96	7.0	7.0	7.1	7.4	7.7	15	167	260	212	178	100
10	81	7.0	7.0	7.1	7.4	7.7	21	167	268	277	158	115
11	70	7.0	7.0	7.1	7.4	7.7	21	167	184	321	182	123
12	64	7.0	7.0	7.2	7.4	7.7	21	167	112	293	204	114
13	62	7.0	7.0	7.2	7.4	7.7	21	167	219	273	203	104
14	46	7.0	7.0	7.2	7.5	7.7	18	167	347	295	160	90
15	44	7.0	7.0	7.2	7.5	7.7	21	224	278	303	131	82
16	61	7.0	7.0	7.2	7.5	7.7	35	262	242	320	148	74
17	68	7.0	7.0	7.2	7.5	7.7	45	299	242	392	112	68
18	51	7.0	7.0	7.2	7.5	7.7	45	318	243	436	102	67
19	31	7.0	7.0	7.2	7.5	7.8	44	333	244	390	105	60
20	32	7.0	7.0	7.2	7.5	7.8	45	356	304	373	92	55
21	35	7.0	7.0	7.2	7.5	7.8	46	439	492	382	83	72
22	38	7.0	7.0	7.2	7.5	7.8	49	572	613	369	92	141
23	50	7.0	7.0	7.3	7.5	7.8	84	597	644	296	94	197
24	63	7.0	7.0	7.3	7.5	7.8	100	334	633	226	94	262
25	92	7.0	7.0	7.3	7.6	7.8	69	225	646	200	110	329
26	140	7.0	7.0	7.3	7.6	7.8	51	141	670	154	124	251
27	98	7.0	7.0	7.3	7.6	7.8	53	68	603	150	182	200
28	48	7.0	7.0	7.3	7.6	7.8	54	59	564	129	194	101
29	18	7.0	7.0	7.3	---	7.8	53	89	561	123	169	47
30	8.1	7.0	7.0	7.3	---	7.9	53	166	562	130	135	50
31	8.0	---	7.0	7.3	---	7.9	---	302	---	159	122	---
TOTAL	1962.1	210.0	217.0	223.0	208.9	239.5	1027.2	6463	10755	9284	4515	3682
MEAN	63.3	7.00	7.00	7.19	7.46	7.73	34.2	208	359	299	146	123
AC-FT	3890	417	430	442	414	475	2040	12820	21330	18410	8960	7300
MAX	140	7.0	7.0	7.3	7.6	7.9	100	597	670	563	206	329
MIN	8.0	7.0	7.0	7.1	7.3	7.6	7.9	52	112	123	83	47

CAL YR 1996 TOTAL 34220.1 MEAN 93.5 MAX 526 MIN 7.0 AC-FT 67880
WTR YR 1997 TOTAL 38786.7 MEAN 106 MAX 670 MIN 7.0 AC-FT 76930

MAX DISCH 684 CFS AT 0745 26-JUN-1997 GH 3.21 FT. SHIFT -0.04 FT. MAX GH 3.21 FT. AT 0745 26-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08246500 CONEJOS RIVER NEAR MOGOTE, CO

LOCATION.--Lat 37°03'14", long 106°11'13", in SE¼SE¼ sec. 34, T.33 N., R.7 E., Conejos County, Hydrologic Unit 13010005, on left bank 75 ft downstream from bridge on State Highway 174, 0.4 mi downstream from Fox Creek, 5.3 mi west of Mogote, and 10 mi west of Antonito.

DRAINAGE AREA.--282 mi².

GAGE.--Water-stage recorder with satellite telemetry in a 5 ft. metal shelter and well. Datum of gage is 8,271.54 ft, Colorado State Highway datum.

REMARKS.--Record is complete and reliable except for Jan. 2, 1997 when the clock stopped and there was missing satellite data. Stage-discharge relation was affected by ice Dec. 2-31, 1996; Jan. 1, 3-Mar. 14, 1997. Record is good except for the periods of ice affected and no gage height record which is poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CONMOGCO12 USED FROM 01-OCT-1996 TO 30-SEP-1997

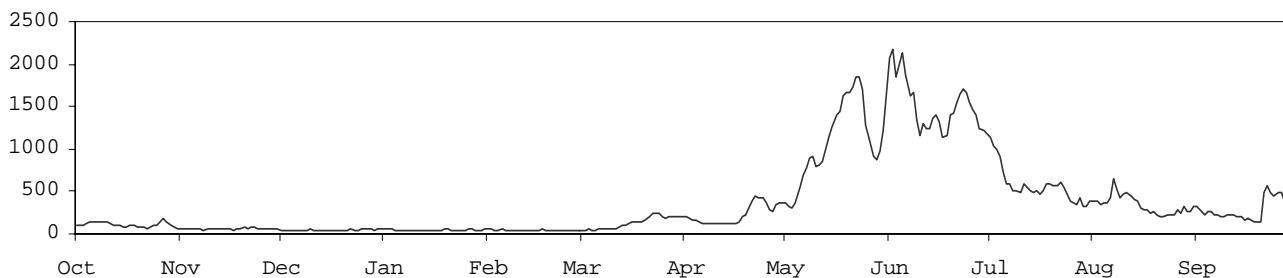
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	65	38	52	56	46	206	373	2070	1140	382	321
2	108	58	37	52	54	50	185	323	2180	1040	389	288
3	109	65	36	54	50	52	168	311	1840	994	350	227
4	127	60	39	50	50	50	168	373	2000	916	369	262
5	142	61	39	50	52	50	150	540	2130	737	361	269
6	145	61	41	42	48	54	128	685	1860	585	422	230
7	144	52	39	40	45	60	129	765	1620	581	643	217
8	139	50	42	40	46	62	128	887	1660	498	525	209
9	136	57	46	42	47	64	127	908	1340	500	433	196
10	135	58	52	44	47	66	124	796	1160	489	464	217
11	118	58	47	44	48	70	126	810	1310	589	495	232
12	111	58	46	46	49	86	115	847	1250	546	449	222
13	104	62	46	46	50	100	121	1000	1250	509	411	194
14	99	62	45	44	47	110	113	1140	1360	481	389	196
15	88	61	44	42	48	130	115	1260	1410	500	312	169
16	85	55	44	41	50	134	127	1400	1330	476	285	186
17	102	44	38	43	52	143	151	1450	1130	510	283	160
18	102	62	36	49	49	136	195	1630	1160	595	249	149
19	91	67	40	52	50	141	232	1670	1400	599	258	144
20	86	73	44	52	49	172	313	1660	1430	560	232	151
21	76	71	48	50	48	213	392	1730	1540	575	207	495
22	68	77	52	46	46	236	438	1850	1640	600	208	565
23	87	79	50	49	48	243	421	1850	1710	548	218	486
24	92	66	50	46	50	243	418	1700	1660	462	221	447
25	103	55	52	48	48	209	363	1290	1550	393	216	487
26	136	59	54	52	49	188	281	1140	1470	365	279	481
27	187	66	56	52	50	195	265	923	1400	347	252	374
28	133	51	54	49	49	200	336	871	1240	418	323	340
29	107	66	50	50	---	210	358	972	1210	334	269	213
30	77	60	52	50	---	202	365	1210	1180	330	263	165
31	70	---	54	55	---	205	---	1650	---	392	330	---
TOTAL	3417	1839	1411	1472	1375	4120	6758	34014	45490	17609	10487	8292
MEAN	110	61.3	45.5	47.5	49.1	133	225	1097	1516	568	338	276
AC-FT	6780	3650	2800	2920	2730	8170	13400	67470	90230	34930	20800	16450
MAX	187	79	56	55	56	243	438	1850	2180	1140	643	565
MIN	68	44	36	40	45	46	113	311	1130	330	207	144

CAL YR 1996 TOTAL 85749 MEAN 234 MAX 1500 MIN 36 AC-FT 170100
WTR YR 1997 TOTAL 136284 MEAN 373 MAX 2180 MIN 36 AC-FT 270300

MAX DISCH 2470 CFS AT 0645 02-JUN-1997 GH 6.03 FT. SHIFT -0.36 FT. MAX GH 6.03 FT. AT 0645 02-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08247500 SAN ANTONIO RIVER AT ORTIZ, CO

LOCATION.--Lat 36°59'35", long 106°02'17", in NE¼SE¼ sec. 24, T.32 N., R.8 E., Rio Arriba County, New Mexico, Hydrologic Unit 13010005, on left bank 800 ft south of Colorado-New Mexico State line, 0.4 mi southeast of Ortiz, and 0.4 mi upstream from Los Pinos River.

DRAINAGE AREA AND PERIOD OF RECORD.--110 mi². April 1919 to Oct. 1920, Oct. 1924 to current year(no winter record prior to 1941). Monthly data only for some periods.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,970 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for the periods Dec. 3-15, 1996 when the well was frozen; Dec. 16, 1996-Mar. 14, 1997 when the station was closed for the winter. The stage-discharge relation was affected by ice Nov. 7-8, 25, 28-30; Dec. 1-2, 1996; Mar. 15; Apr. 6, 1997. There was no flow Jul. 16-20, 1997. Record is good except for periods of no gage height and ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

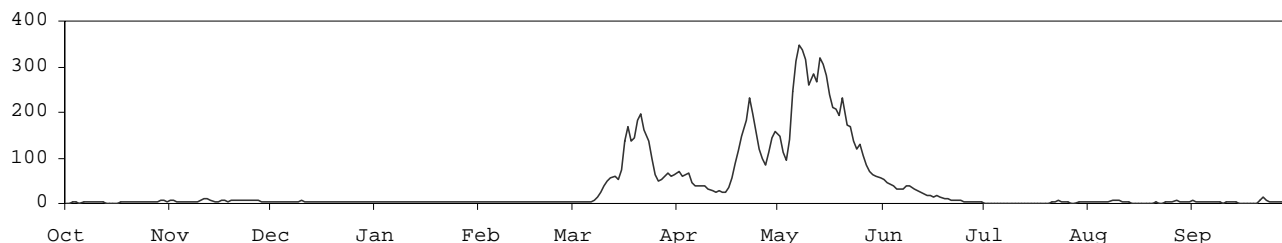
RATING TABLE.--SANORTCO13 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	7.2	4.2	4.2	4.3	3.9	71	147	52	1.7	2.3	5.3
2	1.5	7.3	4.0	4.2	4.0	4.3	59	112	47	1.5	1.8	3.6
3	1.8	4.9	3.8	4.3	3.7	4.7	62	96	42	1.0	1.9	2.6
4	1.8	4.7	4.0	3.9	3.6	4.5	66	139	37	0.69	1.9	2.2
5	1.6	4.5	4.2	3.9	3.8	4.3	47	244	33	0.47	1.9	2.4
6	1.9	4.3	4.4	3.0	3.5	4.7	38	312	30	0.44	2.3	2.4
7	2.8	4.4	4.2	2.6	3.2	8.6	37	348	31	0.11	2.6	2.4
8	2.6	3.8	4.6	2.6	2.9	14	38	338	37	0.26	6.0	2.0
9	2.2	4.6	5.0	2.9	2.8	26	37	317	39	0.15	8.4	1.8
10	2.0	6.7	6.0	3.2	3.2	40	33	258	32	0.44	5.9	1.6
11	2.0	9.0	5.0	3.4	3.4	50	29	285	29	0.88	4.2	1.9
12	1.8	8.9	4.6	3.8	3.5	56	24	266	23	0.78	3.6	1.9
13	1.5	5.6	4.6	3.6	3.5	58	27	321	20	0.61	2.3	1.8
14	1.6	4.6	4.2	3.3	3.3	54	26	306	18	0.35	1.7	1.8
15	1.6	4.8	3.8	2.8	3.4	74	25	281	16	0.11	1.1	1.2
16	1.7	8.6	3.4	2.7	3.5	137	34	239	15	0.0	0.76	1.3
17	1.8	7.6	2.4	2.8	3.7	168	56	212	16	0.0	0.54	1.0
18	1.9	3.5	2.2	3.3	3.6	138	86	208	13	0.0	0.40	1.7
19	2.0	5.4	2.6	3.9	3.7	144	117	194	11	0.0	0.41	1.5
20	2.0	7.5	3.0	3.7	3.8	181	148	231	9.0	0.0	1.5	1.5
21	2.9	8.1	3.4	3.8	3.5	198	183	171	7.4	1.9	2.0	6.0
22	2.8	7.8	3.6	3.4	3.2	163	230	168	6.3	4.2	1.5	13
23	2.1	8.1	3.2	4.0	3.4	137	195	138	5.7	5.7	1.2	6.5
24	3.1	7.4	2.8	3.4	3.7	100	159	119	5.6	3.4	2.4	4.1
25	3.1	6.3	3.0	3.3	3.6	64	120	131	4.4	3.2	1.8	3.0
26	4.2	6.2	3.6	4.2	3.8	49	99	106	3.9	1.8	4.0	2.5
27	2.7	5.8	4.2	3.8	4.0	52	85	83	3.8	1.3	6.1	2.4
28	3.9	5.0	4.0	3.5	4.0	60	111	71	3.6	1.5	3.3	2.1
29	6.9	4.8	3.8	3.6	---	68	144	64	3.1	2.1	2.0	2.1
30	5.6	5.0	4.0	3.5	---	60	159	59	2.1	2.4	2.1	2.1
31	4.6	---	4.4	3.9	---	62	---	57	---	2.4	4.5	---
TOTAL	79.3	182.4	120.2	108.5	99.6	2188.0	2545	6021	595.9	39.39	82.41	85.7
MEAN	2.56	6.08	3.88	3.50	3.56	70.6	84.8	194	19.9	1.27	2.66	2.86
AC-FT	157	362	238	215	198	4340	5050	11940	1180	78	163	170
MAX	6.9	9.0	6.0	4.3	4.3	198	230	348	52	5.7	8.4	13
MIN	1.3	3.5	2.2	2.6	2.8	3.9	24	57	2.1	0.0	0.40	1.0
CAL YR 1996 TOTAL		3169.32	MEAN	8.66	MAX	108	MIN	0.00	AC-FT	6290		
WTR YR 1997 TOTAL		12147.40	MEAN	33.3	MAX	348	MIN	0.00	AC-FT	24090		

MAX DISCH 442 CFS AT 0345 07-MAY-1997 GH 3.82 FT. SHIFT -0.07 FT. MAX GH 3.82 FT. AT 0345 07-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08248000 LOS PINOS RIVER NEAR ORTIZ, CO

Location.--Lat 36°58'56", long 106°04'23", on line between secs. 26 and 27, T.32 N., R.8 E., Rio Arriba County, New Mexico, Hydrologic Unit 13010005, on left bank 0.9 mi south of Colorado-New Mexico State line, 2.1 mi southwest of Ortiz, and 2.9 mi upstream from mouth.

DRAINAGE AREA.--167 mi².

GAGE.--Water-stage recorder with satellite telemetry in a metal pipe shelter and well with supplemental outside chain gage. Elevation of gage is 8,040 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for Dec. 2, 1996-Mar. 14, 1997 when the station was closed for the winter. Stage-discharge relation affected by ice Nov. 17-18, 25-30, Dec. 1, 1996; Apr. 6, 1997. Record is good except for periods of no gage height record and ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--LOSORTCO12 USED FROM 01-OCT-1996 TO 30-SEP-1997

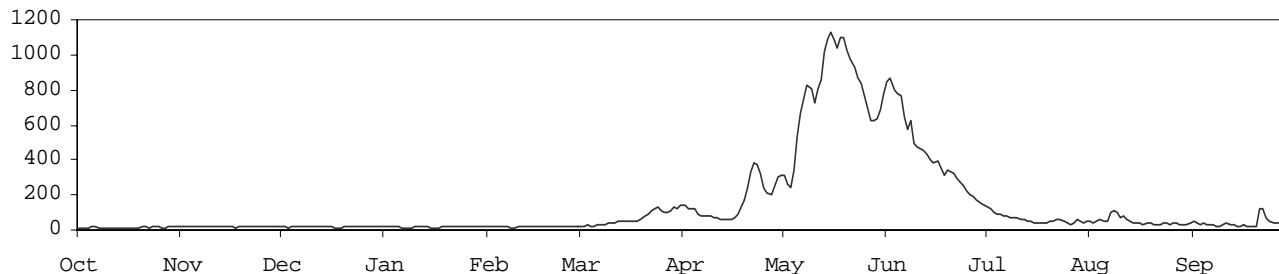
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	23	16	18	21	20	140	315	845	132	47	50
2	13	21	16	17	19	23	124	261	871	116	44	39
3	13	21	15	19	17	26	120	246	798	103	55	33
4	15	20	17	17	17	25	124	347	779	95	56	36
5	18	19	17	17	19	24	90	531	764	89	49	30
6	16	19	20	15	17	26	84	667	648	83	50	28
7	15	18	18	14	16	29	85	749	574	78	98	26
8	14	21	20	14	15	32	80	824	621	73	115	25
9	13	22	22	15	15	36	80	804	493	69	102	25
10	14	20	23	16	17	42	72	731	471	68	69	28
11	14	20	21	16	17	45	68	803	459	64	83	36
12	13	19	19	17	18	47	62	859	455	59	59	29
13	13	19	19	17	18	48	64	1020	435	53	50	26
14	13	19	18	16	17	46	60	1090	402	49	44	25
15	13	18	17	15	18	52	58	1130	383	45	41	23
16	12	16	17	15	20	51	69	1090	397	43	37	26
17	14	14	14	15	22	55	92	1040	349	42	34	24
18	14	20	13	16	21	55	134	1100	317	40	38	22
19	13	24	14	17	22	60	176	1100	340	43	44	21
20	16	23	16	17	21	76	243	1030	333	49	35	24
21	17	23	18	17	18	93	329	979	318	47	31	120
22	15	24	20	16	16	109	386	928	291	57	30	122
23	17	24	18	18	18	123	373	872	271	56	41	70
24	17	21	17	16	19	128	318	838	251	48	38	53
25	18	19	19	16	18	110	244	767	224	39	33	45
26	14	19	21	19	19	99	208	699	199	35	39	41
27	14	18	22	18	20	103	203	628	189	36	36	38
28	19	17	21	17	20	113	257	628	168	56	29	35
29	20	18	20	18	---	127	307	636	154	55	26	32
30	16	18	19	18	---	124	315	688	143	45	28	30
31	23	---	20	19	---	137	---	773	---	49	40	---
TOTAL	471	597	567	515	515	2084	4965	24173	12942	1916	1521	1162
MEAN	15.2	19.9	18.3	16.6	18.4	67.2	166	780	431	61.8	49.1	38.7
AC-FT	934	1180	1120	1020	1020	4130	9850	47950	25670	3800	3020	2300
MAX	23	24	23	19	22	137	386	1130	871	132	115	122
MIN	12	14	13	14	15	20	58	246	143	35	26	21

CAL YR 1996 TOTAL 22597 MEAN 61.7 MAX 589 MIN 12 AC-FT 44820
WTR YR 1997 TOTAL 51428 MEAN 141 MAX 1130 MIN 12 AC-FT 102000

MAX DISCH 1342 CFS AT 2400 14-MAY-1997 GH 5.78 FT. SHIFT -0.42 FT. MAX GH 5.78 FT. AT 2400 14-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO

LOCATION.--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

DRAINAGE AREA.--348 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 7,650 ft. from topographic map.

REMARKS.--Record is complete and reliable except for Dec. 1-9, 12-19, 1996, when well was frozen; Dec. 20, 1996-Mar. 12, 1997 when station was closed; Stage-discharge relation affected by ice Nov. 28-30, Dec. 10, 11, 1996. Stage-discharge relation affected by backwater from beaver dams July 22-25, Sep. 2-9, 12-30, 1997. Record is good except for periods of no gage-height and ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

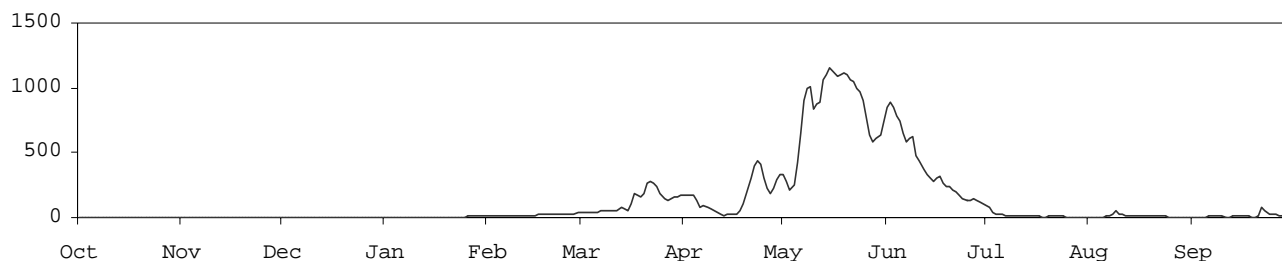
RATING TABLE.--SANMANCO18 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	3.8	5.6	11	35	179	327	847	88	4.9	0.0
2	0.0	0.0	4.1	5.6	11	42	177	280	894	75	4.3	0.50
3	0.0	0.0	3.8	6.2	11	42	166	219	846	44	4.2	2.5
4	0.0	0.0	3.8	5.8	10	42	175	253	784	31	4.1	2.2
5	0.0	0.0	3.8	6.0	15	42	137	422	749	26	6.6	6.0
6	0.0	0.0	4.3	5.2	15	45	75	647	647	22	9.2	10
7	0.0	0.0	4.1	4.4	14	47	92	903	580	19	8.3	9.0
8	0.0	0.0	4.2	4.5	13	52	76	1000	611	16	32	8.0
9	0.0	0.0	4.2	5.2	13	50	65	1010	623	14	51	7.8
10	0.0	0.0	6.0	5.8	13	50	51	838	475	11	30	7.4
11	0.0	0.0	5.6	5.2	15	58	43	871	433	10	24	5.8
12	0.0	0.0	5.2	5.8	15	58	33	896	378	9.4	19	6.0
13	0.0	0.0	5.0	5.8	18	77	17	1060	335	8.2	12	8.0
14	0.0	0.0	5.2	5.8	18	63	24	1100	303	7.3	9.9	9.0
15	0.0	0.0	5.0	5.2	19	54	26	1160	284	7.8	8.7	9.0
16	0.0	0.0	5.0	4.8	22	101	20	1130	299	8.0	7.9	9.0
17	0.0	0.0	4.6	4.8	25	180	22	1090	314	6.7	7.2	8.0
18	0.0	0.0	4.3	5.0	25	179	53	1100	260	5.4	6.9	7.0
19	0.0	0.0	4.5	5.4	27	164	104	1110	238	5.7	6.7	4.0
20	0.0	0.0	4.5	5.6	26	192	190	1100	237	6.7	7.2	4.0
21	0.0	0.0	5.6	6.2	25	259	301	1060	219	7.2	9.4	15
22	0.0	0.0	5.6	6.0	25	274	398	1050	196	7.0	11	80
23	0.0	0.0	5.0	6.2	25	262	434	999	172	7.0	13	50
24	0.0	4.5	4.6	6.2	23	239	412	965	149	6.9	9.8	32
25	0.0	6.5	4.8	6.2	24	184	302	901	130	5.9	5.3	25
26	0.0	6.2	4.8	8.0	30	140	232	776	127	5.2	2.2	20
27	0.0	3.6	6.2	7.6	32	132	186	638	147	5.0	0.31	17
28	0.0	3.5	6.0	8.2	35	142	221	583	139	5.1	0.0	17
29	0.0	3.7	5.6	7.8	---	165	290	613	123	5.6	0.0	19
30	0.0	4.0	5.6	7.6	---	161	334	639	107	5.7	0.0	20
31	0.0	---	6.0	9.0	---	176	---	746	---	5.4	0.0	---
TOTAL	0.0	32.0	150.8	186.7	555	3707	4835	25486	11646	487.2	315.11	418.20
MEAN	0.0	1.07	4.86	6.02	19.8	120	161	822	388	15.7	10.2	13.9
AC-FT	0.0	63	299	370	1100	7350	9590	50550	23100	966	625	830
MAX	0.0	6.5	6.2	9.0	35	274	434	1160	894	88	51	80
MIN	0.0	0.0	3.8	4.4	10	35	17	219	107	5.0	0.0	0.0
CAL YR 1996 TOTAL		8903.20	MEAN	24.3	MAX	366	MIN	0.00	AC-FT	17660		
WTR YR 1997 TOTAL		47819.01	MEAN	131	MAX	1160	MIN	0.00	AC-FT	94850		

MAX DISCH 1255 CFS AT 1400 15-MAY-1997 GH 6.50 FT. SHIFT -0.15 FT. MAX GH 6.50 FT. AT 1400 15-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, MAIN (NORTH) CHANNEL, CO

LOCATION.--Lat 37°18'01", long 105°44'47", in SW¼SW¼ sec. 2, T. 35 N., R. 11 E., Conejos County, on left bank of main channel 125 ft downstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.1 mi north of LaSauses, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--887 mi². Water stage recorder since March 29, 1921 at five sites close to present location.

GAGE.--Water-stage recorder with satellite telemetry in timber shelter and well with outside chain gage. Datum of gage is 7,495.02 ft above mean sea level (levels by Bureau of Reclamation). At present site and datum since Oct. 1, 1937.

REMARKS.--Record is complete and reliable except for Mar. 3-17; Jul. 9-10, 1997 when the inlets were plugged. Stage-discharge relation affected by ice Dec. 4-5, 17-21, 23-25, 1996; Jan. 6-19, 1997. There was no flow Oct. 1-19, 1996. Record good except for periods of no gage height and ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NORLASCO13 USED FROM 01-OCT-1996 TO 30-SEP-1997

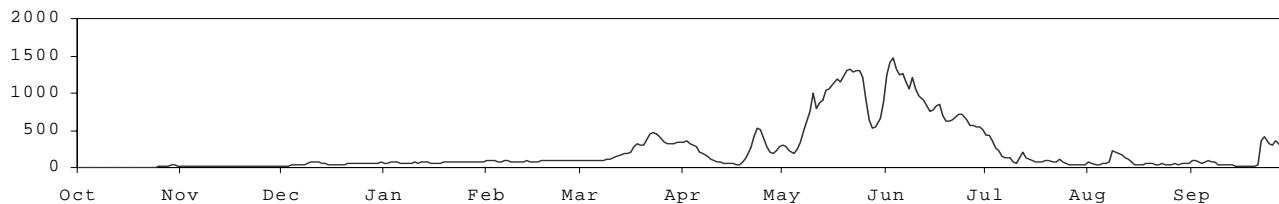
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	27	26	66	85	92	346	295	1240	427	69	103
2	0.0	24	26	66	88	88	356	289	1410	433	56	94
3	0.0	24	27	79	88	86	323	221	1480	350	44	77
4	0.0	21	30	74	83	92	300	196	1320	272	36	59
5	0.0	21	32	75	83	92	274	250	1250	220	54	69
6	0.0	23	37	62	88	92	204	331	1270	152	52	87
7	0.0	22	38	50	86	97	180	496	1160	140	77	77
8	0.0	21	41	52	76	101	153	630	1060	141	220	79
9	0.0	21	49	62	75	105	112	762	1210	81	202	46
10	0.0	22	69	70	75	110	94	995	1050	53	189	34
11	0.0	22	72	66	77	127	76	786	970	135	173	31
12	0.0	22	67	72	79	160	69	872	897	213	139	40
13	0.0	22	61	74	88	179	57	908	821	125	117	41
14	0.0	23	54	74	76	190	51	1040	758	111	73	28
15	0.0	22	40	62	79	189	55	1050	773	98	42	17
16	0.0	23	38	58	80	210	49	1120	830	82	40	17
17	0.0	22	36	58	89	278	39	1190	849	73	37	16
18	0.0	23	34	62	91	312	39	1160	704	77	64	21
19	0.0	23	38	76	98	296	80	1220	630	98	58	22
20	0.43	24	44	77	100	307	132	1310	631	97	54	23
21	2.4	24	50	71	98	386	261	1330	649	77	45	33
22	1.0	24	56	67	88	449	408	1290	676	82	42	362
23	2.5	25	57	69	98	466	532	1310	709	117	51	417
24	6.8	26	55	67	97	454	507	1300	717	76	44	319
25	9.5	27	57	70	98	413	387	1200	634	50	38	309
26	12	27	57	74	93	344	289	901	561	38	38	365
27	16	27	62	76	94	320	210	642	558	34	57	319
28	18	27	63	77	99	329	185	534	541	34	45	244
29	36	27	63	79	---	330	232	548	547	47	63	201
30	36	26	65	78	---	344	277	656	503	40	54	157
31	26	---	72	80	---	335	---	891	---	45	60	---
TOTAL	166.63	712	1516	2143	2449	7373	6277	25723	26408	4018	2333	3707
MEAN	5.38	23.7	48.9	69.1	87.5	238	209	830	880	130	75.3	124
AC-FT	331	1410	3010	4250	4860	14620	12450	51020	52380	7970	4630	7350
MAX	36	27	72	80	100	466	532	1330	1480	433	220	417
MIN	0.0	21	26	50	75	86	39	196	503	34	36	16

CAL YR 1996 TOTAL 14126.34 MEAN 38.6 MAX 195 MIN 0.00 AC-FT 28020
WTR YR 1997 TOTAL 82825.63 MEAN 227 MAX 1480 MIN 0.00 AC-FT 164300

MAX DISCH 1538 CFS AT 1000 03-JUN-1997 GH 6.31 FT. SHIFT -0.06 FT. MAX GH 6.31 FT. AT 1000 03-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, SECONDARY (SOUTH) CHANNEL, CO

LOCATION.--Lat 37°18'01", long 105°44'47", in SE¼NE¼ sec. 10, T. 35 N., R. 11 E., Conejos County, on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.0 mi north of LaSauses, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--887 mi². Water stage recorder since March 29, 1921 at various sites close to present location.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,496.89 ft above mean sea level (levels by Bureau of Reclamation). At present site and datum since Oct. 14, 1965.

REMARKS.--Record is complete and reliable except for Dec. 3-5, 7-9, 1996; Mar. 1-2, 1997 when the floats were frozen; Dec. 16, 1996-Feb. 18, 1997 when the station was closed for the winter. Stage-discharge relation affected by ice Nov. 30-Dec. 2, 6, 12-15, 1996; Feb. 21; Mar. 3, 1997. There was no flow Jul. 22, 24-Aug. 6; Aug. 16-Sep. 2; Sep. 12-21, 1997. Record is good except for periods of no gage height and ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SOULASCO06 USED FROM 01-OCT-1996 TO 30-SEP-1997

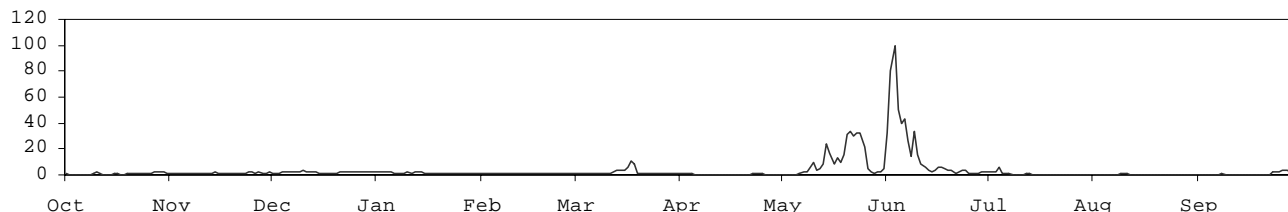
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.77	1.7	1.7	2.3	1.8	1.3	0.84	0.23	32	1.9	0.0	0.0
2	0.55	1.6	1.8	2.3	1.7	1.2	0.88	0.28	80	2.2	0.0	0.0
3	0.50	1.6	1.8	2.5	1.7	1.2	0.82	0.25	100	2.8	0.0	0.14
4	0.48	1.7	1.9	2.3	1.5	1.4	0.73	0.21	50	5.6	0.0	0.12
5	0.50	1.6	2.2	2.4	1.8	1.3	0.58	0.27	40	1.8	0.0	0.01
6	0.46	1.7	2.5	1.5	1.7	1.4	0.42	1.1	43	1.1	0.0	0.17
7	0.52	1.7	2.3	1.1	1.5	1.4	0.33	1.9	27	0.87	0.14	0.60
8	0.44	1.6	2.4	1.2	1.4	1.4	0.31	2.8	15	0.51	0.46	0.63
9	1.0	1.6	2.6	1.7	1.3	1.4	0.28	6.2	34	0.42	0.74	0.58
10	2.4	1.6	3.3	2.0	1.3	1.4	0.24	10	16	0.34	0.83	0.19
11	1.1	1.7	2.6	1.7	1.4	1.7	0.26	3.1	7.9	0.34	0.74	0.0
12	0.31	1.8	2.5	1.9	1.4	3.0	0.25	4.7	5.5	0.98	0.47	0.0
13	0.18	1.8	2.2	2.0	1.5	3.4	0.26	8.5	3.4	0.80	0.31	0.0
14	0.07	1.9	1.9	1.9	1.4	3.3	0.22	24	2.6	0.32	0.25	0.0
15	1.6	1.7	1.7	1.4	1.4	3.1	0.19	17	3.7	0.10	0.02	0.0
16	1.0	1.8	1.7	1.3	1.4	5.5	0.18	8.4	5.9	0.08	0.0	0.0
17	0.08	1.6	1.5	1.3	1.8	11	0.18	13	6.1	0.05	0.0	0.0
18	0.50	1.7	1.3	1.4	1.7	7.9	0.12	9.5	4.8	0.04	0.0	0.0
19	1.2	1.6	1.5	1.5	1.6	1.6	0.12	16	4.0	0.04	0.0	0.0
20	1.4	1.7	1.7	1.5	1.6	1.2	0.19	31	3.4	0.04	0.0	0.0
21	1.6	1.6	2.0	1.6	1.1	1.4	0.32	34	1.7	0.03	0.0	0.0
22	0.81	1.6	2.2	1.5	0.75	1.6	0.77	30	2.5	0.0	0.0	0.42
23	1.3	1.8	2.2	1.6	1.6	1.6	1.5	33	3.2	0.01	0.0	1.9
24	1.6	1.9	1.9	1.6	1.6	1.4	1.1	33	3.5	0.0	0.0	2.1
25	1.8	2.0	2.0	1.6	1.4	1.2	0.74	22	1.6	0.0	0.0	2.4
26	1.6	1.8	2.0	1.8	0.94	1.0	0.55	4.2	1.8	0.0	0.0	3.3
27	1.9	1.9	2.2	1.7	1.2	0.85	0.39	2.0	1.5	0.0	0.0	3.1
28	2.2	1.8	2.3	1.8	1.4	0.70	0.29	1.6	1.8	0.0	0.0	2.8
29	2.6	1.7	2.3	1.7	---	0.70	0.26	2.0	1.9	0.0	0.0	1.9
30	2.9	1.9	2.4	1.6	---	0.70	0.23	2.6	2.7	0.0	0.0	0.69
31	1.7	---	2.6	1.7	---	0.85	---	4.8	---	0.0	0.0	---
TOTAL	35.09	51.7	65.2	53.4	40.89	67.10	13.56	327.64	506.5	20.37	3.95	21.05
MEAN	1.13	1.72	2.10	1.72	1.46	2.16	0.45	10.6	16.9	0.66	0.13	0.70
AC-FT	70	103	129	106	81	133	27	650	1000	40	7.8	42
MAX	2.9	2.0	3.3	2.5	1.8	11	1.5	34	100	5.6	0.83	3.3
MIN	0.07	1.6	1.3	1.1	0.75	0.70	0.12	0.21	1.5	0.0	0.0	0.0

CAL YR 1996 TOTAL 444.47 MEAN 1.21 MAX 8.1 MIN 0.00 AC-FT 882
WTR YR 1997 TOTAL 1206.44 MEAN 3.31 MAX 100 MIN 0.00 AC-FT 2390

MAX DISCH 128 CFS AT 1000 03-JUN-1997 GH 3.20 FT. SHIFT -0.72 FT. MAX GH 3.20 FT. AT 1000 03-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, CO (COMBINED)

LOCATION.--Lat 37°18'01", long 105°44'47", in SW¼SW¼ sec. 2, and SE¼NE¼ sec. 10 (two channels), T.35 N., R.11 E., Conejos County, Hydrologic Unit 13010005, on left bank of main channel 125 ft downstream from bridge on State Highway 158 and on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.1 mi north of Lasausas, and 13 mi southeast of Alamosa.

DRAINAGE AREA.--887 mi².

GAGE.--Two water-stage recorders with satellite telemetry. Datum of gage on main (north) channel is 7,495.02 ft above National Geodetic Vertical Datum of 1929, and on secondary (south) channel is 7,496.89 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation).

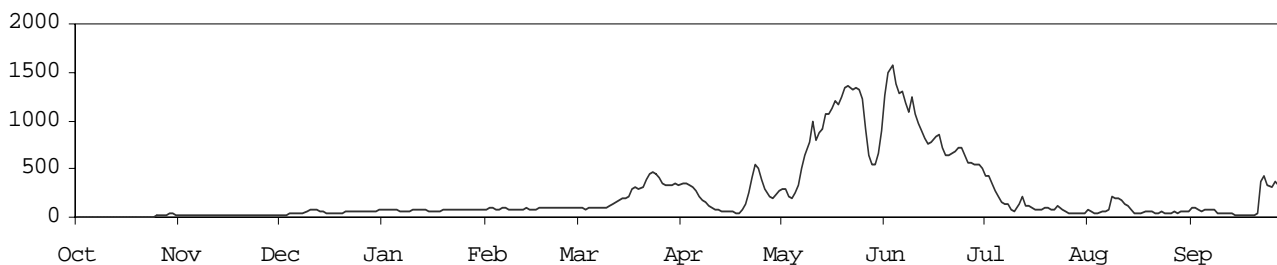
REMARKS.--Records should be good except for periods of no record, ice affected and backwater affected record, which should be fair to poor. Diversions above station for irrigation of about 750,000 acres. Practically entire flow is diverted and records represent mainly return flow. Record developed by Div. III Hydrographic Staff.

COMBINED CONEJOS RIVER (NORLASCO,SOULASCO)

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.77	29	28	68	87	93	347	295	1270	429	69	103
2	0.55	26	28	68	90	89	357	289	1490	435	56	94
3	0.50	26	29	82	90	87	324	221	1580	353	44	77
4	0.48	23	32	76	84	93	301	196	1370	278	36	59
5	0.50	23	34	77	85	93	275	250	1290	222	54	69
6	0.46	25	40	64	90	93	204	332	1310	153	52	87
7	0.52	24	40	51	88	98	180	498	1190	141	77	78
8	0.44	23	43	53	77	102	153	633	1080	142	220	80
9	1.0	23	52	64	76	106	112	768	1240	81	203	47
10	2.4	24	72	72	76	111	94	1000	1070	53	190	34
11	1.1	24	75	68	78	129	76	789	978	135	174	31
12	0.31	24	70	74	80	163	69	877	902	214	139	40
13	0.18	24	63	76	90	182	57	916	824	126	117	41
14	0.07	25	56	76	77	193	51	1060	761	111	73	28
15	1.6	24	42	63	80	192	55	1070	777	98	42	17
16	1.0	25	40	59	81	216	49	1130	836	82	40	17
17	0.08	24	38	59	91	289	39	1200	855	73	37	16
18	0.50	25	35	63	93	320	39	1170	709	77	64	21
19	1.2	25	40	78	100	298	80	1240	634	98	58	22
20	1.8	26	46	78	102	308	132	1340	634	97	54	23
21	4.0	26	52	73	99	387	261	1360	651	77	45	33
22	1.8	26	58	68	89	451	409	1320	678	82	42	362
23	3.8	27	59	71	100	468	534	1340	712	117	51	419
24	8.4	28	57	69	99	455	508	1330	720	76	44	321
25	11	29	59	72	99	414	388	1220	636	50	38	311
26	14	29	59	76	94	345	290	905	563	38	38	368
27	18	29	64	78	95	321	210	644	560	34	57	322
28	20	29	65	79	100	330	185	536	543	34	45	247
29	39	29	65	81	---	331	232	550	549	47	63	203
30	39	28	67	80	---	345	277	659	506	40	54	158
31	28	---	75	82	---	336	---	896	---	45	60	---
TOTAL	202.48	772	1583	2198	2490	7438	6288	26034	26918	4038	2336	3728
MEAN	6.53	25.7	51.1	70.9	88.9	240	210	840	897	130	75.4	124
AC-FT	402	1530	3140	4360	4940	14750	12470	51640	53390	8010	4630	7390
MAX	39	29	75	82	102	468	534	1360	1580	435	220	419
MIN	0.07	23	28	51	76	87	39	196	506	34	36	16
CAL YR 1996 TOTAL	14560.15	MEAN	39.8	MAX	200	MIN	0.00	AC-FT	28880			
WTR YR 1997 TOTAL	84025.48	MEAN	230	MAX	1580	MIN	0.07	AC-FT	166700			

MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO

LOCATION.--Lat 37°11'02", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

DRAINAGE AREA.--220 mi².

GAGE.--Graphic water-stage recorder and concrete control. Steven's Data logger installed Mar. 25, 1994. Altitude of gage is 8,000 ft from topographic map.

REMARKS.--Record is complete and reliable. Stage-discharge relation affected by ice Jan. 7, 9, 17-18, 22, 25; Feb. 22, Mar. 2, 1997. Record is good except for periods of ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--CULSANCO05 USED FROM 01-OCT-1996 TO 30-SEP-1997

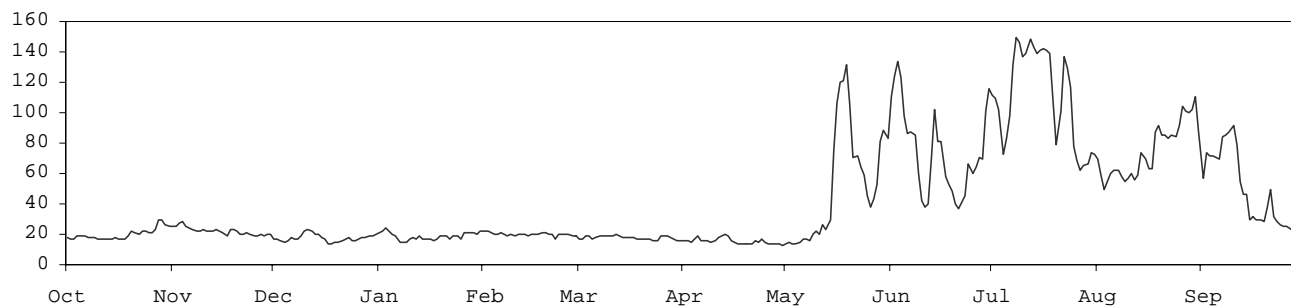
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	25	17	21	22	17	16	14	111	112	69	57
2	17	25	17	22	22	17	16	15	124	110	59	74
3	17	27	16	24	21	19	15	14	134	102	49	72
4	19	28	15	22	20	19	17	14	123	73	55	72
5	19	25	16	20	20	17	19	15	98	83	60	71
6	19	24	18	19	21	18	16	17	86	98	62	70
7	18	23	17	15	20	19	16	17	87	132	62	84
8	18	22	17	15	19	19	16	16	85	150	58	85
9	18	22	19	15	20	19	15	20	60	146	55	87
10	17	23	22	17	19	19	16	22	42	137	57	92
11	17	22	23	18	20	19	18	20	38	139	60	79
12	17	22	22	17	20	20	19	26	40	148	56	55
13	17	22	20	19	20	19	20	23	69	143	59	46
14	17	23	20	17	19	18	19	29	102	139	74	46
15	18	22	18	17	20	18	16	75	81	141	69	30
16	17	21	17	17	20	18	15	106	81	142	63	32
17	17	19	14	16	20	18	14	120	58	141	63	29
18	17	23	14	17	21	17	14	121	53	139	87	30
19	19	23	15	19	21	17	14	132	48	108	92	28
20	22	22	15	19	20	17	14	105	40	79	85	38
21	21	20	16	19	20	17	14	71	37	101	85	49
22	20	20	17	17	17	17	16	72	41	137	83	32
23	22	21	18	19	20	16	15	64	45	129	85	28
24	22	20	16	19	20	16	17	59	66	117	84	26
25	21	19	16	17	20	19	15	45	60	78	92	25
26	21	19	17	21	20	19	14	38	64	68	104	25
27	23	20	18	21	19	19	14	43	71	62	101	23
28	29	19	18	21	19	18	14	53	69	65	100	22
29	29	20	19	21	---	17	14	81	101	66	102	22
30	26	20	19	20	---	16	13	88	116	74	111	22
31	25	---	20	22	---	16	---	83	---	73	87	---
TOTAL	617	661	546	583	560	554	471	1618	2230	3432	2328	1451
MEAN	19.9	22.0	17.6	18.8	20.0	17.9	15.7	52.2	74.3	111	75.1	48.4
AC-FT	1220	1310	1080	1160	1110	1100	934	3210	4420	6810	4620	2880
MAX	29	28	23	24	22	20	20	132	134	150	111	92
MIN	17	19	14	15	17	16	13	14	37	62	49	22

CAL YR 1996 TOTAL 17238 MEAN 47.1 MAX 139 MIN 14 AC-FT 34190
WTR YR 1997 TOTAL 15051 MEAN 41.2 MAX 150 MIN 13 AC-FT 29850

MAX DISCH 168 CFS AT 0200 05-JUN-1997 GH 1.99 FT. SHIFT 0.04 FT. MAX GH 1.99 FT. AT 0200 05-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



RIO GRANDE BASIN

08251500 RIO GRANDE NEAR LOBATOS, CO

LOCATION.--Lat 37°04'43", long 105°45'23", in NE¼NW¼ sec. 27, T.33 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank at highway bridge, 5.7 mi north of Colorado-New Mexico State line, 8 mi downstream from Culebra Creek, 11 mi east of Lobatos, and 14 mi east of Antonito.

DRAINAGE AREA.--7,700 mi². approximately, includes 2,940 mi². in closed basin in northern part of San Luis Valley, Colo.

GAGE.--Water-stage recorder with satellite telemetry in a timber shelter on a stone well with outside slope gage. Datum of gage is 7,427.63 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for Oct. 28; Dec. 3-4, 1996; Jun 18, 1997 when the chart recorder was not inking and there was missing satellite data. Stage-discharge relation affected by ice Oct. 26-27, 29; Nov. 17-18, 27-30; Dec. 1-2, 5-31, 1996; Jan. 1-Feb. 17, 1997. Record is good except for periods of no gage height and ice affected record which is fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

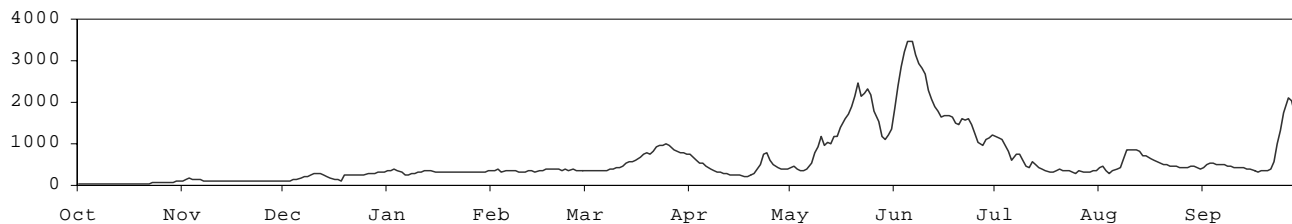
RATING TABLE.--RIOLOBCO03 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	109	95	340	360	374	733	444	1840	1170	424	443
2	38	141	115	355	365	355	670	448	2400	1150	470	496
3	39	165	125	380	380	368	591	405	2870	1110	355	522
4	41	150	135	360	335	370	550	351	3220	981	302	524
5	53	141	145	330	345	369	521	371	3470	822	354	490
6	49	133	185	250	365	361	448	401	3460	608	385	494
7	44	121	205	260	345	356	388	542	3150	748	421	492
8	44	108	215	290	340	384	375	795	2920	749	656	476
9	44	102	255	300	330	399	320	936	2820	591	850	449
10	44	99	290	315	325	412	309	1170	2690	460	871	420
11	51	97	300	330	335	430	285	971	2270	446	864	413
12	53	100	300	340	345	463	278	1020	2070	558	856	427
13	47	103	260	340	355	524	267	985	1890	514	825	445
14	47	102	230	340	330	565	244	1170	1780	446	730	409
15	46	103	190	320	345	587	237	1190	1660	404	727	376
16	46	105	160	310	355	614	239	1390	1670	364	649	357
17	45	100	145	310	390	685	227	1610	1670	330	591	334
18	42	95	105	310	377	763	218	1730	1640	308	556	342
19	48	96	235	320	379	777	243	1880	1510	350	543	372
20	50	101	260	320	380	751	299	2160	1480	386	513	354
21	48	101	240	330	381	805	383	2450	1620	369	489	382
22	45	102	240	320	350	913	484	2140	1570	359	448	567
23	59	102	240	315	380	963	756	2230	1590	375	448	1010
24	54	105	260	310	369	982	803	2330	1480	339	454	1330
25	58	108	265	315	388	1010	608	2180	1240	299	432	1740
26	67	109	280	330	368	976	499	1800	1040	360	432	2120
27	80	112	290	330	355	858	436	1520	975	339	436	2030
28	85	115	295	330	369	804	380	1170	1120	318	451	1730
29	85	120	305	330	---	782	390	1110	1150	336	458	1480
30	97	125	320	330	---	775	403	1210	1210	349	421	1200
31	101	---	325	345	---	761	---	1370	---	344	405	---
TOTAL	1688	3370	7010	10005	10041	19536	12584	39479	59475	16282	16816	22224
MEAN	54.5	112	226	323	359	630	419	1274	1983	525	542	741
AC-FT	3350	6680	13900	19840	19920	38750	24960	78310	118000	32300	33350	44080
MAX	101	165	325	380	390	1010	803	2450	3470	1170	871	2120
MIN	38	95	95	250	325	355	218	351	975	299	302	334
CAL YR 1996 TOTAL		65657	MEAN	179	MAX	609	MIN	15	AC-FT	130200		
WTR YR 1997 TOTAL		218510	MEAN	599	MAX	3470	MIN	38	AC-FT	433400		

MAX DISCH 3612 CFS AT 1500 05-JUN-1997 GH 4.72 FT. SHIFT -0.05 FT. MAX GH 4.72 FT. AT 1500 05-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO

LOCATION.--Tarbell ditch diverts water from Lake Fork Cochetopa Creek (tributary to Cochetopa Creek), in NW¼ sec. 18, T.43 N., R.2 E., in Gunnison River basin, to Lake Fork Saguache Creek (tributary to Middle Fork Saguache Creek) in NE¼ sec. 18, T.43 N., R.2 E., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2.5' Parshall Flume. Satellite monitoring system installed July 16, 1997.

REMARKS.--Record is complete and reliable except for the following periods: Jun. 26-30, 1997 when the clock was stopping; Jul. 3-7, 1997 when the pen was not inking well; and Jul. 16, 1997 when there was missing data due to the installation of the satellite system. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TARBELCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

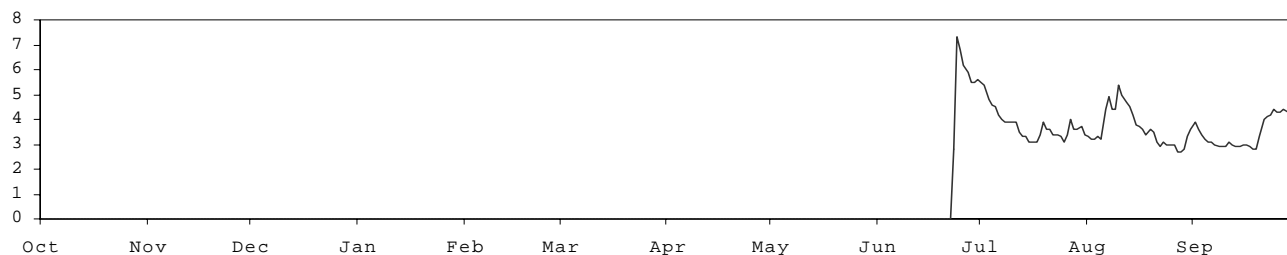
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	3.3	3.9
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	3.2	3.6
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	3.2	3.4
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	3.3	3.2
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.2	3.1
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.4	3.1
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.9	3.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	4.4	2.9
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	4.4	2.9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	5.4	2.9
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	5.0	3.1
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	4.7	3.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.5	2.9
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.2	2.9
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.8	3.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.7	3.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.6	2.9
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	2.8
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.6	2.8
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.5	3.3
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.1	4.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	2.9	4.1
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	3.4	3.1	4.2
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	3.3	3.0	4.4
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	3.1	3.0	4.3
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	3.4	3.0	4.3
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	4.0	2.7	4.4
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	3.6	2.7	4.3
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	5.5	3.6	2.8	4.1
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	5.6	3.7	3.3	4.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	3.4	3.6	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.6	117.4	112.9	103.8
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.52	3.79	3.64	3.46
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90	233	224	206
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	5.5	5.4	4.4
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	2.7	2.8

CAL YR 1996 TOTAL 185.51 MEAN 0.51 MAX 4.9 MIN 0.00 AC-FT 368
WTR YR 1997 TOTAL 379.7 MEAN 1.04 MAX 7.3 MIN 0.00 AC-FT 753

MAX DISCH 8.2 CFS AT 1930 06-AUG-1997 GH 0.79 FT. SHIFT 0.09 FT. MAX GH 0.79 FT. AT 1930 06-AUG-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO

LOCATION.--Lat 37°56'30", long 107°09'00"; Tabor ditch diverts water from tributaries of Cebolla Creek in secs, 29 and 36, T.43 N., R.3 W., in Gunnison River basin, to Big Spring Creek (tributary to North Clear Creek) in sec. 35, T.43 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Steven's Data Logger and satellite monitoring system at 3 ft Parshall flume.

REMARKS.--Record is complete and reliable except for the following periods: May 6-9, 1997 when there was missing data. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

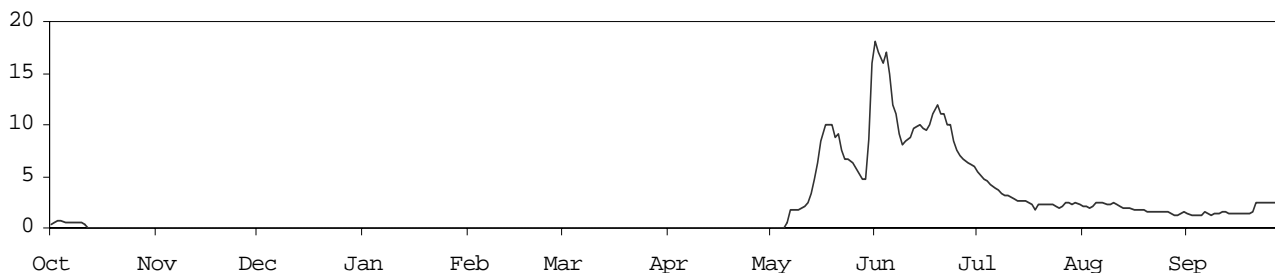
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	5.5	2.1	1.4
2	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	5.1	2.1	1.3
3	0.76	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	4.8	2.0	1.3
4	0.66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	4.6	2.1	1.3
5	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	4.2	2.5	1.2
6	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.60	12	3.9	2.4	1.6
7	0.55	0.0	0.0	0.0	0.0	0.0	0.0	1.7	11	3.7	2.4	1.4
8	0.55	0.0	0.0	0.0	0.0	0.0	0.0	1.7	9.2	3.3	2.3	1.3
9	0.55	0.0	0.0	0.0	0.0	0.0	0.0	1.7	8.1	3.2	2.3	1.4
10	0.55	0.0	0.0	0.0	0.0	0.0	0.0	1.9	8.4	3.1	2.4	1.4
11	0.27	0.0	0.0	0.0	0.0	0.0	0.0	2.1	8.8	3.0	2.2	1.5
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	9.6	2.8	2.1	1.5
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	9.8	2.7	2.0	1.4
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	10	2.6	2.0	1.4
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	9.6	2.6	1.9	1.4
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	9.5	2.5	1.8	1.4
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10	2.3	1.8	1.4
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	11	1.8	1.8	1.4
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	12	2.3	1.7	1.4
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	11	2.3	1.6	1.6
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	11	2.2	1.6	2.4
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	10	2.2	1.5	2.4
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	10	2.2	1.5	2.4
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	8.4	2.1	1.5	2.4
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	7.5	2.0	1.5	2.5
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	7.1	2.1	1.5	2.5
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	6.7	2.5	1.4	2.5
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	6.4	2.5	1.3	2.4
29	0.0	0.00	0.0	0.0	---	0.0	0.0	4.8	6.2	2.3	1.3	2.4
30	0.0	0.0	0.0	0.0	---	0.0	0.0	8.6	6.0	2.4	1.4	2.4
31	0.0	---	0.0	0.0	---	0.0	---	16	---	2.3	1.5	---
TOTAL	5.94	0.00	0.0	0.0	0.0	0.0	0.0	155.60	312.3	91.1	57.5	52.3
MEAN	0.19	0.00	0.0	0.0	0.0	0.0	0.0	5.02	10.4	2.94	1.85	1.74
AC-FT	12	0.01	0.0	0.0	0.0	0.0	0.0	309	619	181	114	104
MAX	0.76	0.00	0.0	0.0	0.0	0.0	0.0	16	18	5.5	2.5	2.5
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.8	1.3	1.2

CAL YR 1996 TOTAL 184.92 MEAN 0.51 MAX 4.9 MIN 0.00 AC-FT 367
WTR YR 1997 TOTAL 674.74 MEAN 1.85 MAX 18 MIN 0.00 AC-FT 1340

MAX DISCH 22 CFS AT 1915 31-MAY-1997 GH 1.48 FT. SHIFT 0.00 FT. MAX GH 1.48 FT. AT 1915 31-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO

LOCATION.--Treasure Pass diversion ditch diverts water from tributaries of Wolf Creek in San Juan River basin, to tributary of South Fork Rio Grande in sec. 5, T.37 N., R.2 E., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

REMARKS.--Record is complete and reliable except for the following periods: May 26 - Jun. 10, 1997 when the gage was isolated, and Jun. 12-17, 20-24, 1997 when the recorder clock stopped. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

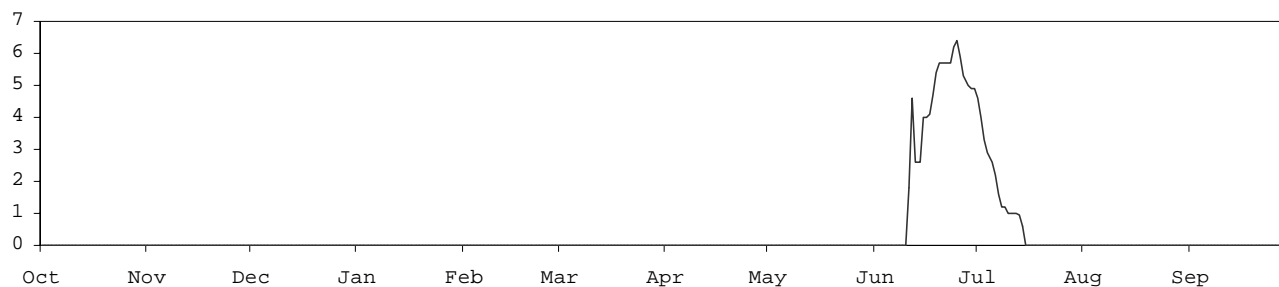
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.99	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.93	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.60	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	4.9	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	4.9	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.2	28.12	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.17	0.91	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	189	56	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	4.6	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 7.37 MEAN 0.02 MAX 1.1 MIN 0.00 AC-FT 15
WTR YR 1997 TOTAL 123.32 MEAN 0.34 MAX 6.4 MIN 0.00 AC-FT 245

MAX DISCH 7.6 CFS AT 1615 24-JUN-1997 GH 0.88 FT. SHIFT 0.09 FT. MAX GH 0.88 FT. AT 1615 24-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO

LOCATION.--SW¼ sec. 33, T.39 N., R.1 W., at Piedra Pass, Co. Diversion is from tributaries of Piedra River Basin to Red Mountain Creek in Rio Grande River Basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 9 in. Parshall flume.

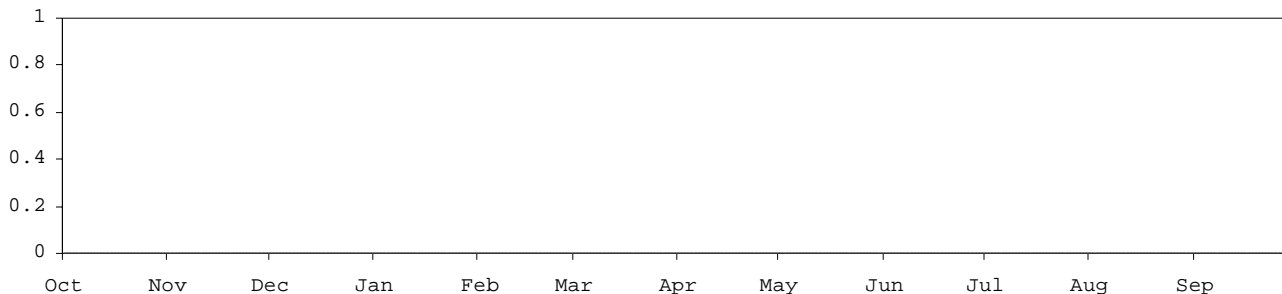
REMARKS.--No water flowed by station during water year. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--DLFDT1C002 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAL YR 1996 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		
WTR YR 1997 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		

MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH N0.2 AT PIEDRA PASS, CO

LOCATION.--SW¼ sec. 33, T.39 N., R.1 W., at Piedra Pass, Co. Diversion is from tributaries of Piedra River in San Juan River Basin to Red Mountain Creek in Rio Grande River Basin.

DRAINAGE AREA.--N/A

GAGE.--Stevens Data logger at 1.5 ft Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--DLFDT2C002 USED FROM 01-OCT-1996 TO 30-SEP-1997

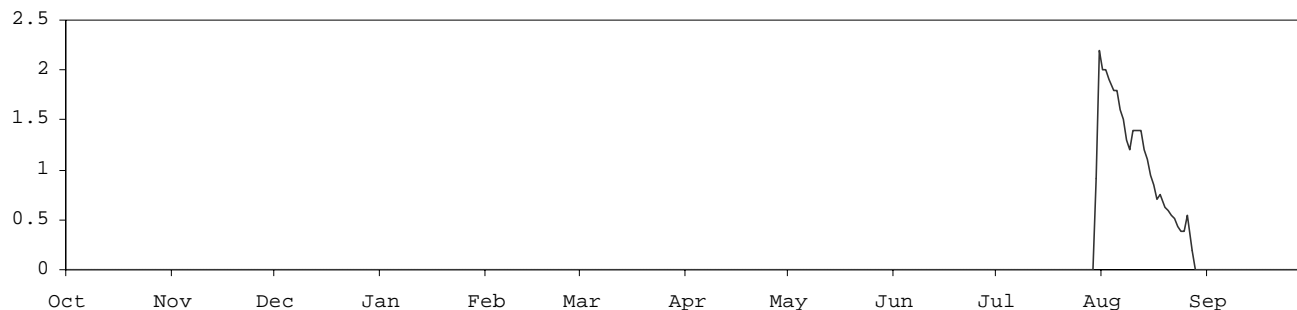
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.92	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	2.2	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.12	29.10	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.94	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	58	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 56.51 MEAN 0.15 MAX 1.6 MIN 0.00 AC-FT 112
WTR YR 1997 TOTAL 32.22 MEAN 0.09 MAX 2.2 MIN 0.00 AC-FT 64

MAX DISCH 4.8 CFS AT 1630 02-AUG-1997 GH 0.87 FT. SHIFT -0.01 FT. MAX GH 0.87 FT. AT 1630 02-AUG-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH, COMBINED, AT PIEDRA PASS, CO

LOCATION.--Don La Font ditches 1 and 2 divert water from tributaries of Piedra River between headgates in NW¼ sec. 4, T.38 N., R.1 W., and SW¼ sec. 33, T.39 N., R.1 W., and Piedra pass, in San Juan River basin, to Red Mountain Creek in sec. 33, T.39 N., R.1 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorders.

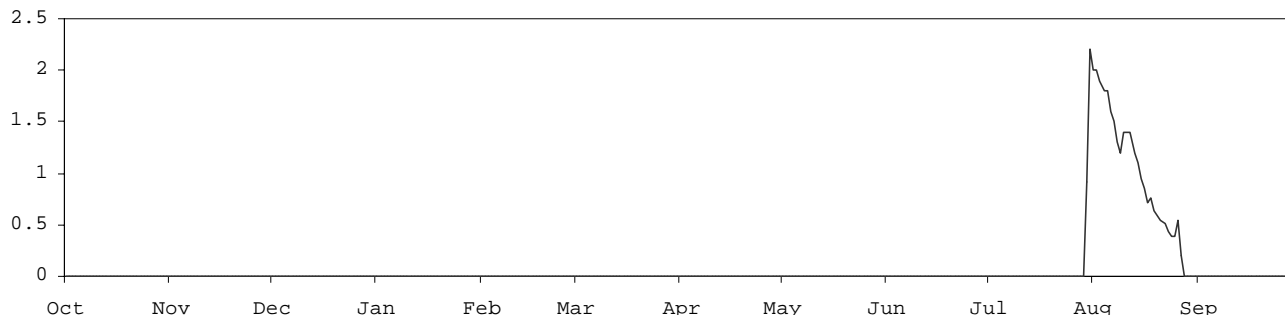
REMARKS.--Records combined to obtain this record.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.92	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	2.2	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.12	29.10	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.94	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	58	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1996 TOTAL 56.54 MEAN 0.15 MAX 1.6 MIN 0.00 AC-FT 112
WTR YR 1997 TOTAL 32.22 MEAN 0.09 MAX 2.2 MIN 0.00 AC-FT 64

MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO

LOCATION.--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Satellite monitored DCP at a 2' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--WCSGITCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

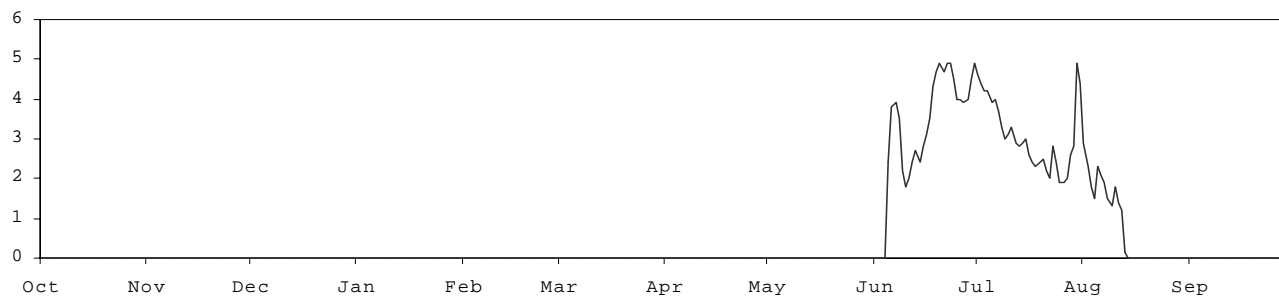
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	2.9	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	2.3	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.8	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.5	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.9	2.3	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	4.0	2.1	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.7	1.9	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.3	1.5	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	3.0	1.3	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.1	1.8	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.3	1.4	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.9	1.2	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.8	0.14	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.9	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	3.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	2.6	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.4	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	2.3	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	2.4	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	2.5	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	2.2	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	2.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	2.8	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	2.4	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.9	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.9	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	2.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.6	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	4.5	2.8	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	4.9	4.9	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	4.4	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.7	95.4	22.14	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.16	3.08	0.71	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	188	189	44	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.9	2.9	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0

CAL YR 1996 TOTAL 62.18 MEAN 0.17 MAX 3.2 MIN 0.00 AC-FT 123
WTR YR 1997 TOTAL 212.24 MEAN 0.58 MAX 4.9 MIN 0.00 AC-FT 421

MAX DISCH 7.0 CFS AT 1200 30-JUL-1997 GH 0.85 FT. SHIFT 0.07 FT. MAX GH 0.85 FT. AT 1200 30-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

LOCATION.--Weminuche Pass ditch diverts water from left bank of Rincon la vaca Creek (tributary to Los Pinos River) in sec. 5, T.39 N., R.4 W., in San Juan River basin, to Weminuche Creek in sec. 33, T.40 N., R.4 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 3 ft Parshall flume.

REMARKS.--Record is complete and reliable except for the following periods: Jun. 6-8, Aug. 6-8, 1997 when there was missing data; Jul. 25-30, 1997 when the float was not working properly; Aug. 30 - Sep. 3, 1997 when the recorder clock stopped. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--PRWDITCO04 USED FROM 01-OCT-1996 TO 30-SEP-1997

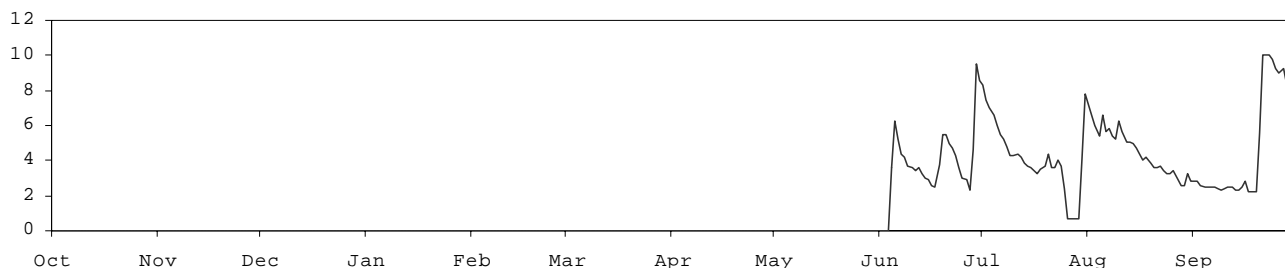
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	7.2	2.8
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	6.6	2.8
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.0	2.6
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	6.6	5.4	2.5
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	6.0	6.6	2.5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.5	5.7	2.5
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	5.2	5.8	2.5
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.8	5.4	2.4
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	4.3	5.2	2.3
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	4.3	6.3	2.4
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	4.4	5.7	2.5
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	4.2	5.1	2.5
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.9	5.1	2.3
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.7	5.0	2.3
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	3.6	4.7	2.5
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	3.4	4.4	2.8
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	3.3	4.0	2.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.5	4.2	2.2
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	3.7	3.9	2.2
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	4.4	3.6	5.6
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.6	3.6	10
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	3.6	3.7	10
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.0	3.4	10
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.7	3.3	9.8
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.4	3.3	9.3
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.68	3.4	9.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.68	2.9	9.3
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.68	2.6	8.3
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	9.5	0.68	2.6	7.3
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	8.6	4.1	3.3	6.4
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	7.8	2.8	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115.6	129.52	140.8	141.8
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.85	4.18	4.54	4.73
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	229	257	279	281
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	8.3	7.2	10
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.68	2.6	2.2

CAL YR 1996 TOTAL 21.23 MEAN 0.06 MAX 4.2 MIN 0.00 AC-FT 42
WTR YR 1997 TOTAL 527.72 MEAN 1.45 MAX 10 MIN 0.00 AC-FT 1050

MAX DISCH 10 CFS AT 1400 22-SEP-1997 GH 0.92 FT. SHIFT -0.01 FT. MAX GH 0.94 FT. AT 0800 29-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

LOCATION.--Weminuche Pass ditch diverts water from left bank of Rincon la Vaca Creek (tributary to Los Pinos River) in sec. 5, T.39 N., R.4 W., in San Juan River basin, to Weminuche Creek in sec. 33, T.40 N., R.4 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 5' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-1996 TO 30-SEP-1997

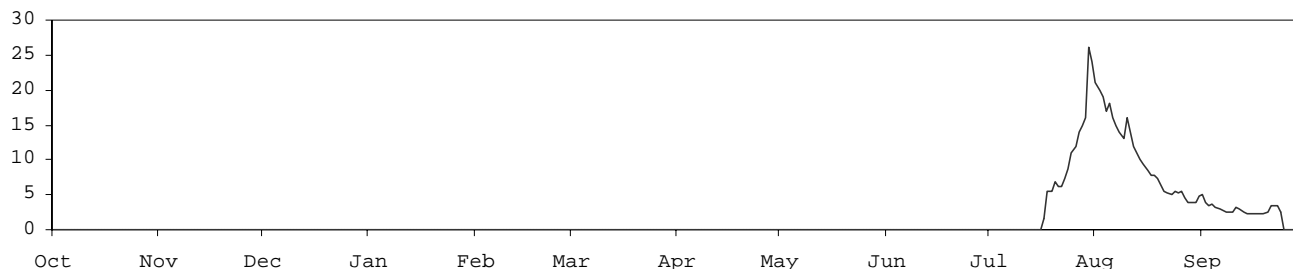
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	5.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	4.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	3.4
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	3.6
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	3.3
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	3.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	2.8
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	2.5
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	2.5
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	2.6
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.1
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.5
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	2.4
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	2.4
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	2.2
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	7.7	2.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	7.7	2.2
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	7.3	2.2
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	6.4	2.5
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	5.6	3.4
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	5.2	3.4
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	5.0	3.4
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	5.4	2.5
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	5.2	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	5.4	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	4.5	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	4.0	0.0
29	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	16	3.8	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	26	4.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	24	4.7	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165.9	315.7	70.1
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.35	10.2	2.34
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	329	626	139
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	21	5.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0

CAL YR 1996 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1997 TOTAL 551.7 MEAN 1.51 MAX 26 MIN 0.00 AC-FT 1090

MAX DISCH 30 CFS AT 1600 30-JUL-1997 GH 1.32 FT. SHIFT -0.03 FT. MAX GH 1.32 FT. AT 1600 30-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



GUNNISON RIVER BASIN

09131490 MUDDY CREEK ABOVE PAONIA RESERVOIR

LOCATION.--Lat 38°59'15", long 107°20'53", in the NE¼SE¼NW¼ sec 28, T.12 S., R.89 W. in Gunnison County on the right bank 700 ft. downstream from county bridge and 1400 ft. upstream from high water line of Paonia Reservoir.

GAGE.--Water-stage recorder and satellite telemetry.

REMARKS.--Record is complete, good and reliable except for the following periods: Nov. 21-25; Dec. 4-12, 16-31, 1996; Jan. 1-14, 16-28, 1997 when stage relation discharge was affected by ice. These periods estimated using strip charts, temperature comparisons and Paonia Reservoir. This period of record considered poor. Station maintained by Gerald M. Thrush and Steven W. Tuck. Record developed by Gerald M. Thrush.

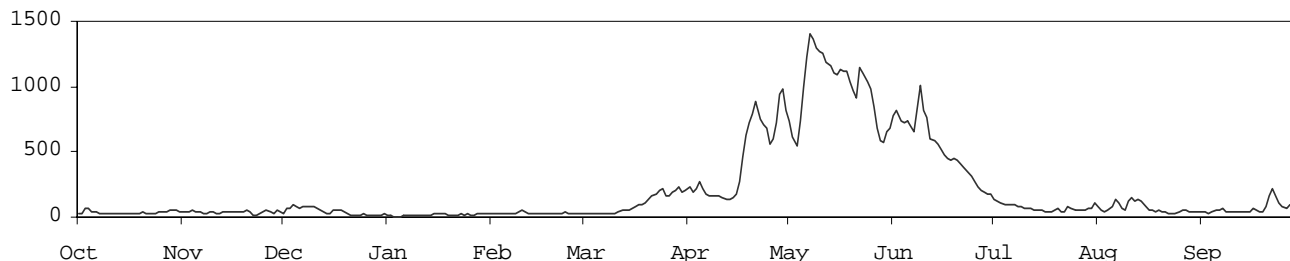
RATING TABLE.--MUDAPRC006 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	39	34	12	23	24	231	730	783	140	81	40
2	23	37	64	8.0	25	25	196	617	812	122	53	35
3	72	41	75	6.0	21	26	218	549	733	113	46	32
4	64	51	90	5.0	24	23	278	736	727	100	50	38
5	43	44	85	6.0	22	23	222	998	738	96	81	48
6	35	45	75	14	21	26	179	1230	698	92	141	50
7	29	28	78	12	21	29	164	1400	654	91	113	64
8	27	32	82	8.0	31	29	158	1360	830	86	70	47
9	26	37	80	10	44	28	167	1290	1010	79	54	41
10	25	35	78	8.0	50	33	164	1270	825	72	121	37
11	25	33	66	10	38	42	151	1260	770	65	147	36
12	24	34	52	15	32	54	139	1190	595	64	120	47
13	24	36	41	16	26	61	137	1160	593	61	139	45
14	25	37	30	15	25	60	151	1110	553	60	128	43
15	25	42	30	21	22	63	173	1090	517	52	81	44
16	33	37	52	30	26	81	272	1130	471	46	60	66
17	34	37	48	25	25	90	457	1120	445	43	53	55
18	26	45	50	22	29	94	632	1120	434	38	47	47
19	28	44	42	18	29	108	724	1040	449	52	49	46
20	39	53	25	18	32	134	794	974	440	62	46	80
21	28	42	18	18	27	167	884	910	410	43	38	166
22	26	15	16	18	34	179	744	1150	382	45	33	222
23	33	15	18	22	44	207	703	1110	348	79	28	170
24	32	25	20	18	29	224	683	1030	319	63	25	106
25	41	35	22	22	28	159	554	984	274	56	47	80
26	42	57	16	18	29	170	603	842	232	51	54	67
27	36	40	18	18	25	197	720	680	201	51	49	97
28	48	32	20	22	24	208	945	590	190	55	41	76
29	61	59	18	25	---	236	976	578	184	73	37	61
30	48	42	16	28	---	188	814	648	173	74	39	55
31	46	---	24	30	---	200	---	688	---	105	35	---
TOTAL	1090	1149	1383	518.0	806	3188	13233	30584	15790	2229	2106	2041
MEAN	35.2	38.3	44.6	16.7	28.8	103	441	987	526	71.9	67.9	68.0
AC-FT	2160	2280	2740	1030	1600	6320	26250	60660	31320	4420	4180	4050
MAX	72	59	90	30	50	236	976	1400	1010	140	147	222
MIN	22	15	16	5.0	21	23	137	549	173	38	25	32
CAL YR 1996 TOTAL	45674.8		MEAN	125	MAX	891	MIN	8.8	AC-FT	90600		
WTR YR 1997 TOTAL	74117.0		MEAN	203	MAX	1400	MIN	5.0	AC-FT	147000		

MAX DISCH 1809 CFS AT 2230 06-MAY-1997 GH 8.88 FT. SHIFT -0.29 FT. MAX GH 8.88 FT. AT 2230 06-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



GUNNISON RIVER BASIN

09131500 MUDDY CREEK BELOW PAONIA RESERVOIR

LOCATION.--Lat 38°56'26", long 107°21'24" in the SE¼NW¼NE¼ sec. 8, T.13 S., R. 89 W. (in Gunnison County on the right hand bank), and about 100 feet above county bridge and about 1100 feet below Paonia Reservoir outlet.

GAGE.--Water-stage recorder and satellite telemetry float activated. Bank operated cableway installed April 1996.

REMARKS.--The record is complete, reliable and good. This year there was an abundance of snow pack resulting in relatively high releases during the winter and that kept the stilling well and inlets in good operating order. The good soil moisture and ample direct stream flow meant that storage was not called and that resulted in the Ridgway Reservoir spilling clear into the last part of August. Record developed and station maintained by Steve W. Tuck and Gerald M. Thrush.

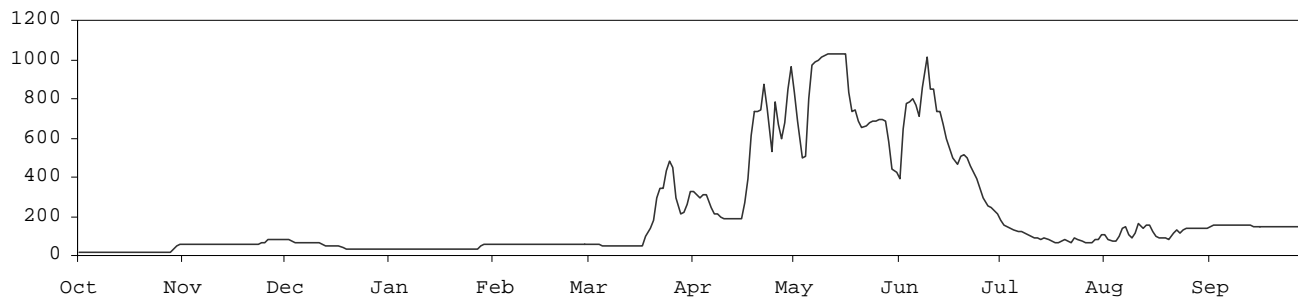
RATING TABLE.--MUDBPRC06 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	54	85	30	61	59	324	831	393	182	107	149
2	17	54	85	30	61	59	308	683	645	159	81	154
3	18	55	76	31	61	59	295	502	773	150	73	153
4	18	54	66	30	61	55	308	510	780	135	76	153
5	18	54	66	30	61	48	314	797	803	128	98	152
6	18	55	66	30	61	48	248	971	766	123	141	152
7	18	55	64	30	61	48	210	986	712	121	149	152
8	18	55	64	31	61	48	210	1000	855	115	108	152
9	18	55	64	32	61	48	197	1010	1010	107	86	152
10	18	55	64	32	61	48	185	1020	849	96	118	152
11	18	55	64	32	61	48	185	1030	853	92	166	152
12	18	55	57	32	61	49	185	1030	734	89	138	152
13	18	55	50	32	61	50	185	1030	731	85	154	152
14	17	55	50	32	61	50	185	1030	669	86	153	150
15	16	55	50	32	61	50	185	1030	600	79	121	150
16	16	55	50	32	61	50	269	1030	544	73	98	150
17	16	54	50	32	60	51	389	829	499	68	86	151
18	16	54	43	32	59	97	609	735	465	63	87	151
19	17	54	32	32	59	141	736	742	509	70	87	150
20	18	54	32	32	59	180	732	688	518	85	84	150
21	18	54	32	32	59	293	739	657	494	71	115	150
22	17	54	32	32	59	341	871	665	461	65	134	150
23	17	55	32	32	59	339	752	674	425	88	114	150
24	16	62	32	32	59	434	529	683	388	84	130	150
25	16	67	32	32	59	485	785	688	341	72	142	150
26	16	79	32	32	59	447	669	693	294	66	136	149
27	16	85	32	32	59	296	597	694	256	66	135	149
28	17	85	32	48	59	216	674	686	241	68	135	149
29	30	85	32	61	---	218	851	579	232	79	135	149
30	49	85	31	61	---	258	961	438	216	85	135	148
31	55	---	30	61	---	326	---	423	---	108	135	---
TOTAL	614	1803	1527	1081	1685	4939	13687	24364	17056	2958	3657	4523
MEAN	19.8	60.1	49.3	34.9	60.2	159	456	786	569	95.4	118	151
AC-FT	1220	3580	3030	2140	3340	9800	27150	48330	33830	5870	7250	8970
MAX	55	85	85	61	61	485	961	1030	1010	182	166	154
MIN	16	54	30	30	59	48	185	423	216	63	73	148
CAL YR 1996 TOTAL		52970.1	MEAN	145	MAX	794	MIN	2.5	AC-FT	105100		
WTR YR 1997 TOTAL		77894	MEAN	213	MAX	1030	MIN	16	AC-FT	154500		

MAX DISCH 1112 CFS AT 0715 09-JUN-1997 GH 5.58 FT. SHIFT -0.02 FT. MAX GH 5.58 FT. AT 0715 09-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



GUNNISON RIVER BASIN

ABC LATERAL NEAR MONTROSE, CO

LOCATION.--Lat 38°29'06", long 107°44'57", in SE¼NE¼NE¼ sec. 27, T.49 N., R.8 W., Montrose County, on left bank of canal 270 ft. below takeout from South Canal, such takeout being 1700 ft. below the west portal of the Gunnison Tunnel.

GAGE.--Graphic water-stage recorder with satellite telemetry.

REMARKS.--Record is complete, good and reliable. The normal operating period of the canal was from Oct. 01 to Nov. 04, 1996 and from about Apr. 16 to Sep. 30, 1997. The intervening period, from Nov. 04, 1996 to Mar. 24, 1997 consisted of seepage from the Gunnison Tunnel. This winter shut down period is a normal operational occurrence. Then the period from Mar. 24, 1997 when the Gunnison Tunnel was in operation to Apr. 16, 1997 the headgate of the ABC Drop controlled the flow of water into the canal. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--ABCLATCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

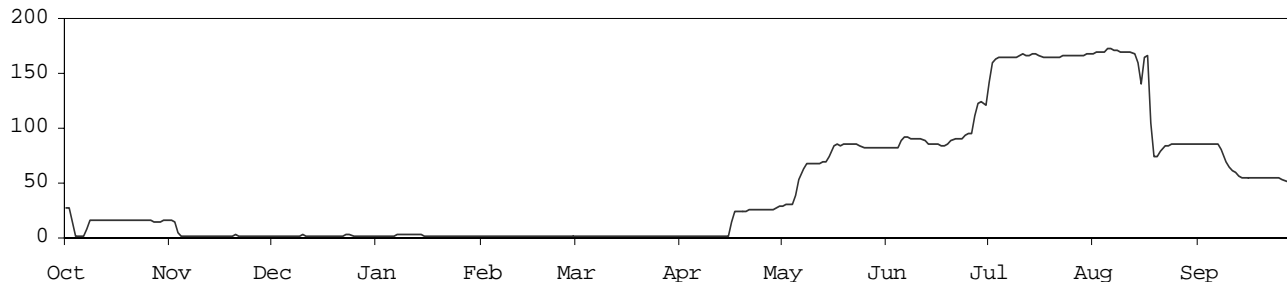
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	16	1.4	1.6	1.1	0.92	1.2	29	83	142	168	86
2	27	14	1.5	1.6	1.1	0.92	1.3	30	83	159	169	86
3	14	4.5	1.5	1.8	1.1	0.93	1.3	30	82	163	169	86
4	2.2	2.0	1.6	1.9	1.9	0.90	1.3	30	83	164	170	86
5	2.0	1.9	1.6	1.9	2.4	1.9	1.3	39	88	164	172	86
6	2.0	1.6	1.6	1.9	1.3	1.6	1.4	54	92	164	172	86
7	8.3	1.6	1.6	2.5	1.1	0.95	1.3	63	92	164	171	86
8	16	1.6	1.7	2.8	1.1	1.1	1.3	67	91	164	171	81
9	16	1.6	2.4	2.6	1.0	1.1	1.3	68	91	165	169	70
10	16	1.5	2.8	2.7	1.0	1.0	1.2	68	91	166	169	64
11	16	1.5	1.6	2.7	1.0	0.93	1.2	68	91	168	169	62
12	16	1.5	1.6	2.7	1.0	0.97	1.2	68	88	166	170	59
13	16	1.4	1.6	2.7	1.0	0.97	1.2	69	85	166	167	56
14	16	1.5	1.6	2.8	1.0	0.98	1.3	69	85	167	159	55
15	16	1.7	1.6	1.5	1.0	0.97	1.4	74	86	167	141	55
16	16	1.7	1.6	1.3	1.0	0.98	1.4	84	86	166	165	55
17	16	1.6	1.6	1.3	1.1	0.98	2.4	85	84	165	166	55
18	16	1.6	1.5	1.3	2.4	1.1	25	84	84	164	105	55
19	16	1.7	1.6	1.2	2.1	1.1	25	85	85	164	74	55
20	16	2.9	1.4	1.2	1.1	1.1	25	86	88	165	74	55
21	16	1.5	1.5	1.2	1.0	1.1	26	86	90	164	79	55
22	16	1.2	1.8	1.2	0.97	1.2	26	86	90	165	84	55
23	16	1.2	2.5	1.2	0.92	1.2	26	85	91	166	84	55
24	16	1.2	2.8	1.2	0.92	1.5	26	84	93	166	85	55
25	16	1.2	1.4	1.2	0.92	1.5	26	83	95	166	85	55
26	16	1.2	1.4	1.1	0.92	1.4	26	83	95	166	85	53
27	15	1.4	1.4	1.1	0.92	1.4	26	83	111	166	85	51
28	15	1.4	1.4	1.1	0.92	1.4	26	83	123	166	86	51
29	15	1.4	1.4	1.1	---	1.4	27	83	124	166	86	50
30	16	1.4	1.5	1.1	---	1.3	29	82	121	167	86	49
31	16	---	1.5	1.1	---	1.2	---	82	---	167	86	---
TOTAL	463.5	76.5	52.0	52.6	33.29	36.00	396.2	2170	2771	5098	4021	1908
MEAN	15.0	2.55	1.68	1.70	1.19	1.16	13.2	70.0	92.4	164	130	63.6
AC-FT	919	152	103	104	66	71	786	4300	5500	10110	7980	3780
MAX	27	16	2.8	2.8	2.4	1.9	29	86	124	168	172	86
MIN	2.0	1.2	1.4	1.1	0.92	0.90	1.2	29	82	142	74	49

CAL YR 1996 TOTAL 23899.78 MEAN 65.3 MAX 159 MIN 0.10 AC-FT 47410
WTR YR 1997 TOTAL 17078.09 MEAN 46.8 MAX 172 MIN 0.90 AC-FT 33870

MAX DISCH 174 CFS AT 1300 06-AUG-1997 GH 3.66 FT. SHIFT -0.18 FT. MAX GH 3.66 FT. AT 1300 06-AUG-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



GUNNISON RIVER BASIN

SOUTH CANAL NEAR MONTROSE, CO

LOCATION.--Lat 38°29'01", long 107°45'20", in NE¼SW¼NE¼ sec 27, T.49 N., R.8 W., Montrose County, on right bank of canal approximately 3600 ft. below the west portal of the Gunnison Tunnel.

GAGE.--Water-stage recorder with satellite telemetry.

REMARKS.--The record is complete, good and reliable during the normal operating season. The normal operating period was from the Oct 1 to Nov 2, 1996 and from Mar 24 to Sep 30, 1997. The intervening period reflected use on eight occasions to fill Fairview Reservoir. These periods were: Nov. 20; Dec. 10, 23-24, 1996; Jan. 13-14; Feb. 4-5, 18-19; Mar. 5-6, 15, 1997. These intervening winter values were supplied by the Uncompahgre Valley Water Users Association and are considered fair. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--SOUCANCO12 USED FROM 01-OCT-1996 TO 30-SEP-1997

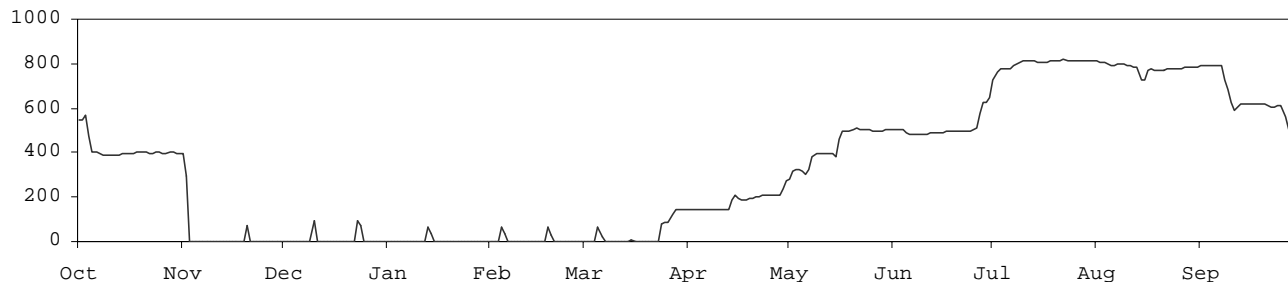
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	549	397	0.0	0.0	0.0	0.0	143	279	502	724	811	788
2	550	294	0.0	0.0	0.0	0.0	143	314	504	765	808	790
3	569	0.0	0.0	0.0	0.0	0.0	143	326	504	778	805	790
4	473	0.0	0.0	0.0	66	0.0	143	324	503	775	800	792
5	404	0.0	0.0	0.0	36	62	143	317	491	776	793	793
6	404	0.0	0.0	0.0	0.0	23	143	301	481	777	789	794
7	397	0.0	0.0	0.0	0.0	0.0	143	327	482	788	797	794
8	387	0.0	0.0	0.0	0.0	0.0	144	381	482	797	798	727
9	391	0.0	0.0	0.0	0.0	0.0	146	398	482	809	795	687
10	392	0.0	90	0.0	0.0	0.0	145	398	482	815	793	624
11	392	0.0	0.0	0.0	0.0	0.0	144	395	482	813	788	589
12	392	0.0	0.0	0.0	0.0	0.0	145	396	486	812	785	603
13	392	0.0	0.0	66	0.0	0.0	146	395	489	810	785	618
14	394	0.0	0.0	38	0.0	0.0	184	394	490	809	724	619
15	394	0.0	0.0	0.0	0.0	8.8	206	384	490	805	726	620
16	395	0.0	0.0	0.0	0.0	0.0	192	458	491	803	769	620
17	399	0.0	0.0	0.0	0.0	0.0	184	493	496	807	777	620
18	402	0.0	0.0	0.0	62	0.0	188	493	498	812	769	622
19	404	0.0	0.0	0.0	26	0.0	192	498	500	815	770	622
20	403	69	0.0	0.0	0.0	0.0	194	504	496	815	773	620
21	401	0.0	0.0	0.0	0.0	0.0	198	509	494	815	771	611
22	399	0.0	0.0	0.0	0.0	0.0	202	506	494	817	775	606
23	399	0.0	90	0.0	0.0	0.0	206	502	496	815	776	606
24	400	0.0	75	0.0	0.0	81	206	501	498	813	777	610
25	400	0.0	0.0	0.0	0.0	87	206	502	506	812	779	611
26	399	0.0	0.0	0.0	0.0	86	207	500	508	811	779	559
27	398	0.0	0.0	0.0	0.0	124	208	500	572	813	782	502
28	400	0.0	0.0	0.0	0.0	146	209	500	623	815	783	509
29	400	0.0	0.0	0.0	---	146	236	500	624	816	784	460
30	399	0.0	0.0	0.0	---	146	270	502	646	815	786	431
31	398	---	0.0	0.0	---	145	---	502	---	813	787	---
TOTAL	12876	760	255	104	190	1054.8	5359	13299	15292	24860	24234	19237
MEAN	415	25.3	8.23	3.35	6.79	34.0	179	429	510	802	782	641
AC-FT	25540	1510	506	206	377	2090	10630	26380	30330	49310	48070	38160
MAX	569	397	90	66	66	146	270	509	646	817	811	794
MIN	387	0.0	0.0	0.0	0.0	0.0	143	279	481	724	724	431

CAL YR 1996 TOTAL 169698 MEAN 464 MAX 867 MIN 0.00 AC-FT 336600
WTR YR 1997 TOTAL 117520.8 MEAN 322 MAX 817 MIN 0.00 AC-FT 233100

MAX DISCH 820 CFS AT 1045 21-JUL-1997 GH 3.27 FT. SHIFT -0.82 FT. MAX GH 3.65 FT. AT 1230 06-SEP-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



GUNNISON RIVER BASIN

REDLANDS CANAL NEAR GRAND JUNCTION, CO

LOCATION.--Lat 39°01'49", long 108°33'51", in NW¼SW¼NW¼ sec 35, T.1 S., R.1 W., Mesa County, on the Right bank of canal 650 ft. below the Redlands diversion dam.

GAGE.--Water-stage recorder with satellite telemetry.

REMARKS.--Record is complete, good and reliable, except for Dec. 17-26, 1996; Jan. 7-19, 1997 when stage discharge relationship was ice affected and Apr. 14-21, 1997 when inlets left closed. The canal was off for maintenance from Oct. 24-31, 1996 and Mar. 31-Apr. 9, 1997. Record considered good except for ice affected days, which are fair and isolated days which are considered poor. Station maintained by Steven W. Tuck and record developed by Gerald M. Thrush.

RATING TABLE.--RLCGRJCO04 USED FROM 01-OCT-1996 TO 30-SEP-1997

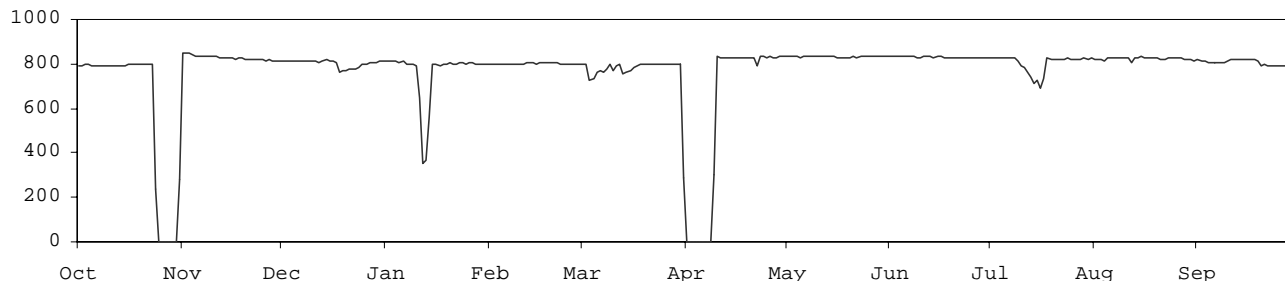
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	794	846	816	812	801	799	0.0	833	834	830	821	818
2	794	847	814	810	801	797	0.0	831	833	829	821	813
3	797	849	812	813	801	726	0.0	831	834	827	822	810
4	799	842	812	810	801	735	0.0	832	834	827	814	807
5	794	836	814	806	800	763	0.0	830	834	828	824	807
6	793	834	812	810	801	773	0.0	831	832	827	827	804
7	792	832	812	800	800	765	0.0	832	833	827	828	807
8	793	831	811	795	799	779	0.0	835	831	828	827	804
9	792	831	813	795	801	801	304	835	830	816	825	805
10	792	833	811	790	802	772	833	834	830	791	828	813
11	794	832	810	645	802	791	830	835	832	782	829	819
12	792	829	808	355	804	799	828	832	831	764	808	821
13	793	829	814	365	805	754	829	831	831	742	828	820
14	793	828	817	560	803	760	824	831	830	709	830	820
15	793	828	816	795	802	771	824	831	832	725	831	819
16	795	827	816	795	805	785	824	830	831	693	828	819
17	797	823	805	790	804	792	824	830	828	733	825	817
18	799	824	765	795	806	799	824	830	829	824	825	818
19	799	824	770	795	804	796	824	829	829	822	827	814
20	796	820	770	806	804	797	824	830	829	823	825	789
21	802	820	780	802	806	798	824	831	828	823	823	796
22	802	819	775	801	802	797	794	830	829	821	823	792
23	802	821	780	805	800	799	832	833	828	823	825	793
24	234	817	785	805	802	800	831	837	826	825	826	789
25	0.0	817	795	802	801	798	829	835	829	823	828	791
26	0.0	816	800	803	799	798	832	835	829	822	824	789
27	0.0	817	807	803	800	800	830	836	828	822	825	791
28	0.0	815	808	802	800	800	830	836	829	822	821	790
29	0.0	815	807	799	---	800	831	836	828	825	820	791
30	0.0	816	811	800	---	799	834	833	828	822	820	792
31	279	---	812	802	---	287	---	834	---	825	815	---
TOTAL	18810	24818	24878	23566	22456	23830	17659	25809	24909	24900	25543	24158
MEAN	607	827	803	760	802	769	589	833	830	803	824	805
AC-FT	37310	49230	49350	46740	44540	47270	35030	51190	49410	49390	50660	47920
MAX	802	849	817	813	806	801	834	837	834	830	831	821
MIN	0.0	815	765	355	799	287	0.0	829	826	693	808	789

CAL YR 1996 TOTAL 288287 MEAN 788 MAX 851 MIN 0.00 AC-FT 571800
WTR YR 1997 TOTAL 281336 MEAN 771 MAX 849 MIN 0.00 AC-FT 558000

MAX DISCH 871 CFS AT 1200 17-JUL-1997 GH 7.41 FT. SHIFT 0.04 FT. MAX GH 7.41 FT. AT 1200 17-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



GUNNISON RIVER BASIN

UNCOMPAGHRE RIVER NEAR OLATHE, CO

LOCATION.--Lat 38°36'5", long 107°58'58", SW¼SW¼ of NW¼ sec. 15, T.50 N., R. 10W, NMPM, and about 3,100 ft. above the S. H. 348 bridge and about 5,100 ft below the East Canal headgate and diversion structure, both stream distance. The gage is on the right bank and in Montrose County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry. The DCP is the primary record with Electronic Data Logger as backup.

REMARKS.--The gage operated from October 1, 1996 to September 30,1997. The record is complete reliable and good. The primary record is satellite transmitted data from the DCP. The Secondary record for this station is the Electronic Data Logger (EDL). The tertiary record is the strip chart. The Uncompahgre River is controlled by releases from Ridgway Reservoir and imported water through the Gunnison Tunnel during periods of low natural stream flow. The canals of the Uncompahgre Project effect the amount of discharge at this gage. The East Canal is immediately above. The Ironstone Canal is above that, and operation of those automatic gates is reflected at this site by uneven stage from the gates seeking their set level. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--UNCOLACO06 USED FROM 01-OCT-1996 TO 30-SEP-1997

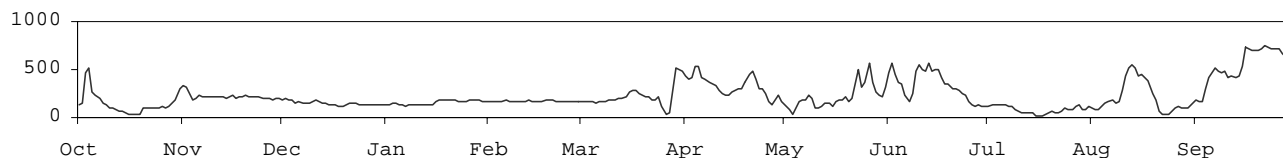
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	327	185	135	160	166	436	134	464	111	104	188
2	152	325	196	136	159	162	402	88	563	140	88	172
3	471	250	177	154	159	165	417	41	447	134	90	167
4	512	188	183	152	164	169	541	92	369	131	118	304
5	272	204	156	136	172	158	536	159	343	126	146	417
6	239	231	163	139	179	160	411	180	232	127	167	471
7	196	218	157	125	171	166	405	181	170	115	183	512
8	157	213	152	139	165	171	369	237	252	120	152	478
9	129	213	154	136	168	181	351	192	478	90	170	462
10	102	213	173	135	169	184	335	100	554	74	280	487
11	94	211	176	136	172	190	278	92	497	58	433	422
12	79	210	164	136	168	196	254	111	483	48	511	427
13	70	209	155	134	180	205	235	151	562	42	544	423
14	59	205	149	134	165	223	228	153	488	44	525	428
15	55	214	137	133	171	272	269	120	508	21	429	533
16	37	226	138	171	170	281	281	169	502	9.7	447	732
17	33	207	128	176	174	286	298	185	414	13	424	710
18	37	217	117	182	177	255	303	187	347	35	381	705
19	39	222	121	183	181	226	368	214	342	57	258	695
20	104	230	133	179	176	213	453	172	305	64	180	704
21	96	223	153	182	172	213	491	192	306	58	64	718
22	97	213	146	176	162	181	402	347	280	44	29	753
23	99	222	142	174	168	188	295	497	248	69	31	735
24	105	213	135	173	171	223	295	313	226	98	34	714
25	108	203	136	174	168	114	249	361	162	80	64	711
26	109	202	139	181	166	38	171	567	139	81	93	709
27	108	204	139	181	169	47	137	374	121	109	114	661
28	122	189	139	180	167	287	180	270	128	138	101	641
29	152	203	136	178	---	510	230	238	116	88	94	643
30	182	204	135	171	---	498	159	223	112	91	93	649
31	299	---	136	173	---	485	---	321	---	112	127	---
TOTAL	4448	6609	4650	4894	4743	6813	9779	6661	10158	2527.7	6474	16371
MEAN	143	220	150	158	169	220	326	215	339	81.5	209	546
AC-FT	8820	13110	9220	9710	9410	13510	19400	13210	20150	5010	12840	32470
MAX	512	327	196	183	181	510	541	567	563	140	544	753
MIN	33	188	117	125	159	38	137	41	112	9.7	29	167

CAL YR 1996 TOTAL 48874.7 MEAN 134 MAX 512 MIN 1.1 AC-FT 96940
WTR YR 1997 TOTAL 84127.7 MEAN 230 MAX 753 MIN 9.7 AC-FT 166900

MAX DISCH 806 CFS AT 2400 15-SEP-1997 GH 4.68 FT. SHIFT 0.06 FT. MAX GH 4.79 FT. AT 0315 26-MAY-1997 AND 2315 09-JUN-1997.

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



BLUE RIVER BASIN

BLUE RIVER AT HIGHWAY 9 BRIDGE BELOW BRECKENRIDGE, CO

LOCATION.--Lat 39°32'29", long 106°02'40", in SE¼SW¼ sec. 7, T.6 S., R.77 W., Hydrologic Unit 14010004, Summit County, on right bank 25 ft. above Highway 9 Bridge, 3 1/2 miles north of Breckenridge and 2 1/4 miles south of Dillon Reservoir(Blue River Arm).

DRAINAGE AREA AND PERIOD OF RECORD.--N/A, Satellite telemetry began Nov. 25, 1996 and chart recording began May 29, 1997.

GAGE.--Continuous water-stage recorder housed in an exposed aggregate 4'8"x6'8" building with a 4' corrugated metal well 10 ft. deep. Drop tape on inside of well with a supplemental outside staff gage. Altitude of gage is 9,180 ft. from topographic map. Two 2" galvanized pipes connect well to stream. Control is rock and cobble riffle(low flows) and 8' culverts(high flows).

REMARKS.--Gage height is complete except for the following periods: Satellite telemetry not transmitting Feb. 22-Mar. 17; Aug. 28-Sep. 1, 1997; Inlets plugged early Aug.-Sep. 5, 1997. Record is fair due to insufficient data. Transmountain diversions through the Continental-Hoosier Tunnel from May 18-Oct. 24, 1997 and through Boreas Pass Ditch from Jun. 12-Aug. 27, 1997. Station maintained by Scott Hummer and Judy Sappington, Records developed by Judy Sappington.

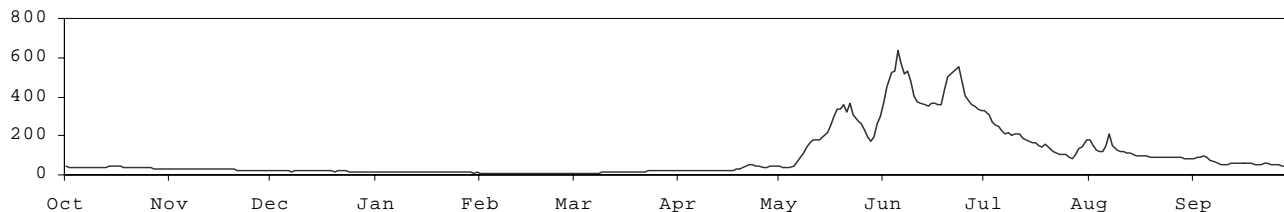
RATING TABLE.--BLUNINCO01 USED FROM 01-OCT-1996 TO 6-DEC-1996
 BLUNINCO02 USED FROM 07-DEC-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	32	20	16	11	9.5	22	44	365	326	177	82
2	41	32	20	16	11	10	23	41	448	303	147	93
3	40	31	19	16	11	10	24	38	525	271	128	92
4	40	31	19	16	11	10	24	38	534	254	119	95
5	39	31	19	15	10	11	24	46	635	246	121	88
6	38	31	21	15	11	11	23	65	571	228	150	76
7	38	30	18	15	11	11	21	93	518	212	212	66
8	38	29	19	15	10	11	21	115	533	216	146	59
9	37	29	20	15	11	12	21	139	475	201	125	53
10	36	29	20	15	10	12	21	165	406	207	119	56
11	35	29	21	15	10	12	20	177	372	209	117	54
12	35	29	20	15	10	12	20	178	365	189	112	57
13	39	29	21	15	10	13	19	177	360	182	109	60
14	42	29	20	14	10	13	19	194	355	173	105	57
15	42	28	20	14	10	13	19	217	369	168	100	57
16	42	28	19	14	10	14	20	252	365	167	95	60
17	42	28	19	14	10	14	22	302	356	150	94	62
18	41	28	19	14	10	14	27	335	357	145	94	59
19	40	27	19	14	10	15	32	339	433	157	93	56
20	41	27	18	13	9.8	15	37	362	504	142	93	56
21	41	26	19	13	9.5	17	47	318	516	123	90	56
22	36	24	19	13	9.5	18	52	363	538	111	89	58
23	34	23	19	13	9.5	20	49	309	556	107	88	59
24	34	22	18	12	9.5	22	45	279	475	104	88	56
25	34	21	18	12	9.0	22	42	264	401	103	87	52
26	34	20	18	12	9.5	20	40	235	378	91	89	49
27	33	20	17	12	9.5	20	40	197	359	85	90	48
28	30	20	17	12	9.5	21	42	174	351	107	87	48
29	32	20	17	12	---	21	44	194	340	138	85	46
30	32	20	17	11	---	21	45	263	331	143	83	44
31	32	---	17	12	---	21	---	301	---	177	81	---
TOTAL	1161	803	587	430	282.3	465.5	905	6214	13091	5435	3413	1854
MEAN	37.5	26.8	18.9	13.9	10.1	15.0	30.2	200	436	175	110	61.8
AC-FT	2300	1590	1160	853	560	923	1800	12330	25970	10780	6770	3680
MAX	43	32	21	16	11	22	52	363	635	326	212	95
MIN	30	20	17	11	9.0	9.5	19	38	331	85	81	44
CAL YR 1996 TOTAL		2551	MEAN	6.97	MAX	43	MIN	17	AC-FT	5060		
WTR YR 1997 TOTAL		34640.8	MEAN	94.9	MAX	635	MIN	9.0	AC-FT	68710		

MAX DISCH 699 CFS AT 0700 05-JUN-1997 GH 3.18 FT. SHIFT 0.00 FT. MAX GH 3.18 FT. AT 0700 05-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ROARING FORK RIVER BASIN

ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN, CO

LOCATION.--Lat 39°13'30", long 106°51'30", NE¼SE¼ sec. 34, T.9 S., R.85 W., Pitkin County, on left bank at Aspen Consolidated Sanitation Plant 0.5 mi east of Aspen Airport and 0.8 mi downstream from confluence of Maroon Creek.

DRAINAGE AREA.--N/A

GAGE.--Continuous water-stage recorder with satellite telemetry in 4'x6' concrete shelter. Control is a rock and cobble riffle(low flows)and boulders(high flows). Datum of gage is 7560 ft from topographic map.

REMARKS.--Record good. Gage height data is complete. Stage-discharge relation was affected by bottom ice Dec. 18-22, 1996. Transmountain diversions through Twin Lakes Tunnel from Apr. 24-Sep. 30, 1997. Hunter Tunnel's diversion is undetermined. Station maintained and records developed by Judy T. Sappington.

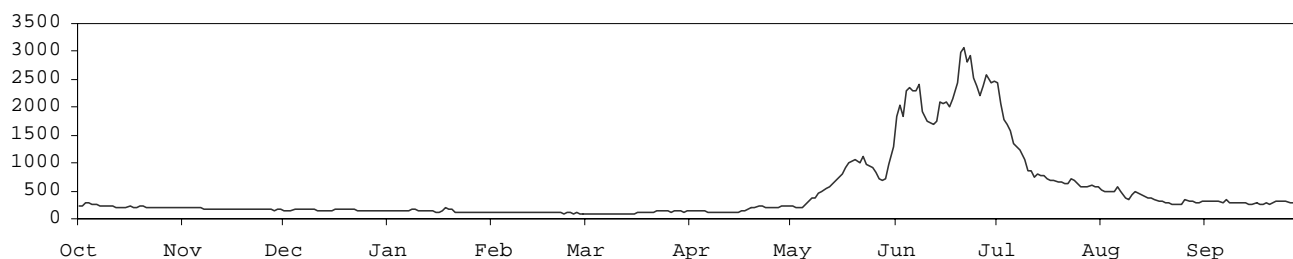
RATING TABLE.--ROABMCCO2 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	225	197	154	135	113	96	143	223	1830	2440	521	324
2	225	190	155	134	114	96	131	209	2040	2070	490	304
3	280	198	144	140	116	96	131	201	1840	1770	474	306
4	281	197	158	135	115	98	138	209	2290	1700	486	320
5	256	193	177	130	113	92	133	256	2340	1590	495	311
6	245	189	159	147	114	97	123	315	2300	1340	564	301
7	233	174	159	135	106	96	120	361	2290	1300	484	333
8	230	170	158	172	107	94	123	387	2420	1220	378	300
9	224	180	160	166	120	92	125	449	1930	1070	339	286
10	221	175	158	145	121	92	121	500	1740	853	440	283
11	218	173	157	134	119	94	118	556	1730	852	479	282
12	215	173	153	133	113	98	112	574	1680	758	472	283
13	211	170	150	131	109	99	114	618	1750	801	434	274
14	209	168	151	133	106	97	115	685	2080	761	413	263
15	213	174	138	127	106	97	122	746	2060	761	384	261
16	224	173	163	118	105	101	130	809	2100	727	363	287
17	212	160	163	150	104	104	154	920	2010	693	345	264
18	212	170	161	191	103	101	181	993	2150	692	329	265
19	227	170	160	178	101	103	192	1020	2440	669	311	273
20	231	171	160	165	102	113	213	1050	2980	656	286	272
21	202	167	159	127	101	127	243	1010	3070	640	275	283
22	199	179	158	122	96	133	228	1110	2820	628	269	321
23	207	181	157	122	106	141	212	962	2940	709	259	313
24	209	172	147	120	104	144	206	944	2530	689	252	322
25	211	165	152	123	100	132	193	915	2370	628	265	323
26	206	160	150	122	101	129	199	843	2200	582	358	283
27	200	161	148	120	99	135	194	731	2390	584	318	293
28	211	148	145	116	96	131	219	680	2570	585	302	276
29	212	161	142	119	---	141	234	730	2430	593	295	265
30	202	160	140	115	---	127	219	965	2470	563	291	262
31	201	---	138	115	---	134	---	1290	---	576	311	---
TOTAL	6852	5219	4774	4220	3010	3430	4886	21261	67790	29500	11682	8733
MEAN	221	174	154	136	108	111	163	686	2260	952	377	291
AC-FT	13590	10350	9470	8370	5970	6800	9690	42170	134500	58510	23170	17320
MAX	281	198	177	191	121	144	243	1290	3070	2440	564	333
MIN	199	148	138	115	96	92	112	201	1680	563	252	261
CAL YR 1996 TOTAL		153534	MEAN	419	MAX	2590	MIN	109	AC-FT	304500		
WTR YR 1997 TOTAL		171357	MEAN	469	MAX	3070	MIN	92	AC-FT	339900		

MAX DISCH 3683 CFS AT 0300 21-JUN-1997 GH 5.93 FT. SHIFT 0.31 FT. MAX GH 5.93 FT. AT 0300 21-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ROARING FORK RIVER BASIN

09077200 FRYING PAN RIVER NEAR IVANHOE LAKE, CO

LOCATION.--Lat 39°14'42", long 106°31'50", Unsurveyed Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2.0 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, Co.

DRAINAGE AREA.--18.7 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24 in corrugated metal well. Control is a 9.8 ft wide sharp crested concrete weir. Datum of gage is 9,945 ft from topographic map.

REMARKS.--Gage-height data is complete except when well was frozen Oct 21, 1996-May 15, 1997. Record is fair except for periods of no gage height data, which are poor. Transmountain diversions through Boustead Tunnel from May 9-Aug 25, 1997 and through Busk-Ivanhoe Tunnel from late May to early July. Station maintained and records developed by Judy T. Sappington.

RATING TABLE.--FRYIVLCO08 USED FROM 01-OCT-1996 TO 30-SEP-1997

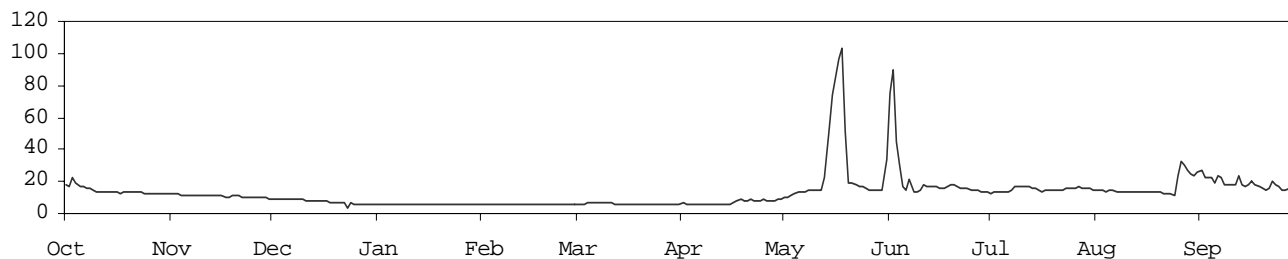
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	12	9.3	6.0	5.7	6.0	6.3	9.7	75	12	15	27
2	17	12	9.3	6.0	5.7	6.0	6.0	10	90	13	15	22
3	22	12	9.3	6.0	5.7	6.0	6.0	11	45	14	15	22
4	19	11	9.3	6.0	5.7	6.3	6.0	12	30	14	14	22
5	17	11	9.3	6.0	5.7	6.3	6.0	13	17	14	15	19
6	17	11	9.0	6.0	5.7	6.3	5.7	14	15	14	15	23
7	16	11	9.0	6.0	5.7	6.3	5.7	14	21	15	14	22
8	16	11	9.0	6.0	5.7	6.3	5.7	15	14	17	14	18
9	15	11	8.7	6.0	5.7	6.3	5.7	15	14	17	14	18
10	14	11	8.7	6.0	5.7	6.3	5.7	15	15	17	14	18
11	14	11	8.3	6.0	5.7	6.3	5.7	15	18	17	13	18
12	14	11	8.3	6.0	5.7	6.0	5.7	15	17	17	13	23
13	14	11	8.0	6.0	6.0	6.0	5.7	22	17	16	14	18
14	14	11	8.0	6.0	6.0	6.0	5.7	53	17	16	14	17
15	14	11	7.7	6.0	6.0	6.0	6.0	74	17	15	14	18
16	13	11	7.7	6.0	6.0	6.0	6.8	85	16	14	14	20
17	12	10	7.3	6.0	6.0	6.0	8.0	96	16	15	13	18
18	13	10	7.0	6.0	6.0	6.0	9.0	103	17	15	13	17
19	14	11	6.7	5.7	6.0	6.0	8.0	52	18	15	13	16
20	14	11	6.7	5.7	6.0	6.0	8.3	19	18	15	14	15
21	14	11	6.3	5.7	6.0	6.0	8.7	19	17	15	12	16
22	13	10	6.3	5.7	6.0	6.0	8.0	18	16	15	12	20
23	13	10	3.7	5.7	6.0	6.0	8.3	17	16	16	12	18
24	12	10	6.3	5.7	6.0	6.0	8.3	17	16	16	11	17
25	12	10	6.0	5.7	6.0	6.0	8.7	16	15	16	23	15
26	12	10	6.0	5.7	6.0	6.0	8.3	15	15	16	33	15
27	12	9.7	6.0	5.7	6.0	6.0	8.0	15	15	17	30	16
28	12	9.7	6.0	5.7	6.0	6.0	8.3	15	14	16	27	14
29	12	9.7	6.0	5.7	---	6.0	8.5	15	14	16	25	13
30	12	9.3	6.0	5.7	---	6.0	9.0	15	13	16	23	13
31	12	---	6.0	5.3	---	6.1	---	34	---	15	26	---
TOTAL	443	320.4	231.2	181.7	164.4	188.5	211.8	858.7	658	476	514	548
MEAN	14.3	10.7	7.46	5.86	5.87	6.08	7.06	27.7	21.9	15.4	16.6	18.3
AC-FT	879	636	459	360	326	374	420	1700	1310	944	1020	1090
MAX	22	12	9.3	6.0	6.0	6.3	9.0	103	90	17	33	27
MIN	12	9.3	3.7	5.3	5.7	6.0	5.7	9.7	13	12	11	13

CAL YR 1996 TOTAL 8500.2 MEAN 23.2 MAX 209 MIN 3.7 AC-FT 16860
WTR YR 1997 TOTAL 4795.7 MEAN 13.1 MAX 103 MIN 3.7 AC-FT 9510

MAX DISCH 156 CFS AT 2000 01-JUN-1997 GH 2.67 FT. SHIFT 0.08 FT. MAX GH 2.67 FT. AT 2000 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie, Co.

DRAINAGE AREA.--9.43 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24 in. corrugated metal well. Control is 120° v-notch weir(low flows) and 8' culvert(high flows). Datum of gage is 9,980 ft from topographic map.

REMARKS.--Gage-height data is complete except when paper did not advance and well was frozen Oct 01,1996-May 15, 1997 and equipment malfunctioned Jun 04-08 and Jul 02-11, 1997. Record is fair except for periods of no gage height data, which are poor. Transmountain diversions through Boustead Tunnel from May 9 - Aug 25 and through Busk-Ivanhoe Tunnel from late May to early July. Station maintained and records developed by Judy T. Sappington.

RATING TABLE.--IVCRNACO03 USED FROM 01-OCT-1996 TO 15-MAY-1997
IVCRNACO04 USED FROM 16-MAY-1997 TO 30-SEP-1997

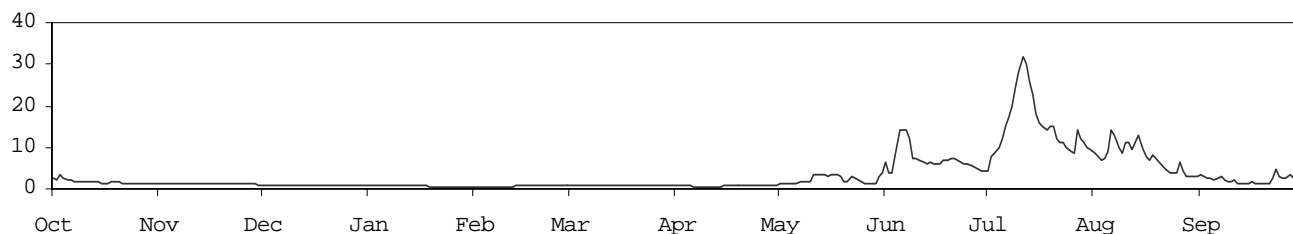
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	1.3	1.0	0.70	0.60	0.70	0.70	1.1	6.6	4.1	8.8	3.6
2	2.0	1.3	1.0	0.70	0.60	0.70	0.70	1.1	4.0	7.6	7.8	2.8
3	3.6	1.3	1.0	0.70	0.60	0.70	0.70	1.2	3.8	8.8	6.8	2.5
4	2.6	1.3	1.0	0.70	0.60	0.70	0.70	1.3	8.0	9.8	7.2	2.5
5	2.2	1.3	1.0	0.70	0.60	0.70	0.70	1.4	14	12	9.0	2.2
6	2.0	1.3	1.0	0.70	0.60	0.70	0.60	1.5	14	15	14	2.6
7	1.9	1.2	1.0	0.70	0.60	0.70	0.60	1.6	14	17	13	3.0
8	1.8	1.2	1.0	0.70	0.60	0.70	0.60	1.6	12	20	9.8	2.2
9	1.7	1.2	1.0	0.70	0.60	0.70	0.60	1.9	7.2	24	8.4	1.8
10	1.7	1.2	1.0	0.70	0.60	0.70	0.60	1.9	7.2	28	11	1.8
11	1.6	1.2	0.90	0.70	0.60	0.70	0.60	3.3	6.8	32	11	2.0
12	1.6	1.2	0.90	0.70	0.60	0.70	0.60	3.4	6.6	30	9.6	1.5
13	1.6	1.2	0.90	0.70	0.70	0.70	0.60	3.5	6.2	26	11	1.3
14	1.6	1.2	0.90	0.70	0.70	0.70	0.60	3.4	6.6	23	13	1.2
15	1.5	1.2	0.90	0.70	0.70	0.70	0.70	3.2	6.0	18	9.4	1.2
16	1.3	1.2	0.90	0.70	0.70	0.70	0.70	3.6	6.0	16	7.8	1.7
17	1.4	1.1	0.80	0.70	0.70	0.70	0.90	3.4	6.2	15	7.0	1.2
18	1.6	1.1	0.80	0.70	0.70	0.70	1.0	3.3	6.8	14	8.0	1.2
19	1.6	1.2	0.70	0.60	0.70	0.70	0.90	2.9	7.0	15	7.4	1.2
20	1.6	1.2	0.70	0.60	0.70	0.70	0.90	1.9	7.2	15	6.4	1.2
21	1.4	1.2	0.70	0.60	0.70	0.70	1.0	1.7	7.2	12	5.8	1.2
22	1.4	1.1	0.70	0.60	0.70	0.70	0.90	2.8	6.8	11	4.7	2.4
23	1.4	1.1	0.70	0.60	0.70	0.70	0.90	2.4	6.4	11	3.9	4.6
24	1.3	1.1	0.70	0.60	0.70	0.70	0.90	2.0	6.2	10	3.7	3.2
25	1.4	1.1	0.70	0.60	0.70	0.70	1.0	1.8	6.2	9.2	3.9	2.5
26	1.4	1.1	0.70	0.60	0.70	0.70	0.90	1.5	5.4	8.6	6.4	2.5
27	1.3	1.1	0.70	0.60	0.70	0.70	0.90	1.3	5.2	14	4.1	3.5
28	1.4	1.1	0.70	0.60	0.70	0.70	0.90	1.2	4.6	12	3.2	2.6
29	1.4	1.1	0.70	0.60	---	0.70	0.90	1.4	4.1	11	3.0	2.2
30	1.3	1.0	0.70	0.60	---	0.70	1.0	3.2	4.1	9.8	2.8	2.2
31	1.3	---	0.70	0.60	---	0.70	---	3.7	---	9.4	3.2	---
TOTAL	52.5	35.4	26.10	20.40	18.40	21.70	23.30	69.5	212.4	468.3	231.1	65.6
MEAN	1.69	1.18	0.84	0.66	0.66	0.70	0.78	2.24	7.08	15.1	7.45	2.19
AC-FT	104	70	52	40	36	43	46	138	421	929	458	130
MAX	3.6	1.3	1.0	0.70	0.70	0.70	1.0	3.7	14	32	14	4.6
MIN	1.3	1.0	0.70	0.60	0.60	0.70	0.60	1.1	3.8	4.1	2.8	1.2

CAL YR 1996 TOTAL 2242.52 MEAN 6.13 MAX 82 MIN 0.29 AC-FT 4450
WTR YR 1997 TOTAL 1244.70 MEAN 3.41 MAX 32 MIN 0.60 AC-FT 2470

MAX DISCH 34 CFS AT 0925 11-JUL-1997 GH 1.83 FT. SHIFT 0.04 FT. MAX GH 1.83 FT. AT 0925 11-JUL-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYING PAN RIVER AT UPPER STATION, NEAR NORRIE, CO

LOCATION.--Lat 39°14'20", long 106°35'24", Unsurveyed Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam, 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, Co.

DRAINAGE AREA.--11.5 mi².

GAGE.--Graphic water-stage recorder in metal box mounted on a 4 in steel pipe well. Control is 6.2 ft wide sharp crested concrete weir. Datum of gage is 9,990 ft from topographic map.

REMARKS.--Gage-height data is complete except when well was frozen Oct 17, 1996-Apr 02, 1997 and malfunctioning equipment Apr 13-May 22, 1997. Record is good except for periods of no gage height data, which are poor. Transmountain diversions through Boustead Tunnel from May 9-Aug 25 and through Busk-Ivanhoe Tunnel from late May to early July. Station maintained and records developed by Judy T. Sappington.

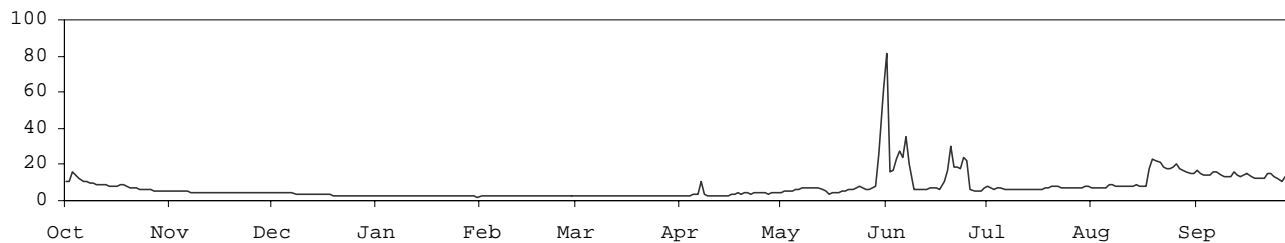
RATING TABLE.--FRYSFU007 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	5.3	4.2	2.7	2.4	2.5	2.8	4.7	81	8.4	7.3	17
2	11	5.4	4.2	2.7	2.4	2.5	2.8	5.0	16	7.1	7.3	15
3	16	5.3	4.2	2.7	2.4	2.5	2.5	5.3	17	6.2	7.3	14
4	14	5.1	4.2	2.7	2.4	2.6	2.6	5.6	23	6.9	7.3	14
5	12	5.1	4.2	2.7	2.4	2.6	3.1	6.3	27	6.7	7.3	14
6	11	5.1	4.1	2.6	2.4	2.6	3.3	6.6	24	6.4	8.9	16
7	11	4.8	4.1	2.5	2.4	2.6	11	6.8	35	6.2	8.9	16
8	10	4.8	3.9	2.5	2.4	2.6	3.7	7.1	20	6.4	8.0	14
9	9.6	4.8	3.9	2.5	2.4	2.6	2.6	6.9	6.2	6.4	8.0	13
10	9.1	4.8	3.9	2.5	2.4	2.6	2.5	7.0	6.4	6.4	8.2	13
11	8.9	4.8	3.8	2.5	2.4	2.6	2.5	7.4	6.4	6.4	8.0	13
12	8.9	4.8	3.8	2.5	2.4	2.5	2.5	7.2	6.0	6.4	8.0	16
13	8.6	4.8	3.6	2.5	2.5	2.5	2.6	6.4	6.2	6.2	8.2	14
14	8.4	4.8	3.6	2.5	2.5	2.5	2.7	5.2	7.1	6.2	8.6	13
15	8.4	4.8	3.5	2.5	2.5	2.5	2.9	3.3	6.7	6.2	8.4	14
16	7.8	4.8	3.5	2.5	2.5	2.5	3.2	4.0	6.7	6.2	8.0	15
17	9.2	4.7	3.3	2.5	2.5	2.5	3.9	4.4	6.4	6.2	8.0	13
18	8.9	4.7	3.2	2.5	2.5	2.5	4.4	4.8	11	6.7	18	12
19	8.1	4.8	3.0	2.4	2.5	2.5	3.9	5.2	17	7.3	23	12
20	7.4	4.8	3.0	2.4	2.5	2.5	4.0	5.6	30	7.6	22	12
21	7.1	4.8	2.9	2.4	2.5	2.5	4.2	6.0	19	7.6	21	12
22	6.8	4.7	2.9	2.4	2.5	2.5	3.9	6.4	19	7.6	19	15
23	6.4	4.7	3.0	2.4	2.5	2.5	4.0	7.1	18	7.3	18	15
24	6.2	4.7	2.7	2.4	2.5	2.5	4.0	7.6	24	7.3	18	13
25	5.9	4.5	2.7	2.4	2.5	2.5	4.2	7.1	22	7.3	19	12
26	5.8	4.5	2.7	2.4	2.5	2.5	4.0	6.4	6.0	7.3	20	11
27	5.7	4.4	2.7	2.4	2.5	2.5	3.9	6.2	5.6	7.3	18	13
28	5.6	4.4	2.7	2.4	2.5	2.5	4.0	7.1	5.6	7.3	17	12
29	5.6	4.4	2.7	2.4	---	2.5	4.1	8.2	5.6	7.3	16	11
30	5.4	4.2	2.7	2.4	---	2.5	4.4	26	7.1	7.6	15	10
31	5.4	---	2.7	2.2	---	2.5	---	62	---	7.6	15	---
TOTAL	265.2	143.6	105.6	77.1	68.8	78.3	110.2	264.9	491.0	214.0	394.7	404
MEAN	8.55	4.79	3.41	2.49	2.46	2.53	3.67	8.55	16.4	6.90	12.7	13.5
AC-FT	526	285	209	153	136	155	219	525	974	424	783	801
MAX	16	5.4	4.2	2.7	2.5	2.6	11	62	81	8.4	23	17
MIN	5.4	4.2	2.7	2.2	2.4	2.5	2.5	3.3	5.6	6.2	7.3	10
CAL YR 1996 TOTAL		5250.3	MEAN	14.3	MAX	158	MIN	2.7	AC-FT	10410		
WTR YR 1997 TOTAL		2617.4	MEAN	7.17	MAX	81	MIN	2.2	AC-FT	5190		

MAX DISCH 126 CFS AT 1230 01-JUN-1997 GH 4.37 FT. SHIFT 0.02 FT. MAX GH 4.37 FT. AT 1230 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO

LOCATION.--Lat 39°15'51", long 106°37'54", Unsurveyed Pitkin County, Hydrologic Unit 14010004, on right bank 700 ft downstream from Chapman diversion tunnel, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, Co.

DRAINAGE AREA.--5.96 mi².

GAGE.--Graphic water-stage recorder contained in wooden box mounted on 30" metal pipe well. Control is 120° v-notch, sharp crested weir (low flows) and channel (high flows). Datum of gage is 9,982.76 ft.

REMARKS.--Gage-height data is complete except when well was ice affected Dec 07-Dec 22, 1996; recorder ran out of paper Jan 06-Apr 01, 1997 and chart paper not advancing Apr 22-May 20 and Aug 01-Sep 30, 1997. Record is good except for periods of no gage height data, which are poor. Transmountain diversions through Boustead Tunnel from May 9 - Aug 25 and through Busk-Ivanhoe Tunnel from late May to early July. Station maintained and records developed by Judy T. Sappington.

RATING TABLE.--CHAGULCO05 USED FROM 01-OCT-1996 TO 30-SEP-1997

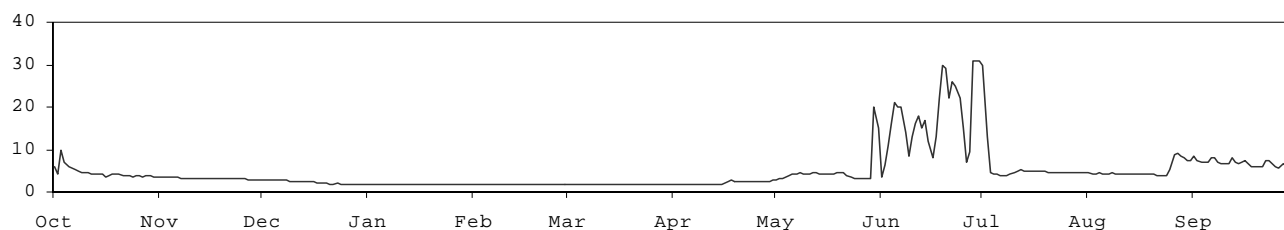
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	3.5	2.8	1.8	1.7	1.8	1.9	2.9	3.4	30	4.4	8.5
2	4.1	3.6	2.8	1.8	1.7	1.8	1.8	3.1	6.3	13	4.3	7.5
3	9.8	3.5	2.8	1.8	1.7	1.8	1.8	3.3	11	4.5	4.3	7.0
4	6.9	3.4	2.8	1.8	1.7	1.9	1.8	3.5	16	4.3	4.4	7.0
5	5.9	3.4	2.8	1.8	1.7	1.9	1.8	3.9	21	4.1	4.3	7.0
6	5.5	3.4	2.7	1.8	1.7	1.9	1.7	4.1	20	4.0	4.3	8.0
7	5.1	3.2	2.7	1.8	1.7	1.9	1.7	4.2	20	4.0	4.3	8.0
8	4.9	3.2	2.7	1.8	1.7	1.9	1.7	4.4	14	3.9	4.4	7.0
9	4.6	3.2	2.6	1.8	1.7	1.9	1.7	4.2	8.3	4.3	4.3	6.5
10	4.5	3.2	2.6	1.8	1.7	1.9	1.7	4.1	13	4.4	4.3	6.5
11	4.4	3.2	2.5	1.8	1.7	1.9	1.7	4.2	16	4.8	4.3	6.5
12	4.3	3.2	2.5	1.8	1.7	1.8	1.7	4.4	18	5.1	4.3	8.0
13	4.2	3.2	2.4	1.8	1.8	1.8	1.7	4.4	15	5.0	4.2	7.0
14	4.2	3.2	2.4	1.8	1.8	1.8	1.7	4.3	17	4.9	4.3	6.5
15	4.1	3.2	2.3	1.8	1.8	1.8	1.8	4.3	12	4.8	4.2	7.0
16	3.6	3.2	2.3	1.8	1.8	1.8	2.0	4.2	7.9	4.8	4.2	7.5
17	3.9	3.1	2.2	1.8	1.8	1.8	2.4	4.3	13	4.8	4.1	6.5
18	4.3	3.1	2.1	1.8	1.8	1.8	2.7	4.3	22	4.8	4.1	6.0
19	4.3	3.2	2.0	1.7	1.8	1.8	2.4	4.4	30	4.8	4.1	6.0
20	4.2	3.2	2.0	1.7	1.8	1.8	2.5	4.4	29	4.7	4.1	6.0
21	3.9	3.2	1.9	1.7	1.8	1.8	2.6	4.4	22	4.6	4.0	6.0
22	3.9	3.1	1.9	1.7	1.8	1.8	2.4	4.0	26	4.6	4.0	7.5
23	3.9	3.1	2.0	1.7	1.8	1.8	2.5	3.4	25	4.6	4.0	7.5
24	3.6	3.1	1.8	1.7	1.8	1.8	2.5	3.2	22	4.6	3.9	6.5
25	3.7	3.0	1.8	1.7	1.8	1.8	2.6	3.0	15	4.5	5.2	6.0
26	3.7	3.0	1.8	1.7	1.8	1.8	2.5	3.1	7.0	4.4	8.9	5.5
27	3.6	2.9	1.8	1.7	1.8	1.8	2.4	3.1	9.4	4.5	9.0	6.5
28	3.7	2.9	1.8	1.7	1.8	1.8	2.5	3.1	31	4.5	8.5	6.0
29	3.7	2.9	1.8	1.7	---	1.8	2.6	3.2	31	4.5	8.0	5.5
30	3.6	2.8	1.8	1.7	---	1.8	2.7	20	31	4.4	7.5	5.0
31	3.6	---	1.8	1.6	---	1.8	---	15	---	4.4	7.5	---
TOTAL	139.5	95.4	70.2	54.4	49.2	56.6	63.5	146.4	532.3	174.6	155.7	202.0
MEAN	4.50	3.18	2.26	1.75	1.76	1.83	2.12	4.72	17.7	5.63	5.02	6.73
AC-FT	277	189	139	108	98	112	126	290	1060	346	309	401
MAX	9.8	3.6	2.8	1.8	1.8	1.9	2.7	20	31	30	9.0	8.5
MIN	3.6	2.8	1.8	1.6	1.7	1.8	1.7	2.9	3.4	3.9	3.9	5.0

CAL YR 1996 TOTAL 2776.7 MEAN 7.59 MAX 77 MIN 1.8 AC-FT 5510
WTR YR 1997 TOTAL 1739.8 MEAN 4.77 MAX 31 MIN 1.6 AC-FT 3450

MAX DISCH 79 CFS AT 1730 19-JUN-1997 GH 3.51 FT. SHIFT 0.02 FT. MAX GH 3.51 FT. AT 1730 19-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYING PAN RIVER NEAR NORRIE, CO

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in 42-inch corrugated metal well. Control is natural channel(low flows) and boulders(high flows). Datum of gage is 8,330 ft from topographic map.

REMARKS.--Gage-height data is complete except when well was ice affected, Oct 7-18, 1996 and frozen, Nov 08, 1996-Apr 15, 1997. Record is good except for periods of ice effect, which are poor. Transmountain diversions through Boustead Tunnel from May 9 - Aug 25 and through Busk-Ivanhoe Tunnel from late May to early July. Station maintained and record developed by Judy T. Sappington.

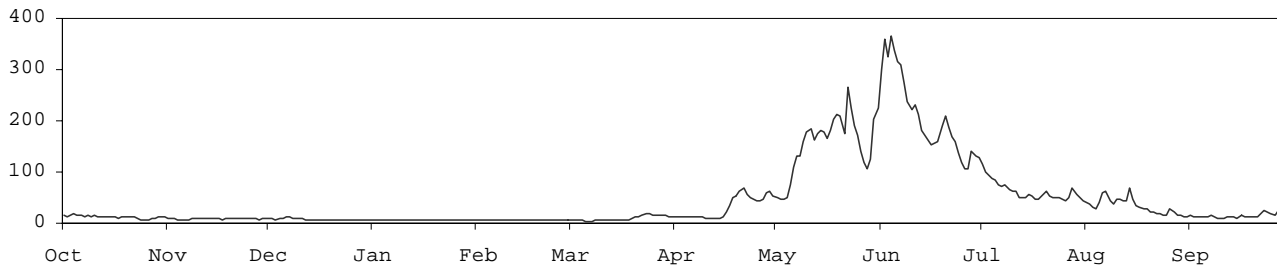
RATING TABLE.--FRYFNCO09 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	9.3	8.0	6.0	5.0	5.0	14	50	300	117	41	15
2	14	9.8	8.0	6.0	5.0	5.0	13	48	360	99	37	14
3	17	8.3	7.0	6.0	5.0	5.0	13	46	326	94	32	12
4	20	6.7	8.0	6.0	5.0	5.0	14	50	365	89	29	12
5	17	7.1	10	6.0	5.0	4.0	13	76	338	83	41	12
6	16	6.9	12	6.0	5.0	4.0	12	109	316	76	58	11
7	14	7.3	12	6.0	5.0	4.0	11	131	310	72	64	16
8	15	9.0	10	6.0	5.0	5.0	11	131	275	75	43	12
9	14	9.0	9.0	6.0	5.0	5.0	11	159	239	66	36	10
10	15	8.0	8.0	6.0	5.0	5.0	10	178	222	62	48	9.5
11	14	8.0	8.0	6.0	5.0	5.0	10	183	231	62	46	9.5
12	13	8.0	7.0	6.0	5.0	5.0	9.0	161	211	50	44	14
13	13	9.0	7.0	6.0	5.0	6.0	9.0	175	180	51	43	13
14	12	8.0	6.0	6.0	5.0	6.0	9.0	180	172	51	69	11
15	12	9.0	6.0	6.0	5.0	6.0	12	177	161	55	46	10
16	11	8.0	7.0	5.0	5.0	6.0	23	167	154	53	34	16
17	9.5	7.0	7.0	6.0	5.0	7.0	35	180	156	46	31	14
18	11	9.0	7.0	6.0	5.0	7.0	51	204	159	47	28	12
19	12	9.0	7.0	6.0	5.0	9.0	54	211	190	56	27	12
20	13	9.0	7.0	6.0	5.0	11	64	208	208	61	23	11
21	11	8.0	7.0	6.0	5.0	14	70	175	187	54	21	11
22	12	9.0	7.0	5.0	5.0	17	57	265	170	49	20	18
23	10	9.0	7.0	5.0	5.0	19	50	226	159	50	18	26
24	7.7	8.0	6.0	5.0	5.0	19	46	190	138	50	17	22
25	6.5	8.0	6.0	5.0	5.0	15	43	172	120	48	17	19
26	7.7	8.0	6.0	5.0	5.0	15	45	142	107	43	27	17
27	8.1	8.0	6.0	5.0	5.0	16	46	119	107	50	21	24
28	8.9	6.0	6.0	5.0	5.0	15	60	107	140	68	17	20
29	12	8.0	6.0	5.0	---	15	61	124	131	56	15	17
30	14	8.0	6.0	5.0	---	14	54	204	128	50	14	15
31	11	---	6.0	5.0	---	14	---	226	---	45	13	---
TOTAL	386.4	245.4	230.0	175.0	140.0	288.0	930.0	4774	6260	1928	1020	435.0
MEAN	12.5	8.18	7.42	5.65	5.00	9.29	31.0	154	209	62.2	32.9	14.5
AC-FT	766	487	456	347	278	571	1840	9470	12420	3820	2020	863
MAX	20	9.8	12	6.0	5.0	19	70	265	365	117	69	26
MIN	6.5	6.0	6.0	5.0	5.0	4.0	9.0	46	107	43	13	9.5
CAL YR 1996 TOTAL	22265.2		MEAN	60.8	MAX	532	MIN	4.3	AC-FT	44160		
WTR YR 1997 TOTAL	16811.8		MEAN	46.1	MAX	365	MIN	4.0	AC-FT	33350		

MAX DISCH 464 CFS AT 0200 02-JUN-1997 GH 4.61 FT. SHIFT 0.05 FT. MAX GH 4.61 FT. AT 0200 02-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ROARING FORK RIVER BASIN

09078600 FRYING PAN RIVER NEAR THOMASVILLE, CO

LOCATION.--Lat 39°20'41", long 106°40'23", in NW¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on right bank 400 ft upstream from private bridge, 400 ft downstream from North Fork, 1.6 mi southeast of Thomasville, and 1.7 mi northwest of Norrie.

DRAINAGE AREA.--134 mi².

GAGE.--Water-stage recorder with satellite telemetry in 42-inch metal pipe shelter with supplemental outside staff gage. Control is a 100-ft. wide concrete dam 10 ft. below gage. Datum of gage is 8,210 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is good. Gage-height data complete. Inlets were plugged July 6-17, 1997. Transmountain diversions through Boustead Tunnel from May 9,-Aug. 25, 1997; Busk-Ivanhoe Tunnel from late May to early July. Station maintained and records developed by Judy T. Sappington.

RATING TABLE.--FRYTHOCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

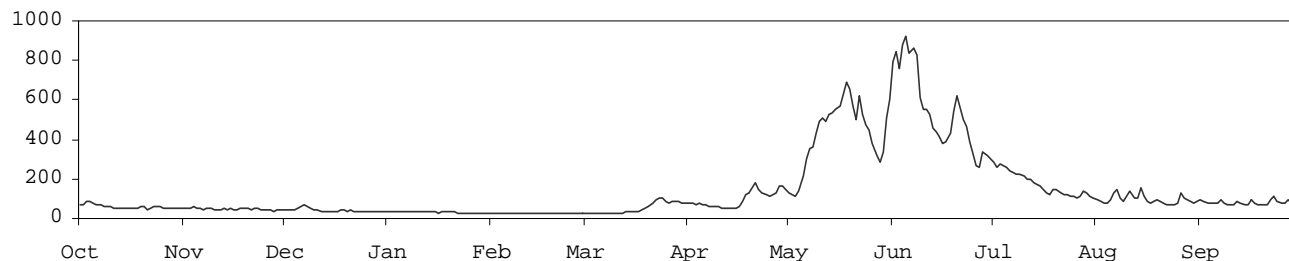
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	54	43	34	28	25	80	132	792	288	95	94
2	68	48	42	33	28	25	74	119	844	258	87	86
3	87	55	40	35	29	25	73	116	759	275	80	78
4	87	57	46	35	28	25	78	136	878	269	76	75
5	76	54	53	32	28	24	71	219	922	255	95	76
6	70	50	64	35	28	24	65	298	835	242	132	76
7	65	40	65	35	28	24	60	351	859	236	144	94
8	62	51	57	35	28	25	60	363	826	227	100	74
9	60	50	48	34	30	25	59	435	613	223	86	68
10	58	45	42	34	30	25	57	493	554	215	113	67
11	55	44	40	35	30	26	54	511	553	200	140	68
12	52	47	38	36	29	28	52	492	525	197	101	89
13	50	48	37	35	28	31	51	526	461	182	107	74
14	50	47	36	33	27	33	50	538	439	169	154	70
15	50	48	34	31	27	33	55	552	416	160	108	68
16	53	46	37	30	26	36	64	572	383	144	89	91
17	52	40	36	32	26	38	88	627	384	130	80	76
18	51	50	41	33	26	40	121	687	433	121	85	69
19	63	48	42	33	26	48	133	657	545	144	91	69
20	64	49	38	33	26	59	156	570	621	147	82	67
21	46	47	39	31	26	79	179	496	560	127	75	67
22	51	50	38	30	25	97	149	624	500	118	73	94
23	59	51	38	29	26	106	129	527	463	122	70	108
24	57	46	36	29	26	106	121	474	387	115	66	88
25	58	45	35	29	26	84	111	445	327	111	75	78
26	55	44	35	30	26	81	119	379	267	101	127	74
27	54	42	35	30	26	89	127	316	255	115	106	94
28	54	33	35	29	25	83	166	288	339	142	94	80
29	56	44	33	29	---	83	167	339	321	126	87	72
30	56	44	35	28	---	76	145	507	304	115	81	67
31	56	---	34	29	---	78	---	606	---	105	82	---
TOTAL	1845	1417	1272	996	762	1581	2914	13395	16365	5379	2981	2351
MEAN	59.5	47.2	41.0	32.1	27.2	51.0	97.1	432	546	174	96.2	78.4
AC-FT	3660	2810	2520	1980	1510	3140	5780	26570	32460	10670	5910	4660
MAX	87	57	65	36	30	106	179	687	922	288	154	108
MIN	46	33	33	28	25	24	50	116	255	101	66	67

CAL YR 1996 TOTAL 58718 MEAN 160 MAX 1220 MIN 24 AC-FT 116500
WTR YR 1997 TOTAL 51258 MEAN 140 MAX 922 MIN 24 AC-FT 101700

MAX DISCH 1200 CFS AT 0045 05-JUN-1997 GH 4.10 FT. SHIFT 0.00 FT. MAX GH 4.10 FT. AT 0045 05-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ROARING FORK RIVER BASIN

09080100 FRYING PAN RIVER AT MEREDITH, CO

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec. 11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, 0.1 mi downstream from Waterbury Creek, and 0.7 mi downstream from Jakeman Creek.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in a 42-inch corrugated metal well. Control is natural channel (high flows) rock and cobble (low flows). Datum of gage is 7,780 ft from topographic map.

REMARKS.--Record is good. Gage-height data is complete except for the following periods: Well was iced or frozen Nov. 29, 1996-Apr. 08, 10-15, 1997. Transmountain diversions through Boustead Tunnel from May 9-Aug. 25, 1997 and through Busk-Ivanhoe Tunnel from late May to early July. Station maintained and records developed by Judy T. Sappington.

RATING TABLE.--FRYMERCO04 USED FROM 01-OCT-1996 TO 30-SEP-1997

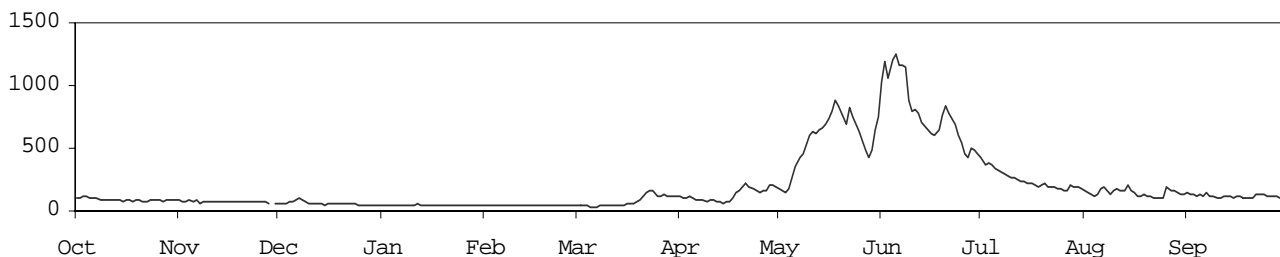
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	83	63	50	41	37	118	179	1030	427	156	142
2	99	72	62	49	41	37	109	164	1190	366	142	135
3	114	78	59	51	43	37	107	153	1060	380	130	130
4	120	85	68	51	41	37	115	176	1200	366	125	125
5	110	78	78	47	41	35	104	262	1250	344	137	128
6	103	82	94	51	41	35	95	358	1160	323	179	123
7	97	64	96	51	41	35	91	431	1160	302	197	140
8	94	77	84	51	41	37	87	451	1140	291	156	123
9	92	80	71	50	44	37	78	534	876	284	137	112
10	89	74	62	50	44	37	82	604	794	272	156	105
11	85	70	59	51	44	38	82	633	806	262	173	105
12	83	74	56	53	43	41	77	622	776	248	159	123
13	82	75	54	51	41	46	69	650	704	239	162	118
14	82	72	53	49	40	49	66	662	674	235	200	112
15	80	77	50	46	40	49	72	692	644	226	164	105
16	83	77	54	44	38	53	80	734	616	216	142	125
17	83	75	53	47	38	56	108	794	599	206	125	118
18	78	80	53	43	38	59	150	882	644	194	125	110
19	94	75	62	43	38	71	167	843	758	210	128	108
20	95	77	56	43	38	87	191	782	843	219	125	105
21	78	72	57	46	38	116	226	698	782	194	112	103
22	78	78	56	44	37	143	194	818	728	188	110	128
23	89	78	56	43	38	156	173	752	692	191	105	137
24	82	74	53	43	38	156	162	686	604	182	99	128
25	87	70	51	43	38	124	145	639	544	176	101	120
26	83	70	51	44	38	119	156	561	456	164	188	114
27	80	69	51	44	38	131	162	487	427	164	167	125
28	82	61	51	43	37	122	206	431	497	206	156	116
29	87	---	49	43	---	122	213	482	482	191	140	110
30	83	65	51	41	---	112	191	644	456	185	132	103
31	85	---	50	43	---	115	---	746	---	170	132	---
TOTAL	2780	2162	1863	1448	1118	2329	3876	17550	23592	7621	4460	3576
MEAN	89.7	74.6	60.1	46.7	39.9	75.1	129	566	786	246	144	119
AC-FT	5510	4290	3700	2870	2220	4620	7690	34810	46790	15120	8850	7090
MAX	120	85	96	53	44	156	226	882	1250	427	200	142
MIN	78	61	49	41	37	35	66	153	427	164	99	103

CAL YR 1996 TOTAL 85352 MEAN 233 MAX 1670 MIN 35 AC-FT 169300
WTR YR 1997 TOTAL 72375 MEAN 198 MAX 1250 MIN 35 AC-FT 143600

MAX DISCH 1536 CFS AT 0300 05-JUN-1997 GH 4.87 FT. SHIFT 9877.00 FT. MAX GH 4.87 FT. AT 0300 05-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, Hydrologic Unit 14010004 on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Frying Pan River and 4.6 mi west of Meredith.

DRAINAGE AREA.--12.3 mi².

GAGE.--Graphic water-stage recorder in a 42 in corrugated metal well with satellite telemetry mounted on top of Ruedi Dam. Control is v-notch, sharp crested weir. Datum of gage is 7,494.50 ft.

REMARKS.--Gage-height data is complete. Beaver activity occurred throughout the winter with weekly visits to clear control. Discharge for periods of beaver activity was estimated on the basis of historic records and partial day records. Record is fair due to no measurements. Station maintained and records developed by Judy T. Sappington

RATING TABLE.--RFCMERC001 USED FROM 01-OCT-1996 TO 30-SEP-1997

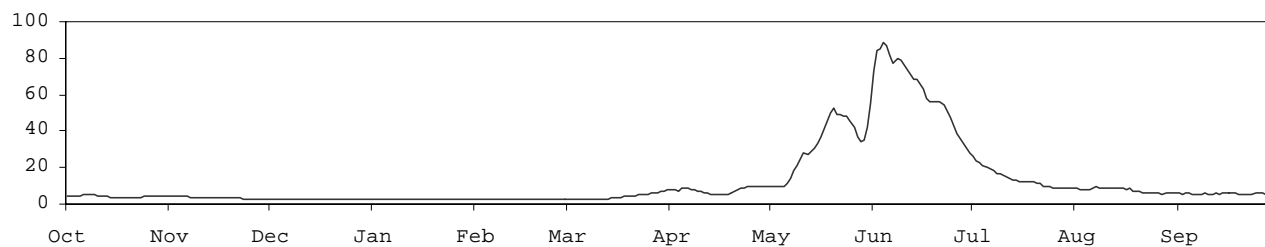
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	4.1	2.8	2.8	3.0	2.7	7.8	10	73	26	8.4	6.5
2	4.5	4.0	2.8	2.8	3.0	2.7	7.8	10	84	24	8.1	5.7
3	4.8	4.0	2.8	2.8	3.0	2.7	7.4	10	85	23	7.8	5.9
4	4.3	4.0	2.8	3.0	3.0	2.7	8.4	10	89	21	7.8	6.0
5	4.3	4.0	2.8	3.0	3.0	2.7	8.4	10	87	20	7.8	5.7
6	5.3	4.0	2.8	3.0	3.0	2.7	8.4	11	82	19	8.4	5.6
7	5.6	3.8	2.8	3.0	3.0	2.7	7.8	14	77	18	9.5	5.7
8	5.2	3.8	2.8	3.0	3.0	2.7	7.5	18	80	17	8.8	5.7
9	5.6	3.8	2.8	3.0	3.0	2.7	7.0	21	79	17	8.8	6.0
10	4.0	3.8	2.8	3.0	2.8	2.7	6.8	25	76	16	8.4	5.6
11	4.1	3.6	2.8	3.0	2.8	2.7	6.5	28	74	15	9.1	5.4
12	4.2	3.6	2.8	3.0	2.8	2.8	6.1	27	71	14	8.4	5.8
13	4.3	3.6	2.8	3.0	2.8	3.0	5.7	29	68	13	8.4	5.7
14	3.8	3.6	2.8	3.0	2.8	3.2	5.5	31	68	13	9.1	5.9
15	3.7	3.4	2.8	3.0	2.8	3.4	5.1	33	66	12	8.4	6.1
16	3.7	3.4	2.8	3.0	2.8	3.6	5.0	37	63	12	7.8	6.1
17	3.7	3.4	2.8	3.0	2.8	3.8	5.3	41	58	12	8.4	6.0
18	3.6	3.4	2.8	3.0	2.8	4.0	5.7	46	56	12	7.1	5.8
19	3.8	3.4	2.8	3.0	2.8	4.3	6.0	50	56	12	6.8	5.4
20	3.8	3.2	2.8	3.0	2.8	4.5	6.9	53	56	11	6.7	5.2
21	3.8	3.2	2.8	3.0	2.7	4.7	8.3	49	56	11	6.4	5.1
22	3.8	3.2	2.8	3.0	2.7	5.0	8.9	49	54	10	6.2	5.3
23	3.8	3.0	2.8	3.0	2.7	5.2	9.1	48	51	10	6.1	5.3
24	4.1	3.0	2.8	3.0	2.7	5.5	9.7	48	47	10	6.0	5.8
25	4.3	3.0	2.8	3.0	2.7	5.7	10	46	43	9.1	6.0	6.0
26	4.4	3.0	2.8	3.0	2.7	6.0	10	42	39	8.8	5.9	6.0
27	4.6	3.0	2.8	3.0	2.7	6.2	9.8	37	36	8.8	5.7	5.6
28	4.6	3.0	2.8	3.0	2.7	6.5	9.8	34	33	8.8	6.1	5.4
29	4.0	2.8	2.8	3.0	---	7.1	10	35	31	8.8	6.2	5.4
30	4.0	2.8	2.8	3.0	---	7.4	10	42	28	8.4	6.3	5.2
31	4.0	---	2.8	3.0	---	7.8	---	55	---	8.4	6.5	---
TOTAL	132.3	103.9	86.8	92.4	79.4	129.4	230.7	999	1866	429.1	231.4	170.9
MEAN	4.27	3.46	2.80	2.98	2.84	4.17	7.69	32.2	62.2	13.8	7.46	5.70
AC-FT	262	206	172	183	157	257	458	1980	3700	851	459	339
MAX	5.6	4.1	2.8	3.0	3.0	7.8	10	55	89	26	9.5	6.5
MIN	3.6	2.8	2.8	2.8	2.7	2.7	5.0	10	28	8.4	5.7	5.1

CAL YR 1996 TOTAL 4174.2 MEAN 11.4 MAX 66 MIN 2.2 AC-FT 8280
WTR YR 1997 TOTAL 4551.3 MEAN 12.5 MAX 89 MIN 2.7 AC-FT 9030

MAX DISCH 95 CFS AT 2000 04-JUN-1997 GH 1.73 FT. SHIFT -0.03 FT. MAX GH 1.73 FT. AT 2000 04-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



YAMPA RIVER BASIN

WILLOW CREEK BELOW STEAMBOAT LAKE

LOCATION.--Lat 40°47'28", long 106°56'40", in sec. 29, T.10 N., R.85 W., in Routt County. 50 feet below the outlet of Steamboat Lake.

DRAINAGE AREA.--35.5 mi².

GAGE.--Float driven satellite telemetry. Approximate elevation of gage is 7950 feet.

REMARKS.--Record is complete & reliable. Unpublished data collected by DWR & DPOR personnel starting in 1979. Records developed by Kent Holt. Rating extended above 249 cfs.

RATING TABLE.--WILBSLCO USED FROM 01-OCT-1996 TO 30-SEP-1997

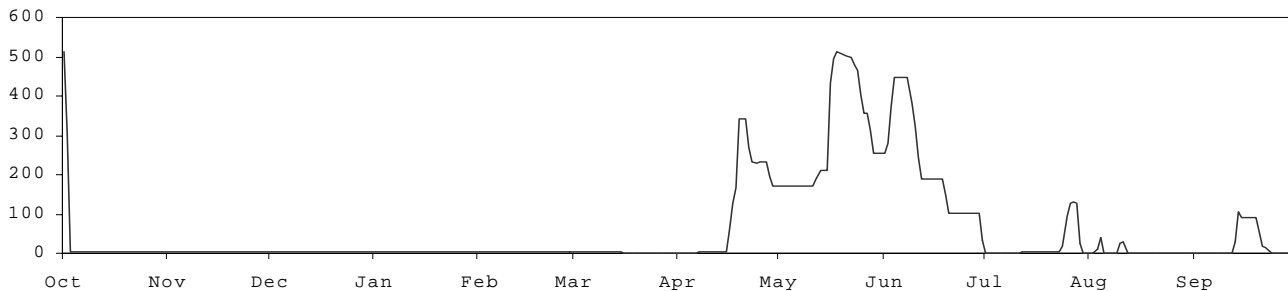
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	513	4.2	4.2	4.2	4.2	3.9	0.10	172	255	0.74	0.04	0.05
2	305	4.2	4.2	4.2	4.2	3.9	0.10	172	281	0.09	0.04	0.05
3	4.2	4.2	4.2	4.2	4.2	3.9	0.10	172	376	0.08	12	0.05
4	4.2	4.2	4.2	4.2	4.2	3.9	0.74	172	447	0.07	41	0.05
5	4.2	4.2	4.2	4.2	4.2	3.9	1.4	172	447	0.07	0.04	0.04
6	4.2	4.2	4.2	4.2	4.2	3.9	1.7	172	447	0.07	0.04	0.04
7	4.2	4.2	4.2	4.2	4.2	3.9	2.0	172	447	0.08	0.04	0.04
8	4.2	4.2	4.2	4.2	4.2	3.9	2.0	172	447	0.10	0.04	0.04
9	4.2	4.2	4.2	4.2	4.2	3.3	2.0	172	380	0.74	0.04	0.04
10	4.2	4.2	4.2	4.2	4.2	2.3	2.0	172	325	1.1	25	0.04
11	4.2	4.2	4.2	4.2	4.2	2.0	2.0	172	243	1.7	29	0.04
12	4.2	4.2	4.2	4.2	4.2	2.0	2.0	189	189	2.0	0.05	0.04
13	4.2	4.2	4.2	4.2	4.2	2.0	2.0	210	189	2.3	0.05	30
14	4.2	4.2	4.2	4.2	4.2	2.0	2.0	210	189	2.3	0.05	106
15	4.2	4.2	4.2	4.2	4.2	2.0	2.0	212	189	2.3	0.05	90
16	4.2	4.2	4.2	4.2	4.2	0.74	61	433	189	2.3	0.05	90
17	4.2	4.2	4.2	4.2	4.2	0.08	129	494	189	2.3	0.05	90
18	4.2	4.2	4.2	4.2	4.2	0.08	167	513	189	2.0	0.05	90
19	4.2	4.2	4.2	4.2	3.9	0.08	340	509	148	2.3	0.05	90
20	4.2	4.2	4.2	4.2	3.9	0.08	343	505	101	2.3	0.05	55
21	4.2	4.2	4.2	4.2	3.9	0.08	340	501	101	2.3	0.05	17
22	4.2	4.2	4.2	4.2	3.9	0.08	270	498	103	2.3	0.05	14
23	4.2	4.2	4.2	4.2	3.9	0.08	231	479	103	2.0	0.05	5.8
24	4.2	4.2	4.2	4.2	3.9	0.08	228	464	103	20	0.05	0.06
25	4.2	4.2	4.2	4.2	3.9	0.08	231	402	103	96	0.05	0.06
26	4.2	4.2	4.2	4.2	3.9	0.09	231	358	103	129	0.05	0.05
27	4.2	4.2	4.2	4.2	3.9	0.09	231	358	101	131	0.05	0.05
28	4.2	4.2	4.2	4.2	3.9	0.09	195	313	101	129	0.05	0.05
29	4.2	4.2	4.2	4.2	---	0.09	172	255	101	26	0.05	0.06
30	4.2	4.2	4.2	4.2	---	0.09	172	255	34	0.05	0.05	0.06
31	4.2	---	4.2	4.2	---	0.10	---	255	---	0.04	0.05	---
TOTAL	939.8	126.0	130.2	130.2	114.6	48.81	3363.14	9305	6620	562.63	108.28	678.71
MEAN	30.3	4.20	4.20	4.20	4.09	1.57	112	300	221	18.1	3.49	22.6
AC-FT	1860	250	258	258	227	97	6670	18460	13130	1120	215	1350
MAX	513	4.2	4.2	4.2	4.2	3.9	343	513	447	131	41	106
MIN	4.2	4.2	4.2	4.2	3.9	0.08	0.10	172	34	0.04	0.04	0.04

CAL YR 1996 TOTAL 15950.7 MEAN 43.6 MAX 600 MIN 4.2 AC-FT 31640
WTR YR 1997 TOTAL 22127.37 MEAN 60.6 MAX 513 MIN 0.04 AC-FT 43890

MAX DISCH 2250 CFS AT 2400 23-SEP-1997 GH 8.51 FT. SHIFT 0.04 FT. MAX GH 8.51 FT. AT 2400 23-SEP-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



NORTH PLATTE RIVER BASIN

06617500 ILLINOIS RIVER NEAR RAND

LOCATION.--Lat 40°27'45", long 106°10'30", in sec. 29, T.6 N., R.78 W., in Jackson County, on right upstream bridge abutment.

DRAINAGE AREA.--68 mi².

GAGE.--Float driven satellite telemetry. Approximate elevation of gage is 8550 feet.

REMARKS.--Record is complete & reliable except during periods of no telemetry (10/23 thru 5/9). Records developed by Kent Holt. Formerly published as Illinois Creek near Rand (1931-1940) at similar location. Staff gage installed at current site & datum in 1981. Rating extended above 187 cfs.

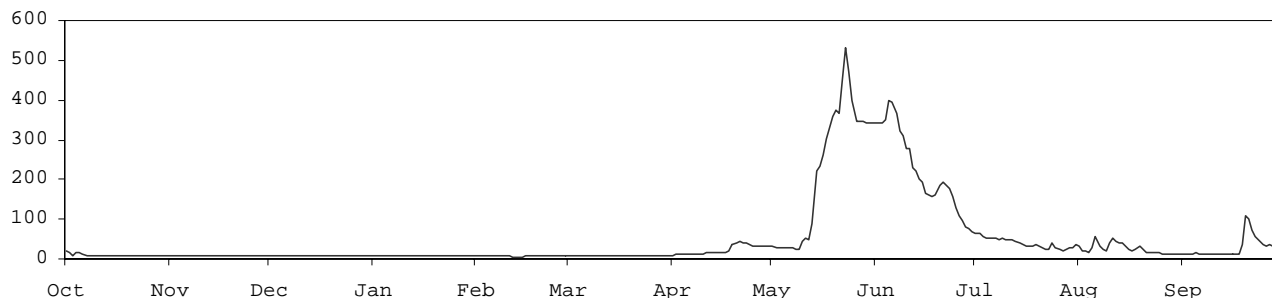
RATING TABLE.--ILLRANCO USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	7.8	7.3	6.8	6.2	7.2	10	31	344	66	31	12
2	18	7.8	7.3	6.8	6.2	7.3	11	30	344	64	21	13
3	10	7.8	7.3	6.8	6.2	7.4	11	30	344	57	19	12
4	15	7.8	7.3	6.7	6.2	7.5	12	29	351	53	18	14
5	15	7.8	7.2	6.7	6.2	7.6	13	28	399	51	30	15
6	12	7.8	7.2	6.7	6.2	7.7	13	28	394	52	55	12
7	10	7.7	7.2	6.7	6.1	7.8	14	27	368	54	31	12
8	8.9	7.7	7.2	6.7	6.1	7.9	14	26	324	50	23	12
9	8.9	7.7	7.2	6.6	6.1	8.0	14	25	312	51	19	12
10	8.4	7.7	7.2	6.6	6.1	8.0	14	45	276	49	39	12
11	8.0	7.7	7.2	6.6	6.1	8.1	15	54	276	50	52	12
12	8.0	7.7	7.1	6.6	6.0	8.2	15	49	231	49	45	12
13	8.0	7.6	7.1	6.6	6.0	8.3	16	90	221	45	39	12
14	7.5	7.6	7.1	6.6	6.0	8.4	16	223	201	41	40	12
15	7.5	7.6	7.1	6.5	6.0	8.5	17	235	195	37	33	12
16	7.5	7.6	7.1	6.5	6.1	8.6	18	263	165	33	24	12
17	8.0	7.6	7.0	6.5	6.2	8.7	18	303	160	32	22	12
18	8.0	7.6	7.0	6.5	6.3	8.8	19	331	157	34	24	13
19	7.0	7.5	7.0	6.5	6.4	8.8	38	360	162	36	33	37
20	10	7.5	7.0	6.4	6.4	8.9	42	373	185	34	25	109
21	10	7.5	7.0	6.4	6.5	9.0	45	367	195	30	18	102
22	10	7.5	7.0	6.4	6.6	9.1	42	451	185	26	15	74
23	8.0	7.5	6.9	6.4	6.7	9.2	39	531	178	24	15	58
24	8.0	7.4	6.9	6.4	6.8	9.3	36	470	158	41	15	47
25	8.0	7.4	6.9	6.4	6.9	9.4	33	400	129	27	15	38
26	8.0	7.4	6.9	6.4	7.0	9.5	33	347	110	24	14	34
27	7.9	7.4	6.9	6.3	7.1	9.6	32	345	95	22	14	38
28	7.9	7.4	6.8	6.3	7.2	9.6	32	345	82	23	13	32
29	7.9	7.4	6.8	6.3	---	9.7	32	344	76	30	12	27
30	7.9	7.3	6.8	6.3	---	9.8	31	344	70	27	12	25
31	7.9	---	6.8	6.3	---	9.9	---	344	---	36	12	---
TOTAL	296.2	227.8	218.8	202.3	177.9	265.8	695	6868	6687	1248	778	844
MEAN	9.55	7.59	7.06	6.53	6.35	8.57	23.2	222	223	40.3	25.1	28.1
AC-FT	588	452	434	401	353	527	1380	13620	13260	2480	1540	1670
MAX	19	7.8	7.3	6.8	7.2	9.9	45	531	399	66	55	109
MIN	7.0	7.3	6.8	6.3	6.0	7.2	10	25	70	22	12	12
CAL YR 1996 TOTAL		15492.9	MEAN	42.3	MAX	377	MIN	2.5	AC-FT	30730		
WTR YR 1997 TOTAL		18508.8	MEAN	50.7	MAX	531	MIN	6.0	AC-FT	36710		

MAX DISCH 645 CFS AT 1600 13-MAY-1997 GH 4.44 FT. SHIFT 0.00 FT. MAX GH 4.44 FT. AT 1600 13-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

DOLORES TUNNEL OUTLET NEAR DOLORES, CO

LOCATION.--Lat 37°28'00", long 108°32'30", in SW¼SE¼ sec. 18, T. 37 N., R.15 W., NMPM, Montezuma County.

DRAINAGE AREA.--N/A

GAGE.--Satellite telemetry at a 15 foot Parshall flume.

REMARKS.--Records good. Station maintained by the Dolores Conservancy District and records developed by Scott D. Brinton.

RATING TABLE.--DOLTUNCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

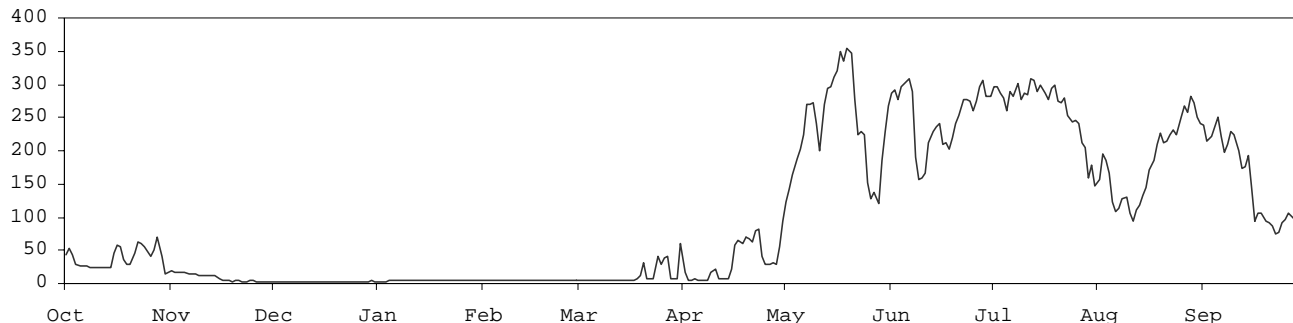
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	20	3.4	3.4	4.1	4.1	18	122	287	296	156	239
2	52	18	3.4	3.4	4.1	4.1	5.1	142	291	296	194	214
3	43	18	3.4	3.5	4.3	4.1	5.1	164	277	286	185	222
4	28	17	3.4	5.2	4.4	4.1	8.0	188	297	280	166	236
5	27	17	3.4	5.1	4.2	4.1	5.5	202	303	261	122	250
6	27	15	3.4	5.1	4.0	4.1	5.5	225	308	288	108	222
7	27	14	3.4	5.0	4.1	5.4	5.4	269	289	282	113	198
8	25	14	3.4	4.8	4.1	5.6	5.1	271	190	301	127	210
9	24	13	3.4	4.8	4.1	5.1	18	272	157	278	129	230
10	24	13	3.4	4.8	4.1	5.1	22	241	160	287	105	225
11	24	12	3.2	4.8	4.1	5.5	6.7	201	166	284	94	200
12	24	12	3.1	4.5	4.1	5.5	6.7	270	213	309	111	174
13	24	12	3.1	4.4	4.1	5.5	6.7	294	229	305	117	175
14	24	12	3.1	4.4	4.1	5.5	6.8	297	236	288	133	193
15	45	8.2	3.1	4.4	4.1	5.4	22	312	240	298	144	145
16	57	3.7	3.2	4.4	4.1	4.9	57	320	210	287	171	95
17	55	3.7	3.3	4.4	4.1	4.3	64	349	212	276	185	107
18	35	3.7	3.1	4.2	4.1	8.3	60	335	202	293	209	106
19	28	3.5	3.1	4.1	4.1	13	69	355	219	299	226	93
20	28	3.8	3.1	4.1	4.1	31	67	348	241	274	213	92
21	46	3.9	3.1	4.1	4.1	6.3	62	278	254	272	215	87
22	62	3.5	3.1	4.1	4.1	7.1	80	223	278	279	224	74
23	60	3.6	3.1	4.1	4.1	7.3	81	229	277	252	231	78
24	56	3.7	3.1	4.1	4.1	41	40	223	275	244	223	92
25	47	3.7	3.1	4.1	4.1	30	30	151	261	245	250	96
26	42	3.5	3.3	4.1	4.1	38	29	128	275	240	268	105
27	51	3.4	3.3	3.8	4.1	41	31	138	297	212	258	100
28	70	3.4	3.4	3.7	4.1	6.3	30	120	306	206	282	91
29	42	3.4	3.5	3.7	---	6.3	56	185	282	158	272	102
30	14	3.4	3.7	4.0	---	6.3	94	229	283	179	251	112
31	18	---	3.5	4.1	---	61	---	267	---	146	241	---
TOTAL	1172	269.1	101.6	132.7	115.3	385.3	996.6	7348	7515	8201	5723	4563
MEAN	37.8	8.97	3.28	4.28	4.12	12.4	33.2	237	251	265	185	152
AC-FT	2320	534	202	263	229	764	1980	14570	14910	16270	11350	9050
MAX	70	20	3.7	5.2	4.4	61	94	355	308	309	282	250
MIN	14	3.4	3.1	3.4	4.0	4.1	5.1	120	157	146	94	74

CAL YR 1996 TOTAL 44894.7 MEAN 123 MAX 365 MIN 3.1 AC-FT 89050
WTR YR 1997 TOTAL 36522.6 MEAN 100 MAX 355 MIN 3.1 AC-FT 72440

MAX DISCH 382 CFS AT 1800 19-MAY-1997 GH 3.28 FT. SHIFT -0.03 FT. MAX GH 3.28 FT. AT 1800 19-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES, CO

LOCATION.--Lat 37°30'24", long 108°35'28", in NW¼SW¼ sec. 35, T.38 N., R.16 W., NMPM, Montezuma County.

DRAINAGE AREA.--N/A

GAGE.--Satellite telemetry at a 12 foot Parshall flume.

REMARKS.--Records good. Station maintained by the Dolores Conservancy District and records developed by Scott D. Brinton.

RATING TABLE.--MVIDIVCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

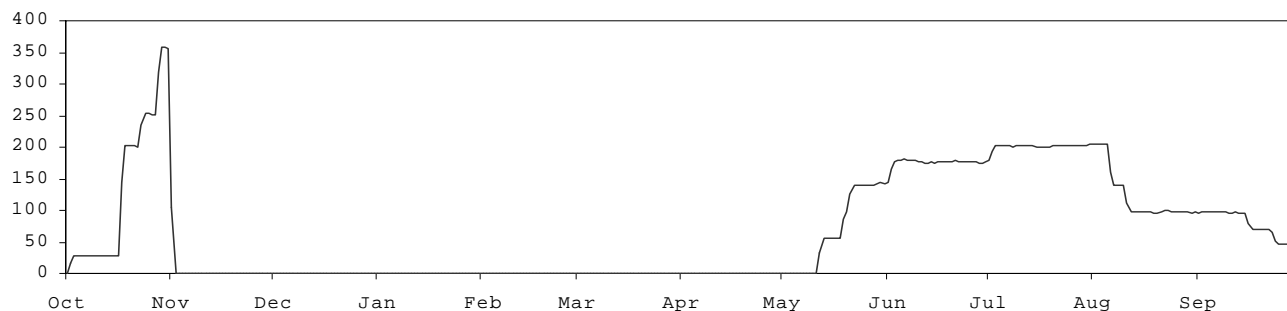
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	104	0.0	0.0	0.0	0.0	0.0	0.0	145	178	204	96
2	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165	192	204	97
3	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	177	203	204	97
4	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179	203	204	97
5	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179	203	204	97
6	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	181	203	161	97
7	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179	203	140	97
8	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178	201	139	97
9	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179	202	139	97
10	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	176	203	139	96
11	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	176	203	112	96
12	28	0.0	0.0	0.0	0.0	0.0	0.0	32	175	203	97	97
13	28	0.0	0.0	0.0	0.0	0.0	0.0	56	175	202	97	96
14	28	0.0	0.0	0.0	0.0	0.0	0.0	56	176	202	97	96
15	28	0.0	0.0	0.0	0.0	0.0	0.0	56	175	200	97	96
16	28	0.0	0.0	0.0	0.0	0.0	0.0	56	176	201	97	79
17	144	0.0	0.0	0.0	0.0	0.0	0.0	56	176	200	97	70
18	203	0.0	0.0	0.0	0.0	0.0	0.0	56	176	200	97	70
19	202	0.0	0.0	0.0	0.0	0.0	0.0	87	177	201	96	70
20	202	0.0	0.0	0.0	0.0	0.0	0.0	98	177	202	96	70
21	202	0.0	0.0	0.0	0.0	0.0	0.0	126	178	202	98	70
22	201	0.0	0.0	0.0	0.0	0.0	0.0	140	177	202	99	70
23	236	0.0	0.0	0.0	0.0	0.0	0.0	140	176	202	99	65
24	253	0.0	0.0	0.0	0.0	0.0	0.0	140	176	202	98	51
25	253	0.0	0.0	0.0	0.0	0.0	0.0	140	177	202	98	46
26	252	0.0	0.0	0.0	0.0	0.0	0.0	140	176	203	98	46
27	252	0.0	0.0	0.0	0.0	0.0	0.0	139	176	203	97	46
28	319	0.0	0.0	0.0	0.0	0.0	0.0	139	175	203	97	46
29	357	0.0	0.0	0.0	---	0.0	0.0	141	175	203	97	46
30	357	0.0	0.0	0.0	---	0.0	0.0	144	176	203	96	45
31	356	---	0.0	0.0	---	0.0	---	143	---	204	97	---
TOTAL	4197	104	0.0	0.0	0.0	0.0	0.0	2085	5259	6234	3795	2339
MEAN	135	3.47	0.0	0.0	0.0	0.0	0.0	67.3	175	201	122	78.0
AC-FT	8320	206	0.0	0.0	0.0	0.0	0.0	4140	10430	12370	7530	4640
MAX	357	104	0.0	0.0	0.0	0.0	0.0	144	181	204	204	97
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	178	96	45

CAL YR 1996 TOTAL	26327.1	MEAN	71.9	MAX	422	MIN	0.00	AC-FT	52220
WTR YR 1997 TOTAL	24013	MEAN	65.8	MAX	357	MIN	0.00	AC-FT	47630

MAX DISCH 361 CFS AT 0945 28-OCT-1996 GH 3.54 FT. SHIFT 0.05 FT. MAX GH 3.54 FT. AT 0945 28-OCT-1996

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD



DOLORES RIVER BASIN

DOLORES RIVER BELOW MCPHEE RESERVOIR NEAR DOLORES, CO

LOCATION.--Lat 37°34'33", long 108°34'33", in SE¼SE¼ sec. 2, T.38 N., R.16 W., NMPM, Montezuma County.

DRAINAGE AREA.--550 mi².

GAGE.--Satellite telemetry and 15 foot Parshall flume with wing walls. Datum of gauge is 6,630 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete and reliable. Records good. Diversions for irrigation of up to 47,000 acres upstream of gage in the Dolores River basin and diversions for irrigation of up to 4700 acres in the San Juan River Basin. Flow regulated by McPhee Reservoir, capacity 381,000 acre-feet. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--DOLBMCCO03 USED FROM 01-OCT-1996 TO 30-SEP-1997

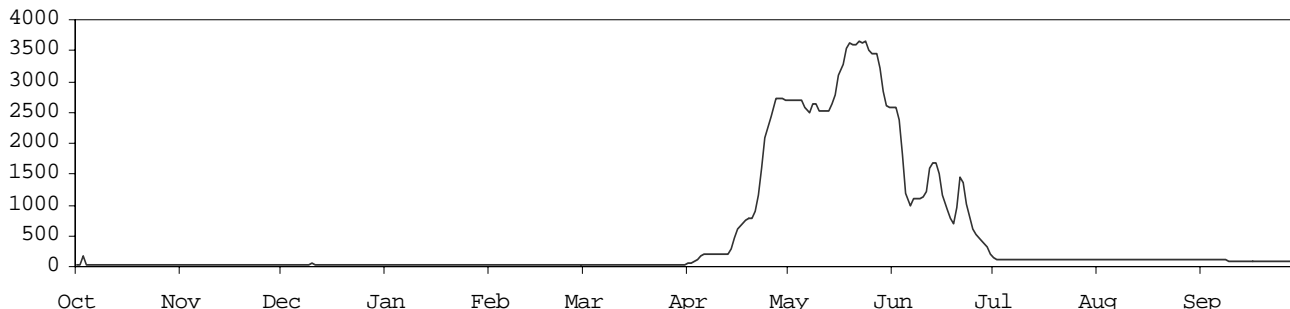
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	42	34	34	35	34	56	2710	2570	158	121	115
2	37	42	34	34	35	34	67	2700	2580	120	121	104
3	164	43	34	34	35	33	75	2700	2390	118	120	107
4	39	43	35	34	35	33	122	2700	1820	121	121	110
5	40	36	35	34	35	33	182	2700	1200	123	123	122
6	39	34	35	34	35	33	202	2570	997	124	123	108
7	40	35	35	34	35	33	202	2500	1100	125	123	121
8	40	35	35	34	35	33	201	2630	1110	126	125	108
9	40	35	35	34	35	33	201	2650	1110	127	127	96
10	40	35	44	34	35	33	201	2510	1120	128	127	89
11	40	35	35	35	35	33	201	2510	1230	129	127	93
12	40	35	34	35	35	33	201	2520	1590	129	127	92
13	40	34	34	35	35	33	201	2510	1690	128	127	99
14	40	34	34	35	34	33	299	2630	1690	128	127	99
15	40	34	34	35	34	33	472	2790	1520	128	127	89
16	40	34	34	35	34	33	600	3100	1170	128	127	83
17	40	34	34	35	34	33	682	3280	942	128	127	84
18	40	34	34	35	33	34	752	3540	797	128	127	84
19	40	33	34	35	33	34	780	3630	708	128	128	84
20	40	33	34	35	34	33	781	3580	958	128	129	84
21	41	36	34	35	34	34	892	3580	1460	128	129	86
22	40	34	34	35	33	34	1160	3640	1370	127	129	85
23	40	34	34	35	33	34	1590	3630	1020	126	129	85
24	40	33	34	35	34	34	2100	3640	811	125	129	85
25	40	35	34	35	34	34	2260	3520	615	125	129	85
26	40	38	34	35	34	34	2440	3460	521	124	130	85
27	41	34	34	35	34	34	2720	3460	448	124	130	85
28	42	34	34	35	34	34	2720	3230	389	123	130	85
29	43	34	34	35	---	35	2720	2840	329	122	130	85
30	42	34	34	35	---	35	2710	2610	198	121	130	85
31	42	---	34	35	---	35	---	2570	---	121	130	---
TOTAL	1367	1066	1071	1075	961	1041	27790	92640	35453	3918	3929	2822
MEAN	44.1	35.5	34.5	34.7	34.3	33.6	926	2988	1182	126	127	94.1
AC-FT	2710	2110	2120	2130	1910	2060	55120	183800	70320	7770	7790	5600
MAX	164	43	44	35	35	35	2720	3640	2580	158	130	122
MIN	37	33	34	34	33	33	56	2500	198	118	120	83

CAL YR 1996 TOTAL 18356 MEAN 50.2 MAX 164 MIN 29 AC-FT 36410
WTR YR 1997 TOTAL 173133 MEAN 474 MAX 3640 MIN 33 AC-FT 343400

MAX DISCH 15894 CFS AT 0320 08-JAN-1997 GH 958.00 FT. SHIFT -0.05 FT. MAX GH 58.00 FT. AT 0320 08-JAN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

BLANCO DIVERSION NEAR PAGOSA SPRINGS, CO

LOCATION.--Lat 37°12'13", long 106°48'35", in NW¼NE¼ sec. 11, T.34 N., R.1 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter and well at a 12 foot Parshall flume.

REMARKS.--Record good. Station maintained by the U.S.B.R. and records developed by Scott D. Brinton.

RATING TABLE.--BLADIVCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

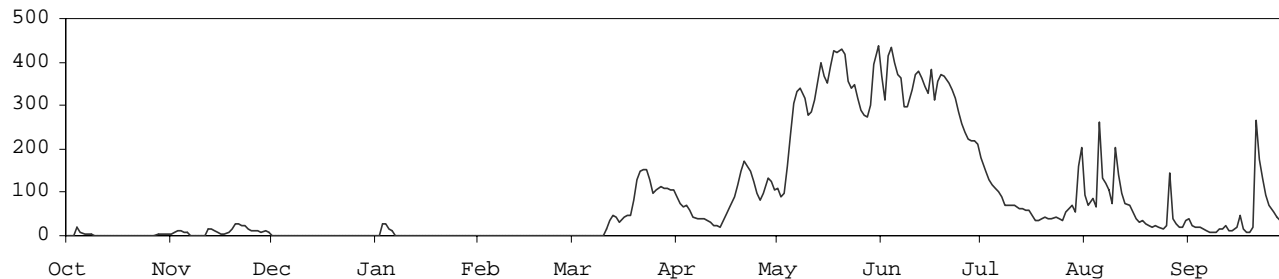
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	3.1	0.70	0.76	1.1	0.54	91	109	366	181	92	40
2	0.0	6.5	0.59	0.83	1.0	0.55	73	90	311	150	69	24
3	0.0	13	0.17	29	1.1	0.81	68	96	415	130	85	18
4	19	9.9	0.0	27	0.78	0.61	72	159	432	116	68	18
5	9.3	9.7	0.13	15	0.99	0.49	57	235	400	108	261	16
6	3.9	7.2	0.09	11	0.92	0.60	43	305	372	102	134	11
7	2.5	1.1	0.31	0.64	0.49	0.83	41	331	364	91	122	8.5
8	2.4	0.60	0.40	1.2	0.54	1.00	40	338	298	72	105	6.5
9	1.5	1.2	0.60	0.62	0.54	1.0	41	318	296	70	75	7.0
10	0.24	1.5	1.0	0.97	0.49	1.0	36	276	334	72	204	17
11	0.0	1.5	0.97	1.1	0.56	16	32	284	370	71	140	14
12	0.0	15	0.82	1.1	0.78	36	25	311	379	64	97	24
13	0.0	16	0.64	1.2	0.90	46	22	355	365	62	76	12
14	0.0	12	0.80	1.1	0.71	43	21	399	342	58	69	13
15	0.0	9.7	0.30	0.72	0.63	30	34	368	330	58	54	18
16	0.0	4.4	0.25	0.75	0.84	44	51	353	384	45	41	45
17	0.0	3.8	0.04	0.50	1.0	46	68	391	314	36	33	16
18	0.0	8.3	0.0	0.61	0.99	45	91	424	354	35	37	9.6
19	0.0	16	0.0	0.94	1.0	82	117	422	371	39	29	8.3
20	0.35	29	0.0	1.1	1.1	129	149	429	368	44	22	19
21	1.1	26	0.0	1.2	1.1	150	173	417	352	41	19	267
22	0.79	25	0.39	0.92	0.92	153	159	355	334	41	22	177
23	0.0	22	0.51	0.99	1.1	152	148	341	318	44	20	133
24	0.0	14	0.11	0.96	0.97	130	125	347	287	39	16	92
25	0.0	12	0.0	0.58	0.99	97	97	316	259	36	23	69
26	0.0	13	0.06	0.79	0.84	105	82	288	240	53	144	53
27	0.0	12	0.0	0.94	0.87	113	97	277	223	62	41	42
28	2.4	8.6	0.35	0.72	0.78	108	132	273	219	69	28	35
29	3.6	10	0.29	0.81	---	108	125	302	219	54	21	29
30	3.0	6.8	0.57	0.77	---	106	107	393	212	162	20	24
31	4.3	---	0.79	0.91	---	106	---	436	---	202	35	---
TOTAL	54.38	318.90	10.90	105.73	24.03	1852.42	2417	9738	9828	2407	2202	1265.9
MEAN	1.75	10.6	0.35	3.41	0.86	59.8	80.6	314	328	77.6	71.0	42.2
AC-FT	108	633	22	210	48	3670	4790	19320	19490	4770	4370	2510
MAX	19	29	1.0	29	1.1	153	173	436	432	202	261	267
MIN	0.0	0.60	0.0	0.50	0.49	0.49	21	90	212	35	16	6.5

CAL YR 1996 TOTAL 13830.03 MEAN 37.8 MAX 356 MIN 0.00 AC-FT 27430
WTR YR 1997 TOTAL 30224.26 MEAN 82.8 MAX 436 MIN 0.00 AC-FT 59950

MAX DISCH 524 CFS AT 1530 01-JUN-1997 GH 4.53 FT. SHIFT 0.00 FT. MAX GH 4.53 FT. AT 1530 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD



SAN JUAN RIVER BASIN

09343300 RIO BLANCO BELOW BLANCO DIVERSION DAM, NEAR PAGOSA SPRINGS, CO

LOCATION.--Lat 37°12'13", long 106°48'42", in NW¼ sec. 11, T.34 N., R.1 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on left bank 250 ft downstream from Blanco Diversion Dam, 1.1 mi downstream from Leche Creek, and 12 mi southeast of Pagosa Springs.

DRAINAGE AREA AND PERIOD OF RECORD.--69.1 mi². March 1971 to current year.

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter and well at a 4 ft. Parshall flume with supplemental outside gage. The DCP is the primary record. Datum of gage is 7,858.04 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Bureau of Reclamation).

REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 17, 19, 20 and 28; Dec. 1-5, 7, 8 and 16-27, 1996; Jan. 2, 3, 7-11, 14-24 and 27; Feb. 1, 8, 10 and 11; March 5 and 6, 1997. March 24 to April 3, 1997 when inlets were plugged by sand. September 21 and 22, 1997 when debris collected in the flume caused an erroneous gauge height reading. Record good except for the estimated periods, which are poor. Record good except for the estimated periods which are poor. Station maintained and record developed by Scott D. Brinton.

RATING TABLE.--RIOBLACO05 USED FROM 01-OCT-1996 TO 30-SEP-1997

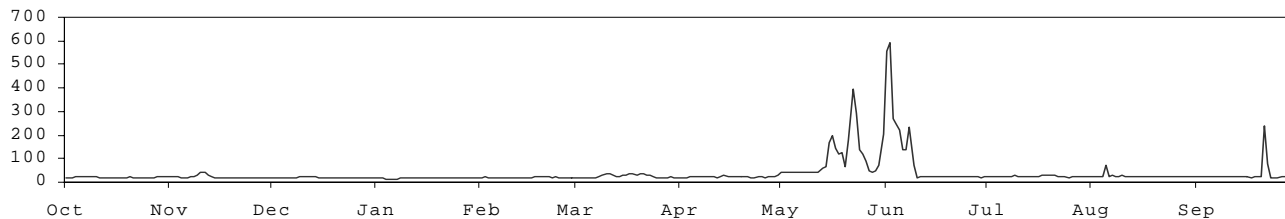
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	22	18	17	18	16	20	41	555	24	23	23
2	20	21	17	16	21	16	18	41	594	22	22	22
3	20	22	16	15	20	20	18	42	270	24	22	24
4	26	20	15	14	18	19	22	44	246	26	21	25
5	23	20	16	14	18	15	21	44	222	24	71	25
6	22	20	18	14	18	17	23	39	137	22	22	25
7	22	21	18	14	15	20	22	40	135	22	28	25
8	22	22	19	15	16	24	21	42	236	26	24	25
9	22	28	21	16	18	29	21	41	74	29	26	25
10	21	40	23	17	17	36	21	40	15	26	29	26
11	20	43	23	17	16	38	21	40	24	25	24	26
12	19	30	22	18	18	27	20	41	24	25	23	26
13	18	21	21	18	19	22	25	59	23	25	22	25
14	18	18	22	18	17	23	27	68	23	24	24	25
15	19	18	18	18	17	30	22	165	26	21	25	25
16	18	18	18	17	20	29	21	200	24	26	25	22
17	18	16	17	17	23	34	23	144	21	31	25	20
18	17	18	15	16	22	36	23	122	21	31	25	22
19	17	17	16	16	24	31	24	127	22	30	24	24
20	22	18	17	15	26	33	24	66	22	30	24	24
21	15	19	17	15	23	35	23	179	23	30	24	240
22	17	19	17	16	20	28	20	394	23	26	24	80
23	18	19	17	16	21	28	20	292	23	25	24	20
24	19	19	16	16	20	26	21	139	22	24	24	19
25	19	18	16	16	20	18	21	117	21	20	24	20
26	16	18	16	16	18	17	20	88	23	21	26	22
27	20	18	15	16	18	19	21	49	22	21	24	24
28	24	17	16	17	17	20	21	43	21	21	23	23
29	24	18	16	17	---	21	21	48	18	23	23	22
30	23	19	16	17	---	19	31	69	21	25	22	22
31	23	---	16	18	---	19	---	204	---	24	23	---
TOTAL	621	637	548	502	538	765	656	3068	2931	773	790	976
MEAN	20.0	21.2	17.7	16.2	19.2	24.7	21.9	99.0	97.7	24.9	25.5	32.5
AC-FT	1230	1260	1090	996	1070	1520	1300	6090	5810	1530	1570	1940
MAX	26	43	23	18	26	38	31	394	594	31	71	240
MIN	15	16	15	14	15	15	18	39	15	20	21	19

CAL YR 1996 TOTAL 8501.7 MEAN 23.2 MAX 68 MIN 9.7 AC-FT 16860
WTR YR 1997 TOTAL 12805 MEAN 35.1 MAX 594 MIN 14 AC-FT 25400

MAX DISCH 1350 CFS AT 2130 01-JUN-1997 GH 4.58 FT. SHIFT -0.02 FT. MAX GH 4.67 FT. AT 0830 21-SEP-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 4-17, 1996; Feb. 1-7, 12-26; March 1-9, 1997. Record is complete except for the following periods: Dec. 18-31, 1996; Jan. 1-31; Feb. 8-11 and 27-28, 1997 when well was frozen. June 10 and 11, 1997 when recorder clock had stopped. Flows controlled by diversion dam upstream. Diversions are through the Blanco Diversion Tunnel into the Azotea Tunnel, as part of the U.S.B.R. San Juan-Chama project. Record fair except for the estimated periods, which are poor. Station maintained by Val Valentine and records developed by David A. Nelson and Scott D. Brinton

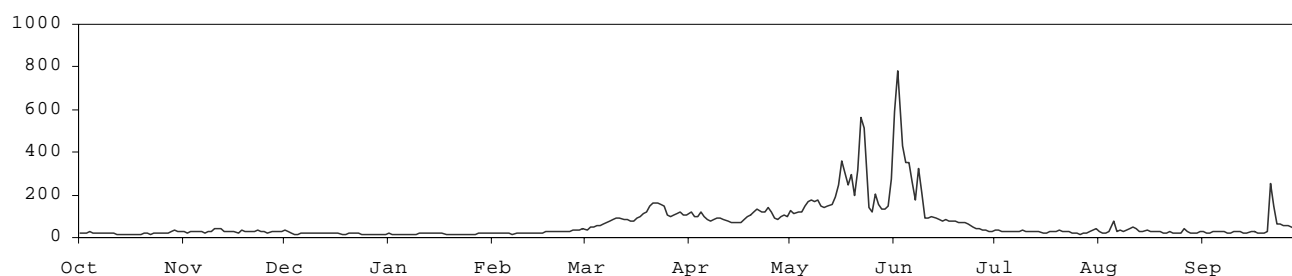
RATING TABLE.--RIOMOUCO03 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	27	33	18	19	38	117	125	590	34	25	28
2	18	24	29	17	22	46	102	113	783	33	23	23
3	18	29	18	16	22	52	100	117	428	29	24	22
4	29	29	15	15	20	55	123	121	353	30	25	25
5	23	27	17	15	20	55	100	149	350	28	77	26
6	22	27	19	15	20	62	82	168	260	27	30	25
7	21	24	19	15	16	70	80	173	176	25	36	25
8	21	26	20	16	19	76	83	170	322	25	31	24
9	20	31	22	17	21	87	95	173	212	32	36	24
10	20	39	24	18	20	95	92	151	90	29	44	27
11	18	44	24	18	19	95	86	144	90	28	50	27
12	17	45	23	19	22	85	77	147	97	27	41	27
13	17	30	22	19	23	83	72	158	93	26	31	24
14	17	26	22	19	21	77	72	189	85	25	29	24
15	17	28	19	19	21	78	68	245	78	24	33	25
16	17	26	19	18	24	92	72	358	86	19	29	27
17	17	20	18	18	27	98	88	306	80	30	27	22
18	15	32	16	17	26	113	102	248	76	30	28	22
19	16	25	17	17	28	119	106	298	77	30	27	23
20	22	28	18	16	30	147	117	198	72	32	24	25
21	20	29	18	16	27	165	132	316	71	29	24	254
22	14	30	18	17	26	165	123	562	67	28	26	146
23	21	33	18	17	30	158	123	514	65	26	24	63
24	20	28	17	17	31	147	142	142	48	24	23	63
25	20	25	17	17	35	106	117	121	41	20	24	59
26	20	24	17	17	36	98	93	207	39	17	42	58
27	24	30	16	17	36	106	88	158	38	22	29	48
28	29	25	17	18	41	113	100	134	35	23	24	42
29	34	30	17	18	---	117	106	132	31	25	23	43
30	27	30	17	18	---	106	98	147	29	34	22	43
31	27	---	17	19	---	106	---	276	---	40	26	---
TOTAL	639	871	603	533	702	3010	2956	6460	4862	851	957	1314
MEAN	20.6	29.0	19.5	17.2	25.1	97.1	98.5	208	162	27.5	30.9	43.8
AC-FT	1270	1730	1200	1060	1390	5970	5860	12810	9640	1690	1900	2610
MAX	34	45	33	19	41	165	142	562	783	40	77	254
MIN	14	20	15	15	16	38	68	113	29	17	22	22
CAL YR 1996 TOTAL	12325.2		MEAN	33.7	MAX	106	MIN	6.0	AC-FT	24450		
WTR YR 1997 TOTAL	23758		MEAN	65.1	MAX	783	MIN	14	AC-FT	47120		

MAX DISCH 1248 CFS AT 0030 02-JUN-1997 GH 4.25 FT. SHIFT -0.01 FT. MAX GH 4.25 FT. AT 0030 02-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

09344000 NAVAJO RIVER AT BANDED PEAK RANCH, NEAR CHROMO, CO

LOCATION.--Lat 37°05'07", long 106°41'20", in SE¼NW¼ sec. 24, T.33 N., R.2 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on left bank at downstream side of private bridge on Banded Peak Ranch, 0.5 mi downstream from Cutthroat Creek, 2.8 mi downstream from East Fork of the Navajo River, and 11.2 mi northeast of Chromo, Co.

DRAINAGE AREA.--69.8 mi².

GAGE.--Water-stage recorder with satellite telemetry in a 42-inch metal pipe shelter. The DCP is the primary record. Datum of gage is 7,939.3 ft above National Geodetic Vertical Datum of 1929 (river--profile survey).

REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 28; Dec. 9 and 16, 1995; Feb. 24 and 27; March 8 and 18, 1996. Dec. 18, 1995 to Feb. 23, 1996, when float was frozen in ice in well. Record fair except for the winter period and period of no gage-height record which is poor. Diversions for irrigation of about 450 acres upstream from station. Station maintained and records developed by David A. Nelson and Scott D. Brinton.

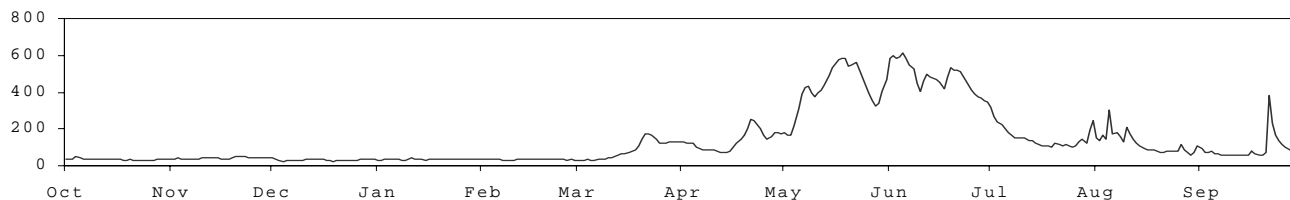
RATING TABLE.--NAVBANCO23 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	36	40	32	38	32	128	180	583	314	151	91
2	33	36	35	32	36	32	121	165	598	266	134	75
3	35	40	26	36	36	32	123	168	582	240	165	75
4	51	39	24	38	34	34	119	215	588	223	141	80
5	43	38	27	36	34	32	101	307	616	202	300	68
6	38	38	31	36	34	32	96	391	586	178	170	62
7	38	34	29	34	30	34	86	428	545	166	179	59
8	37	35	30	30	30	36	87	433	529	154	155	56
9	36	38	31	32	32	38	87	398	447	151	132	56
10	35	40	32	38	32	40	85	372	402	151	210	60
11	35	42	34	40	34	44	81	396	458	148	172	60
12	34	42	34	36	34	50	74	409	494	138	141	58
13	34	43	34	36	34	58	75	443	486	134	124	56
14	34	41	36	36	34	62	74	492	474	126	111	57
15	33	41	33	32	34	62	81	531	468	118	97	58
16	34	37	33	34	34	71	101	553	457	107	89	79
17	33	35	32	34	36	79	120	580	421	106	84	63
18	31	39	26	34	36	83	141	584	484	105	89	60
19	31	44	24	34	36	105	164	585	531	104	81	58
20	34	48	26	36	38	142	200	540	522	121	73	73
21	31	48	30	36	36	171	252	549	518	116	70	384
22	28	50	31	36	34	170	245	561	510	111	78	233
23	31	51	31	36	36	166	222	516	485	112	82	165
24	31	46	30	36	34	144	202	475	455	109	76	136
25	30	43	31	34	34	122	164	430	412	98	79	114
26	30	43	30	36	32	120	146	390	386	110	116	100
27	32	44	34	38	34	125	155	351	372	128	84	87
28	36	43	34	36	32	127	181	327	368	145	70	71
29	36	43	34	36	---	127	179	340	351	119	61	67
30	35	42	34	36	---	127	173	401	344	191	73	64
31	36	---	34	36	---	129	---	470	---	244	106	---
TOTAL	1069	1239	970	1092	958	2626	4063	12980	14472	4735	3693	2725
MEAN	34.5	41.3	31.3	35.2	34.2	84.7	135	419	482	153	119	90.8
AC-FT	2120	2460	1920	2170	1900	5210	8060	25750	28710	9390	7330	5410
MAX	51	51	40	40	38	171	252	585	616	314	300	384
MIN	28	34	24	30	30	32	74	165	344	98	61	56
CAL YR 1996 TOTAL		27754	MEAN	75.8	MAX	467	MIN	24	AC-FT	55050		
WTR YR 1997 TOTAL		50622	MEAN	139	MAX	616	MIN	24	AC-FT	100400		

MAX DISCH 745 CFS AT 2145 01-JUN-1997 GH 3.56 FT. SHIFT 0.05 FT. MAX GH 3.56 FT. AT 2145 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

OSO DIVERSION NEAR CHROMO, CO

LOCATION.--Lat 37°01'49", long 106°44'14", in NE¼NE¼ sec. 9, T.32 N., R.2 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter at a 15 foot Parshall flume.

REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 21, 23-28, 1995; Jan. 2-3, 6-9, 11-14, 18-29; Feb. 2-5, 8-9, 1996. Record good except for the ice affected period, which is poor. Station maintained and record developed by Scott Brinton.

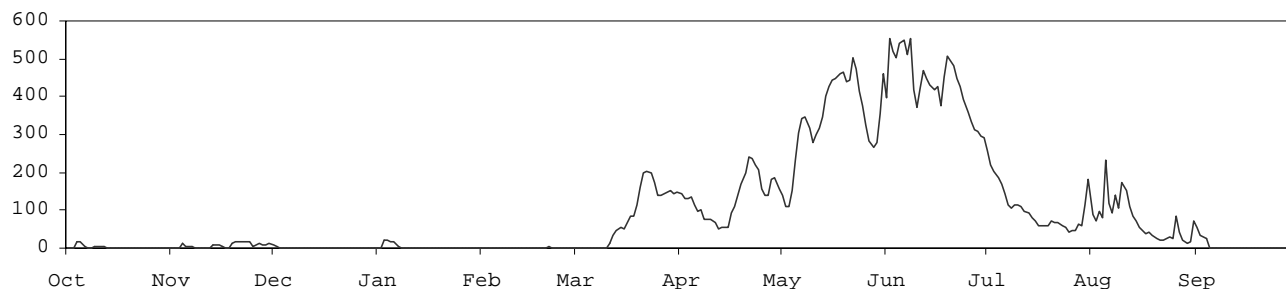
RATING TABLE.--OSODIVCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	1.2	7.9	1.7	1.4	1.4	143	138	398	259	88	57
2	0.0	1.2	3.2	1.7	1.4	1.4	131	111	555	219	70	34
3	0.03	1.2	1.4	20	1.4	1.4	131	108	518	203	98	29
4	19	11	1.4	23	1.4	1.4	135	152	504	185	82	25
5	16	5.8	1.6	18	1.5	1.4	112	232	541	168	231	0.0
6	3.8	5.2	1.7	17	1.4	1.4	97	304	551	144	117	0.0
7	0.87	4.1	1.7	4.9	1.4	1.4	100	344	510	114	91	0.0
8	2.1	1.9	1.7	1.6	1.4	1.4	76	347	552	106	141	0.0
9	2.2	1.9	1.7	1.7	1.4	1.4	78	316	418	114	104	0.0
10	2.2	1.9	1.7	1.7	1.4	1.4	77	280	371	113	175	0.0
11	2.2	1.9	1.7	1.7	1.3	1.4	69	298	423	110	152	0.0
12	2.2	1.7	1.8	1.7	1.2	35	49	317	467	96	108	0.0
13	1.9	8.2	1.9	1.7	1.2	48	56	346	448	91	86	0.0
14	1.7	7.9	1.9	1.7	1.2	54	54	403	433	82	71	0.0
15	1.7	7.5	1.9	1.7	1.2	52	55	426	418	71	56	0.0
16	1.7	3.2	1.9	1.8	1.2	69	95	444	427	59	46	0.0
17	1.7	1.0	1.9	1.9	1.2	84	111	446	376	60	39	0.0
18	1.7	1.0	1.9	1.9	1.2	85	141	459	451	58	43	0.0
19	1.7	11	1.8	1.9	1.3	114	167	463	506	59	35	0.0
20	1.7	16	1.7	1.9	1.3	160	197	439	495	71	24	0.0
21	1.7	18	1.7	1.9	3.2	199	239	444	481	66	20	0.48
22	1.7	18	1.7	1.9	1.4	202	237	502	446	66	21	0.11
23	1.7	18	1.9	1.7	1.4	199	220	474	428	58	24	0.0
24	1.5	18	1.8	1.6	1.4	174	209	415	394	53	31	0.0
25	1.3	5.6	1.7	1.7	1.4	138	155	378	359	42	26	0.0
26	1.3	8.1	1.7	1.7	1.4	138	139	326	334	48	86	0.0
27	1.3	12	1.7	1.7	1.4	143	141	285	313	47	42	0.0
28	1.4	9.4	1.7	1.7	1.4	148	180	267	308	65	22	0.0
29	1.4	9.9	1.7	1.7	---	154	184	279	297	60	11	0.0
30	1.3	11	1.7	1.6	---	144	155	355	292	112	16	0.0
31	1.3	---	1.7	1.4	---	150	---	460	---	183	73	---
TOTAL	80.30	222.8	61.4	127.8	39.4	2518.0	3933	10558	13014	3182	2229	145.59
MEAN	2.59	7.43	1.98	4.12	1.41	81.2	131	341	434	103	71.9	4.85
AC-FT	159	442	122	253	78	4990	7800	20940	25810	6310	4420	289
MAX	19	18	7.9	23	3.2	202	239	502	555	259	231	57
MIN	0.0	1.0	1.4	1.4	1.2	1.4	49	108	292	42	11	0.0
CAL YR 1996 TOTAL		14218.69	MEAN	38.8	MAX	440	MIN	0.00	AC-FT	28200		
WTR YR 1997 TOTAL		36111.29	MEAN	98.9	MAX	555	MIN	0.00	AC-FT	71630		

MAX DISCH 610 CFS AT 2245 01-JUN-1997 GH 4.36 FT. SHIFT 0.00 FT. MAX GH 4.36 FT. AT 2245 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

09345200 LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO, CO

LOCATION.--N/A

DRAINAGE AREA AND PERIOD OF RECORD.--N/A, The gage was established December 5, 1996 by the Colorado Division of Water Resources in conjunction with the U.S.B.R.

GAGE.--Graphic water stage-recorder and satellite monitoring DCP on separate floats in a wooden shelter and concrete well. Supplemental outside staff gage. Control is a 5-foot Parshall flume set in concrete. The DCP is the primary record.

REMARKS.--Record is reliable except for the following periods: Float frozen in ice in well Dec. 8-31, 1996; Jan. 1-2, 7-31; Feb. 1-28; Mar. 1-11 and 14, 1997. Aug. 5-7, 1997 when the shaft encoder float was hung-up and the recorder pen was not inking. Records good, except for periods of no gauge height record, which are poor. Station maintained and records developed by Scott Brinton.

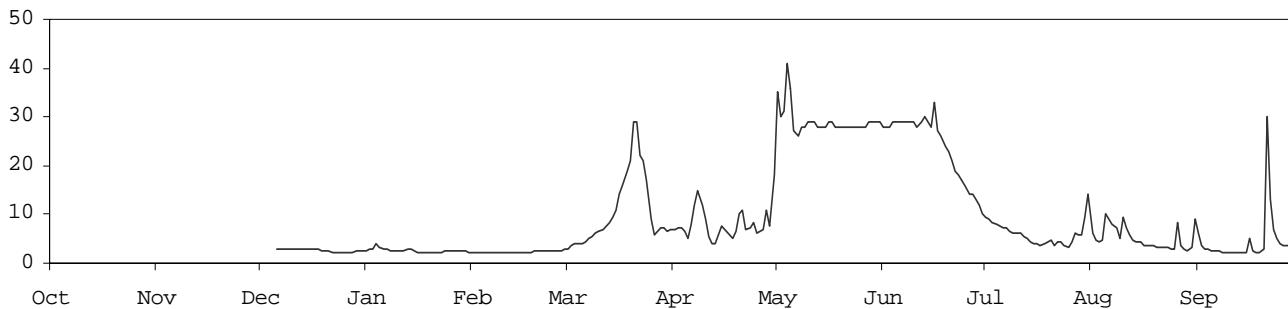
RATING TABLE.--LITOSOCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	2.7	2.2	3.0	7.0	35	28	9.6	6.0	6.0
2	---	---	---	2.8	2.2	3.5	7.1	30	28	9.1	4.7	3.6
3	---	---	---	2.8	2.2	4.0	7.1	31	28	8.2	4.5	3.0
4	---	---	---	4.0	2.1	4.0	6.7	41	29	8.0	4.7	3.0
5	---	---	---	3.1	2.1	3.9	5.0	36	29	7.7	10	2.6
6	---	---	2.8	2.8	2.1	4.2	7.9	27	29	7.3	9.0	2.5
7	---	---	2.8	2.8	2.0	5.0	12	26	29	7.1	8.0	2.4
8	---	---	2.9	2.7	2.0	5.5	15	28	29	6.7	7.1	2.2
9	---	---	3.0	2.6	2.0	6.0	12	28	29	6.2	5.2	2.2
10	---	---	3.0	2.5	2.0	6.5	9.0	29	29	6.0	9.3	2.2
11	---	---	3.0	2.5	2.0	7.0	5.4	29	28	6.0	7.3	2.2
12	---	---	3.0	2.6	2.0	7.5	4.1	29	29	5.5	5.8	2.2
13	---	---	3.0	3.0	2.0	8.2	4.1	28	30	5.0	4.7	2.1
14	---	---	3.0	3.0	2.0	9.5	5.8	28	29	4.5	4.5	2.2
15	---	---	3.0	2.5	2.0	11	7.6	28	28	4.0	4.2	2.1
16	---	---	3.0	2.3	2.1	14	6.7	29	33	4.0	3.8	5.1
17	---	---	3.0	2.0	2.1	16	5.8	29	27	3.8	3.6	2.4
18	---	---	2.8	2.1	2.2	19	5.2	28	26	4.0	3.8	2.2
19	---	---	2.6	2.1	2.4	21	6.5	28	24	4.2	3.6	2.1
20	---	---	2.5	2.1	2.5	29	10	28	23	4.7	3.3	2.9
21	---	---	2.4	2.2	2.5	29	11	28	21	3.8	3.1	30
22	---	---	2.3	2.2	2.4	22	6.9	28	19	4.5	3.1	13
23	---	---	2.2	2.3	2.5	21	7.4	28	18	4.2	3.1	6.9
24	---	---	2.1	2.4	2.6	17	8.5	28	17	3.8	3.0	5.2
25	---	---	2.1	2.5	2.7	9.0	6.0	28	16	3.3	2.8	4.0
26	---	---	2.2	2.5	2.5	5.8	6.5	28	14	4.2	8.2	3.8
27	---	---	2.2	2.5	2.7	6.7	6.9	28	14	6.0	3.6	3.8
28	---	---	2.3	2.5	3.0	7.1	11	29	13	5.8	3.0	3.4
29	---	---	2.4	2.4	---	7.1	7.6	29	12	5.8	2.6	3.1
30	---	---	2.5	2.4	---	6.7	18	29	10	9.4	3.1	2.8
31	---	---	2.6	2.3	---	6.9	---	29	---	14	8.9	---
TOTAL				79.2	63.1	326.1	239.8	907	718	186.4	157.6	131.2
MEAN				2.55	2.25	10.5	7.99	29.3	23.9	6.01	5.08	4.37
AC-FT				157	125	647	476	1800	1420	370	313	260
MAX				4.0	3.0	29	18	41	33	14	10	30
MIN				2.0	2.0	3.0	4.1	26	10	3.3	2.6	2.1

CAL YR 1996 TOTAL MEAN MAX MIN AC-FT
WTR YR 1997 TOTAL MEAN MAX MIN AC-FT

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

09344400 NAVAJO RIVER BELOW OSO DIVERSION DAM, NEAR CHROMO, CO

LOCATION.--Lat 37°01'49", long 106°44'14", in NE¼NW¼ sec. 9, T.32 N., R.2 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on left bank 600 ft downstream from Oso Diversion Dam, 5.8 mi east of Chromo, and 6.1 mi upstream from Little Navajo River.

DRAINAGE AREA AND PERIOD OF RECORD.--100.5 mi². March 1971 to current year.

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter with supplemental outside gage. Control is an 8-ft. Parshall flume set in a 60 ft. wide concrete structure that acts as a weir at high flows. The DCP is the primary record. Datum of gage is 7,665.30 ft above mean sea level.

REMARKS.--Flows controlled by diversion dam upstream of gage through the Oso Diversion Tunnel into the Azotea Tunnel, as part of the U.S.B.R. San Juan-Chama project. Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 7, 18, 19, 24 and 26, 1996; Jan. 8, 9, 15-25 and 28; Feb. 10, 1997. Records good, except winter periods, which are poor, and periods of flow above 140 cfs, which are fair. Station maintained by U.S.B.R. Records developed by Scott D. Brinton.

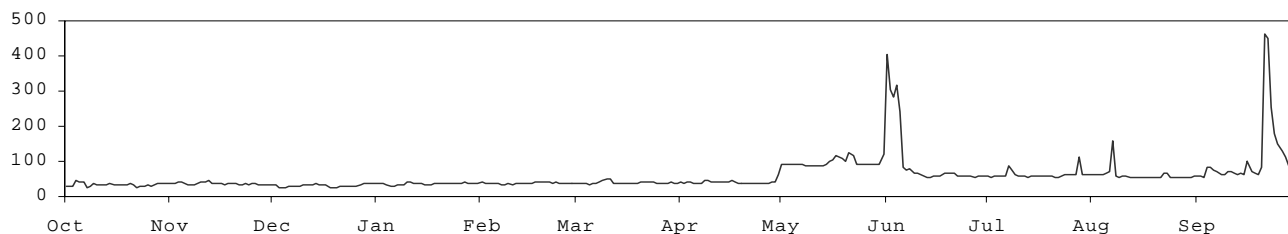
RATING TABLE.--NAVOSOCO03 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	37	34	36	40	36	40	92	403	57	63	58
2	31	36	34	36	39	36	39	91	303	56	64	57
3	31	43	27	36	39	37	40	91	282	57	64	56
4	44	40	24	33	37	38	40	93	318	58	64	85
5	43	36	27	31	38	35	39	93	241	57	68	84
6	42	32	31	31	37	36	39	90	82	57	72	77
7	26	32	29	32	33	39	39	90	74	86	160	71
8	31	35	30	32	33	43	45	89	78	76	60	64
9	36	38	31	33	36	47	44	89	66	61	56	62
10	35	40	33	42	34	51	42	89	66	58	58	69
11	34	43	35	42	37	51	42	89	62	57	57	71
12	34	44	35	38	37	39	42	89	57	57	56	67
13	34	39	35	37	38	37	43	89	56	56	56	63
14	36	36	37	38	36	38	42	93	56	57	55	66
15	35	36	33	34	36	39	42	100	57	58	56	62
16	34	36	33	35	38	39	44	103	57	59	55	101
17	34	35	32	35	40	38	40	117	57	59	56	72
18	32	36	26	36	40	38	39	113	66	58	56	66
19	33	38	24	36	41	38	38	107	68	58	55	63
20	37	37	26	37	43	40	38	99	65	58	56	83
21	33	35	30	38	41	40	39	124	65	56	56	463
22	27	35	31	37	39	40	38	115	60	55	65	451
23	31	38	31	38	41	40	38	92	60	57	66	255
24	30	35	30	37	39	40	38	92	60	61	55	181
25	32	36	31	36	39	38	38	92	59	61	56	149
26	29	39	30	37	37	37	39	92	57	63	56	128
27	33	35	35	41	39	38	38	90	56	64	56	113
28	38	34	37	38	36	39	40	90	58	113	56	88
29	39	35	37	39	---	40	40	90	58	63	55	76
30	36	35	37	38	---	39	61	93	57	63	56	77
31	38	---	37	39	---	39	---	122	---	63	59	---
TOTAL	1057	1106	982	1128	1063	1225	1226	2998	3104	1919	1923	3378
MEAN	34.1	36.9	31.7	36.4	38.0	39.5	40.9	96.7	103	61.9	62.0	113
AC-FT	2100	2190	1950	2240	2110	2430	2430	5950	6160	3810	3810	6700
MAX	44	44	37	42	43	51	61	124	403	113	160	463
MIN	26	32	24	31	33	35	38	89	56	55	55	56
CAL YR 1996 TOTAL		16012	MEAN	43.7	MAX	93	MIN	24	AC-FT	31760		
WTR YR 1997 TOTAL		21109	MEAN	57.8	MAX	463	MIN	24	AC-FT	41870		

MAX DISCH 1047 CFS AT 0315 01-JUN-1997 GH 4.62 FT. SHIFT 0.01 FT. MAX GH 4.62 FT. AT 0315 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

LITTLE OSO DIVERSION NEAR CHROMO, CO

LOCATION.--Lat 37°04'38", long 106°48'38", in SW¼SE¼ sec. 23, T.33 N., R.1 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter and well at a 6 foot Parshall flume.

REMARKS.--Record good. Station maintained by the U.S.B.R. and records developed by Scott D. Brinton.

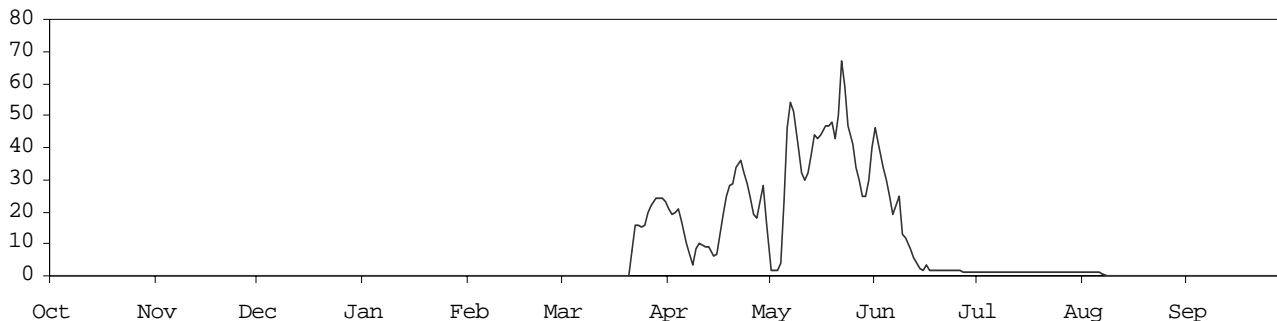
RATING TABLE.--LOSODVCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	21	1.6	46	1.4	1.3	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	19	1.6	41	1.4	1.3	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	20	1.6	34	1.4	1.3	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	21	3.8	30	1.4	1.3	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	17	23	25	1.4	1.3	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	10	46	19	1.4	1.3	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	6.6	54	22	1.4	0.54	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	3.4	51	25	1.4	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	8.3	40	13	1.4	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	10	32	12	1.4	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	9.7	30	8.3	1.4	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	8.9	32	5.7	1.4	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	8.9	38	4.2	1.4	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	6.4	44	2.0	1.4	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	6.7	43	1.8	1.4	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	13	44	3.1	1.4	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	19	47	1.9	1.4	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	25	47	1.7	1.3	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	28	48	1.7	1.3	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	29	43	1.7	1.3	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	7.7	34	50	1.7	1.3	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	16	36	67	1.7	1.3	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	16	32	59	1.7	1.3	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	15	29	47	1.6	1.3	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	16	24	41	1.6	1.3	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	20	19	34	1.5	1.3	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	22	18	30	1.4	1.3	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	24	23	25	1.4	1.3	0.0	0.0
29	0.0	0.0	0.0	0.0	---	24	28	25	1.4	1.3	0.0	0.0
30	0.0	0.0	0.0	0.0	---	24	17	30	1.4	1.3	0.0	0.0
31	0.0	---	0.0	0.0	---	23	---	40	---	1.3	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	207.7	550.9	1118.6	314.5	42.0	8.34	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	6.70	18.4	36.1	10.5	1.35	0.27	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	412	1090	2220	624	83	17	0.0
MAX	0.0	0.0	0.0	0.0	0.0	24	36	67	46	1.4	1.3	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	3.4	1.6	1.4	1.3	0.0	0.0
CAL YR 1996 TOTAL	478.96		MEAN	1.31	MAX	39	MIN	0.00	AC-FT	950		
WTR YR 1997 TOTAL	2242.04		MEAN	6.14	MAX	67	MIN	0.00	AC-FT	4450		

MAX DISCH 80 CFS AT 1715 22-MAY-1997 GH 2.13 FT. SHIFT 0.00 FT. MAX GH 2.13 FT. AT 1715 22-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 1,3,5, 8, 15 and 16, 1996. Float frozen in ice in well Dec. 9-14 and 17-31, 1996; Jan. 1-31; Feb. 1-28; March 1-21, 1997. Record fair, except for estimated daily discharges, which are poor. Diversions for irrigation of up to 80 acres upstream of gage. Station maintained and records developed by David A. Nelson, Frank J. Kugel and Scott D. Brinton.

RATING TABLE.--FLOALECO04 USED FROM 01-OCT-1996 TO 30-SEP-1997

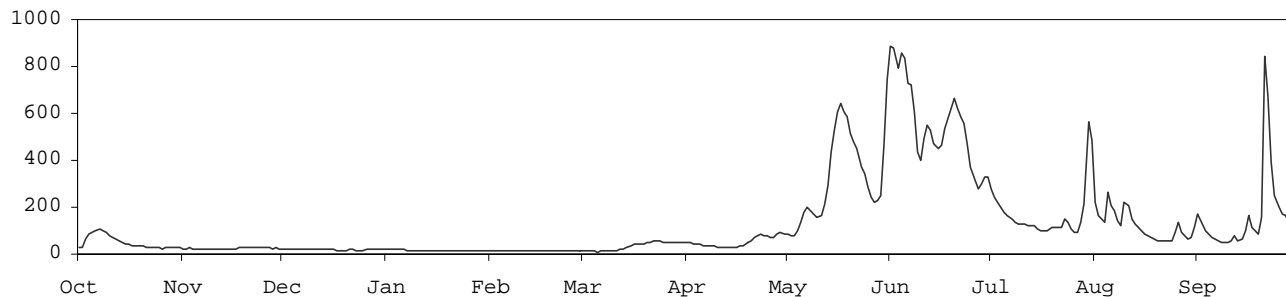
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	24	20	20	14	13	52	86	883	277	224	174
2	25	24	23	20	14	12	48	81	878	241	167	126
3	67	25	20	22	13	12	45	81	792	223	150	100
4	84	24	22	20	13	11	44	100	857	202	138	85
5	90	23	20	19	12	10	40	139	838	182	265	73
6	102	22	21	18	12	11	38	177	731	167	204	65
7	106	20	19	16	11	11	36	200	719	153	186	58
8	100	22	20	15	11	13	34	187	609	139	142	52
9	91	21	20	14	12	14	34	172	437	132	122	49
10	80	21	22	12	12	16	32	155	399	129	220	47
11	70	21	24	13	12	16	30	167	492	127	206	55
12	61	22	24	13	12	20	30	214	547	121	153	78
13	55	23	22	13	12	20	30	295	526	122	131	59
14	50	23	20	12	12	26	28	436	474	118	113	67
15	46	24	18	12	12	34	27	526	451	110	98	98
16	43	21	19	12	13	40	29	604	462	103	86	165
17	39	22	16	12	14	42	33	640	533	100	76	112
18	37	27	15	14	14	44	37	604	582	97	72	98
19	36	26	16	16	15	46	47	586	622	112	65	87
20	35	27	16	16	15	50	57	512	662	117	59	154
21	29	27	18	15	16	52	72	481	623	111	54	840
22	27	31	18	15	15	54	82	447	585	111	55	670
23	30	31	17	15	16	59	89	372	557	148	56	390
24	28	27	16	14	17	60	82	344	471	138	55	253
25	28	28	17	14	17	53	75	289	368	106	93	200
26	24	27	18	16	16	49	68	241	313	95	133	174
27	28	26	20	15	15	49	71	223	275	92	92	162
28	30	24	19	15	14	49	86	226	301	134	76	134
29	28	26	18	15	---	51	91	250	332	214	67	115
30	29	23	19	15	---	51	85	462	325	563	69	103
31	27	---	20	16	---	53	---	744	---	486	114	---
TOTAL	1551	732	597	474	381	1041	1552	10041	16644	5170	3741	4843
MEAN	50.0	24.4	19.3	15.3	13.6	33.6	51.7	324	555	167	121	161
AC-FT	3080	1450	1180	940	756	2060	3080	19920	33010	10250	7420	9610
MAX	106	31	24	22	17	60	91	744	883	563	265	840
MIN	24	20	15	12	11	10	27	81	275	92	54	47

CAL YR 1996 TOTAL 18352.1 MEAN 50.1 MAX 537 MIN 5.0 AC-FT 36400
WTR YR 1997 TOTAL 46767 MEAN 128 MAX 883 MIN 10 AC-FT 92760

MAX DISCH 1106 CFS AT 2230 01-JUN-1997 GH 3.87 FT. SHIFT -0.10 FT. MAX GH 3.87 FT. AT 2230 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder with satellite telemetry and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete and reliable. Records good. Diversions for irrigation of up to 80 acres upstream of gage. Flow regulated by Lemon Reservoir, capacity 40,100 acre-feet. Station maintained and records developed by David A. Nelson, Frank J. Kugel and Scott D. Brinton.

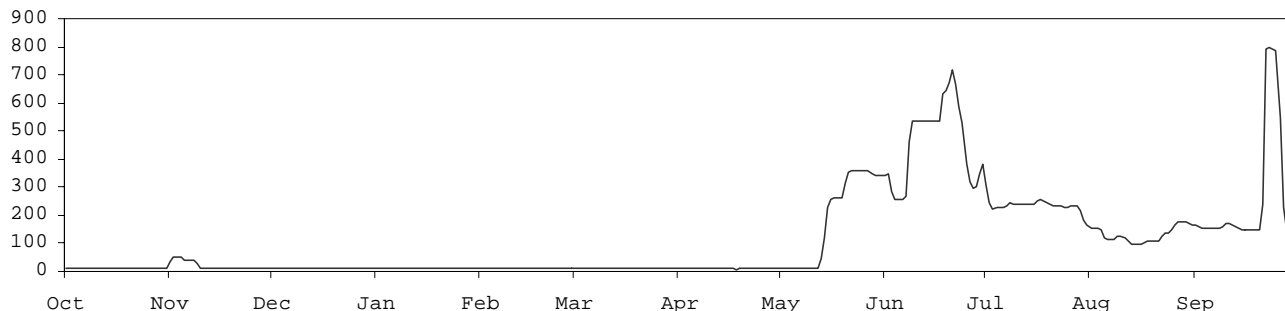
RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	36	9.7	9.7	9.7	9.5	11	10	343	308	155	168
2	8.8	49	9.5	9.7	9.7	9.3	11	10	345	243	155	160
3	8.8	50	9.7	9.7	9.7	9.2	11	10	287	225	156	155
4	8.8	50	9.7	9.7	9.7	9.3	11	10	256	229	148	155
5	8.8	42	9.7	9.7	9.7	9.2	11	10	258	229	120	155
6	8.8	38	9.7	9.7	9.7	9.2	12	10	259	229	112	155
7	8.8	38	9.7	9.7	9.7	9.2	11	10	270	233	112	155
8	8.8	38	9.7	9.7	9.7	9.2	11	11	462	243	116	155
9	9.0	26	9.7	9.7	9.7	9.3	11	11	533	242	126	160
10	9.1	9.2	9.7	9.7	9.7	9.6	11	11	533	242	127	170
11	9.2	9.2	9.7	9.7	9.7	9.7	11	11	533	242	121	170
12	9.2	9.2	9.7	9.7	9.7	9.7	11	11	533	241	109	166
13	9.2	9.2	9.7	9.7	9.7	9.7	11	43	534	241	99	157
14	9.2	9.2	9.7	9.7	9.7	9.7	11	122	534	241	99	154
15	9.2	9.2	9.7	9.7	9.7	9.9	11	228	534	241	99	148
16	9.2	9.2	9.7	9.7	9.7	10	11	259	535	251	99	148
17	9.2	9.2	9.7	9.7	9.7	10	9.6	260	534	255	105	148
18	9.2	9.2	9.7	9.6	9.7	10	7.8	262	633	252	110	148
19	9.3	9.5	9.7	9.7	9.7	10	10	263	645	244	110	148
20	9.3	9.6	9.7	9.7	10	11	10	314	671	237	110	148
21	9.2	9.7	9.7	9.7	10	11	10	356	716	236	110	238
22	9.2	9.7	9.7	9.7	10	11	10	357	667	236	126	792
23	9.3	9.7	9.7	9.7	10	11	10	358	589	232	139	796
24	9.3	9.7	9.7	9.7	9.8	11	10	359	529	229	139	792
25	9.6	9.7	9.7	9.7	9.7	11	10	359	380	229	148	788
26	9.6	9.7	9.5	9.7	9.3	11	10	359	318	231	163	546
27	9.7	9.7	9.7	9.7	9.4	11	10	358	299	232	177	230
28	9.8	9.7	9.7	9.7	9.7	11	10	346	304	232	177	140
29	9.7	9.7	9.7	9.7	---	11	10	339	346	215	175	140
30	9.7	9.7	9.7	9.7	---	11	10	339	379	185	170	140
31	9.7	---	9.7	9.7	---	11	---	340	---	167	166	---
TOTAL	285.5	565.9	300.3	300.6	272.2	313.7	314.4	5746	13759	7292	4078	7725
MEAN	9.21	18.9	9.69	9.70	9.72	10.1	10.5	185	459	235	132	258
AC-FT	566	1120	596	596	540	622	624	11400	27290	14460	8090	15320
MAX	9.8	50	9.7	9.7	10	11	12	359	716	308	177	796
MIN	8.8	9.2	9.5	9.6	9.3	9.2	7.8	10	256	167	99	140
CAL YR 1996 TOTAL	23299.1		MEAN	63.7	MAX	254	MIN	8.8	AC-FT	46210		
WTR YR 1997 TOTAL	40952.6		MEAN	112	MAX	796	MIN	7.8	AC-FT	81230		

MAX DISCH 815 CFS AT 0600 22-SEP-1997 GH 4.69 FT. SHIFT 0.00 FT. MAX GH 4.69 FT. AT 0600 22-SEP-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

09357500 ANIMAS RIVER AT HOWARDSVILLE, CO

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., NMPM, San Juan County.

DRAINAGE AREA.--55.9 mi².

GAGE.--Water-stage recorder. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 17 and 28; Dec. 1,3,5 and 13, 15, 17-19, 24, 25 and 29, 1996; Jan. 5, 7-9, 15-18, 20, 25, 28 and 30; Feb. 4, 7-12, 14-16, 19-22 and 26; March 1-11; April 6-8 and 12-14, 1997. Float frozen in ice in well Dec. 20-22, 1996. Inlets left closed August 14-29, 1997. Record good, except for the winter period and the days when the valves were left closed, which is poor. Diversions for Mineral Point transmountain diversion upstream of gage. Station maintained by David A. Nelson and records developed by David A. Nelson and Scott D. Brinton.

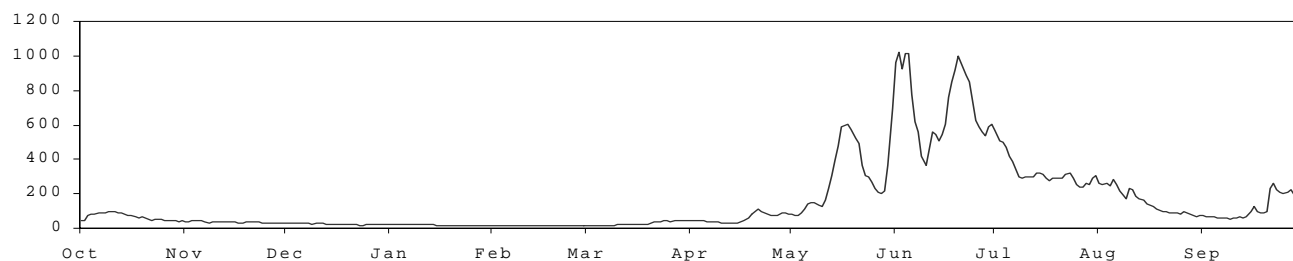
RATING TABLE.--ANIHOWCO08 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	40	30	20	18	17	46	80	961	567	264	72
2	43	39	30	20	18	17	44	74	1020	510	253	68
3	77	42	29	21	17	17	44	76	921	500	260	64
4	81	42	29	20	17	17	46	89	1010	467	248	64
5	83	41	28	20	18	18	41	113	1010	418	284	63
6	87	41	27	19	17	18	38	138	776	385	252	61
7	91	39	28	19	16	18	36	150	621	341	219	58
8	93	33	28	19	16	18	34	149	560	301	192	56
9	94	34	26	19	16	18	35	137	416	291	173	55
10	96	35	27	19	17	19	33	130	366	297	234	56
11	94	35	27	19	17	19	31	161	461	297	220	56
12	89	36	27	19	17	20	30	230	559	295	187	64
13	86	37	26	20	17	21	28	305	542	317	174	62
14	85	37	26	19	17	21	28	395	507	319	165	69
15	78	37	25	18	17	21	29	480	543	313	145	94
16	73	35	24	18	17	21	34	588	606	293	135	123
17	67	31	24	18	17	21	45	595	757	279	125	100
18	62	31	23	18	17	21	60	605	847	292	115	93
19	64	34	23	18	17	24	81	573	919	288	105	88
20	61	36	22	18	17	31	96	520	1000	287	100	97
21	53	35	21	18	16	36	112	494	928	287	95	234
22	48	38	20	17	16	37	100	368	887	310	90	263
23	49	38	12	17	16	40	92	306	846	319	90	223
24	50	33	18	17	16	45	83	301	736	293	90	208
25	51	32	19	17	16	42	75	265	627	257	85	199
26	43	31	21	18	16	40	74	234	590	238	95	208
27	43	31	21	18	17	44	78	206	558	238	90	225
28	44	31	21	18	17	43	90	201	540	258	80	197
29	41	32	21	18	---	45	88	216	589	256	75	169
30	40	30	21	18	---	41	80	362	606	294	70	148
31	42	---	20	18	---	45	---	693	---	304	72	---
TOTAL	2052	1066	744	575	470	855	1731	9234	21309	10111	4782	3537
MEAN	66.2	35.5	24.0	18.5	16.8	27.6	57.7	298	710	326	154	118
AC-FT	4070	2110	1480	1140	932	1700	3430	18320	42270	20060	9490	7020
MAX	96	42	30	21	18	45	112	693	1020	567	284	263
MIN	40	30	12	17	16	17	28	74	366	238	70	55
CAL YR 1996 TOTAL		38481	MEAN	105	MAX	837	MIN	12	AC-FT	76330		
WTR YR 1997 TOTAL		56466	MEAN	155	MAX	1020	MIN	12	AC-FT	112000		

MAX DISCH 1438 CFS AT 2315 01-JUN-1997 GH 3.72 FT. SHIFT -0.03 FT. MAX GH 3.72 FT. AT 2315 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS, CO

LOCATION.--Lat 37°19'26", long 108°03'41", in SE¼NW¼ sec. 3, T.35 N., R.11 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a shelter and well at a 5 foot Parshall flume.

REMARKS.--Record good. Station maintained by J. Russell Kennedy and Matthew A. Schmitt. Records developed by Scott D. Brinton.

RATING TABLE.--LPCDITCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

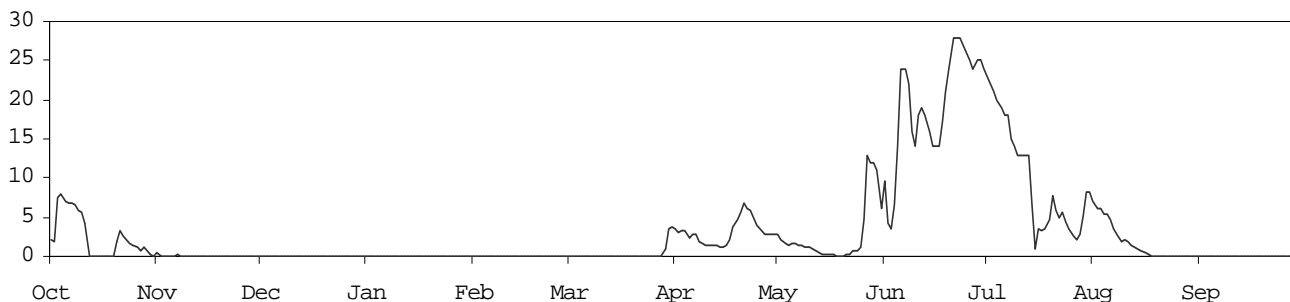
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	0.40	0.0	0.0	0.0	0.0	3.6	2.7	9.5	23	7.1	0.0
2	1.9	0.04	0.0	0.0	0.0	0.0	3.0	2.1	4.2	22	6.1	0.0
3	7.6	0.0	0.0	0.0	0.0	0.0	3.2	1.7	3.4	21	6.1	0.0
4	7.9	0.0	0.0	0.0	0.0	0.0	3.3	1.5	6.6	20	5.3	0.0
5	7.0	0.0	0.0	0.0	0.0	0.0	2.4	1.6	14	19	5.3	0.0
6	6.7	0.07	0.0	0.0	0.0	0.0	2.7	1.6	24	18	4.7	0.0
7	6.8	0.21	0.0	0.0	0.0	0.0	2.7	1.5	24	18	3.6	0.0
8	6.5	0.0	0.0	0.0	0.0	0.0	1.8	1.3	22	15	2.8	0.0
9	5.9	0.0	0.0	0.0	0.0	0.0	1.6	1.2	16	14	1.8	0.0
10	5.6	0.0	0.0	0.0	0.0	0.0	1.4	1.1	14	13	2.0	0.0
11	4.3	0.0	0.0	0.0	0.0	0.0	1.4	0.89	18	13	1.8	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.70	19	13	1.4	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.47	18	13	1.2	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.31	16	6.6	0.96	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.22	14	0.90	0.79	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.17	14	3.6	0.52	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.13	14	3.2	0.33	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	17	3.5	0.05	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	21	4.8	0.0	0.0
20	1.8	0.0	0.0	0.0	0.0	0.0	5.7	0.0	24	7.7	0.0	0.02
21	3.2	0.0	0.0	0.0	0.0	0.0	6.7	0.25	28	5.9	0.0	0.03
22	2.6	0.0	0.0	0.0	0.0	0.0	6.2	0.13	28	4.9	0.0	0.01
23	2.1	0.0	0.0	0.0	0.0	0.0	5.9	0.68	28	5.6	0.07	0.0
24	1.6	0.0	0.0	0.0	0.0	0.0	5.0	0.80	27	4.4	0.06	0.0
25	1.4	0.0	0.0	0.0	0.0	0.0	3.9	1.1	26	3.5	0.0	0.0
26	1.1	0.0	0.0	0.0	0.0	0.0	3.3	4.8	25	2.6	0.0	0.0
27	0.77	0.0	0.0	0.0	0.0	0.0	2.7	13	24	2.2	0.0	0.0
28	1.1	0.0	0.0	0.0	0.0	0.0	2.7	12	25	2.7	0.0	0.0
29	0.82	0.0	0.0	0.0	---	1.0	2.8	12	25	5.2	0.0	0.0
30	0.31	0.0	0.0	0.0	---	3.6	2.7	11	24	8.3	0.0	0.0
31	0.11	---	0.0	0.0	---	3.7	---	6.0	---	8.2	0.0	---
TOTAL	79.31	0.72	0.0	0.0	0.0	8.3	91.6	80.94	572.7	305.80	51.98	0.06
MEAN	2.56	0.02	0.0	0.0	0.0	0.27	3.05	2.61	19.1	9.86	1.68	0.00
AC-FT	157	1.4	0.0	0.0	0.0	16	182	161	1140	607	103	0.11
MAX	7.9	0.40	0.0	0.0	0.0	3.7	6.7	13	28	23	7.1	0.03
MIN	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	3.4	0.90	0.0	0.0

CAL YR 1996 TOTAL 1002.56 MEAN 2.74 MAX 31 MIN 0.00 AC-FT 1990
WTR YR 1997 TOTAL 1191.42 MEAN 3.26 MAX 28 MIN 0.00 AC-FT 2360

MAX DISCH 30 CFS AT 2130 20-JUN-1997 GH 1.28 FT. SHIFT 0.00 FT. MAX GH 1.28 FT. AT 2130 20-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

PINE RIDGE DITCH NEAR HESPERUS, CO

LOCATION.--Lat 37°17'31", long 108°02'07", in SW¼NE¼ sec. 14, T.35 N., R.11 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a shelter and well at a 3 foot Parshall flume.

REMARKS.--Record good. Station maintained by J. Russell Kennedy and Matthew A. Schmitt. Records developed by Scott D. Brinton.

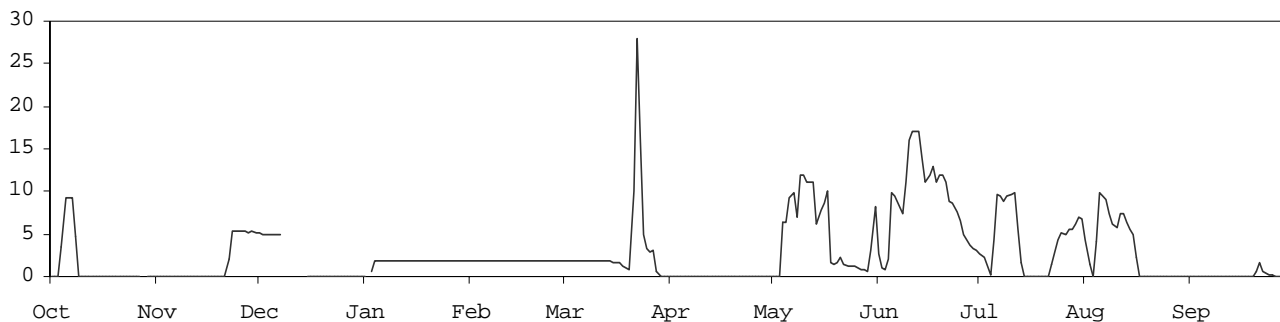
RATING TABLE.--PINDITCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	2.6	2.6	4.4	0.0
2	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	1.00	2.3	1.5	0.0
3	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.74	1.2	0.0	0.0
4	3.5	0.0	5.0	0.0	0.0	0.0	0.0	6.3	2.0	0.24	4.2	0.0
5	9.3	0.0	5.0	0.0	0.0	0.0	0.0	8.5	9.9	4.3	9.9	0.0
6	9.3	0.0	5.0	0.0	0.0	0.0	0.0	9.3	9.4	9.6	9.4	0.0
7	9.3	0.0	4.9	0.0	0.0	0.0	0.0	9.8	8.7	9.4	9.0	0.0
8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	7.0	7.4	8.9	7.5	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	11	9.4	6.2	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	16	9.6	5.7	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	17	9.8	7.3	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	17	5.5	7.4	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	17	1.6	6.3	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	14	0.01	5.5	0.0
15	0.0	0.0	0.0	0.0	0.0	1.7	0.0	7.9	11	0.0	4.9	0.0
16	0.0	0.0	0.0	0.0	0.0	1.7	0.0	8.6	12	0.0	2.2	0.0
17	0.0	0.0	0.0	0.0	0.0	1.6	0.0	10	13	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.6	11	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.5	12	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.74	0.0	1.6	12	0.0	0.0	0.59
21	0.0	0.0	0.0	0.0	0.0	10	0.0	2.3	11	0.0	0.0	1.7
22	0.0	2.0	0.0	0.0	0.0	28	0.0	1.5	8.9	1.5	0.0	0.57
23	0.0	5.4	0.0	0.0	0.0	16	0.0	1.2	8.6	2.9	0.0	0.34
24	0.0	5.4	0.0	0.0	0.0	4.9	0.0	1.2	7.7	4.3	0.0	0.25
25	0.0	5.3	0.0	0.0	0.0	3.2	0.0	1.3	6.5	5.2	0.0	0.14
26	0.0	5.3	0.0	0.0	0.0	2.9	0.0	1.0	5.0	5.0	0.0	0.0
27	0.0	5.3	0.0	0.0	0.0	3.0	0.0	0.88	4.4	5.6	0.0	0.0
28	---	5.2	0.0	0.0	0.0	0.62	0.0	0.74	3.8	5.6	0.0	0.0
29	0.0	5.3	0.0	0.0	---	0.0	0.0	0.53	3.2	6.1	0.0	0.0
30	0.0	5.1	0.0	0.0	---	0.0	0.0	3.1	3.0	7.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	8.2	---	6.7	0.0	---
TOTAL		44.3	35.1	0.0	0.0	76.76	0.0	157.14	266.84	124.35	91.4	3.58
MEAN		1.48	1.13	0.0	0.0	2.48	0.0	5.07	8.89	4.01	2.95	0.12
AC-FT		88	70	0.0	0.0	152	0.0	312	529	247	181	7.1
MAX		5.4	5.2	0.0	0.0	28	0.0	12	17	9.8	9.9	1.7
MIN		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.74	0.0	0.0	0.0
CAL YR 1996 TOTAL		421.59	MEAN	1.15	MAX	13	MIN	0.00	AC-FT	836		
WTR YR 1997 TOTAL		799.48	MEAN	2.19	MAX	28	MIN	0.00	AC-FT	1590		

MAX DISCH 30 CFS AT 0230 22-MAR-1997 GH 1.79 FT. SHIFT 0.00 FT. MAX GH 1.79 FT. AT 0230 22-MAR-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

09365500 LA PLATA RIVER AT HESPERUS, CO

LOCATION.--Lat 37°17'23", long 108°02'24", in NE¼SW¼ sec. 14, T.35 N., R.11 W., NMPM La Plata County, Hydrologic Unit 14080105, on right bank at Hesperus 700 ft downstream from U.S. Highway 160.

DRAINAGE AREA AND PERIOD OF RECORD.--37 mi², approximately. Periodic data June 1904 to Nov. 1910. Continuous from June 1917 to current year, with some periods of monthly data only.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,104.71 ft above National Geodetic Vertical Datum of 1929. DCP is the primary record.

REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 1, 3, 5, 15-18, 1996; Jan. 5, 7-13; Feb. 2-5, 7-16, 19-22, 24-28; Mar. 1-11, 1997. Float frozen in well Dec. 19-27, 1996; Jan. 14-30, 1997. Inlets left closed May 31-June 1, 1997. Record good, except for the winter period and the days when the valves were left closed, which is poor. Station maintained and record developed by Scott Brinton.

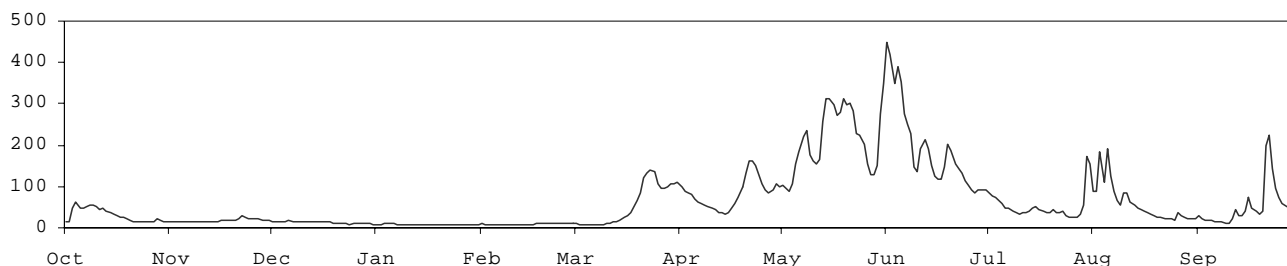
RATING TABLE.--LAPHESCO32 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	14	16	8.4	9.6	10	101	103	450	85	88	29
2	15	14	15	8.4	9.0	9.0	90	94	420	76	87	23
3	47	14	14	11	9.0	9.0	84	87	350	73	185	20
4	62	14	13	10	9.0	9.0	82	105	391	68	109	18
5	46	14	13	10	8.5	8.0	70	153	352	58	192	17
6	47	14	17	9.6	8.4	8.0	62	183	277	49	124	16
7	50	14	16	9.0	8.5	8.0	57	220	250	49	87	15
8	54	14	14	9.0	8.0	8.0	54	236	229	40	67	13
9	56	14	14	9.0	8.0	9.0	53	178	146	37	56	12
10	50	13	15	9.0	8.0	10	49	160	135	34	84	12
11	45	13	16	9.0	8.0	11	43	155	193	35	84	21
12	47	13	15	9.0	8.5	14	38	167	212	36	63	44
13	41	13	15	9.0	8.5	14	35	257	190	41	54	28
14	36	14	16	7.0	8.5	18	34	314	150	47	49	28
15	32	16	15	9.0	8.5	24	37	311	124	53	44	41
16	30	18	14	8.0	9.0	28	48	297	119	45	39	72
17	27	19	14	8.0	10	36	60	271	118	39	37	47
18	25	19	15	8.0	10	51	75	281	148	37	32	39
19	23	20	12	8.0	11	65	101	312	204	37	30	32
20	19	20	11	8.0	11	86	134	298	187	44	27	39
21	14	23	11	8.5	11	120	160	301	153	37	25	198
22	13	28	11	8.5	11	131	161	283	142	35	23	225
23	13	24	11	8.5	11	139	152	227	133	42	23	143
24	13	22	9.0	8.0	12	135	128	226	115	31	21	97
25	13	21	10	7.5	12	108	105	202	104	27	20	73
26	13	21	10	8.0	11	94	91	156	92	24	35	60
27	14	21	10	8.5	10	94	85	129	86	24	29	53
28	21	20	9.7	8.5	11	99	92	129	91	33	25	46
29	17	20	9.9	8.0	---	108	105	149	91	54	22	40
30	15	18	10	8.5	---	107	100	277	91	171	21	36
31	14	---	8.7	8.5	---	109	---	350	---	155	22	---
TOTAL	926	522	400.3	267.4	268.0	1679.0	2486	6611	5743	1616	1804	1537
MEAN	29.9	17.4	12.9	8.63	9.57	54.2	82.9	213	191	52.1	58.2	51.2
AC-FT	1840	1040	794	530	532	3330	4930	13110	11390	3210	3580	3050
MAX	62	28	17	11	12	139	161	350	450	171	192	225
MIN	13	13	8.7	7.0	8.0	8.0	34	87	86	24	20	12
CAL YR 1996 TOTAL		8863.8	MEAN	24.2	MAX	149	MIN	4.0	AC-FT	17580		
WTR YR 1997 TOTAL		23859.7	MEAN	65.4	MAX	450	MIN	7.0	AC-FT	47330		

MAX DISCH 607 CFS AT 2330 01-JUN-1997 GH 4.26 FT. SHIFT -0.12 FT. MAX GH 4.26 FT. AT 2330 01-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

CHERRY CREEK AT THE MOUTH NEAR RED MESA, CO

LOCATION.--Lat 37°07'03", long 108°11'53", in NW¼SW¼ sec. 7, T.33 N., R.12 W., NMPM, La Plata County.

DRAINAGE AREA.--66 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 6,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is reliable except for the following periods: Stage-discharge relationship affected by ice Nov 30; Dec. 1, 4, 5, 13-20 and 22-31, 1996; Jan. 1-29; Feb. 6, 9, 11, 12, 16 and 19-25; March 1 and 5, 1997. Record fair, except for estimated daily discharges, which are poor. Station maintained and records developed by J. Russell Kennedy and Scott D. Brinton.

RATING TABLE.--CHEREDCO02 USED FROM 01-OCT-1996 TO 30-SEP-1997

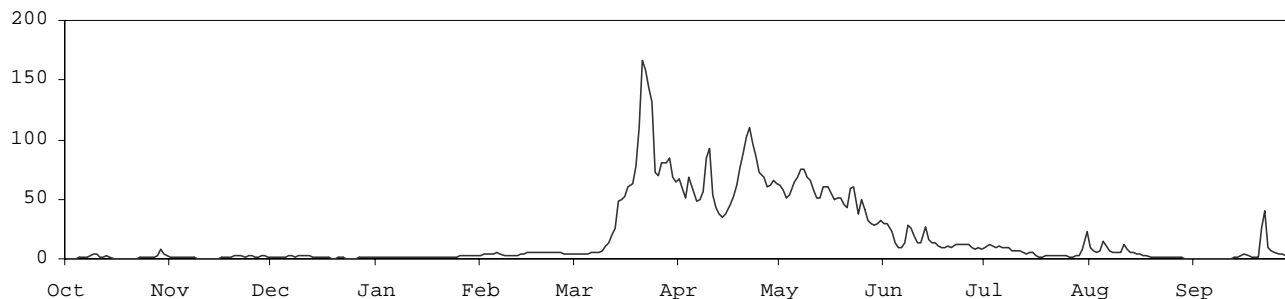
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	1.8	1.8	1.2	3.0	3.5	67	62	30	9.6	9.0	0.0
2	0.0	1.2	1.8	1.2	3.4	3.8	59	58	30	12	6.4	0.0
3	0.0	0.95	1.2	1.6	3.7	4.0	51	51	23	11	5.9	0.0
4	0.0	0.98	1.2	1.8	3.7	4.3	69	54	14	10	6.3	0.0
5	1.2	1.1	1.2	1.6	4.6	4.0	61	65	10	11	15	0.41
6	1.4	0.98	2.4	1.6	5.0	5.5	48	69	10	10	11	0.52
7	1.2	0.77	2.2	1.6	3.9	5.1	49	75	14	9.9	7.3	0.52
8	2.8	0.69	1.6	1.6	2.5	5.7	56	75	28	9.5	5.9	0.43
9	3.6	0.60	2.1	1.4	2.5	7.3	84	69	26	7.1	5.1	0.17
10	3.6	0.50	2.2	1.6	2.5	11	92	66	19	6.9	5.2	0.01
11	1.5	0.50	2.8	1.6	2.5	14	54	58	14	6.2	12	0.22
12	2.0	0.41	2.9	2.0	3.0	20	43	51	13	5.4	7.6	0.61
13	2.5	0.43	1.4	1.8	3.6	25	37	51	27	4.4	5.9	0.71
14	1.0	0.54	1.2	1.8	3.9	48	35	60	16	4.9	5.3	0.73
15	0.57	0.60	1.0	1.8	4.8	50	37	60	13	5.2	4.5	2.1
16	0.44	1.5	1.0	1.6	5.0	52	46	55	13	3.1	4.0	3.8
17	0.36	1.0	0.80	1.4	5.5	60	53	49	11	1.9	3.3	2.3
18	0.18	0.87	0.80	1.2	5.5	63	62	51	9.7	2.0	2.9	1.2
19	0.23	1.1	0.60	1.2	5.5	78	76	51	9.7	2.5	2.0	0.96
20	0.43	2.1	0.60	1.4	6.0	110	89	45	11	2.5	1.9	0.95
21	0.49	2.8	0.71	1.8	5.5	167	102	43	9.7	2.6	1.2	26
22	0.24	2.4	0.80	1.6	5.5	158	110	59	12	3.1	1.5	40
23	1.6	1.3	0.50	1.8	6.0	144	97	60	12	2.6	1.5	10
24	1.7	2.2	0.50	2.0	5.5	131	86	38	12	2.6	1.6	6.7
25	1.7	3.0	0.50	2.0	6.0	73	73	49	12	2.5	1.3	5.3
26	1.2	2.0	0.60	2.5	4.2	70	69	41	12	1.6	1.6	4.5
27	1.1	2.0	0.80	3.0	3.6	80	61	32	10	1.6	1.5	3.8
28	2.6	2.4	1.0	3.0	4.3	80	62	30	8.3	2.2	0.81	3.2
29	7.6	2.3	1.2	3.0	---	84	66	28	8.8	2.8	0.29	2.8
30	3.5	2.0	1.2	3.2	---	68	63	29	8.4	8.5	0.03	2.6
31	2.4	---	1.2	2.9	---	65	---	32	---	23	0.0	---
TOTAL	47.14	41.04	39.81	57.8	120.7	1694.2	1957	1616	446.6	188.2	137.83	120.53
MEAN	1.52	1.37	1.28	1.86	4.31	54.7	65.2	52.1	14.9	6.07	4.45	4.02
AC-FT	94	81	79	115	239	3360	3880	3210	886	373	273	239
MAX	7.6	3.0	2.9	3.2	6.0	167	110	75	30	23	15	40
MIN	0.0	0.41	0.50	1.2	2.5	3.5	35	28	8.3	1.6	0.0	0.0

CAL YR 1996 TOTAL 672.09 MEAN 1.84 MAX 17 MIN 0.00 AC-FT 1330
WTR YR 1997 TOTAL 6466.84 MEAN 17.7 MAX 167 MIN 0.00 AC-FT 12830

MAX DISCH 314 CFS AT 0345 21-MAR-1997 GH 3.45 FT. SHIFT 0.05 FT. MAX GH 3.45 FT. AT 0345 21-MAR-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

LONG HOLLOW AT THE MOUTH NEAR RED MESA, CO

LOCATION.--Lat 37°03'02", long 108°10'23", in SE¼SW¼ sec. 32, T.33 N., R.12 W., NMPM, La Plata County.

DRAINAGE AREA.-- 46.5 mi².

GAGE.--Water-stage recorder with satellite telemetry and a three foot Parshall flume. Datum of gauge is 6,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 23-28, 1995; Jan. 3, 8, 24 and 27, 1996. Recorder malfunctioned Mar. 21-26, 1996. Floats frozen in ice in the well Jan. 5 and 20, 1996. Records good except for estimated daily discharges which are poor. Diversion for irrigation of up to 85 acres upstream of gage. Station maintained and records developed by J. Russell Kennedy and Scott D. Brinton.

RATING TABLE.--LONREDCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

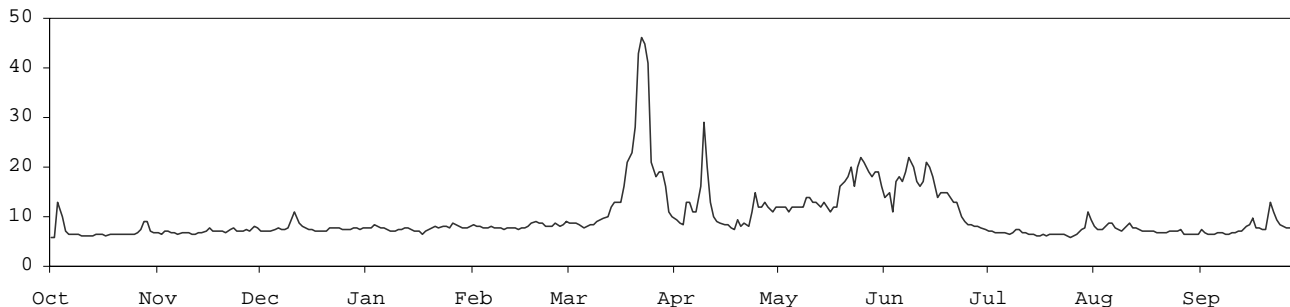
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	6.7	7.2	7.8	8.3	8.7	9.3	12	14	7.2	8.1	7.4
2	5.9	6.6	7.0	7.7	8.2	8.6	8.7	12	15	7.1	7.5	6.8
3	13	7.0	7.0	8.4	8.1	8.6	8.4	12	11	6.9	7.4	6.3
4	10	7.2	7.0	8.2	7.9	8.3	13	11	17	6.8	8.0	6.4
5	7.2	6.9	7.4	7.7	7.9	7.8	13	12	18	6.8	8.8	6.6
6	6.6	6.8	7.8	7.8	8.1	8.0	11	12	17	6.7	8.6	6.7
7	6.5	6.6	7.5	7.5	7.6	8.3	11	12	19	6.6	7.7	6.7
8	6.4	6.7	7.5	7.1	7.7	8.5	16	12	22	6.9	7.4	6.6
9	6.3	6.8	7.6	7.0	7.6	8.9	29	14	20	7.3	7.2	6.3
10	6.2	6.7	9.3	7.3	7.5	9.3	20	14	17	7.4	8.0	6.8
11	6.2	6.6	11	7.3	7.7	9.6	13	13	16	6.9	8.6	6.9
12	6.2	6.6	8.7	7.8	7.6	10	9.9	13	17	6.7	7.7	7.2
13	6.2	6.7	8.0	7.9	7.7	12	9.1	12	21	6.5	7.6	7.2
14	6.3	6.7	7.8	7.3	7.5	13	8.7	13	20	6.4	7.3	8.0
15	6.4	7.1	7.3	7.0	7.6	13	8.4	12	18	6.2	7.1	8.3
16	6.3	7.6	7.4	7.0	7.9	13	8.3	11	14	6.2	7.0	9.6
17	6.2	7.0	7.0	6.5	8.1	16	7.6	12	15	6.3	7.0	7.7
18	6.3	7.0	7.0	7.0	8.7	21	7.4	12	15	6.2	7.1	7.6
19	6.5	7.0	7.0	7.5	8.9	23	9.5	16	15	6.4	6.9	7.4
20	6.6	7.0	7.0	7.9	8.8	28	8.2	17	14	6.6	6.8	7.4
21	6.4	6.8	7.6	8.1	8.6	43	8.8	18	13	6.3	6.7	13
22	6.5	7.4	7.7	7.8	8.2	46	8.2	20	13	6.5	6.8	11
23	6.6	7.9	7.6	8.2	8.2	45	11	16	10	6.5	7.0	9.2
24	6.5	7.1	7.7	8.1	8.0	41	15	20	8.9	6.2	7.1	8.4
25	6.5	7.0	7.5	7.9	8.6	21	12	22	8.5	5.9	7.2	8.1
26	6.7	7.2	7.5	8.6	8.2	18	12	21	8.3	6.1	7.4	7.8
27	7.5	7.3	7.5	8.4	8.5	19	13	19	8.2	6.3	6.6	7.8
28	9.1	7.2	7.7	8.1	9.1	19	12	18	8.0	7.3	6.4	7.8
29	9.0	8.0	7.6	7.9	---	16	11	19	7.6	7.9	6.3	7.9
30	7.2	7.9	7.5	7.9	---	11	12	19	7.3	---	6.3	7.9
31	6.8	---	7.7	8.0	---	10	---	16	---	9.3	6.5	---
TOTAL	215.9	211.1	237.1	238.7	226.8	532.6	344.5	462	427.8	213.4	226.1	232.8
MEAN	6.96	7.04	7.65	7.70	8.10	17.2	11.5	14.9	14.3	6.88	7.29	7.76
AC-FT	428	419	470	473	450	1060	683	916	849	423	448	462
MAX	13	8.0	11	8.6	9.1	46	29	22	22	11	8.8	13
MIN	5.8	6.6	7.0	6.5	7.5	7.8	7.4	11	7.3	5.9	6.3	6.3

CAL YR 1996 TOTAL 2579.4 MEAN 7.05 MAX 27 MIN 3.8 AC-FT 5120
WTR YR 1997 TOTAL 3568.8 MEAN 9.78 MAX 46 MIN 5.8 AC-FT 7080

MAX DISCH 78 CFS AT 0100 24-MAR-1997 GH 2.73 FT. SHIFT 0.00 FT. MAX GH 2.73 FT. AT 0100 24-MAR-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE

LOCATION.--Lat 36°59'58", long 108°11'09", in NW¼SE¼ sec. 10, T.32 N., R.13 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a shelter and well at a 1 foot Parshall flume.

REMARKS.--Record good. Station maintained by J. Russell Kennedy and Matthew A. Schmitt. Records developed by Scott D. Brinton.

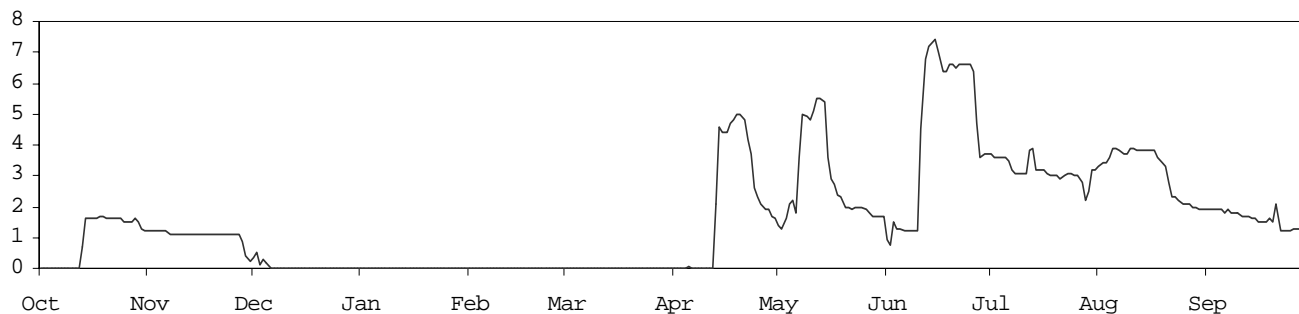
RATING TABLE.--PIODITCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	1.2	0.32	0.0	0.0	0.0	0.0	1.4	0.92	3.7	3.3	1.9
2	0.0	1.2	0.50	0.0	0.0	0.0	0.0	1.3	0.74	3.6	3.4	1.9
3	0.0	1.2	0.11	0.0	0.0	0.0	0.0	1.6	1.5	3.6	3.4	1.9
4	0.0	1.2	0.29	0.0	0.0	0.0	0.0	2.1	1.3	3.6	3.6	1.9
5	0.0	1.2	0.20	0.0	0.0	0.0	0.03	2.2	1.3	3.6	3.9	1.9
6	0.0	1.2	0.0	0.0	0.0	0.0	0.0	1.8	1.2	3.5	3.9	1.8
7	0.0	1.1	0.0	0.0	0.0	0.0	0.0	3.6	1.2	3.2	3.8	1.9
8	0.0	1.1	0.0	0.0	0.0	0.0	0.0	5.0	1.2	3.1	3.7	1.8
9	0.0	1.1	0.0	0.0	0.0	0.0	0.0	4.9	1.2	3.1	3.7	1.8
10	0.0	1.1	0.0	0.0	0.0	0.0	0.0	4.8	1.2	3.1	3.9	1.8
11	0.0	1.1	0.0	0.0	0.0	0.0	0.0	5.1	4.5	3.1	3.9	1.7
12	0.0	1.1	0.0	0.0	0.0	0.0	0.0	5.5	6.8	3.8	3.8	1.7
13	0.68	1.1	0.0	0.0	0.0	0.0	2.1	5.5	7.2	3.9	3.8	1.7
14	1.6	1.1	0.0	0.0	0.0	0.0	4.6	5.4	7.3	3.2	3.8	1.6
15	1.6	1.1	0.0	0.0	0.0	0.0	4.4	3.6	7.4	3.2	3.8	1.6
16	1.6	1.1	0.0	0.0	0.0	0.0	4.4	2.9	7.0	3.2	3.8	1.5
17	1.6	1.1	0.0	0.0	0.0	0.0	4.7	2.7	6.4	3.1	3.8	1.5
18	1.7	1.1	0.0	0.0	0.0	0.0	4.8	2.4	6.4	3.0	3.6	1.5
19	1.7	1.1	0.0	0.0	0.0	0.0	5.0	2.3	6.6	3.0	3.4	1.6
20	1.6	1.1	0.0	0.0	0.0	0.0	5.0	2.0	6.6	3.0	3.3	1.5
21	1.6	1.1	0.0	0.0	0.0	0.0	4.8	2.0	6.5	2.9	2.8	2.1
22	1.6	1.1	0.0	0.0	0.0	0.0	4.2	1.9	6.6	3.0	2.3	1.2
23	1.6	1.1	0.0	0.0	0.0	0.0	3.7	2.0	6.6	3.1	2.3	1.2
24	1.6	1.1	0.0	0.0	0.0	0.0	2.6	2.0	6.6	3.1	2.2	1.2
25	1.5	1.1	0.0	0.0	0.0	0.0	2.3	2.0	6.6	3.0	2.1	1.2
26	1.5	1.1	0.0	0.0	0.0	0.0	2.1	1.9	6.4	3.0	2.1	1.3
27	1.5	1.1	0.0	0.0	0.0	0.0	1.9	1.8	4.7	2.8	2.1	1.3
28	1.6	0.85	0.0	0.0	0.0	0.0	1.9	1.7	3.6	2.2	2.0	1.3
29	1.5	0.42	0.0	0.0	---	0.0	1.7	1.7	3.7	2.5	2.0	1.2
30	1.3	0.24	0.0	0.0	---	0.0	1.6	1.7	3.7	3.2	1.9	1.2
31	1.2	---	0.0	0.0	---	0.0	---	1.7	---	3.2	1.9	---
TOTAL	28.58	31.81	1.43	0.0	0.0	0.0	61.83	86.5	132.95	98.6	97.3	47.7
MEAN	0.92	1.06	0.05	0.0	0.0	0.0	2.06	2.79	4.43	3.18	3.14	1.59
AC-FT	57	63	2.8	0.0	0.0	0.0	123	172	264	196	193	95
MAX	1.7	1.2	0.50	0.0	0.0	0.0	5.0	5.5	7.4	3.9	3.9	2.1
MIN	0.0	0.24	0.0	0.0	0.0	0.0	0.0	1.3	0.74	2.2	1.9	1.2
CAL YR 1996 TOTAL		425.96	MEAN	1.16	MAX	4.7	MIN	0.00	AC-FT	845		
WTR YR 1997 TOTAL		586.69	MEAN	1.61	MAX	7.4	MIN	0.00	AC-FT	1160		

MAX DISCH 10 CFS AT 1845 21-SEP-1997 GH 1.88 FT. SHIFT 0.00 FT. MAX GH 1.88 FT. AT 1845 21-SEP-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

ENTERPRISE DITCH AT THE COLORADO-NEW MEXICO STATELINE

LOCATION.--Lat 37°00'50", long 108°11'18", in SW¼SE¼ sec. 3, T.32 N., R.13 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a shelter and well at a 2 foot Parshall flume.

REMARKS.--Record good. Station maintained by J. Russell Kennedy and Matthew A. Schmitt. Records developed by Scott D. Brinton.

RATING TABLE.--ENTDITCO01 USED FROM 01-OCT-1996 TO 30-SEP-1997

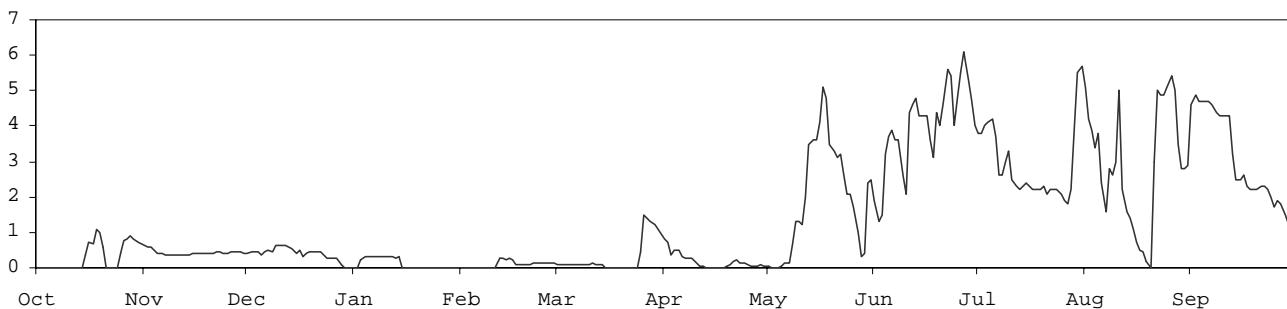
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.63	0.39	0.0	0.0	0.08	0.82	0.04	1.9	3.8	5.1	4.6
2	0.0	0.60	0.44	0.0	0.0	0.10	0.71	0.02	1.3	3.8	4.2	4.9
3	0.0	0.60	0.45	0.22	0.0	0.10	0.35	0.0	1.5	4.0	3.9	4.7
4	0.0	0.48	0.46	0.32	0.0	0.07	0.51	0.0	3.2	4.1	3.4	4.7
5	0.0	0.42	0.36	0.30	0.0	0.08	0.48	0.03	3.7	4.2	3.8	4.7
6	0.0	0.42	0.43	0.30	0.0	0.09	0.33	0.12	3.9	3.7	2.4	4.7
7	0.0	0.38	0.49	0.30	0.0	0.09	0.26	0.12	3.6	2.6	1.6	4.6
8	0.0	0.38	0.46	0.30	0.0	0.09	0.25	0.70	3.6	2.6	2.8	4.4
9	0.0	0.38	0.64	0.30	0.0	0.09	0.28	1.3	2.6	3.0	2.6	4.3
10	0.0	0.38	0.65	0.30	0.0	0.09	0.17	1.3	2.1	3.3	3.0	4.3
11	0.0	0.38	0.63	0.30	0.0	0.13	0.06	1.2	4.4	2.5	5.0	4.3
12	0.0	0.38	0.61	0.30	0.25	0.10	0.03	2.0	4.6	2.3	2.2	4.3
13	0.0	0.38	0.57	0.29	0.26	0.11	0.0	3.5	4.8	2.2	1.6	3.2
14	0.0	0.38	0.54	0.30	0.24	0.11	0.0	3.6	4.3	2.3	1.4	2.5
15	0.37	0.40	0.42	0.0	0.25	0.02	0.0	3.6	4.3	2.4	1.1	2.5
16	0.73	0.42	0.51	0.0	0.24	0.0	0.0	4.1	4.3	2.3	0.71	2.6
17	0.68	0.42	0.32	0.0	0.11	0.0	0.0	5.1	3.6	2.2	0.50	2.3
18	1.1	0.42	0.42	0.0	0.10	0.0	0.0	4.8	3.1	2.2	0.46	2.2
19	1.0	0.40	0.46	0.0	0.10	0.0	0.06	3.5	4.4	2.2	0.18	2.2
20	0.60	0.40	0.47	0.0	0.10	0.0	0.10	3.3	4.0	2.3	0.02	2.2
21	0.0	0.42	0.47	0.0	0.11	0.0	0.16	3.1	4.6	2.1	3.0	2.3
22	0.00	0.44	0.47	0.0	0.12	0.0	0.23	3.2	5.6	2.2	5.0	2.3
23	0.0	0.45	0.35	0.0	0.13	0.0	0.15	2.6	5.4	2.2	4.9	2.2
24	0.0	0.42	0.26	0.0	0.13	0.0	0.12	2.1	4.0	2.2	4.9	2.0
25	0.40	0.42	0.26	0.0	0.12	0.46	0.08	2.1	4.8	2.1	5.1	1.7
26	0.75	0.44	0.26	0.0	0.12	1.5	0.03	1.7	5.5	1.9	5.4	1.9
27	0.80	0.46	0.25	0.0	0.13	1.4	0.03	0.98	6.1	1.8	5.0	1.8
28	0.91	0.46	0.09	0.0	0.14	1.3	0.03	0.30	5.3	2.2	3.5	1.5
29	0.80	0.47	0.0	0.0	---	1.2	0.07	0.40	4.7	3.9	2.8	1.2
30	0.73	0.42	0.0	0.0	---	1.1	0.06	2.4	4.0	5.5	2.8	0.74
31	0.67	---	0.0	0.0	---	0.97	---	2.5	---	5.7	2.9	---
TOTAL	9.53	13.06	12.13	3.53	2.66	9.27	5.37	59.71	119.2	89.8	91.27	91.84
MEAN	0.31	0.44	0.39	0.11	0.10	0.30	0.18	1.93	3.97	2.90	2.94	3.06
AC-FT	19	26	24	7.0	5.3	18	11	118	236	178	181	182
MAX	1.1	0.63	0.65	0.32	0.26	1.5	0.82	5.1	6.1	5.7	5.4	4.9
MIN	0.0	0.38	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.8	0.02	0.74

CAL YR 1996 TOTAL 329.94 MEAN 0.90 MAX 4.9 MIN 0.00 AC-FT 654
WTR YR 1997 TOTAL 507.38 MEAN 1.39 MAX 6.1 MIN 0.00 AC-FT 1010

MAX DISCH 6.8 CFS AT 0800 28-JUN-1997 GH 0.90 FT. SHIFT 0.00 FT. MAX GH 0.90 FT. AT 0800 28-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

09366500 LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE

LOCATION.--Lat 36°59'59", long 108°11'17", in NW¼SE¼ sec. 10, T.32 N., R.13 W., NMPM, La Plata County, CO, Hydrologic Unit 14080105, on right bank at Colorado-New Mexico State line, 0.5 mi downstream of Johnny Pond Arroyo, and 4.9 mi north of La Plata, NM.

DRAINAGE AREA AND PERIOD OF RECORD.--331 mi². Jan. 1920 to current year. Monthly data only for some periods.

GAGE.--Water-stage recorder with satellite telemetry in a timber shelter and well. The DCP is the primary record. Datum of gage is 5,975.15 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 2-6, 15-28, 1996 ; Jan. 8, 9, 11 and 15 ; Feb. 8-13, 1997. Float frozen in ice in well Jan. 16-26, 1997. Record good except for the winter period which is poor. Station maintained and record developed by Scott D Brinton.

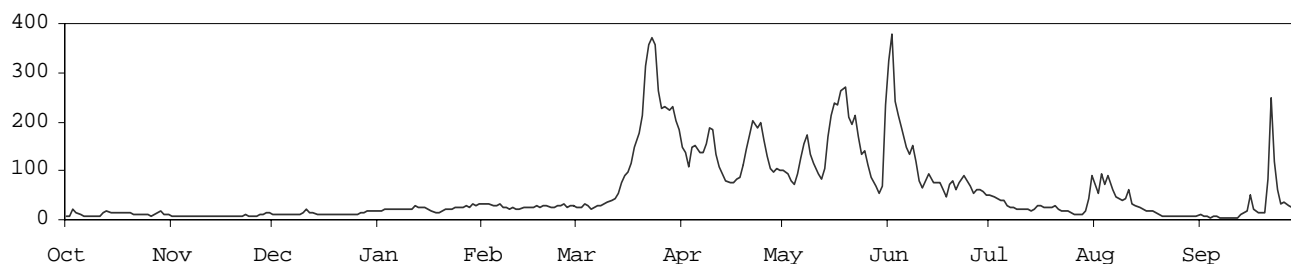
RATING TABLE.--LAPMEXCO28 USED FROM 01-OCT-1996 TO 30-SEP-1997

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	8.7	11	17	34	25	149	101	323	50	72	11
2	6.2	8.0	10	17	32	27	136	95	378	47	55	7.2
3	22	8.1	10	20	32	32	109	79	243	43	92	5.6
4	16	9.0	10	23	29	29	147	73	212	41	73	5.2
5	9.5	8.3	10	22	30	22	153	94	187	38	90	5.7
6	7.8	8.0	10	23	32	26	136	125	146	30	63	5.9
7	7.3	7.6	11	22	26	28	138	155	135	26	48	5.4
8	7.1	6.9	10	22	24	28	156	172	153	25	45	4.8
9	7.1	7.0	10	20	22	31	187	133	119	22	39	3.9
10	6.7	6.9	13	23	24	35	182	114	80	22	42	3.9
11	8.7	6.9	20	22	20	38	134	93	66	22	60	3.4
12	15	6.9	15	30	22	45	109	83	78	20	34	4.2
13	19	6.7	13	26	24	54	92	103	93	19	28	12
14	16	6.8	12	26	26	77	81	171	75	22	24	16
15	15	7.4	12	24	27	91	76	212	76	30	22	17
16	15	8.2	12	20	27	98	75	238	77	28	19	52
17	16	7.8	12	18	28	117	82	233	60	26	18	22
18	15	7.4	10	16	27	148	87	264	48	24	17	15
19	15	7.4	10	16	28	176	112	269	73	24	14	13
20	14	7.4	10	18	29	214	143	209	81	29	12	13
21	12	8.0	12	22	27	312	172	194	62	23	9.0	83
22	11	8.6	12	20	26	358	201	211	74	19	6.1	247
23	10	9.4	10	22	30	370	186	169	91	19	5.5	118
24	11	8.4	10	24	29	355	198	133	81	19	5.6	61
25	9.6	8.6	10	24	31	262	163	142	67	14	6.9	31
26	9.0	8.9	12	26	27	227	129	113	53	12	8.2	36
27	10	9.7	14	28	30	230	106	85	60	9.6	5.5	30
28	14	10	16	26	30	225	96	68	62	10	5.8	25
29	18	13	17	31	---	229	105	54	57	18	6.3	21
30	12	13	17	30	---	200	101	67	52	44	7.0	16
31	9.8	---	17	32	---	185	---	233	---	90	8.2	---
TOTAL	370.8	249.0	378	710	773	4294	3941	4485	3362	865.6	941.1	894.2
MEAN	12.0	8.30	12.2	22.9	27.6	139	131	145	112	27.9	30.4	29.8
AC-FT	735	494	750	1410	1530	8520	7820	8900	6670	1720	1870	1770
MAX	22	13	20	32	34	370	201	269	378	90	92	247
MIN	6.0	6.7	10	16	20	22	75	54	48	9.6	5.5	3.4
CAL YR 1996 TOTAL		5125.68	MEAN	14.0	MAX	76	MIN	0.98	AC-FT	10170		
WTR YR 1997 TOTAL		21263.7	MEAN	58.3	MAX	378	MIN	3.4	AC-FT	42180		

MAX DISCH 475 CFS AT 1345 02-JUN-1997 GH 5.46 FT. SHIFT 0.00 FT. MAX GH 5.46 FT. AT 1345 02-JUN-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



SAN JUAN RIVER BASIN

09370000 MANCOS RIVER NEAR MANCOS, CO

LOCATION.--Lat 37°21'13", long 108°15'41", in NE¼NE¼ sec. 27, T.36 N., R.13 W., NMPM, Montezuma County.

DRAINAGE AREA.--72.6 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete except for the following periods: Float frozen in ice in well Nov. 30, 1996 to March 13, 1997. Float resting on mud in well July 1-2, 1997. Station moved to a new location September 30, 1997. Record is reliable except for the following periods: Stage-discharge relationship affected by ice Nov 28, 1996. Diversion for irrigation of up to 4010 acres upstream of gage and for Jackson Gulch Reservoir, capacity of 9948 acre-feet. Record fair, except for estimated daily discharges, which are poor. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--MANMANCO07 USED FROM 01-OCT-1996 TO 30-SEP-1997

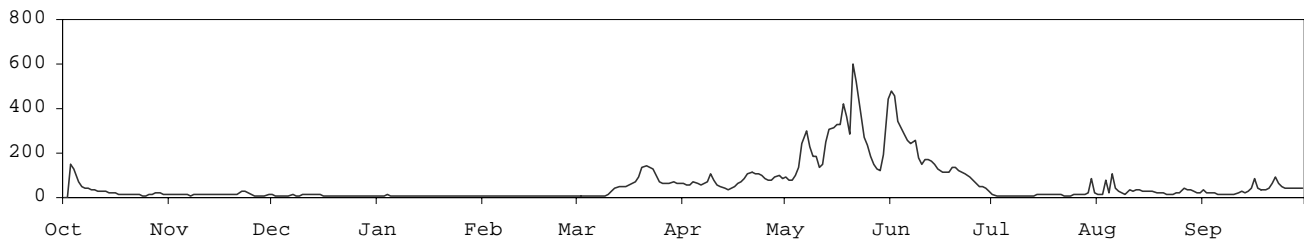
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	13	12	5.0	6.5	7.5	62	91	476	15	12	34
2	3.3	12	7.0	6.0	6.0	7.0	54	78	456	9.0	15	23
3	148	14	7.0	9.0	6.5	7.0	54	80	346	8.9	81	19
4	130	13	7.5	15	6.0	7.0	73	103	317	7.8	20	18
5	71	13	8.0	9.0	6.0	6.5	63	136	285	9.7	106	17
6	53	11	10	8.0	8.0	6.0	59	245	255	8.4	40	16
7	45	9.3	12	7.0	8.0	6.0	62	298	243	8.3	26	15
8	40	12	9.0	6.5	7.5	6.5	74	229	256	5.5	20	13
9	37	12	10	6.0	7.5	8.5	104	186	181	7.4	16	12
10	36	11	12	5.5	7.5	15	78	186	151	10	37	15
11	32	11	14	5.5	7.5	25	59	135	170	9.4	32	19
12	28	12	15	5.5	7.5	45	49	150	174	8.6	33	29
13	26	11	15	5.5	8.0	50	42	247	164	9.7	36	23
14	22	11	14	6.0	7.5	51	39	309	151	14	30	25
15	19	12	13	6.5	7.0	48	43	317	130	16	29	45
16	18	12	10	6.0	7.5	54	53	325	114	15	29	85
17	17	12	9.0	4.0	7.5	65	63	328	111	13	28	43
18	14	16	8.0	4.5	8.0	73	74	423	112	12	24	38
19	14	15	7.0	5.0	8.0	91	89	361	135	11	22	35
20	14	15	6.0	5.0	8.5	133	106	287	133	13	22	40
21	11	15	6.0	5.5	9.5	146	117	597	119	13	17	67
22	11	27	7.0	5.5	8.5	136	109	518	112	9.4	12	91
23	11	27	7.0	5.5	8.0	132	108	370	106	9.3	17	63
24	9.3	19	6.0	5.5	8.0	101	99	274	93	7.7	18	51
25	10	13	6.0	5.0	8.0	69	83	236	80	11	18	46
26	11	7.9	5.0	6.0	8.0	64	76	184	63	14	43	45
27	13	7.1	4.5	7.0	7.5	66	77	147	53	15	37	44
28	24	7.0	5.0	7.5	8.0	67	94	128	53	17	34	42
29	19	8.3	5.0	6.5	---	68	102	121	41	23	25	41
30	15	13	4.0	7.0	---	63	88	196	27	86	20	40
31	14	---	4.5	7.0	---	63	---	445	---	24	20	---
TOTAL	918.5	391.6	265.5	198.5	212.0	1687.0	2253	7730	5107	441.1	919	1094
MEAN	29.6	13.1	8.56	6.40	7.57	54.4	75.1	249	170	14.2	29.6	36.5
AC-FT	1820	777	527	394	421	3350	4470	15330	10130	875	1820	2170
MAX	148	27	15	15	9.5	146	117	597	476	86	106	91
MIN	2.9	7.0	4.0	4.0	6.0	6.0	39	78	27	5.5	12	12

CAL YR 1996 TOTAL 3929.64 MEAN 10.7 MAX 148 MIN 0.54 AC-FT 7790
WTR YR 1997 TOTAL 21217.2 MEAN 58.1 MAX 597 MIN 2.9 AC-FT 42080

MAX DISCH 815 CFS AT 1845 21-MAY-1997 GH 2.04 FT. SHIFT 0.96 FT. MAX GH 2.04 FT. AT 1845 21-MAY-1997

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



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