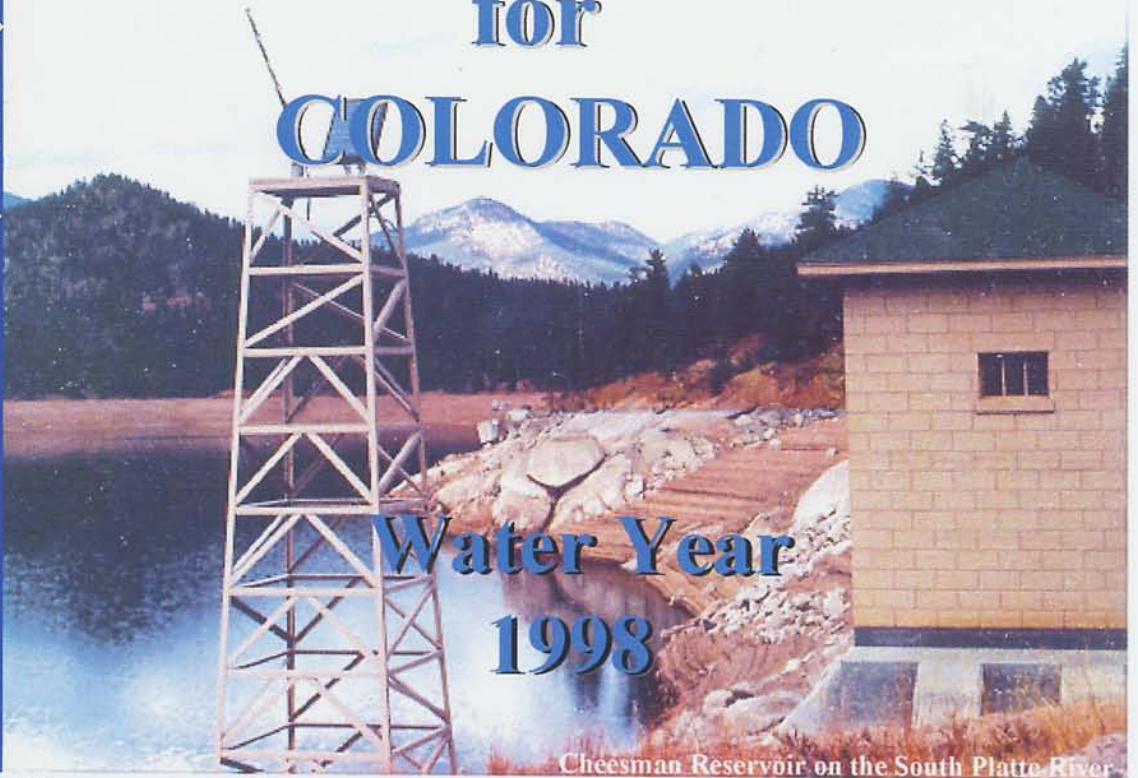


STREAM FLOW DATA for COLORADO

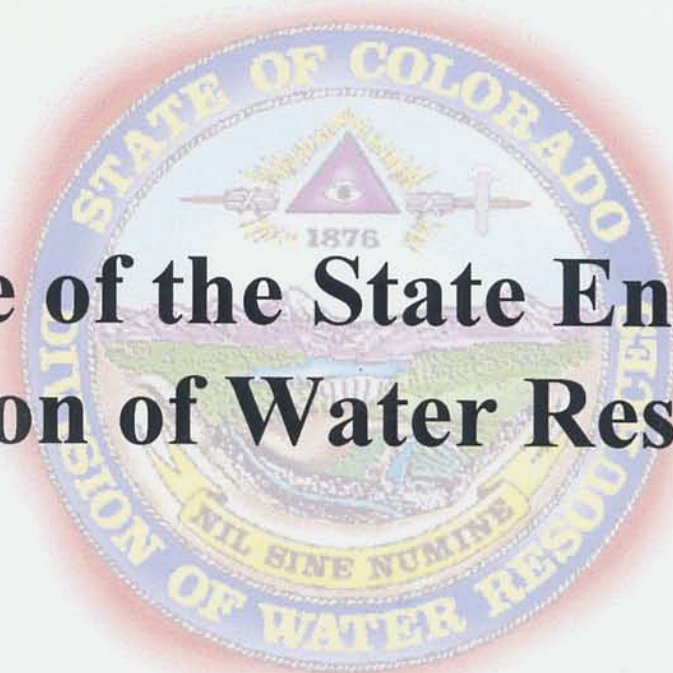


Water Year
1998

Cheesman Reservoir on the South Platte River

Compiled by the Hydrographic Branch
Edited by Jim McDanold

Office of the State Engineer Division of Water Resources



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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, except for May 27-28, 1998 which is poor due to flume maintenance by DWB Personnel. The reservoir had been drained for outlet work in 1997. It was storing from Oct. 1997-Aug. 1998 and releasing 5 cfs for minimum streamflow. Record developed and satellite monitoring maintained by Robert Cooper.

RATING TABLE.--PLAANTCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

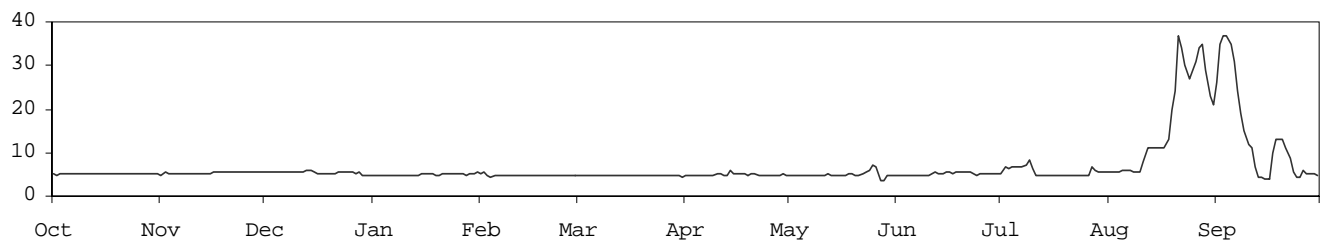
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	4.9	5.4	4.8	5.3	4.8	4.7	4.8	4.6	5.0	5.4	26
2	4.9	5.7	5.4	4.8	5.4	4.8	4.8	4.7	4.8	6.7	5.4	35
3	5.0	5.0	5.4	4.8	4.6	4.8	4.8	4.7	4.8	6.5	5.6	37
4	5.1	5.0	5.4	4.8	4.5	4.8	4.8	4.7	4.8	6.6	5.6	37
5	5.1	5.1	5.5	4.8	4.8	4.7	4.8	4.6	4.8	6.6	5.8	35
6	5.1	5.1	5.4	4.6	4.8	4.8	4.8	4.7	4.8	6.8	5.8	31
7	5.1	5.1	5.4	4.8	4.8	4.8	4.8	4.7	4.8	6.8	5.8	24
8	5.0	5.1	5.4	4.8	4.8	4.8	4.8	4.8	4.7	7.0	5.7	19
9	5.1	5.1	5.4	4.8	4.8	4.8	4.8	4.8	4.8	8.3	5.7	15
10	5.1	5.1	5.4	4.8	4.8	4.8	5.0	4.8	4.7	6.2	5.4	12
11	5.1	5.1	5.4	4.8	4.8	4.8	5.0	4.9	5.0	4.8	8.1	11
12	5.1	5.1	5.5	4.7	4.8	4.8	4.8	5.1	5.4	4.6	11	6.7
13	5.1	5.1	5.8	4.8	4.8	4.8	4.9	4.8	5.3	4.8	11	4.5
14	5.1	5.1	5.8	4.9	4.8	4.8	5.8	4.8	5.3	4.9	11	4.4
15	5.1	5.2	5.5	5.0	4.8	4.9	5.0	4.8	5.4	4.8	11	4.1
16	5.1	5.4	5.1	5.0	4.8	4.8	5.1	4.8	5.4	4.9	11	4.0
17	5.1	5.4	5.3	5.0	4.8	4.8	5.1	4.8	5.3	4.7	11	9.8
18	5.1	5.4	5.2	5.0	4.8	4.8	5.0	5.1	5.4	4.8	13	13
19	5.1	5.4	5.1	4.9	4.8	4.8	4.9	5.2	5.5	4.8	20	13
20	5.1	5.4	5.2	4.9	4.8	4.8	5.0	4.6	5.6	4.8	24	13
21	5.1	5.4	5.3	5.1	4.8	4.8	5.1	4.6	5.4	4.7	37	11
22	5.1	5.4	5.4	5.1	4.8	4.7	4.7	5.0	5.4	4.8	34	8.8
23	5.1	5.4	5.4	5.1	4.8	4.7	4.8	5.4	5.3	4.8	30	5.4
24	5.1	5.6	5.4	5.1	4.6	4.7	4.8	5.8	4.9	4.8	27	4.4
25	5.1	5.5	5.4	5.1	4.7	4.7	4.8	7.1	5.1	4.8	29	4.4
26	5.1	5.4	5.5	5.1	4.8	4.8	4.8	6.6	5.1	4.8	31	6.0
27	5.1	5.4	5.3	5.1	4.8	4.8	4.8	3.7	5.1	6.7	34	5.1
28	5.1	5.4	5.4	4.8	4.8	4.6	4.8	3.6	5.1	6.0	35	5.0
29	5.1	5.4	4.9	5.1	---	4.6	5.0	4.8	5.2	5.4	29	5.3
30	5.0	5.4	4.8	5.2	---	4.6	4.9	4.7	5.3	5.6	23	4.8
31	5.0	---	4.8	5.4	---	4.5	---	4.8	---	5.6	21	---
TOTAL	157.5	158.1	165.6	153.0	134.7	147.5	147.2	152.3	153.1	172.4	517.3	414.7
MEAN	5.08	5.27	5.34	4.94	4.81	4.76	4.91	4.91	5.10	5.56	16.7	13.8
AC-FT	312	314	328	303	267	293	292	302	304	342	1030	823
MAX	5.1	5.7	5.8	5.4	5.4	4.9	5.8	7.1	5.6	8.3	37	37
MIN	4.9	4.9	4.8	4.6	4.5	4.5	4.7	3.6	4.6	4.6	5.4	4.0

CAL YR 1997 TOTAL 14346.80 MEAN 39.3 MAX 221 MIN 0.00 AC-FT 28460
WTR YR 1998 TOTAL 2473.4 MEAN 6.78 MAX 37 MIN 3.6 AC-FT 4910

MAX DISCH 41 CFS AT 1100 21-AUG-1998 GH 0.95 FT. SHIFT -0.03 FT. MAX GH 0.95 FT. AT 1100 21-AUG-1998

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: Oct. 28-Nov. 13, 1997 when stage-discharge relationship affected by ice; Nov. 14, 1997-Apr. 9-1998 when station closed for the winter. Satellite daily gage heights agree with chart data to within 0.02 ft. Record is good, except for the winter period-Oct. 28, 1997-Apr. 9, 1998 which is poor. Record developed by Denise Miller.

RATING TABLE.--PLASPICO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

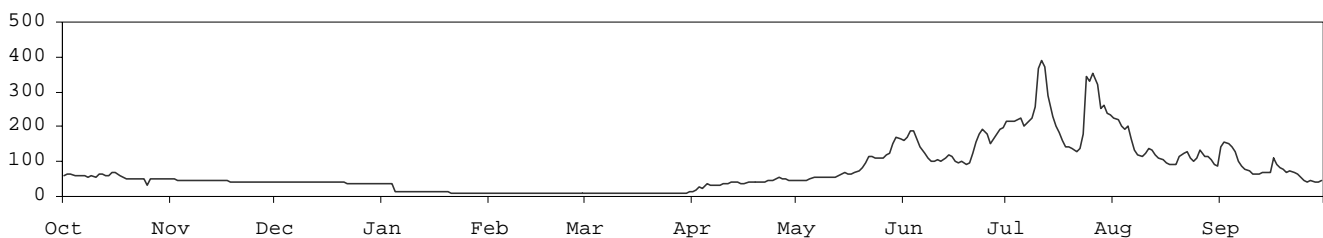
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	50	40	35	10	10	15	45	160	216	224	140
2	62	50	40	35	10	10	18	46	172	216	218	158
3	62	45	40	35	10	10	26	46	188	214	200	150
4	60	45	40	35	10	10	24	47	187	219	192	142
5	58	45	40	15	10	10	37	50	166	223	201	127
6	58	45	40	15	10	10	30	55	144	203	163	103
7	58	45	40	15	10	10	33	57	122	212	135	89
8	57	45	40	15	10	10	33	54	109	226	120	78
9	58	45	40	15	10	10	33	56	103	258	116	72
10	56	45	40	15	10	10	35	54	101	365	123	65
11	62	45	40	15	10	10	37	53	104	391	139	64
12	65	45	40	15	10	10	42	56	101	371	132	66
13	59	45	40	15	10	10	41	58	109	289	121	70
14	59	45	40	15	10	10	40	62	117	229	112	67
15	68	45	40	15	10	10	37	67	114	201	107	67
16	68	45	40	15	10	10	38	65	102	182	98	109
17	58	45	40	15	10	10	40	64	98	161	94	93
18	53	40	40	15	10	10	41	67	101	143	94	83
19	51	40	40	15	10	10	39	72	94	140	94	76
20	52	40	40	15	10	10	40	81	96	139	114	71
21	52	40	40	10	10	10	40	98	123	128	122	72
22	49	40	35	10	10	10	41	113	154	137	128	69
23	49	40	35	10	10	10	44	114	179	179	111	62
24	49	40	35	10	10	10	48	110	193	342	103	54
25	32	40	35	10	10	10	51	110	178	332	109	47
26	50	40	35	10	10	10	53	112	152	353	131	42
27	51	40	35	10	10	10	52	120	165	320	115	45
28	50	40	35	10	10	10	52	122	177	252	115	43
29	50	40	35	10	---	10	48	151	194	263	106	42
30	50	40	35	10	---	10	46	171	198	240	94	44
31	50	---	35	10	---	15	---	167	---	235	86	---
TOTAL	1717	1295	1190	490	280	315	1154	2543	4201	7379	4017	2410
MEAN	55.4	43.2	38.4	15.8	10.0	10.2	38.5	82.0	140	238	130	80.3
AC-FT	3410	2570	2360	972	555	625	2290	5040	8330	14640	7970	4780
MAX	68	50	40	35	10	15	53	171	198	391	224	158
MIN	32	40	35	10	10	10	15	45	94	128	86	42

CAL YR 1997 TOTAL	50126	MEAN	137	MAX	728	MIN	25	AC-FT	99420
WTR YR 1998 TOTAL	26991	MEAN	73.9	MAX	391	MIN	10	AC-FT	53540

MAX DISCH 397 CFS AT 0115 12-JUL-1998 GH 2.44 FT. SHIFT 0.01 FT. MAX GH 2.44 FT. AT 0115 12-JUL-1998

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, with chart back-up. Record is complete and reliable. A -0.13 correction was applied to the GH's from May 24-June 9, 1998 to compensate for rocks dumped into the flume. Spinney Reservoir is 2 miles upstream. Spinney release keeps this gage open year round. Record is good, except for the peak data and July 30. Above about 700 cfs the Spinney staff has observed flow to by-pass the gage in a culvert to the south. Based on Spinney diaries from 1995 flows, about 60 cfs may have been bypassing the gage at the time of the peak. Record is developed by Robert Cooper and Denise Miller.

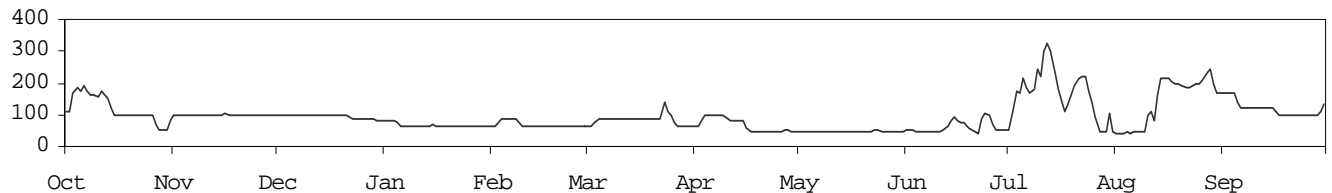
RATING TABLE.--PLAHARCO15 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	99	98	84	62	65	64	48	50	51	43	171
2	111	98	98	84	63	65	64	48	50	124	42	168
3	170	98	98	84	77	77	84	48	50	173	43	169
4	183	98	98	84	89	89	100	48	49	170	44	169
5	173	98	98	73	89	89	100	47	49	213	43	141
6	194	98	98	63	89	89	101	48	49	188	44	121
7	176	98	98	64	89	89	100	48	49	168	44	120
8	164	98	98	66	89	87	100	48	49	180	44	120
9	164	98	98	64	73	88	99	49	49	241	44	120
10	159	99	98	64	62	89	90	49	49	222	101	120
11	176	99	98	64	63	89	80	48	49	299	111	120
12	162	99	99	64	62	89	80	48	50	325	84	120
13	153	99	98	64	61	88	80	47	66	299	160	119
14	120	98	98	64	61	88	79	47	80	232	214	119
15	96	98	98	67	61	88	80	46	93	181	214	119
16	96	103	98	63	62	88	60	46	84	144	214	108
17	96	96	98	63	63	88	45	46	78	113	204	101
18	97	96	97	63	62	89	46	47	73	131	197	101
19	96	96	98	64	63	87	46	48	58	165	197	101
20	97	97	98	63	63	87	46	48	50	193	191	101
21	96	98	97	64	63	87	46	49	47	216	187	101
22	96	98	90	65	62	89	46	49	43	219	187	101
23	97	98	86	63	62	138	46	50	89	219	193	101
24	99	98	86	62	62	108	46	50	107	172	197	101
25	98	98	86	62	62	96	45	49	96	142	197	100
26	98	98	86	63	62	77	45	49	69	93	208	100
27	71	98	86	63	63	64	50	49	50	47	234	100
28	52	98	86	62	62	64	54	49	50	48	245	100
29	52	98	86	63	---	64	48	49	50	48	198	108
30	52	98	84	62	---	64	46	49	51	102	169	134
31	79	---	84	62	---	64	---	49	---	49	170	---
TOTAL	3685	2943	2917	2060	1901	2623	2016	1493	1826	5167	4463	3574
MEAN	119	98.1	94.1	66.5	67.9	84.6	67.2	48.2	60.9	167	144	119
AC-FT	7310	5840	5790	4090	3770	5200	4000	2960	3620	10250	8850	7090
MAX	194	103	99	84	89	138	101	50	107	325	245	171
MIN	52	96	84	62	61	64	45	46	43	47	42	100
CAL YR 1997 TOTAL		53070	MEAN	145	MAX	543	MIN	45	AC-FT	105300		
WTR YR 1998 TOTAL		34668	MEAN	95.0	MAX	325	MIN	42	AC-FT	68760		

MAX DISCH 792 CFS AT 1845 30-JUL-1998 GH 3.78 FT. SHIFT -0.01 FT. MAX GH 3.78 FT. AT 1845 30-JUL-1998

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 good except for the period Dec. 4-7, 1997 when both floats were frozen in place and Dec. 8-9, 1997 when the shaft encoder and pen weren't within ± .02. However without more information there was no way to determine which device needed corrected. This whole period is rated fair. Record developed by Robert Cooper.

RATING TABLE.--PLAGEOCO04 USED FROM 01-OCT-1997 TO 30-SEP-1998

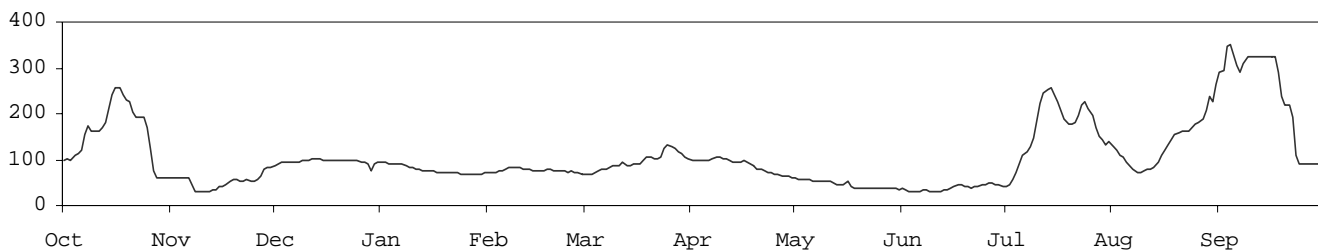
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	61	87	94	71	69	98	61	37	43	128	289
2	101	61	90	94	70	68	99	58	35	45	119	294
3	99	61	93	92	71	69	97	58	31	57	108	347
4	111	61	94	92	74	72	98	56	31	72	104	351
5	113	62	94	92	77	74	99	56	30	89	96	330
6	119	62	95	92	80	78	99	54	32	108	87	305
7	155	44	95	89	82	80	101	53	34	117	79	289
8	175	30	96	86	83	83	104	51	34	128	72	311
9	164	30	97	83	84	85	104	53	32	147	70	324
10	161	30	98	82	83	86	103	52	31	184	76	324
11	162	30	99	80	81	87	102	52	31	222	81	323
12	170	31	101	78	79	94	99	48	31	245	81	323
13	180	33	101	76	78	88	96	47	34	253	82	323
14	210	35	101	75	77	88	93	46	35	258	96	324
15	240	40	100	74	76	89	94	46	37	240	110	324
16	257	43	100	74	76	90	100	51	40	227	122	323
17	258	47	100	73	76	92	95	41	44	206	133	323
18	243	52	100	73	78	100	92	39	44	188	144	290
19	232	57	100	72	78	106	85	39	42	179	154	236
20	225	58	100	72	77	104	80	38	40	176	157	217
21	205	53	100	71	76	102	78	39	39	182	161	217
22	192	51	99	70	75	101	76	36	40	197	163	193
23	192	56	99	70	74	107	73	37	41	218	164	108
24	192	52	97	69	73	124	71	37	46	228	168	89
25	169	53	97	69	74	131	68	37	47	213	177	89
26	125	58	96	69	71	130	68	38	50	197	182	89
27	76	63	95	69	70	124	66	39	48	170	187	89
28	60	78	92	68	69	117	65	38	46	150	209	89
29	60	82	77	68	---	112	64	38	45	144	239	89
30	60	84	91	68	---	105	62	39	42	132	228	89
31	61	---	95	71	---	103	---	35	---	138	265	---
TOTAL	4867	1558	2979	2405	2133	2958	2629	1412	1149	5153	4242	7311
MEAN	157	51.9	96.1	77.6	76.2	95.4	87.6	45.5	38.3	166	137	244
AC-FT	9650	3090	5910	4770	4230	5870	5210	2800	2280	10220	8410	14500
MAX	258	84	101	94	84	131	104	61	50	258	265	351
MIN	60	30	77	68	69	68	62	35	30	43	70	89

CAL YR 1997 TOTAL 51855 MEAN 142 MAX 391 MIN 30 AC-FT 102900
WTR YR 1998 TOTAL 38796 MEAN 106 MAX 351 MIN 30 AC-FT 76950

MAX DISCH 387 CFS AT 1100 03-SEP-1998 GH 3.26 FT. SHIFT 0.02 FT. MAX GH 3.26 FT. AT 1100 03-SEP-1998

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. The record is good. Record developed by Robert Cooper.

RATING TABLE.--PLACHECO11 USED FROM 01-OCT-1997 TO 30-SEP-1998

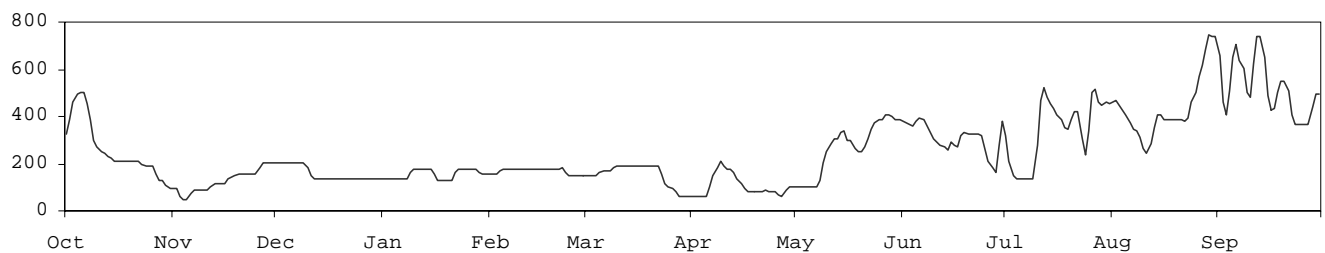
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	327	96	203	134	156	150	63	101	381	322	459	656
2	386	96	203	135	156	150	63	101	374	209	470	464
3	461	58	203	136	156	150	63	101	365	148	448	407
4	498	50	203	136	168	150	63	101	360	134	429	507
5	500	49	203	136	175	160	63	101	379	134	409	651
6	499	73	203	136	176	171	101	101	394	134	376	702
7	457	86	202	136	177	170	151	101	386	134	347	638
8	389	86	202	136	176	170	184	129	356	135	341	605
9	300	86	202	161	177	182	207	202	334	136	314	504
10	272	85	184	179	177	189	189	252	308	277	265	481
11	254	85	152	179	177	189	179	282	292	471	247	626
12	242	101	134	179	177	189	179	302	280	520	288	737
13	230	113	134	179	177	189	163	302	270	484	353	737
14	223	113	134	179	177	189	136	333	259	452	408	649
15	212	113	134	178	177	189	112	336	294	431	409	491
16	212	113	134	154	177	189	93	297	277	405	385	429
17	212	133	134	130	177	189	84	297	270	389	385	432
18	212	144	134	130	177	189	84	266	319	354	385	503
19	212	152	134	130	177	189	84	248	333	346	385	551
20	212	155	134	130	177	189	84	250	327	389	385	550
21	212	154	134	131	178	189	84	268	325	420	384	506
22	212	154	134	160	180	189	85	303	324	420	382	409
23	197	154	134	179	160	156	83	343	324	307	394	369
24	187	154	134	179	150	115	83	372	322	235	460	368
25	189	154	134	179	150	101	83	385	264	338	503	367
26	188	182	134	179	150	97	65	385	209	500	572	366
27	154	203	134	179	150	80	63	410	182	515	620	365
28	131	203	134	179	150	63	91	409	166	458	683	442
29	132	203	134	165	---	63	99	397	276	449	743	494
30	108	203	134	156	---	63	100	387	377	461	741	494
31	95	---	134	156	---	63	---	386	---	455	741	---
TOTAL	8115	3751	4840	4835	4732	4711	3181	8248	9327	10562	13711	15500
MEAN	262	125	156	156	169	152	106	266	311	341	442	517
AC-FT	16100	7440	9600	9590	9390	9340	6310	16360	18500	20950	27200	30740
MAX	500	203	203	179	180	189	207	410	394	520	743	737
MIN	95	49	134	130	150	63	63	101	166	134	247	365

CAL YR 1997 TOTAL 85963 MEAN 236 MAX 632 MIN 49 AC-FT 170500
WTR YR 1998 TOTAL 91513 MEAN 251 MAX 743 MIN 49 AC-FT 181500

MAX DISCH 784 CFS AT 1515 11-SEP-1998 GH 3.37 FT. SHIFT 0.03 FT. MAX GH 3.37 FT. AT 1515 11-SEP-1998

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 corrections used for Dec. 27, 1997-Jan. 6, 1998, when the encoder was operating in reverse, and when the stage-discharge relationship was affected by ice accumulating on the control on Oct. 26-29; Nov. 1-4, 10-17; Dec. 4-8, 11-17, 1997; Mar. 18-21, 30-31; Apr. 1-3, 7-9, 17-19, 1998. Daily mean gage heights agreed to within 0.02 ft with the chart data. Record is good except for winter period of ice affect, which is poor. Record developed by Robert Cooper.

RATING TABLE.--PLAGRAC011 USED FROM 01-OCT-1997 TO 30-SEP-1998

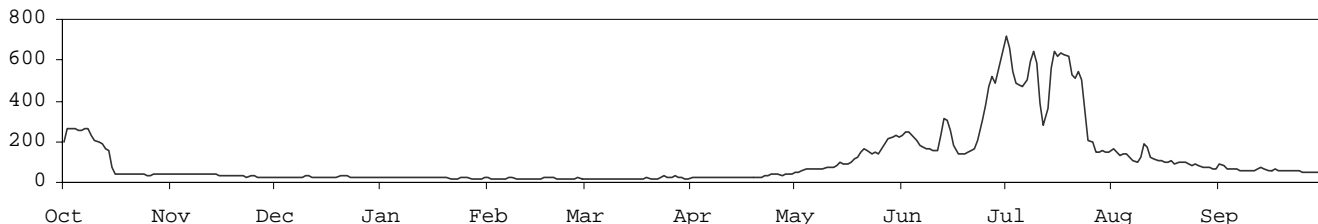
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	197	40	27	23	21	20	22	49	231	720	167	94
2	260	42	27	23	20	20	22	51	245	656	152	81
3	262	42	27	23	20	20	22	58	249	548	132	69
4	260	41	27	23	20	20	23	62	233	488	139	65
5	258	42	28	22	20	19	23	63	207	478	140	63
6	256	39	28	22	20	19	22	64	185	469	121	62
7	261	39	28	21	21	19	21	62	172	507	110	61
8	264	38	28	21	21	19	21	62	168	593	102	61
9	235	40	28	21	20	19	22	66	162	643	124	60
10	203	42	29	22	20	18	25	71	159	587	188	58
11	202	42	29	21	20	18	27	75	155	390	170	57
12	187	42	28	21	20	18	28	77	232	278	120	64
13	167	40	27	21	20	18	26	84	314	363	112	72
14	159	38	26	21	20	18	26	96	306	561	110	62
15	74	36	25	21	20	19	27	88	258	646	106	59
16	42	34	24	21	20	19	26	89	178	622	100	61
17	43	32	23	21	21	19	22	98	138	633	100	63
18	42	32	23	21	21	19	21	112	139	625	105	58
19	41	34	27	21	21	21	25	127	142	621	94	56
20	41	37	29	21	21	20	25	152	148	530	97	55
21	40	32	29	20	20	20	26	167	155	512	99	55
22	40	30	29	20	20	20	30	159	163	541	99	55
23	40	28	28	20	20	27	36	144	205	505	87	55
24	38	29	28	21	20	30	42	147	304	353	84	54
25	30	29	28	21	20	28	42	140	383	207	87	51
26	36	28	28	21	20	28	40	162	474	196	84	49
27	40	28	26	20	21	33	36	189	520	145	78	48
28	43	28	26	20	20	25	39	218	489	145	74	48
29	42	28	26	20	---	23	40	226	556	154	71	50
30	41	27	26	20	---	19	44	229	649	147	67	52
31	40	---	24	21	---	20	---	223	---	150	66	---
TOTAL	3884	1059	836	655	568	655	851	3610	7919	14013	3385	1798
MEAN	125	35.3	27.0	21.1	20.3	21.1	28.4	116	264	452	109	59.9
AC-FT	7700	2100	1660	1300	1130	1300	1690	7160	15710	27790	6710	3570
MAX	264	42	29	23	21	33	44	229	649	720	188	94
MIN	30	27	23	20	20	18	21	49	138	145	66	48

CAL YR 1997 TOTAL 58196 MEAN 159 MAX 660 MIN 18 AC-FT 115400
WTR YR 1998 TOTAL 39233 MEAN 107 MAX 720 MIN 18 AC-FT 77820

MAX DISCH 740 CFS AT 0100 01-JUL-1998 GH 1.99 FT. SHIFT 0.05 FT. MAX GH 1.99 FT. AT 0100 01-JUL-1998

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 Jan. 19-24, 27-29, 1998 when the stage discharge relationship was ice affected. The record is good for open water conditions, poor for estimated winter conditions. The Buffalo Creek Fire is still creating problems. Station maintained and record developed by Rodger L. Burcher.

RATING TABLE.--PLASPLCO15 USED FROM 01-OCT-1997 TO 30-SEP-1998

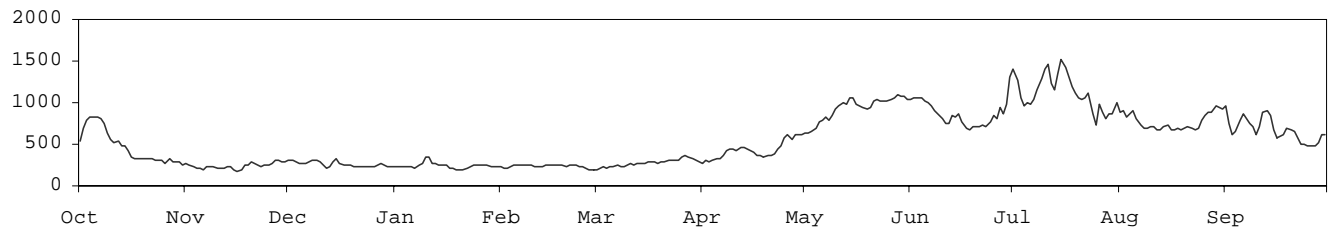
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	540	261	307	233	222	197	275	629	1030	1400	884	960
2	695	245	308	234	219	206	299	630	1050	1270	911	759
3	784	231	292	234	221	222	280	652	1060	1060	834	623
4	833	210	269	228	230	220	309	688	1050	970	868	645
5	827	202	268	226	249	223	322	778	1020	1000	895	788
6	825	198	271	231	247	237	332	789	1000	981	807	859
7	801	234	288	210	247	242	369	824	967	1040	733	815
8	758	233	300	246	246	228	426	793	913	1150	693	753
9	631	223	306	273	248	234	445	851	861	1280	683	705
10	560	214	294	350	243	249	433	926	810	1410	716	621
11	527	204	251	339	235	262	425	962	758	1460	711	707
12	540	202	215	272	237	255	457	995	741	1230	668	880
13	480	229	240	261	239	262	466	989	849	1160	681	904
14	478	229	284	259	246	269	433	1050	830	1340	708	841
15	426	196	321	257	243	275	421	1060	858	1510	727	681
16	341	174	264	243	251	282	395	979	771	1420	680	577
17	329	198	248	213	247	282	359	964	691	1300	682	589
18	326	243	253	213	252	297	373	950	678	1190	694	614
19	322	243	243	196	246	270	349	922	710	1110	678	684
20	324	279	238	198	238	282	371	950	709	1050	687	672
21	328	262	228	198	243	288	367	1010	709	1030	706	660
22	326	247	232	205	250	299	389	1040	723	1060	694	573
23	316	238	225	222	248	310	433	1010	712	1120	668	502
24	312	258	230	243	224	310	488	1010	769	867	699	502
25	312	259	236	251	224	311	570	1010	849	736	782	489
26	274	267	233	248	203	342	623	1030	817	980	837	481
27	321	310	250	246	197	360	560	1050	942	876	877	480
28	295	317	262	246	196	344	606	1090	874	801	881	514
29	288	291	257	240	---	322	610	1080	982	858	954	608
30	284	283	232	224	---	302	613	1070	1300	862	933	612
31	258	---	232	225	---	286	---	1040	---	1000	920	---
TOTAL	14661	7180	8077	7464	6591	8468	12798	28821	26033	34521	23891	20098
MEAN	473	239	261	241	235	273	427	930	868	1114	771	670
AC-FT	29080	14240	16020	14800	13070	16800	25380	57170	51640	68470	47390	39860
MAX	833	317	321	350	252	360	623	1090	1300	1510	954	960
MIN	258	174	215	196	196	197	275	629	678	736	668	480

CAL YR 1997 TOTAL 186042 MEAN 510 MAX 1530 MIN 172 AC-FT 369000
WTR YR 1998 TOTAL 198603 MEAN 544 MAX 1510 MIN 174 AC-FT 393900

MAX DISCH 2556 CFS AT 1930 31-JUL-1998 GH 6.09 FT. SHIFT -0.07 FT. MAX GH 6.09 FT. AT 1930 31-JUL-1998

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 except for Dec. 25-30, 1997; Jan. 26-31; Feb. 1-5; June 5-11; July 5-7, 1998 when difficulty with the shaft encoder was encountered and chart gage heights were used. The record is rated as good. Flow regulated by Strontia Springs Reservoir. Station maintained and record developed by Rodger Burcher.

RATING TABLE.--PLASTRC001 USED FROM 01-OCT-1997 TO 30-SEP-1998

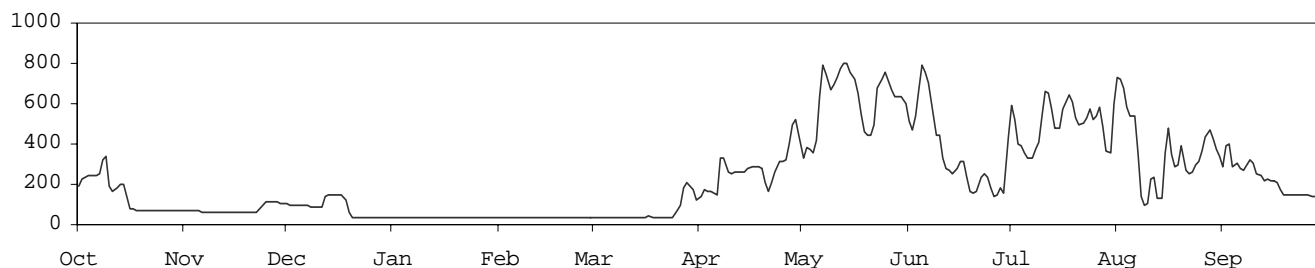
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	191	69	103	32	35	33	141	330	516	592	731	289
2	222	70	100	32	35	33	170	379	466	522	722	389
3	238	69	98	32	35	33	169	376	539	399	682	398
4	241	69	98	32	35	33	169	354	669	392	584	290
5	244	69	97	32	35	33	158	420	793	359	543	304
6	247	65	95	32	34	33	150	636	760	330	535	280
7	252	63	95	32	33	33	332	793	708	330	356	272
8	326	65	89	32	33	34	332	748	544	373	136	300
9	342	65	85	33	33	38	260	668	440	410	99	319
10	187	65	86	33	33	33	248	698	440	540	101	301
11	168	64	86	33	33	33	260	728	330	661	230	249
12	181	64	135	33	33	33	261	771	282	655	232	245
13	200	63	146	33	33	33	261	802	270	576	127	214
14	201	64	146	32	32	33	263	800	253	476	130	222
15	137	62	149	32	32	33	276	760	274	476	359	221
16	81	62	148	31	33	33	286	721	317	573	475	216
17	78	62	150	31	33	40	283	652	317	608	351	213
18	70	62	122	31	33	33	283	550	231	646	291	170
19	70	62	63	31	33	33	282	459	165	610	293	144
20	69	62	36	32	33	33	207	440	160	533	389	146
21	70	63	35	35	33	33	166	440	169	496	266	148
22	70	62	35	33	33	33	209	499	237	501	250	148
23	71	78	35	33	33	34	264	680	253	534	261	148
24	71	97	35	33	33	33	317	725	235	573	294	146
25	71	109	33	33	33	67	317	754	182	523	310	145
26	70	112	33	33	33	94	325	712	142	541	364	144
27	69	112	33	33	33	186	404	667	148	582	432	140
28	70	111	33	34	33	211	498	638	183	491	473	135
29	69	107	32	34	---	193	526	636	157	363	422	112
30	69	102	32	34	---	170	446	637	434	360	378	90
31	70	---	32	35	---	119	---	602	---	604	336	---
TOTAL	4515	2249	2495	1011	933	1846	8263	19075	10614	15629	11152	6538
MEAN	146	75.0	80.5	32.6	33.3	59.5	275	615	354	504	360	218
AC-FT	8960	4460	4950	2010	1850	3660	16390	37840	21050	31000	22120	12970
MAX	342	112	150	35	35	211	526	802	793	661	731	398
MIN	69	62	32	31	32	33	141	330	142	330	99	90

CAL YR 1997 TOTAL 86062 MEAN 236 MAX 1500 MIN 30 AC-FT 170700
WTR YR 1998 TOTAL 84320 MEAN 231 MAX 802 MIN 31 AC-FT 167200

MAX DISCH 1746 CFS AT 2030 31-JUL-1998 GH 6.05 FT. SHIFT -0.16 FT. MAX GH 6.05 FT. AT 2030 31-JUL-1998

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



PLATTE RIVER BASIN

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 days of ice affect when the control was frozen. The stage-discharge relation was affected by ice Nov. 15; Dec. 1, 4-7, 11-13, 18-19, 21, 23, 26-28, 1997; Jan. 6-12; Feb. 11-13, 28; Mar. 1-2, 8-9, 1998. The Satellite record is the primary record. The record is rated good except for the periods of ice affect which are rated as poor. Station maintained and record developed by Rodger Burcher.

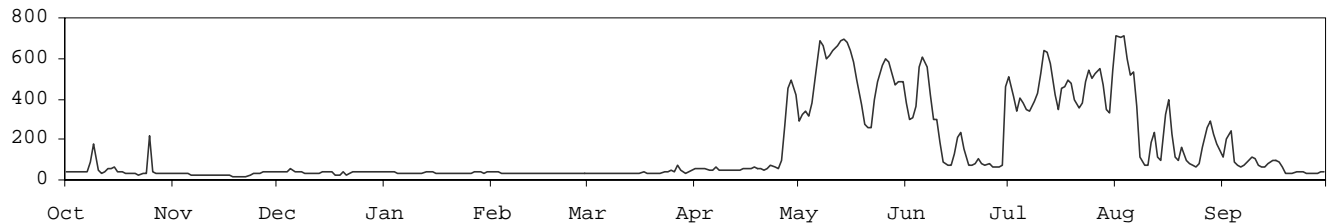
RATING TABLE.--PLAWATCO08 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	30	39	37	37	36	57	294	383	508	709	116
2	43	29	39	37	39	36	56	326	299	415	702	201
3	38	29	39	37	37	32	55	341	308	343	708	239
4	38	29	42	37	36	32	56	313	367	407	597	86
5	40	29	58	36	36	32	51	377	554	376	518	70
6	41	27	40	36	36	32	48	569	605	344	535	67
7	41	24	39	36	36	33	63	686	560	341	365	71
8	85	25	40	36	36	36	51	665	422	386	116	92
9	181	25	34	36	36	35	49	598	298	425	71	113
10	47	24	35	36	36	32	46	612	297	523	72	105
11	31	24	32	36	36	31	48	637	186	640	187	74
12	42	23	32	36	36	31	49	661	90	631	232	66
13	59	22	32	39	36	30	51	689	69	575	110	66
14	59	22	38	37	34	31	50	698	69	420	95	81
15	61	22	39	37	34	31	55	677	132	350	326	94
16	38	21	37	36	34	32	56	641	212	454	399	94
17	37	21	37	36	33	38	58	584	231	464	229	92
18	31	19	28	36	33	36	63	496	153	489	110	64
19	30	19	28	36	32	34	56	370	73	473	99	34
20	30	20	39	35	32	34	56	277	69	399	158	34
21	29	20	28	36	32	34	51	255	77	356	94	36
22	28	19	36	36	32	36	60	260	107	380	78	37
23	29	26	39	36	32	37	72	396	81	481	69	39
24	35	34	38	36	33	40	64	487	70	539	68	38
25	216	32	37	36	34	45	56	569	81	502	79	36
26	39	35	39	36	34	41	97	594	62	524	158	35
27	31	39	39	37	33	70	268	579	65	546	255	35
28	31	42	39	38	36	48	451	524	66	470	294	30
29	30	41	38	37	---	34	491	467	76	346	230	37
30	31	39	38	36	---	43	420	481	461	330	179	40
31	32	---	38	37	---	52	---	483	---	542	148	---
TOTAL	1540	811	1156	1129	971	1144	3104	15606	6523	13979	7990	2222
MEAN	49.7	27.0	37.3	36.4	34.7	36.9	103	503	217	451	258	74.1
AC-FT	3050	1610	2290	2240	1930	2270	6160	30950	12940	27730	15850	4410
MAX	216	42	58	39	39	70	491	698	605	640	709	239
MIN	28	19	28	35	32	30	46	255	62	330	68	30
CAL YR 1997 TOTAL		49666	MEAN	136	MAX	1240	MIN	19	AC-FT	98510		
WTR YR 1998 TOTAL		56175	MEAN	154	MAX	709	MIN	19	AC-FT	111400		

MAX DISCH 1366 CFS AT 2145 31-JUL-1998 GH 2.82 FT. SHIFT 0.06 FT. MAX GH 2.82 FT. AT 2145 31-JUL-1998

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 used on Sep. 9-10, 1998. Record is good, except flows less than 10 cfs which are fair because they were not adequately defined by measurements. Station maintained and record developed by Rodger Burcher.

RATING TABLE.--PLACHACO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

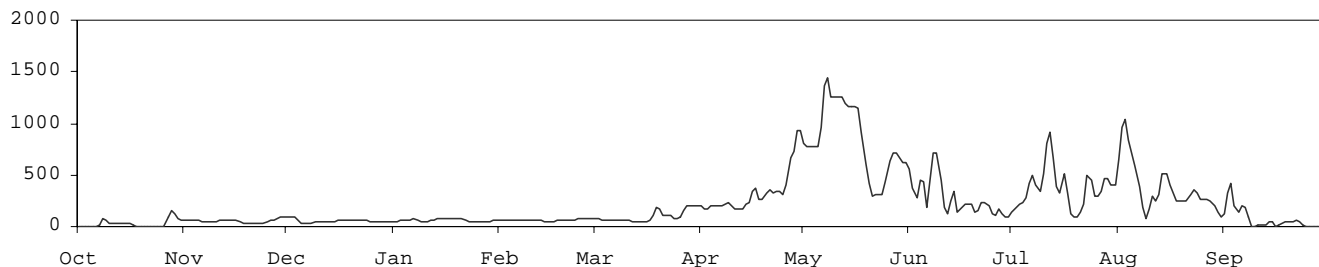
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	64	98	48	61	73	205	802	561	139	649	119
2	1.1	65	99	52	61	70	172	777	378	192	958	329
3	1.2	65	99	55	61	68	176	778	272	213	1040	419
4	1.1	65	68	55	61	68	204	777	446	232	837	204
5	1.2	56	36	55	61	68	204	778	429	284	717	146
6	1.1	45	36	65	61	68	205	956	181	424	584	208
7	14	45	36	74	61	68	205	1370	456	501	395	179
8	72	45	35	62	61	68	219	1440	718	398	182	87
9	64	45	40	48	61	68	229	1260	716	339	72	4.9
10	24	51	46	48	61	68	196	1260	445	512	173	6.1
11	38	60	46	48	61	59	163	1260	190	810	299	11
12	38	60	46	55	61	52	163	1260	117	914	255	13
13	38	60	46	64	55	52	175	1200	253	672	316	13
14	38	60	46	71	49	52	211	1160	346	380	507	49
15	37	60	46	75	49	51	229	1160	147	320	513	53
16	37	60	55	76	50	51	339	1160	165	517	409	2.9
17	21	44	63	76	52	58	365	1150	217	328	330	12
18	6.5	26	63	76	58	112	260	907	222	131	252	38
19	6.6	25	63	76	61	192	257	602	222	98	252	50
20	2.8	26	63	76	61	169	324	412	141	98	252	50
21	0.39	26	63	76	61	103	363	302	154	134	251	50
22	0.74	26	63	66	61	102	333	304	234	221	313	55
23	0.74	26	63	53	67	102	337	304	229	490	357	44
24	0.61	33	55	53	72	85	338	305	202	457	318	12
25	0.10	46	47	53	72	71	305	435	130	294	271	0.59
26	0.01	58	47	53	72	96	403	635	112	301	269	0.61
27	92	63	47	53	73	159	663	717	169	347	269	0.58
28	149	79	48	53	73	205	733	717	126	465	252	0.47
29	124	98	48	53	---	206	927	660	95	462	196	0.43
30	77	98	47	57	---	206	929	614	95	400	140	24
31	56	---	47	61	---	206	---	614	---	400	88	---
TOTAL	947.49	1580	1705	1886	1718	3076	9832	26076	8168	11473	11716	2181.58
MEAN	30.6	52.7	55.0	60.8	61.4	99.2	328	841	272	370	378	72.7
AC-FT	1880	3130	3380	3740	3410	6100	19500	51720	16200	22760	23240	4330
MAX	149	98	99	76	73	206	929	1440	718	914	1040	419
MIN	0.01	25	35	48	49	51	163	302	95	98	72	0.43

CAL YR 1997 TOTAL 49218.32 MEAN 135 MAX 883 MIN 0.01 AC-FT 97620
WTR YR 1998 TOTAL 80359.08 MEAN 220 MAX 1440 MIN 0.01 AC-FT 159400

MAX DISCH 1660 CFS AT 1430 07-MAY-1998 GH 4.72 FT. SHIFT -0.01 FT. MAX GH 4.72 FT. AT 1430 07-MAY-1998

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. The record is reliable with the exception of the following periods of ice-affect: Oct. 26-27; Nov. 16-18; Dec. 5-8, 12-15, 20-21, 23-29, 1997; Jan. 5-12, 21-23; Feb. 2, 6, 10-13, 19-22, 26-28; Mar. 1-4, 6, 8-13, 1998. 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 and Robert E. Cooper.

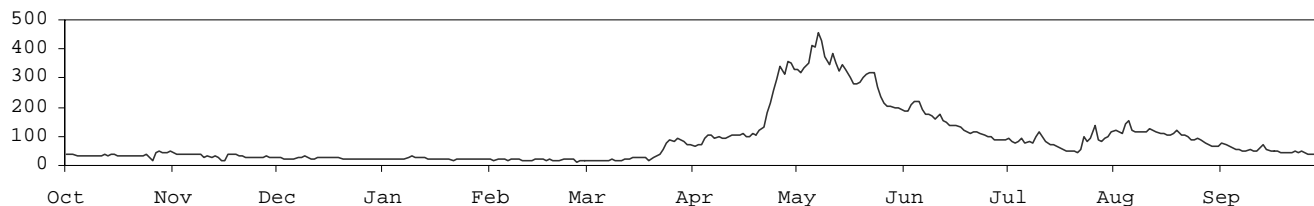
RATING TABLE.--BCRMORCO20 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	45	29	23	20	18	67	327	188	91	119	76
2	37	36	29	24	18	18	70	317	187	85	117	74
3	36	37	22	24	20	18	73	334	207	79	109	64
4	35	39	21	22	20	18	93	353	219	82	142	59
5	33	37	22	20	21	18	106	411	218	92	152	54
6	33	37	23	23	19	15	103	406	194	78	123	53
7	33	37	25	20	20	18	93	455	177	81	118	52
8	33	36	28	28	20	20	98	426	175	79	114	51
9	32	36	31	31	20	17	93	374	169	101	113	53
10	33	29	26	30	16	16	94	348	160	114	115	50
11	33	31	22	28	16	18	98	384	175	101	128	49
12	37	28	22	27	17	20	107	353	155	84	121	59
13	33	33	25	25	19	24	106	322	146	74	113	74
14	36	28	27	22	21	27	107	345	135	71	110	56
15	36	14	30	21	20	27	109	329	136	66	112	51
16	34	14	29	22	20	29	100	300	135	62	107	48
17	33	40	28	22	18	29	99	279	133	56	104	49
18	32	38	26	23	22	27	108	278	122	51	108	46
19	31	36	26	22	18	19	106	284	116	48	122	44
20	33	35	23	21	16	30	120	300	112	47	106	42
21	35	31	21	17	19	32	133	314	113	44	102	45
22	33	27	22	20	20	37	180	316	113	53	97	50
23	32	25	22	24	21	53	214	320	110	99	88	44
24	37	28	23	20	22	75	256	268	104	80	90	47
25	26	27	22	21	23	88	295	238	99	91	96	43
26	17	28	20	21	11	84	341	215	97	138	87	39
27	43	30	20	20	16	91	311	206	90	90	79	38
28	50	32	22	21	17	87	359	201	88	85	73	36
29	45	26	23	20	---	80	349	200	87	92	68	37
30	44	26	23	21	---	73	327	197	89	97	66	38
31	49	---	22	21	---	70	---	194	---	117	64	---
TOTAL	1091	946	754	704	530	1196	4715	9594	4249	2528	3263	1521
MEAN	35.2	31.5	24.3	22.7	18.9	38.6	157	309	142	81.5	105	50.7
AC-FT	2160	1880	1500	1400	1050	2370	9350	19030	8430	5010	6470	3020
MAX	50	45	31	31	23	91	359	455	219	138	152	76
MIN	17	14	20	17	11	15	67	194	87	44	64	36
CAL YR 1997 TOTAL		22291	MEAN	61.1	MAX	350	MIN	11	AC-FT	44210		
WTR YR 1998 TOTAL		31091	MEAN	85.2	MAX	455	MIN	11	AC-FT	61670		

MAX DISCH 833 CFS AT 0115 07-MAY-1998 GH 6.40 FT. SHIFT -0.01 FT. MAX GH 6.40 FT. AT 0115 07-MAY-1998

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 record is complete and reliable. The satellite record is the primary record. One encoder correction was applies between Jun. 22 and Jul. 14, 1998. Record is rated as good. Station maintained and record developed by Rodger Burcher.

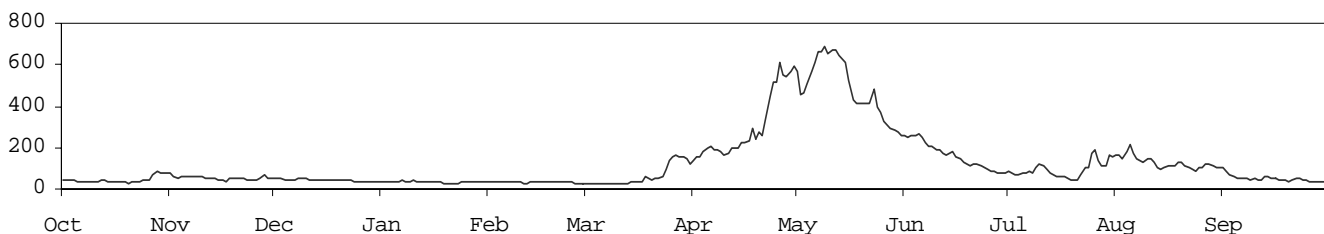
RATING TABLE.-- BCRSHECO32 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	75	49	33	33	22	135	570	260	83	163	103
2	40	63	52	33	31	22	153	459	252	79	165	88
3	40	55	52	33	31	27	153	463	256	73	145	72
4	40	58	46	33	34	28	178	510	260	72	178	61
5	37	59	45	31	35	27	202	572	268	80	212	55
6	36	57	41	35	35	26	205	614	252	80	171	52
7	34	56	41	39	34	29	187	659	227	82	148	50
8	33	56	49	38	35	25	193	659	209	77	137	49
9	31	64	51	38	35	23	177	684	209	100	131	47
10	31	60	49	40	34	24	165	657	188	123	147	48
11	32	51	45	35	30	24	175	671	188	115	148	45
12	47	53	43	34	29	24	196	667	175	92	129	44
13	42	53	39	35	31	29	202	643	163	78	107	63
14	36	55	41	35	36	32	196	629	170	68	97	57
15	37	45	46	33	36	34	225	613	177	63	100	50
16	35	39	44	32	37	35	224	528	153	60	108	48
17	36	38	43	31	35	38	228	431	142	57	114	46
18	32	53	43	31	36	56	296	411	133	50	116	44
19	31	52	41	30	35	50	239	410	120	47	130	39
20	30	54	41	28	32	46	273	412	116	46	133	36
21	31	53	40	26	33	50	256	412	123	45	109	42
22	32	50	39	28	36	52	334	416	124	71	104	55
23	33	45	39	30	36	62	445	484	113	99	94	49
24	45	46	37	32	35	93	517	397	103	104	89	44
25	47	46	36	33	35	137	514	368	95	176	106	42
26	42	47	35	31	30	156	612	328	89	191	107	36
27	70	51	37	31	22	165	549	307	84	134	120	35
28	83	65	37	32	22	157	540	291	81	109	117	35
29	77	53	35	32	---	152	567	282	79	113	111	32
30	75	48	34	32	---	144	590	271	77	164	105	34
31	75	---	34	34	---	121	---	262	---	153	101	---
TOTAL	1332	1600	1304	1018	923	1910	8926	15080	4886	2884	3942	1501
MEAN	43.0	53.3	42.1	32.8	33.0	61.6	298	486	163	93.0	127	50.0
AC-FT	2640	3170	2590	2020	1830	3790	17700	29910	9690	5720	7820	2980
MAX	83	75	52	40	37	165	612	684	268	191	212	103
MIN	30	38	34	26	22	22	135	262	77	45	89	32
CAL YR 1997 TOTAL		27157.1	MEAN	74.4	MAX	569	MIN	8.1	AC-FT	53870		
WTR YR 1998 TOTAL		45306	MEAN	124	MAX	684	MIN	22	AC-FT	89860		

MAX DISCH 1324 CFS AT 1930 25-JUL-1998 GH 5.73 FT. SHIFT 0.03 FT. MAX GH 5.73 FT. AT 1930 25-JUL-1998

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 a 72"x72" precast concrete shelter on a 48" corrugated steel well. Station includes electric drop tape, telemark and 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.--PLADENCO32 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	196	342	292	193	200	188	495	1590	992	289	1040	377
2	193	290	295	195	194	189	668	1490	822	365	1260	468
3	191	267	292	198	188	187	833	1480	681	376	1460	626
4	187	260	257	198	188	189	641	1490	763	410	1420	475
5	184	254	194	190	185	183	596	1720	1120	449	1210	278
6	182	234	177	223	191	185	651	1750	579	576	998	360
7	177	228	181	218	189	236	666	2860	723	689	788	355
8	205	225	186	204	189	213	656	2700	1080	659	585	309
9	251	308	212	182	188	193	629	2450	1090	735	395	192
10	162	277	209	182	190	189	569	2140	887	878	633	178
11	171	249	201	183	183	189	470	2100	607	1070	681	173
12	464	269	187	188	181	177	485	2120	413	1130	639	172
13	273	248	192	189	180	175	495	2010	488	927	565	236
14	199	251	213	192	179	179	544	1940	820	675	727	203
15	198	229	218	199	176	178	761	1900	729	425	1070	239
16	192	217	207	202	222	184	837	1790	403	662	752	168
17	189	219	212	201	192	194	893	1690	527	597	725	155
18	154	189	213	203	184	464	1470	1510	471	326	615	172
19	148	187	207	204	193	628	881	1200	481	254	732	185
20	155	192	208	201	189	474	848	1020	386	255	685	185
21	146	190	207	197	188	371	909	863	365	255	509	268
22	145	190	200	200	191	356	942	936	468	573	529	245
23	148	203	204	187	191	350	1020	1120	499	951	579	218
24	397	203	213	188	200	351	1120	876	412	971	559	183
25	260	214	200	191	186	357	1150	953	376	2420	517	169
26	347	226	197	195	190	349	2210	1070	271	1430	516	143
27	621	275	199	195	183	434	1510	1170	346	755	521	143
28	673	495	193	194	190	473	1550	1150	329	736	509	138
29	510	335	199	193	---	476	1660	1100	264	786	462	143
30	433	302	188	189	---	539	1770	1040	260	1400	387	143
31	390	---	190	206	---	539	---	1020	---	918	366	---
TOTAL	8141	7568	6543	6080	5300	9389	27929	48248	17652	22942	22434	7299
MEAN	263	252	211	196	189	303	931	1556	588	740	724	243
AC-FT	16150	15010	12980	12060	10510	18620	55400	95700	35010	45510	44500	14480
MAX	673	495	295	223	222	628	2210	2860	1120	2420	1460	626
MIN	145	187	177	182	176	175	470	863	260	254	366	138

CAL YR 1997 TOTAL 124612 MEAN 341 MAX 1690 MIN 77 AC-FT 247200
WTR YR 1998 TOTAL 189525 MEAN 519 MAX 2860 MIN 138 AC-FT 375900

MAX DISCH 12580 CFS AT 2000 25-JUL-1998 GH 10.90 FT. SHIFT 0.02 FT. MAX GH 10.90 FT. AT 2000 25-JUL-1998

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

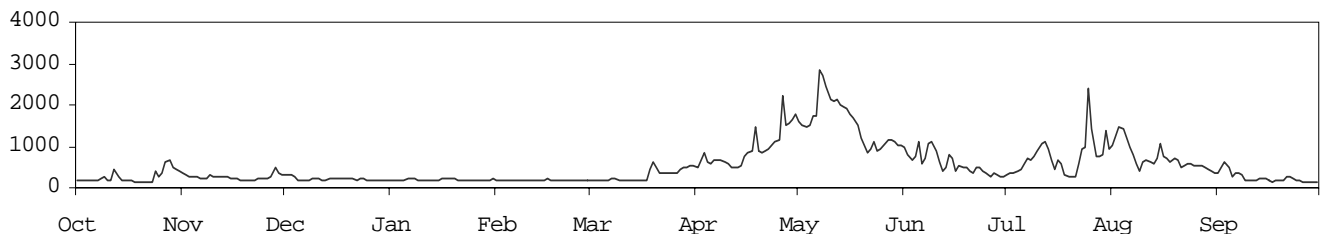


PLATE RIVER BASIN

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.

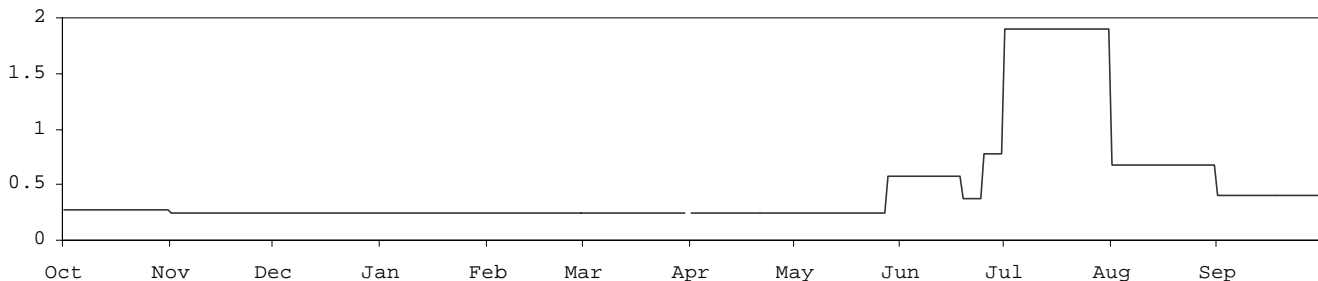
REMARKS.--User supplied information. Flow represents average daily flows for month.

RATING TABLE.--STCTUNCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
2	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
3	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
4	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
5	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
6	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
7	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
8	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
9	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
10	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
11	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
12	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
13	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
14	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
15	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
16	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
17	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
18	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.58	1.9	0.68	0.40
19	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	1.9	0.68	0.40
20	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	1.9	0.68	0.40
21	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	1.9	0.68	0.40
22	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	1.9	0.68	0.40
23	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	1.9	0.68	0.40
24	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	1.9	0.68	0.40
25	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.77	1.9	0.68	0.40
26	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.77	1.9	0.68	0.40
27	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.77	1.9	0.68	0.40
28	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.58	0.77	1.9	0.68	0.40
29	0.27	0.25	0.25	0.25	---	0.25	0.25	0.58	0.77	1.9	0.68	0.40
30	0.27	0.25	0.25	0.25	---	0.25	0.25	0.58	0.77	1.9	0.68	0.40
31	0.27	---	0.25	0.25	---	---	---	0.58	---	1.9	0.68	---
TOTAL	8.37	7.50	7.75	7.75	7.00	7.50	7.50	9.07	17.34	58.9	21.08	12.00
MEAN	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.29	0.58	1.90	0.68	0.40
AC-FT	17	15	15	15	14	15	15	18	34	117	42	24
MAX	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.58	0.77	1.9	0.68	0.40
MIN	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	1.9	0.68	0.40
CAL YR 1997 TOTAL		197.12	MEAN	0.54	MAX	2.1	MIN	0.25	AC-FT	391		
WTR YR 1998 TOTAL		171.76	MEAN	0.47	MAX	1.9	MIN	0.25	AC-FT	341		

FOR 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. The satellite record is the primary record. Chart values were used May 27-29, 1998 when the shaft encoder float cable was off the pulley. Record is considered good. Station maintained and record developed by Rodger Burcher.

RATING TABLE.--CLEDERCO33 USED FROM 01-OCT-1997 TO 30-SEP-1998

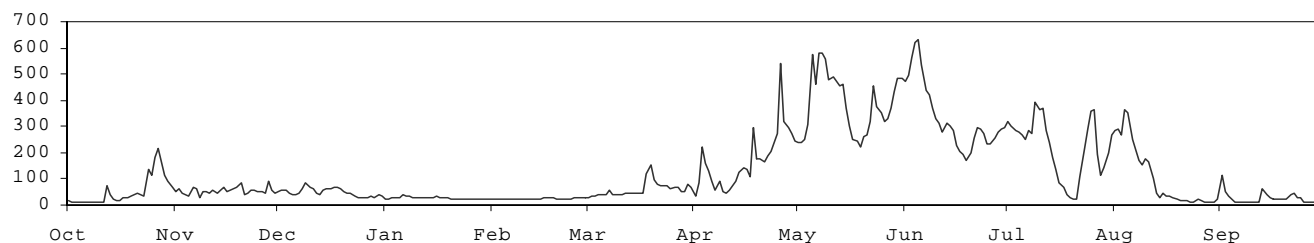
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	52	52	25	22	31	36	240	474	321	283	111
2	12	62	55	25	21	33	84	241	497	303	289	53
3	11	44	56	26	22	35	222	252	565	285	269	34
4	11	41	45	27	23	38	160	306	618	278	367	23
5	10	34	37	26	23	40	133	572	631	265	351	11
6	11	70	38	38	23	40	92	462	533	249	250	10
7	10	62	45	35	21	57	59	582	436	285	213	9.6
8	12	26	63	32	21	42	93	581	419	274	169	9.2
9	11	50	83	29	21	38	52	557	368	390	154	14
10	11	54	69	28	23	39	47	478	330	366	174	13
11	12	46	63	30	23	39	57	488	315	371	165	13
12	72	56	47	29	22	45	73	474	279	287	103	13
13	42	46	42	29	23	46	90	458	312	241	44	65
14	22	55	55	29	25	46	128	460	302	184	28	42
15	15	66	61	28	23	44	141	370	284	137	43	29
16	17	51	60	32	30	46	137	299	225	88	33	22
17	27	56	69	31	27	48	109	250	204	66	32	25
18	27	61	67	29	26	122	297	243	193	39	26	20
19	33	70	60	26	26	152	175	224	172	30	20	22
20	39	83	52	25	25	98	177	262	197	24	16	24
21	45	42	44	25	24	80	167	268	257	20	17	39
22	37	43	44	23	24	72	188	318	297	106	17	48
23	34	55	33	21	23	75	207	456	291	215	14	30
24	135	56	30	20	25	73	238	373	271	293	14	28
25	116	51	30	20	28	64	276	351	233	357	20	10
26	184	52	31	20	29	66	541	318	234	363	15	9.1
27	218	46	31	21	28	67	321	328	258	195	10	9.1
28	163	89	34	22	29	50	295	370	277	114	11	9.1
29	116	59	31	22	---	49	271	434	290	141	13	9.8
30	89	47	39	22	---	82	243	485	295	197	9.7	14
31	67	---	36	24	---	68	---	486	---	267	24	---
TOTAL	1628	1625	1502	819	680	1825	5109	11986	10057	6751	3193.7	768.9
MEAN	52.5	54.2	48.5	26.4	24.3	58.9	170	387	335	218	103	25.6
AC-FT	3230	3220	2980	1620	1350	3620	10130	23770	19950	13390	6330	1530
MAX	218	89	83	38	30	152	541	582	631	390	367	111
MIN	10	26	30	20	21	31	36	224	172	20	9.7	9.1

CAL YR 1997 TOTAL 61823.0 MEAN 169 MAX 1590 MIN 4.5 AC-FT 122600
WTR YR 1998 TOTAL 45944.6 MEAN 126 MAX 631 MIN 9.1 AC-FT 91130

MAX DISCH 1614 CFS AT 2215 05-MAY-1998 GH 3.54 FT. SHIFT 0.18 FT. MAX GH 3.54 FT. AT 2215 05-MAY-1998

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. An Accubar was installed April 25, 1997 and run in parallel with the shaft encoder. The Accubar is used as primary record during periods of low flows when the well becomes isolated.

REMARKS --The satellite record is the primary record. Record is complete and reliable. Datum corrections were used to adjust the hourly Accubar record. Chart values were used on the following dates when Accubar and chart did not agree. Oct. 28-29; Nov. 1-27, 28; Dec. 21, 1997; Jan. 16-31; Feb. 1-4; Mar. 18-19; Apr. 8, 26; May 3-4, 6-9, 1998. Chart values were also used June 27-29 to fill in missing DCP data. Record is rated as good, except for Jan. 1-15 (fair) when the Accubar and the chart recorder both had corrections applied. Station maintained and record developed by Brent Schantz.

RATING TABLE --PLAHENCO30 USED FROM 01-OCT-1997 TO 30-SEP-1998

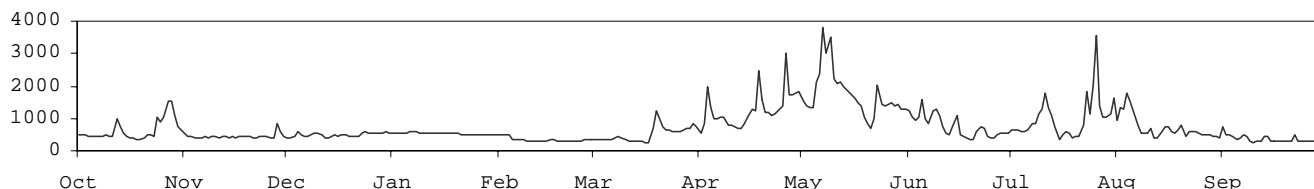
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	472	519	410	543	495	329	550	1520	1230	627	919	722
2	473	453	407	550	501	334	823	1360	1050	657	1310	482
3	470	422	462	551	478	336	1960	1340	943	618	1300	516
4	467	400	579	556	472	337	1330	1340	1030	591	1790	439
5	458	384	493	545	366	346	1010	2120	1570	579	1530	345
6	453	406	450	595	339	343	975	2390	1010	634	1070	382
7	438	422	456	597	324	413	1030	3780	853	852	771	473
8	467	379	494	568	329	448	1050	2990	1250	830	523	431
9	514	438	538	540	317	404	793	3490	1300	1160	531	287
10	456	461	526	522	314	351	808	2210	1070	1280	548	270
11	444	416	487	536	309	301	732	2070	750	1800	674	298
12	997	427	418	544	301	292	700	2120	519	1310	388	281
13	760	433	418	535	305	310	698	1990	495	1070	386	466
14	554	416	463	527	310	304	819	1900	745	730	599	423
15	461	433	502	529	310	278	1040	1780	1070	370	762	309
16	401	415	465	519	351	261	1300	1650	510	480	723	299
17	394	422	489	525	342	269	1240	1470	422	585	598	299
18	368	422	489	519	320	713	2450	1360	385	519	555	312
19	356	427	461	522	316	1250	1570	1020	355	413	660	303
20	397	449	445	519	312	1010	1180	857	346	436	810	309
21	484	411	444	507	313	748	1170	695	587	456	461	298
22	478	406	443	501	316	659	1070	1000	753	800	591	509
23	464	425	533	489	317	632	1150	2010	711	1810	605	303
24	1050	427	575	478	315	617	1270	1420	467	1130	579	316
25	869	427	539	507	315	602	1380	1400	397	2010	544	281
26	1050	416	533	484	330	569	3030	1440	407	3570	516	277
27	1520	411	541	484	326	652	1740	1490	503	1400	508	273
28	1520	832	533	484	327	671	1750	1390	561	1040	494	283
29	1100	572	555	484	---	676	1790	1410	551	1020	440	283
30	742	433	577	478	---	828	1830	1290	557	1160	430	279
31	631	---	559	495	---	759	---	1280	---	1640	415	---
TOTAL	19708	13304	15284	16233	9670	16042	38238	53582	22397	31577	22030	10748
MEAN	636	443	493	524	345	517	1275	1728	747	1019	711	358
AC-FT	39090	26390	30320	32200	19180	31820	75850	106300	44420	62630	43700	21320
MAX	1520	832	579	597	501	1250	3030	3780	1570	3570	1790	722
MIN	356	379	407	478	301	261	550	695	346	370	386	270

CAL YR 1997 TOTAL 239155 MEAN 655 MAX 4650 MIN 31 AC-FT 474400
WTR YR 1998 TOTAL 268813 MEAN 736 MAX 3780 MIN 261 AC-FT 533200

MAX DISCH 9363 CFS AT 0145 26-JUL-1998 GH 8.81 FT. SHIFT 0.14 FT. MAX GH 8.81 FT. AT 0145 26-JUL-1998

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



PLATTE RIVER BASIN

MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY, CO

LOCATION.--Lat 40 07' 55", long 105 31' 00", NE1/4 NW1/4 Sec. 24, T.2 N., R.73 W.

PERIOD OF RECORD AND DRAINAGE AREA.--Gage established on May 14, 1998 by State of Colorado, Division of Water Resources personnel. This gage will be a partial year record station.

GAGE.--Graphic water-stage recorder and satellite monitoring DCP with shaft encoder in 48" diameter metal pipe shelter and well. DCP is the primary record with chart as a backup.

REMARKS.--Record is complete and reliable except for the following period: May 14, 1998 partial day record when station was opened for 1998 water year. Chart record was used on May 15-27, 1998 because DCP was not installed until May 27, 1998. The record is good, except for period of no gage-height record, which is fair. Station maintained and record developed by Fred Renner.

RATING TABLE.--RATING TABLE MIDSTECO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

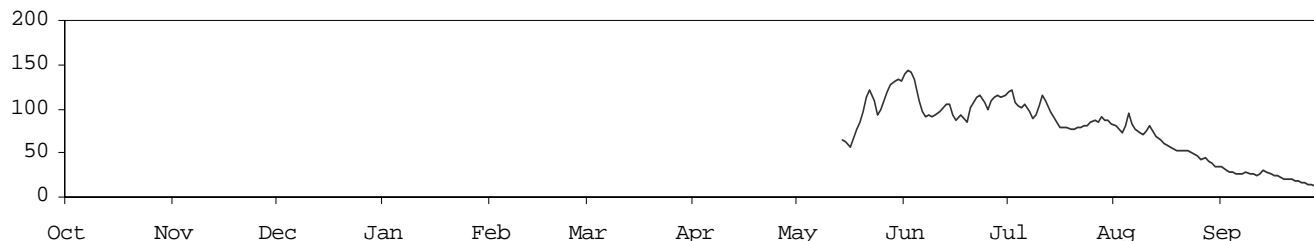
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	139	120	81	34
2	---	---	---	---	---	---	---	---	144	121	76	31
3	---	---	---	---	---	---	---	---	141	108	73	29
4	---	---	---	---	---	---	---	---	133	103	81	28
5	---	---	---	---	---	---	---	---	110	101	94	27
6	---	---	---	---	---	---	---	---	96	105	82	27
7	---	---	---	---	---	---	---	---	90	97	76	27
8	---	---	---	---	---	---	---	---	92	88	72	29
9	---	---	---	---	---	---	---	---	91	93	70	27
10	---	---	---	---	---	---	---	---	93	103	74	26
11	---	---	---	---	---	---	---	---	96	116	80	25
12	---	---	---	---	---	---	---	---	101	110	74	27
13	---	---	---	---	---	---	---	---	106	97	69	30
14	---	---	---	---	---	---	---	65	105	90	64	29
15	---	---	---	---	---	---	---	63	93	85	60	26
16	---	---	---	---	---	---	---	57	87	79	58	25
17	---	---	---	---	---	---	---	66	92	79	56	24
18	---	---	---	---	---	---	---	77	88	78	55	23
19	---	---	---	---	---	---	---	85	84	77	53	21
20	---	---	---	---	---	---	---	96	101	76	52	21
21	---	---	---	---	---	---	---	113	107	78	52	20
22	---	---	---	---	---	---	---	121	113	79	52	19
23	---	---	---	---	---	---	---	109	116	80	51	18
24	---	---	---	---	---	---	---	92	107	80	48	17
25	---	---	---	---	---	---	---	98	100	85	47	16
26	---	---	---	---	---	---	---	109	109	86	43	15
27	---	---	---	---	---	---	---	119	113	84	44	14
28	---	---	---	---	---	---	---	127	115	90	41	13
29	---	---	---	---	---	---	---	131	113	87	38	14
30	---	---	---	---	---	---	---	134	115	87	35	14
31	---	---	---	---	---	---	---	132	---	83	34	---
TOTAL									3190	2845	1885	696
MEAN									106	91.8	60.8	23.2
AC-FT									6330	5640	3740	1380
MAX									144	121	94	34
MIN									84	76	34	13

CAL YR 1997 TOTAL		MEAN		MAX		MIN		AC-FT	
WTR YR 1998 TOTAL	8616	MEAN	23.6	MAX	144	MIN	13	AC-FT	17090

MAX DISCH 169 CFS AT 2145 02-JUN-1998 GH 2.82 FT. SHIFT 0.00 FT. MAX GH 2.82 FT. AT 2145 02-JUN-1998

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



PLATTE RIVER BASIN

SOUTH ST. VRAIN CREEK NEAR 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. 28, 1997-May 6, 1998 when station closed for winter. May 21, 1998 when problem with DCP record and chart data. Stage-discharge relation was affected by ice Oct. 16, 24-27, 1997. Chart record used on Oct. 16, 1997 when DCP data was low and Sep. 6-8, 1998 for trash correction. The record is good, except for period of no gage-height record and ice affected days, which are fair. This is a partial year record. Station maintained and record developed by Fred Renner.

RATING TABLE.--SSVWARCO09 USED FROM 01-OCT-1997 TO 30-SEP-1998

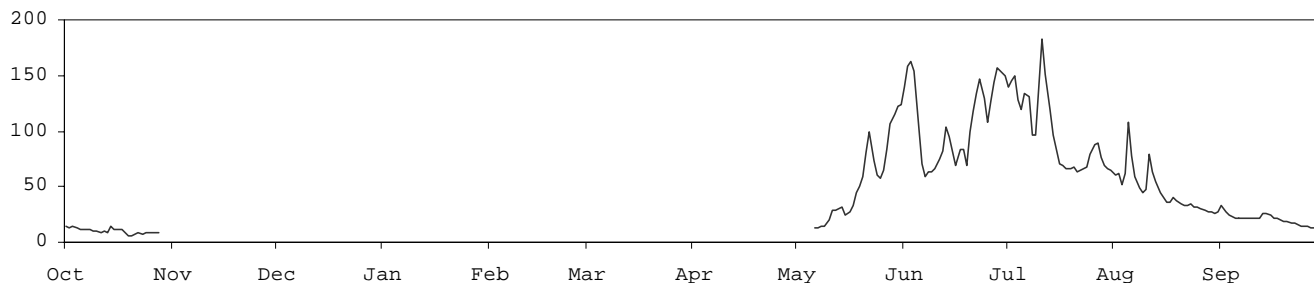
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	---	---	---	---	---	---	---	139	139	61	33
2	13	---	---	---	---	---	---	---	158	146	62	27
3	14	---	---	---	---	---	---	---	162	149	52	24
4	13	---	---	---	---	---	---	---	154	128	62	23
5	12	---	---	---	---	---	---	---	103	120	108	22
6	12	---	---	---	---	---	---	13	71	134	77	22
7	12	---	---	---	---	---	---	13	59	131	59	22
8	12	---	---	---	---	---	---	14	64	97	49	22
9	10	---	---	---	---	---	---	14	64	97	45	21
10	10	---	---	---	---	---	---	20	66	139	48	21
11	9.0	---	---	---	---	---	---	29	75	183	79	21
12	10	---	---	---	---	---	---	29	82	151	63	22
13	8.6	---	---	---	---	---	---	30	103	120	55	26
14	15	---	---	---	---	---	---	31	95	96	45	26
15	12	---	---	---	---	---	---	24	82	84	40	24
16	12	---	---	---	---	---	---	28	69	71	36	22
17	11	---	---	---	---	---	---	33	84	69	36	21
18	8.7	---	---	---	---	---	---	44	83	66	40	20
19	5.2	---	---	---	---	---	---	51	69	66	37	19
20	5.9	---	---	---	---	---	---	59	100	67	35	18
21	7.9	---	---	---	---	---	---	80	118	64	33	17
22	8.1	---	---	---	---	---	---	100	134	65	33	17
23	7.5	---	---	---	---	---	---	73	147	66	34	16
24	8.0	---	---	---	---	---	---	60	130	68	32	15
25	8.0	---	---	---	---	---	---	57	108	79	31	14
26	9.0	---	---	---	---	---	---	65	126	88	30	14
27	9.0	---	---	---	---	---	---	83	144	89	29	13
28	9.0	---	---	---	---	---	---	107	157	76	28	13
29	---	---	---	---	---	---	---	115	154	69	27	12
30	---	---	---	---	---	---	---	123	150	66	26	13
31	---	---	---	---	---	---	---	124	---	65	28	---
TOTAL	286.9								3250	3048	1420	600
MEAN	10.2								108	98.3	45.8	20.0
AC-FT	569								6450	6050	2820	1190
MAX	15								162	183	108	33
MIN	5.2								59	64	26	12

CAL YR 1997 TOTAL MEAN MAX MIN AC-FT 2610
WTR YR 1998 TOTAL 8604.9 MEAN 23.6 MAX 183 MIN 5.2 AC-FT 17070

MAX DISCH 213 CFS AT 0300 11-JUL-1998 GH 2.94 FT. SHIFT -0.07 FT. MAX GH 2.94 FT. AT 0300 11-JUL-1998

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", the gage is located ½ mile downstream from gage on S. St. Vrain Creek off Highway 72.

PERIOD OF RECORD AND DRAINAGE AREA.--Established station on May 21, 1992 at request of Water Commissioner for administration of water rights in District 5, Div. 1. This station is operated as a partial year record station usually from May to October.

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

REMARKS.--Record is complete except for the following periods: Oct. 25-28 when float was frozen in well; Oct. 29, 1997-May 17, 1998 when station was closed for winter; May 18-20, 1998 when recorder clock had problems. Stage-discharge relation was affected by ice Oct. 24, 1997. Chart gage-heights were used on the following days: May 20-31; June 1, 1998 because DCP was not set-up. The record is good, except for Oct. 24-28, 1997 and May 18-20 which were estimated. Station maintained and record developed by Fred Renner.

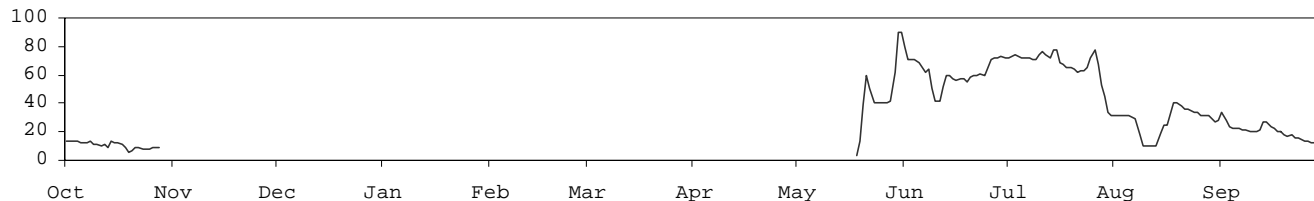
RATING TABLE.--LEFTHDCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	---	---	---	---	---	---	---	80	72	31	34
2	13	---	---	---	---	---	---	---	71	73	31	28
3	14	---	---	---	---	---	---	---	71	74	31	24
4	13	---	---	---	---	---	---	---	71	73	31	23
5	12	---	---	---	---	---	---	---	68	72	32	22
6	12	---	---	---	---	---	---	---	65	72	30	22
7	12	---	---	---	---	---	---	---	62	72	29	21
8	13	---	---	---	---	---	---	---	64	71	18	21
9	11	---	---	---	---	---	---	---	51	71	10	20
10	11	---	---	---	---	---	---	---	42	74	10	20
11	10	---	---	---	---	---	---	---	42	76	10	20
12	11	---	---	---	---	---	---	---	52	74	10	21
13	8.5	---	---	---	---	---	---	---	60	72	10	27
14	13	---	---	---	---	---	---	---	60	78	19	27
15	12	---	---	---	---	---	---	---	57	78	25	24
16	12	---	---	---	---	---	---	---	56	68	25	22
17	11	---	---	---	---	---	---	---	57	67	33	20
18	9.2	---	---	---	---	---	---	3.0	57	65	41	20
19	6.0	---	---	---	---	---	---	13	55	65	40	18
20	6.7	---	---	---	---	---	---	39	58	64	38	17
21	8.5	---	---	---	---	---	---	59	60	62	36	18
22	8.5	---	---	---	---	---	---	51	60	63	36	16
23	8.0	---	---	---	---	---	---	41	61	63	35	16
24	8.0	---	---	---	---	---	---	40	60	65	34	15
25	8.0	---	---	---	---	---	---	40	65	72	34	14
26	9.0	---	---	---	---	---	---	41	71	77	32	13
27	9.0	---	---	---	---	---	---	41	72	67	32	12
28	9.0	---	---	---	---	---	---	42	72	53	31	12
29	---	---	---	---	---	---	---	62	73	45	29	12
30	---	---	---	---	---	---	---	90	72	34	27	13
31	---	---	---	---	---	---	---	90	---	31	28	---
TOTAL	292.4								1865	2063	858	592
MEAN	10.4								62.2	66.5	27.7	19.7
AC-FT	580								3700	4090	1700	1170
MAX	14								80	78	41	34
MIN	6.0								42	31	10	12
CAL YR 1997 TOTAL												
WTR YR 1998 TOTAL		5670.4								55950		
MEAN					15.5					11250		
MAX							80					
MIN												
AC-FT												
MAX GH												
MIN GH												

MAX DISCH 92 CFS AT 2330 30-MAY-1998 GH 2.04 FT. SHIFT -0.03 FT. MAX GH 2.04 FT. AT 2330 30-MAY-1998

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: Nov. 4, 1997-May 17, 1998 when the station was closed for winter. The stage-discharge relation was affected by ice on Nov. 2-3, 1997. 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-1997 TO 30-SEP-1998

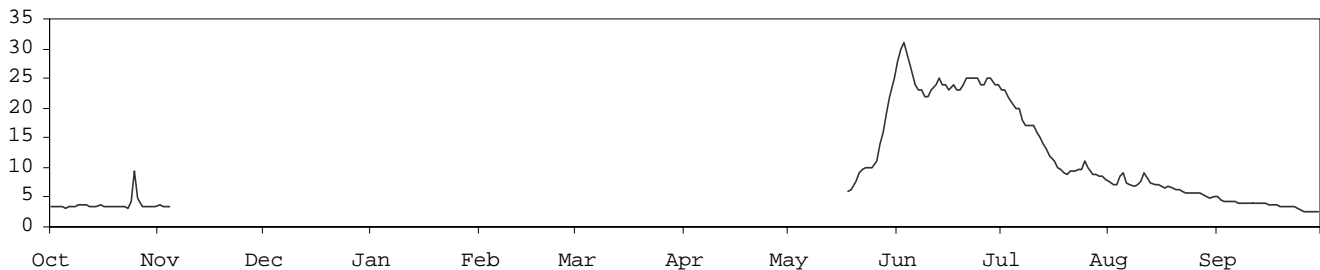
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	3.6	---	---	---	---	---	---	28	23	7.6	5.1
2	3.4	3.5	---	---	---	---	---	---	30	23	7.2	4.6
3	3.4	3.5	---	---	---	---	---	---	31	22	7.0	4.4
4	3.4	3.5	---	---	---	---	---	---	29	21	8.5	4.3
5	3.2	---	---	---	---	---	---	---	27	20	9.0	4.3
6	3.3	---	---	---	---	---	---	---	24	20	7.5	4.2
7	3.4	---	---	---	---	---	---	---	23	18	7.0	4.1
8	3.4	---	---	---	---	---	---	---	23	17	6.8	4.1
9	3.6	---	---	---	---	---	---	---	22	17	7.0	4.1
10	3.6	---	---	---	---	---	---	---	22	17	7.8	3.9
11	3.6	---	---	---	---	---	---	---	23	16	9.1	3.9
12	3.5	---	---	---	---	---	---	---	24	15	8.3	4.0
13	3.5	---	---	---	---	---	---	---	25	14	7.5	4.1
14	3.4	---	---	---	---	---	---	---	24	13	7.2	3.9
15	3.6	---	---	---	---	---	---	---	24	12	7.0	3.9
16	3.5	---	---	---	---	---	---	---	23	11	6.7	3.8
17	3.4	---	---	---	---	---	---	---	24	9.9	6.6	3.6
18	3.4	---	---	---	---	---	---	6.0	23	9.6	6.8	3.6
19	3.4	---	---	---	---	---	---	6.4	23	9.0	6.6	3.4
20	3.4	---	---	---	---	---	---	7.6	24	8.8	6.4	3.4
21	3.4	---	---	---	---	---	---	9.0	25	9.3	6.4	3.3
22	3.4	---	---	---	---	---	---	9.7	25	9.4	6.1	3.3
23	3.2	---	---	---	---	---	---	10	25	9.7	5.8	3.5
24	4.2	---	---	---	---	---	---	10	25	9.7	5.7	3.0
25	9.5	---	---	---	---	---	---	10	24	11	5.6	2.8
26	4.7	---	---	---	---	---	---	11	24	9.9	5.6	2.5
27	3.5	---	---	---	---	---	---	14	25	8.8	5.6	2.5
28	3.5	---	---	---	---	---	---	16	25	8.9	5.4	2.5
29	3.4	---	---	---	---	---	---	19	24	8.5	5.1	2.5
30	3.4	---	---	---	---	---	---	22	24	8.4	4.9	2.6
31	3.5	---	---	---	---	---	---	25	---	8.1	5.1	---
TOTAL	114.5								742	418.0	208.9	109.2
MEAN	3.69								24.7	13.5	6.74	3.64
AC-FT	227								1470	829	414	217
MAX	9.5								31	23	9.1	5.1
MIN	3.2								22	8.1	4.9	2.5

CAL YR 1997 TOTAL MEAN MAX MIN AC-FT 67590
WTR YR 1998 TOTAL 1592.6 MEAN 4.36 MAX 31 MIN 2.5 AC-FT 3160

MAX DISCH 43 CFS AT 1211 03-JUN-1998 GH 2.67 FT. SHIFT -0.01 FT. MAX GH 2.67 FT. AT 1211 03-JUN-1998

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: Nov. 15-25, 1997 when ice was in well; Dec. 5, 1997-Apr. 6, 1998 when station was closed for winter period. Apr. 9, 18, 1998 when DCP was missing some 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-1997 TO 30-SEP-1998

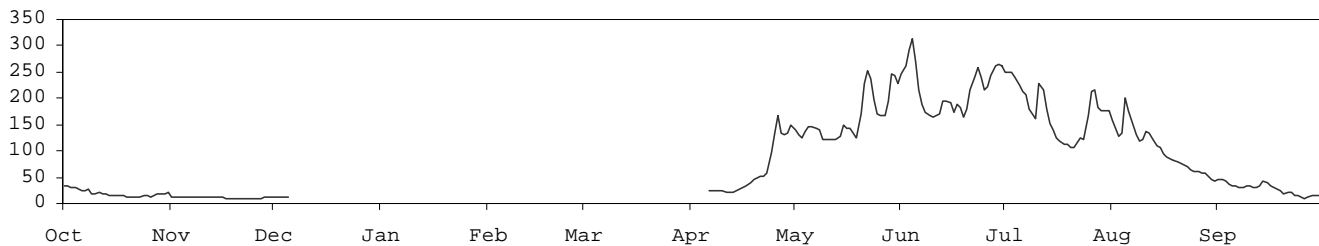
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	13	11	---	---	---	---	139	247	250	158	45
2	34	12	12	---	---	---	---	130	262	249	142	46
3	31	13	11	---	---	---	---	124	292	249	128	42
4	31	13	11	---	---	---	---	136	315	241	134	38
5	26	12	11	---	---	---	---	146	271	224	202	35
6	24	11	---	---	---	---	25	145	217	213	177	32
7	23	11	---	---	---	---	25	144	188	207	148	31
8	26	11	---	---	---	---	24	139	172	179	131	31
9	17	12	---	---	---	---	24	122	166	169	120	34
10	19	12	---	---	---	---	23	121	165	162	122	32
11	20	12	---	---	---	---	22	122	168	228	136	31
12	19	11	---	---	---	---	21	122	170	217	134	30
13	18	11	---	---	---	---	21	122	196	179	119	34
14	15	11	---	---	---	---	23	127	196	152	109	42
15	14	11	---	---	---	---	27	148	193	141	106	41
16	15	11	---	---	---	---	31	143	173	125	94	35
17	15	10	---	---	---	---	32	142	188	118	87	31
18	14	10	---	---	---	---	40	134	184	114	84	28
19	13	10	---	---	---	---	45	126	165	112	83	23
20	12	10	---	---	---	---	49	169	180	108	78	19
21	13	9.0	---	---	---	---	51	228	215	107	75	20
22	13	9.0	---	---	---	---	52	253	241	117	73	20
23	13	9.0	---	---	---	---	59	237	258	126	69	16
24	14	9.0	---	---	---	---	97	198	240	122	63	14
25	16	9.0	---	---	---	---	134	171	216	166	62	11
26	12	9.1	---	---	---	---	167	167	222	213	60	9.1
27	14	9.9	---	---	---	---	135	166	243	216	58	11
28	17	11	---	---	---	---	131	196	263	183	57	15
29	17	11	---	---	---	---	134	247	266	178	51	14
30	18	11	---	---	---	---	148	244	261	178	46	14
31	20	---	---	---	---	---	---	227	---	177	43	---
TOTAL	588	324.0						5035	6533	5420	3149	824.1
MEAN	19.0	10.8						162	218	175	102	27.5
AC-FT	1170	643						9990	12960	10750	6250	1630
MAX	35	13						253	315	250	202	46
MIN	12	9.0						121	165	107	43	9.1

CAL YR 1997 TOTAL 34074.0 MEAN 93.4 MAX 738 MIN 9.0 AC-FT 67590
WTR YR 1998 TOTAL 21873.1 MEAN 59.9 MAX 315 MIN 9.0 AC-FT 43390

MAX DISCH 333 CFS AT 1030 04-JUN-1998 GH 2.40 FT. SHIFT -0.01 FT. MAX GH 2.40 FT. AT 1030 04-JUN-1998

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 Jun 10-11; Sep. 9-10, 1998 and to fill in hours missed on some days. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--SVCLYOCO22 USED FROM 01-OCT-1997 TO 30-SEP-1998

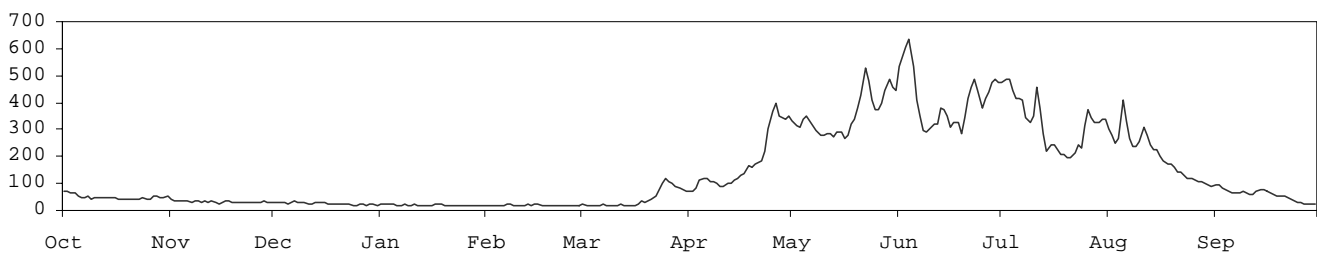
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	40	32	21	20	21	70	330	531	474	304	94
2	70	38	31	21	19	20	74	313	568	484	279	94
3	64	35	29	22	19	20	83	309	605	484	250	82
4	63	37	30	22	20	19	110	336	637	447	267	75
5	53	35	25	22	20	19	121	349	533	418	407	70
6	49	33	30	20	20	19	117	335	410	416	330	66
7	48	32	33	18	21	21	106	313	350	410	269	66
8	52	35	30	22	21	20	106	296	294	347	239	66
9	43	37	28	18	20	19	98	276	289	329	240	71
10	45	31	28	17	19	19	91	278	305	348	256	68
11	45	33	25	22	17	18	91	287	318	455	307	62
12	48	30	24	20	18	21	99	284	323	381	278	62
13	45	34	29	19	21	20	102	274	382	282	245	71
14	47	28	29	20	20	20	110	290	376	219	225	80
15	47	23	30	20	21	20	118	292	352	245	226	77
16	46	29	28	20	22	19	132	265	306	241	202	71
17	43	34	25	21	20	22	137	276	329	224	186	64
18	40	33	25	21	19	34	166	319	325	209	175	57
19	40	32	23	21	20	30	163	338	287	206	172	54
20	41	32	22	18	19	36	172	379	345	195	158	52
21	44	30	23	20	20	42	176	430	415	194	144	51
22	43	30	26	18	19	52	186	526	455	215	141	48
23	41	30	22	19	20	76	218	483	484	243	129	44
24	46	30	20	20	19	99	305	412	443	233	119	38
25	44	29	20	19	17	117	369	376	380	314	118	31
26	43	30	22	20	16	108	400	376	414	371	114	28
27	55	32	21	19	17	99	350	397	440	344	109	24
28	55	33	20	20	19	91	347	445	474	328	109	25
29	49	31	24	19	---	84	340	488	484	325	99	23
30	47	31	21	19	---	77	349	457	473	337	92	24
31	51	---	20	20	---	72	---	445	---	339	88	---
TOTAL	1521	967	795	618	543	1354	5306	10974	12327	10057	6277	1738
MEAN	49.1	32.2	25.6	19.9	19.4	43.7	177	354	411	324	202	57.9
AC-FT	3020	1920	1580	1230	1080	2690	10520	21770	24450	19950	12450	3450
MAX	74	40	33	22	22	117	400	526	637	484	407	94
MIN	40	23	20	17	16	18	70	265	287	194	88	23

CAL YR 1997 TOTAL 70305 MEAN 193 MAX 1550 MIN 17 AC-FT 139400
WTR YR 1998 TOTAL 52477 MEAN 144 MAX 637 MIN 16 AC-FT 104100

MAX DISCH 662 CFS AT 0445 04-JUN-1998 GH 4.81 FT. SHIFT -0.02 FT. MAX GH 4.81 FT. AT 0445 04-JUN-1998

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 affected by ice in the following periods: Nov. 16-17, 29-30; Dec. 3-4, 12, 20-24, 1997; Jan. 5-9, 16; Feb. 1, 10-15, 17-22, 25-28; Mar. 8-13, 15, 18-20; Apr. 3, 17-18, 1998. Graphic chart record was used on Oct. 1; Nov. 18-19; Dec. 6-18, 25-30, 1997; Jan. 10-31; Feb. 1-4, 1998. The record is good, except for periods of ice affect, which are fair. Station maintained and record developed by Fred Renner.

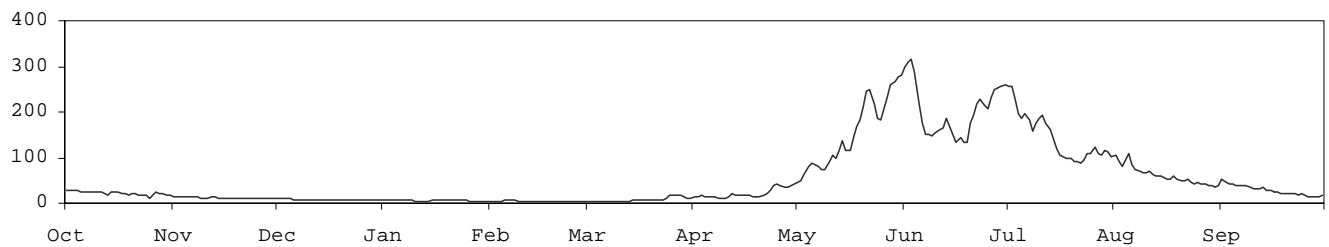
RATING TABLE.--BOCMIDCO07 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	15	9.9	6.0	5.0	4.5	15	44	299	255	105	51
2	28	13	9.5	6.2	4.7	4.4	13	50	309	257	90	47
3	29	15	9.5	6.1	4.7	4.3	17	62	316	228	79	43
4	27	14	9.0	6.0	4.9	4.4	14	79	288	196	96	42
5	26	14	9.0	6.5	5.3	4.4	13	89	219	185	110	40
6	24	14	8.5	6.5	5.6	4.5	13	84	175	197	84	38
7	24	14	8.3	6.5	5.3	4.3	13	80	152	181	75	37
8	24	14	8.3	6.0	5.5	4.5	12	75	151	157	69	37
9	23	12	8.3	5.5	5.1	4.5	12	75	147	175	68	35
10	24	12	8.3	5.1	5.0	4.5	12	90	156	187	68	33
11	23	12	7.9	4.9	5.0	4.5	15	105	163	192	70	31
12	21	14	8.0	4.9	5.0	4.5	20	98	164	175	64	31
13	16	13	7.9	5.1	5.0	5.0	19	117	187	160	61	35
14	24	11	7.5	4.9	5.0	5.9	18	137	170	142	60	29
15	26	12	7.5	5.7	5.0	5.5	17	117	150	120	57	27
16	24	11	7.3	5.5	4.9	5.7	16	117	135	107	54	25
17	22	11	7.3	5.5	5.0	6.0	16	143	143	101	53	23
18	21	11	7.3	5.3	5.0	6.0	15	169	135	99	61	22
19	19	11	7.4	5.5	5.0	6.5	15	183	134	97	54	21
20	20	11	7.0	5.7	5.0	6.7	15	211	174	92	50	20
21	20	11	7.0	5.7	5.0	6.9	16	244	194	90	50	22
22	18	11	7.0	5.9	5.0	7.2	21	250	217	89	51	20
23	16	12	6.5	5.9	4.8	8.2	29	217	229	95	46	19
24	16	11	6.5	5.7	5.0	12	38	186	215	108	43	20
25	12	10	6.5	5.3	5.0	16	41	183	206	110	44	17
26	19	10	6.1	5.1	5.0	16	40	206	231	123	41	15
27	24	10	5.9	4.9	4.5	16	35	233	250	109	42	15
28	22	10	5.7	5.1	4.5	16	34	261	254	106	39	14
29	20	10	5.5	5.1	---	14	37	266	257	116	37	15
30	18	10	6.1	5.1	---	12	41	278	261	113	35	18
31	18	---	6.0	4.9	---	12	---	282	---	103	39	---
TOTAL	677	359	232.5	172.1	139.8	236.9	632	4731	6081	4465	1895	842
MEAN	21.8	12.0	7.50	5.55	4.99	7.64	21.1	153	203	144	61.1	28.1
AC-FT	1340	712	461	341	277	470	1250	9380	12060	8860	3760	1670
MAX	29	15	9.9	6.5	5.6	16	41	282	316	257	110	51
MIN	12	10	5.5	4.9	4.5	4.3	12	44	134	89	35	14
CAL YR 1997 TOTAL		28208.3	MEAN	77.3	MAX	511	MIN	2.4	AC-FT	55950		
WTR YR 1998 TOTAL		20463.3	MEAN	56.1	MAX	316	MIN	4.3	AC-FT	40590		

MAX DISCH 357 CFS AT 2230 02-JUN-1998 GH 2.71 FT. SHIFT 0.05 FT. MAX GH 2.71 FT. AT 2230 02-JUN-1998

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. 21-24, 29-30; Dec. 3-8, 10-16, 20-31, 1997; Jan. 4-16, 18-27, 29-30; Feb. 1-3, 7, 10-15, 17, 19, 21-22, 26-28; Mar. 1-3, 5-14, 19-21, 1998. 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-1997 TO 30-SEP-1998

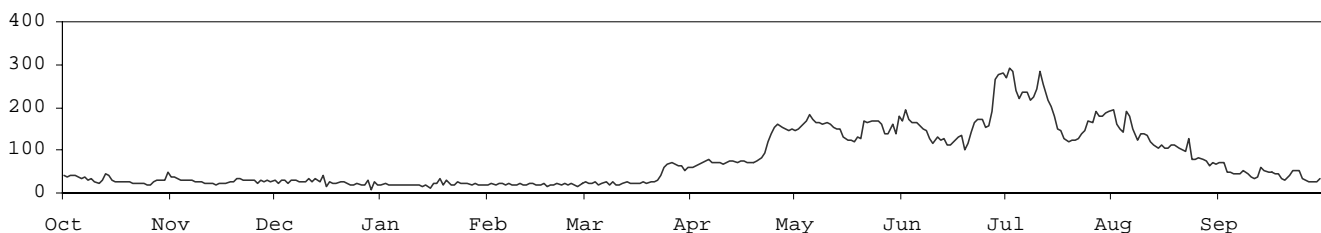
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	38	30	19	18	25	60	145	169	271	194	70
2	36	36	24	22	23	24	62	149	195	291	160	70
3	41	34	30	18	18	24	68	157	171	285	149	49
4	40	31	29	20	23	25	72	170	166	240	143	47
5	36	31	24	18	23	19	76	182	165	222	191	46
6	35	30	29	18	19	24	77	171	156	236	179	43
7	36	29	29	18	22	25	72	165	150	235	149	46
8	31	26	27	18	17	20	71	166	146	217	122	51
9	33	27	28	19	20	25	71	162	126	225	137	43
10	26	27	28	17	23	18	69	164	116	242	139	39
11	23	24	32	17	18	20	71	162	130	283	136	34
12	29	24	28	19	19	21	74	152	124	253	121	37
13	45	23	33	16	23	25	75	150	126	218	114	60
14	42	20	25	17	23	21	71	151	113	202	105	52
15	29	22	41	11	17	21	75	129	111	179	111	47
16	26	22	14	23	17	21	75	125	120	151	105	49
17	25	23	27	23	21	22	71	125	129	147	104	43
18	27	25	22	33	16	28	71	120	134	128	112	44
19	27	26	22	18	17	24	71	130	102	119	111	35
20	26	33	26	29	19	27	74	128	116	125	105	31
21	24	34	25	19	23	27	84	170	143	122	100	40
22	23	31	24	19	17	29	93	163	164	127	98	54
23	22	30	20	27	22	41	119	167	171	137	128	54
24	21	29	18	23	18	58	139	168	171	145	80	51
25	19	29	21	21	23	68	153	170	155	167	80	34
26	19	24	19	24	18	70	159	159	158	163	83	30
27	27	30	18	20	16	67	152	140	190	192	77	28
28	31	27	30	24	23	64	149	140	265	179	73	25
29	29	30	7.8	19	---	65	147	162	277	181	65	25
30	29	26	25	19	---	53	149	140	279	186	72	33
31	47	---	18	17	---	61	---	180	---	192	69	---
TOTAL	944	841	773.8	625	556	1062	2770	4762	4738	6060	3612	1310
MEAN	30.5	28.0	25.0	20.2	19.9	34.3	92.3	154	158	195	117	43.7
AC-FT	1870	1670	1530	1240	1100	2110	5490	9450	9400	12020	7160	2600
MAX	47	38	41	33	23	70	159	182	279	291	194	70
MIN	19	20	7.8	11	16	18	60	120	102	119	65	25

CAL YR 1997 TOTAL 39368.0 MEAN 108 MAX 728 MIN 5.2 AC-FT 78090
WTR YR 1998 TOTAL 28053.8 MEAN 76.9 MAX 291 MIN 7.8 AC-FT 55640

MAX DISCH 310 CFS AT 0515 02-JUL-1998 GH 3.07 FT. SHIFT 0.00 FT. MAX GH 3.07 FT. AT 0515 02-JUL-1998

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. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--BOCBGRCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

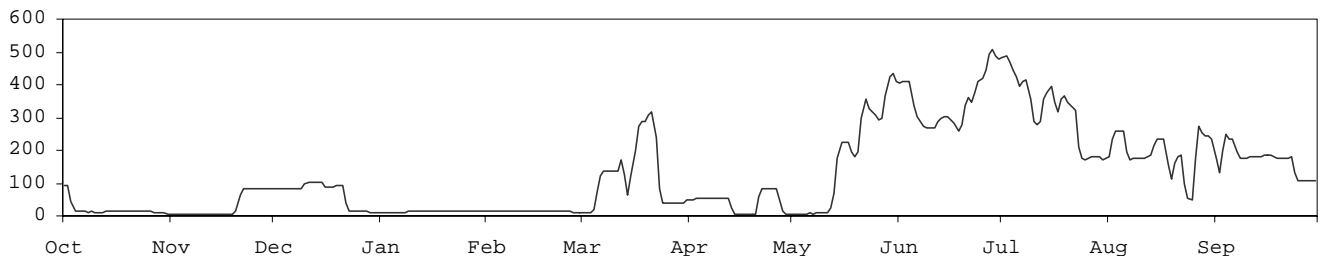
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	4.7	81	10	13	11	51	6.0	407	485	181	174
2	93	4.9	81	10	13	9.0	51	5.6	412	489	232	134
3	43	4.7	81	10	13	7.8	52	5.6	412	466	259	202
4	14	4.9	81	10	13	19	52	5.4	412	444	259	249
5	14	5.0	82	10	13	71	52	5.3	338	423	259	232
6	15	5.0	81	12	13	122	52	11	301	393	196	232
7	13	5.0	81	12	13	139	52	5.0	287	408	170	196
8	12	5.0	81	12	13	139	52	9.6	272	415	175	176
9	13	5.0	81	13	13	139	52	12	268	355	175	175
10	12	5.0	96	13	13	139	52	12	269	287	175	175
11	11	5.0	104	13	13	139	52	12	268	279	175	179
12	12	5.0	104	13	13	169	52	26	289	287	181	181
13	15	5.1	104	14	13	128	22	70	300	354	183	181
14	15	5.2	104	14	13	61	5.6	177	301	376	215	181
15	14	5.3	104	14	13	121	5.7	226	301	393	233	183
16	14	5.6	89	15	13	202	5.6	226	293	345	233	184
17	14	5.6	87	16	13	272	5.9	225	281	315	233	184
18	14	5.6	90	16	13	289	6.2	195	259	356	157	180
19	14	5.0	91	16	13	287	6.1	179	276	368	111	177
20	14	13	92	16	13	308	6.8	197	336	348	163	177
21	14	63	92	16	13	318	60	296	361	339	179	177
22	14	83	39	16	13	238	83	354	345	322	185	177
23	15	83	14	16	13	85	83	328	377	211	99	181
24	17	81	14	15	13	39	83	315	411	176	52	134
25	17	81	14	15	13	39	83	307	418	171	48	106
26	17	81	14	15	12	39	83	293	445	175	178	106
27	11	81	14	15	11	39	49	299	491	181	273	106
28	7.8	81	14	14	11	39	16	365	506	181	252	106
29	7.8	81	12	13	---	39	6.6	424	487	181	246	106
30	7.8	81	11	13	---	40	6.6	433	477	172	242	106
31	6.1	---	10	13	---	47	---	409	---	176	236	---
TOTAL	593.5	905.6	2043	420	359	3733.8	1239.1	5433.5	10600	9871	5955	5057
MEAN	19.1	30.2	65.9	13.5	12.8	120	41.3	175	353	318	192	169
AC-FT	1180	1800	4050	833	712	7410	2460	10780	21030	19580	11810	10030
MAX	93	83	104	16	13	318	83	433	506	489	273	249
MIN	6.1	4.7	10	10	11	7.8	5.6	5.0	259	171	48	106

CAL YR 1997 TOTAL 50947.6 MEAN 140 MAX 516 MIN 4.7 AC-FT 101100
WTR YR 1998 TOTAL 46210.5 MEAN 127 MAX 506 MIN 4.7 AC-FT 91660

MAX DISCH 509 CFS AT 0945 27-JUN-1998 GH 2.89 FT. SHIFT -0.03 FT. MAX GH 2.89 FT. AT 0945 27-JUN-1998

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. Satellite monitoring installed Apr. 24, 1998 and DCP data is primary record with chart as back up. Station is owned and maintained by Denver Water Board personnel.

REMARKS.--Record is complete and reliable. This is a controlled structure and canal was off Oct. 4-Nov. 20; Dec. 23-31, 1997; Jan.1-Mar. 4, 24-31; Apr. 1-20; May 2-26; Aug. 24-25, 1998. Chart record was used from Oct. 1, 1997-Apr. 23, 1998; June 15-18, 1998. The record is good. Record developed by Fred Renner.

RATING TABLE.--BOSDELCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

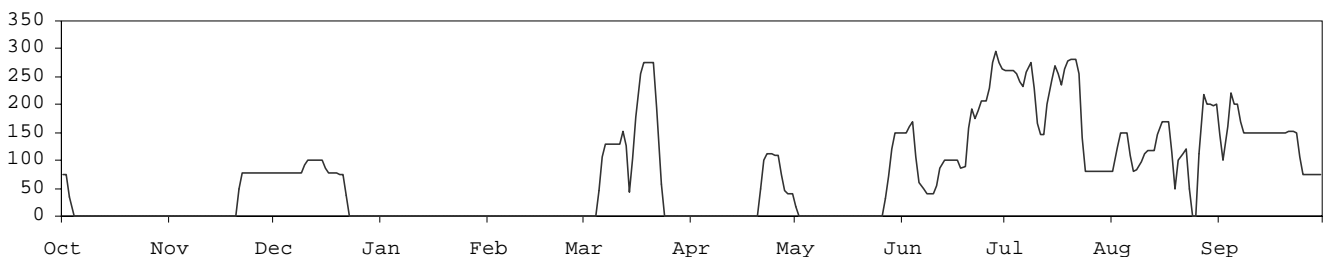
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	0.0	78	0.0	0.0	0.0	0.0	17	149	262	80	145
2	76	0.0	78	0.0	0.0	0.0	0.0	0.0	150	261	124	101
3	35	0.0	78	0.0	0.0	0.0	0.0	0.0	162	260	150	160
4	0.0	0.0	78	0.0	0.0	0.0	0.0	0.0	168	256	150	220
5	0.0	0.0	78	0.0	0.0	47	0.0	0.0	105	240	150	202
6	0.0	0.0	78	0.0	0.0	105	0.0	0.0	60	233	110	201
7	0.0	0.0	78	0.0	0.0	129	0.0	0.0	48	258	81	169
8	0.0	0.0	78	0.0	0.0	129	0.0	0.0	41	274	82	150
9	0.0	0.0	78	0.0	0.0	129	0.0	0.0	41	230	98	149
10	0.0	0.0	91	0.0	0.0	129	0.0	0.0	41	165	113	149
11	0.0	0.0	101	0.0	0.0	128	0.0	0.0	55	146	117	150
12	0.0	0.0	101	0.0	0.0	153	0.0	0.0	86	146	117	150
13	0.0	0.0	101	0.0	0.0	126	0.0	0.0	101	202	117	150
14	0.0	0.0	101	0.0	0.0	43	0.0	0.0	101	245	146	150
15	0.0	0.0	101	0.0	0.0	104	0.0	0.0	101	269	168	150
16	0.0	0.0	87	0.0	0.0	178	0.0	0.0	99	254	168	150
17	0.0	0.0	77	0.0	0.0	256	0.0	0.0	101	234	168	150
18	0.0	0.0	77	0.0	0.0	276	0.0	0.0	86	263	114	150
19	0.0	0.0	77	0.0	0.0	276	0.0	0.0	89	279	48	150
20	0.0	0.0	75	0.0	0.0	276	0.0	0.0	157	280	100	150
21	0.0	48	75	0.0	0.0	276	50	0.0	193	280	112	151
22	0.0	77	36	0.0	0.0	194	99	0.0	176	255	120	151
23	0.0	77	0.0	0.0	0.0	57	111	0.0	189	141	48	150
24	0.0	77	0.0	0.0	0.0	0.0	111	0.0	206	81	0.0	106
25	0.0	77	0.0	0.0	0.0	0.0	110	0.0	206	81	0.0	74
26	0.0	77	0.0	0.0	0.0	0.0	110	0.0	230	81	111	74
27	0.0	77	0.0	0.0	0.0	0.0	75	32	276	80	219	75
28	0.0	77	0.0	0.0	0.0	0.0	45	71	296	80	200	75
29	0.0	77	0.0	0.0	---	0.0	40	120	275	80	200	74
30	0.0	77	0.0	0.0	---	0.0	40	149	263	80	199	74
31	0.0	---	0.0	0.0	---	0.0	---	149	---	80	201	---
TOTAL	187	741	1802	0.0	0.0	3011	791	538	4251	6076	3811	4150
MEAN	6.03	24.7	58.1	0.0	0.0	97.1	26.4	17.4	142	196	123	138
AC-FT	371	1470	3570	0.0	0.0	5970	1570	1070	8430	12050	7560	8230
MAX	76	77	101	0.0	0.0	276	111	149	296	280	219	220
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	80	0.0	74

CAL YR 1997 TOTAL 27713.7 MEAN 75.9 MAX 301 MIN 0.00 AC-FT 54970
WTR YR 1998 TOTAL 25358 MEAN 69.5 MAX 296 MIN 0.00 AC-FT 50300

MAX DISCH 301 CFS AT 1130 04-SEP-1998 GH 3.19 FT. SHIFT 0.01 FT. MAX GH 3.19 FT. AT 1130 04-SEP-1998

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: Nov. 14-17; Dec. 11-18, 24-30, 1997 when float was frozen in ice layer in well; Dec. 31, 1997-Mar. 5, 1998 when station was closed for winter. Record was affected by ice Nov. 22; Dec. 5-6, 23, 1997. Chart record was used on Dec. 7-8, 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.

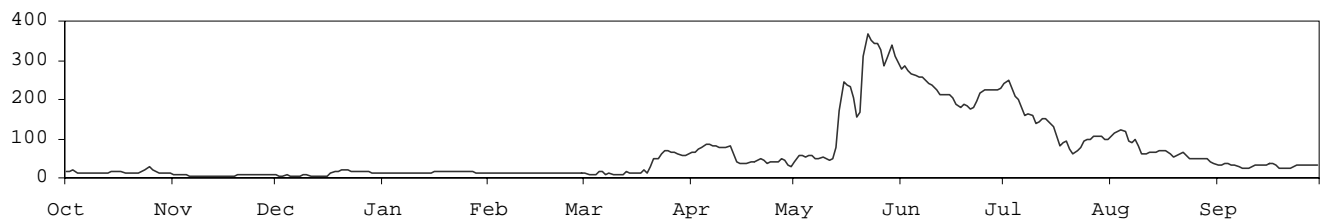
RATING TABLE.--BOCELSCO22 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	9.5	6.5	11	13	11	67	41	276	241	107	33
2	17	7.6	5.9	11	13	9.0	67	58	286	249	114	32
3	19	6.7	5.9	11	13	8.0	72	56	272	228	120	37
4	14	6.4	6.3	11	13	8.0	78	55	264	207	122	35
5	14	6.3	6.0	11	13	18	84	59	262	202	120	32
6	13	5.9	5.0	12	13	18	85	57	256	179	95	33
7	13	5.7	3.9	13	13	10	82	49	256	159	88	28
8	11	5.2	5.1	13	13	11	80	49	248	164	96	25
9	12	5.8	6.4	14	13	7.8	79	52	240	158	81	26
10	12	5.2	6.3	14	13	7.0	78	48	238	140	63	26
11	12	5.1	5.0	14	13	6.3	79	46	225	144	60	29
12	12	5.4	5.0	14	13	8.0	83	49	213	152	64	33
13	14	6.0	5.0	14	13	17	63	78	213	153	66	32
14	17	6.0	5.0	14	13	14	39	173	214	144	67	32
15	15	6.0	5.0	14	13	14	38	243	213	132	69	34
16	15	6.0	5.0	15	13	11	36	237	203	105	70	35
17	15	5.0	12	16	13	11	35	232	187	81	68	35
18	14	4.1	17	16	13	20	40	203	179	90	60	31
19	14	4.4	18	16	13	14	41	156	187	94	53	25
20	14	7.2	20	16	13	30	46	169	185	74	59	25
21	14	8.9	21	16	13	48	50	312	177	61	62	25
22	14	8.0	22	16	13	49	44	366	178	71	64	24
23	15	6.5	17	16	13	60	37	352	195	79	59	28
24	19	6.2	15	15	13	70	41	343	217	95	50	34
25	27	6.3	15	15	13	69	39	342	226	96	47	33
26	19	6.4	15	15	12	65	41	327	224	96	47	33
27	16	6.8	15	15	11	64	47	286	226	106	50	32
28	11	7.3	15	14	11	62	46	305	225	106	51	32
29	11	7.0	13	13	---	59	34	339	226	106	47	33
30	12	7.0	12	13	---	57	27	311	229	99	42	32
31	14	---	11	13	---	62	---	293	---	99	37	---
TOTAL	456	189.9	325.3	431	359	918.1	1678	5686	6740	4110	2198	924
MEAN	14.7	6.33	10.5	13.9	12.8	29.6	55.9	183	225	133	70.9	30.8
AC-FT	904	377	645	855	712	1820	3330	11280	13370	8150	4360	1830
MAX	27	9.5	22	16	13	70	85	366	286	249	122	37
MIN	11	4.1	3.9	11	11	6.3	27	41	177	61	37	24
CAL YR 1997 TOTAL		24237.2	MEAN	66.4	MAX	416	MIN	3.9	AC-FT	48070		
WTR YR 1998 TOTAL		24015.3	MEAN	65.8	MAX	366	MIN	3.9	AC-FT	47630		

MAX DISCH 385 CFS AT 1200 22-MAY-1998 GH 3.11 FT. SHIFT -0.04 FT. MAX GH 3.11 FT. AT 1200 22-MAY-1998

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: Nov. 15-17, 1997 when clock stopped; Dec. 4, 1997-Mar. 5, 1998 when station was closed for the winter. Record is good, except for period of no gage-height record and ice effect, which is fair. Coal creek is a partial year record. Station maintained and record developed by Fred Renner.

RATING TABLE.--COCREPC008 USED FROM 01-OCT-1997 TO 30-SEP-1998

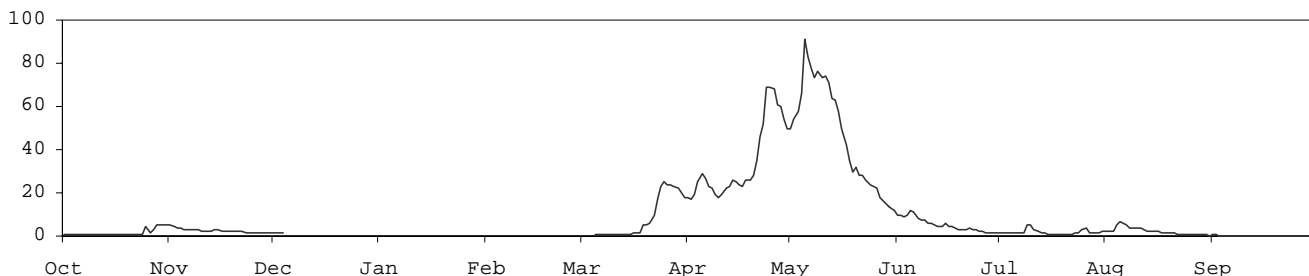
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.73	5.5	1.8	---	---	---	18	50	10	1.6	2.5	0.48
2	0.73	4.5	1.8	---	---	---	17	54	9.6	1.6	2.3	0.48
3	0.67	4.0	1.5	---	---	---	19	58	9.2	1.5	2.1	0.30
4	0.67	3.4	1.5	---	---	---	25	66	10	1.6	5.3	0.19
5	0.67	3.2	---	---	---	0.50	29	91	12	1.5	7.0	0.17
6	0.67	3.0	---	---	---	0.50	27	83	11	1.3	5.9	0.15
7	0.67	2.8	---	---	---	1.1	23	78	8.3	1.2	5.0	0.16
8	0.73	2.8	---	---	---	1.1	22	73	7.5	1.6	4.0	0.14
9	0.73	2.8	---	---	---	1.0	19	76	7.1	5.2	3.6	0.11
10	0.73	2.5	---	---	---	0.50	18	73	5.8	5.4	3.5	0.12
11	0.73	2.5	---	---	---	0.50	19	74	5.7	3.0	3.5	0.10
12	0.87	2.5	---	---	---	0.50	22	71	4.9	1.9	2.9	0.12
13	0.87	2.5	---	---	---	0.50	23	64	4.6	1.5	2.3	0.37
14	0.80	3.0	---	---	---	1.0	26	63	4.3	1.2	2.0	0.23
15	0.73	3.0	---	---	---	1.1	25	58	5.9	1.1	1.9	0.16
16	0.67	2.5	---	---	---	1.3	24	50	4.5	1.1	2.0	0.12
17	0.67	2.0	---	---	---	1.4	23	42	4.3	0.87	1.7	0.05
18	0.67	2.0	---	---	---	1.8	26	35	3.8	0.73	1.4	0.03
19	0.61	2.0	---	---	---	5.2	26	30	3.3	0.57	1.4	0.03
20	0.67	2.0	---	---	---	5.5	28	32	3.1	0.49	1.3	0.03
21	0.73	1.9	---	---	---	5.8	35	28	3.2	0.45	1.2	0.08
22	0.73	1.9	---	---	---	9.6	46	28	3.4	0.68	1.0	0.18
23	0.67	1.6	---	---	---	17	52	26	3.2	1.8	0.89	0.14
24	0.87	1.8	---	---	---	23	69	24	2.6	1.7	0.83	0.13
25	4.5	1.8	---	---	---	25	69	23	2.2	2.6	0.86	0.06
26	1.5	1.6	---	---	---	24	68	22	2.0	3.4	0.77	0.02
27	3.0	1.6	---	---	---	24	61	18	1.8	1.8	0.63	0.01
28	5.0	1.8	---	---	---	23	60	16	1.6	1.5	0.55	0.01
29	5.2	1.6	---	---	---	22	54	15	1.5	1.4	0.48	0.01
30	5.2	1.6	---	---	---	20	50	13	1.5	1.7	0.40	0.01
31	5.5	---	---	---	---	18	---	12	---	1.9	0.35	---
TOTAL	47.19	75.7					1023	1446	157.9	53.88	69.56	4.18
MEAN	1.52	2.52					34.1	46.6	5.26	1.74	2.24	0.14
AC-FT	94	150					2030	2870	313	107	138	8.3
MAX	5.5	5.5					69	91	12	5.4	7.0	0.48
MIN	0.61	1.6					17	12	1.5	0.45	0.35	0.01

CAL YR 1997 TOTAL 1798.71 MEAN 4.93 MAX 56 MIN 0.16 AC-FT 3570
WTR YR 1998 TOTAL 2877.42 MEAN 7.88 MAX 91 MIN 0.01 AC-FT 5710

MAX DISCH 100 CFS AT 0400 05-MAY-1998 GH 1.60 FT. SHIFT -0.01 FT. MAX GH 1.60 FT. AT 0400 05-MAY-1998

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.--Graphic water-stage recorder with satellite monitoring DCP in a 54 inch metal pipe shelter and well. Station reconstructed April 1996. Data collection platform is the primary record with graphic chart as backup.

REMARKS.--Record is complete and reliable. The record is fair, due to the instability of the channel. Station maintained and record developed by Brent Schantz.

RATING TABLE.--SVCPLACO25 USED FROM 01-OCT-1997 TO 30-SEP-1998

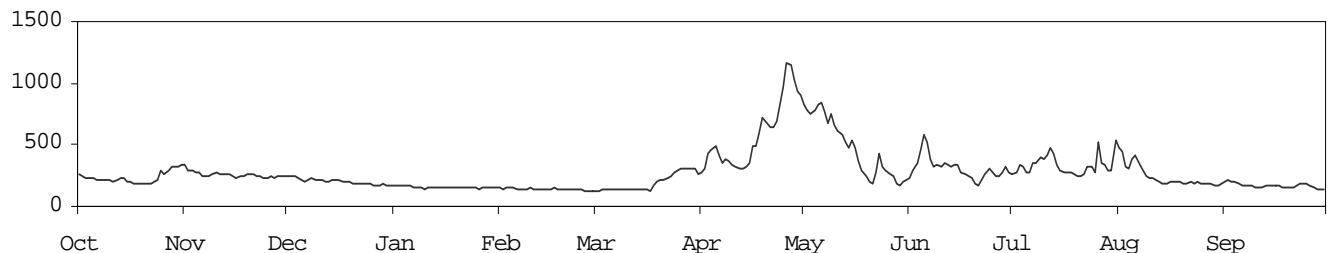
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	331	238	171	148	126	272	819	236	263	473	199
2	239	297	244	167	145	129	300	778	285	282	449	218
3	226	288	246	168	146	132	424	753	348	338	317	205
4	234	279	237	167	147	133	466	779	462	326	304	195
5	224	272	220	164	146	132	491	828	584	283	389	186
6	212	251	203	163	144	133	406	837	513	277	410	176
7	221	248	217	154	142	139	357	767	385	347	339	171
8	216	244	225	150	144	139	389	670	329	359	294	164
9	218	257	221	158	142	140	375	752	344	394	250	161
10	218	273	221	138	146	140	330	664	327	385	235	157
11	205	266	212	155	142	134	318	618	351	406	225	150
12	210	266	197	157	141	131	301	587	344	482	209	152
13	225	264	202	152	143	136	299	514	323	434	199	168
14	224	261	213	149	141	138	323	469	342	343	186	175
15	205	238	209	147	141	140	349	541	343	298	191	174
16	196	230	215	148	144	134	485	475	280	283	204	166
17	190	240	198	150	150	130	483	375	261	274	198	161
18	186	249	203	151	144	167	594	297	242	268	195	159
19	186	257	197	159	139	206	727	246	224	264	192	152
20	185	262	190	153	138	211	674	206	188	241	186	148
21	191	256	183	153	136	217	645	191	175	248	178	150
22	189	249	189	146	136	227	637	269	209	265	198	168
23	192	239	185	148	132	238	689	422	266	316	191	183
24	217	236	177	148	133	268	820	326	305	324	192	184
25	287	236	177	150	133	289	959	286	272	283	184	181
26	267	238	165	144	130	311	1170	263	248	514	180	164
27	298	237	166	147	126	305	1150	238	238	358	182	151
28	329	249	162	150	127	307	1030	191	270	333	177	137
29	322	247	180	149	---	300	938	174	320	285	172	134
30	314	241	164	147	---	307	900	205	275	296	172	139
31	331	---	171	150	---	263	---	215	---	536	177	---
TOTAL	7211	7701	6227	4753	3926	5902	17301	14755	9289	10305	7448	5028
MEAN	233	257	201	153	140	190	577	476	310	332	240	168
AC-FT	14300	15270	12350	9430	7790	11710	34320	29270	18420	20440	14770	9970
MAX	331	331	246	171	150	311	1170	837	584	536	473	218
MIN	185	230	162	138	126	126	272	174	175	241	172	134

CAL YR 1997 TOTAL 142356 MEAN 390 MAX 2890 MIN 30 AC-FT 282400
WTR YR 1998 TOTAL 99846 MEAN 274 MAX 1170 MIN 126 AC-FT 198000

MAX DISCH 1294 CFS AT 1900 26-APR-1998 GH 4.23 FT. SHIFT 0.00 FT. MAX GH 4.23 FT. AT 1900 26-APR-1998

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.--Primary record is chart record. Record is complete and reliable except for the following periods: Nov. 12, 1997-Apr. 27, 1998 when station was closed for the winter; May 11-12, when the clock stopped; June 9, 16, 19, 20, 22-24; Aug. 5-17, 24, 27-31; Sep. 4-10 when pen was not inking. Complete record is reliable, except for the following period: Apr. 27-June 16, 1998 when record was compressed by the clock running slow. 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-1997 TO 30-SEP-1998

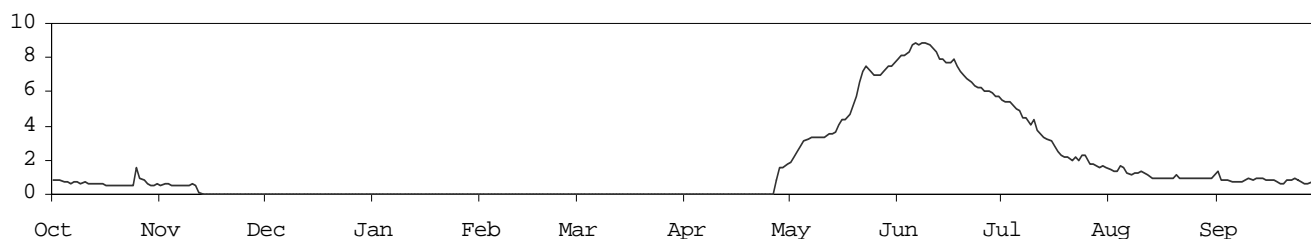
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.80	0.56	0.0	0.0	0.0	0.0	0.0	1.9	7.9	5.5	1.5	1.4
2	0.80	0.64	0.0	0.0	0.0	0.0	0.0	2.2	8.1	5.4	1.4	0.80
3	0.80	0.64	0.0	0.0	0.0	0.0	0.0	2.5	8.1	5.4	1.4	0.80
4	0.72	0.56	0.0	0.0	0.0	0.0	0.0	2.8	8.3	5.2	1.7	0.80
5	0.72	0.56	0.0	0.0	0.0	0.0	0.0	3.1	8.7	5.0	1.6	0.72
6	0.64	0.56	0.0	0.0	0.0	0.0	0.0	3.2	8.9	4.9	1.2	0.72
7	0.72	0.56	0.0	0.0	0.0	0.0	0.0	3.3	8.7	4.5	1.1	0.72
8	0.72	0.49	0.0	0.0	0.0	0.0	0.0	3.3	8.9	4.5	1.2	0.72
9	0.64	0.49	0.0	0.0	0.0	0.0	0.0	3.3	8.9	4.1	1.3	0.80
10	0.72	0.64	0.0	0.0	0.0	0.0	0.0	3.3	8.7	4.4	1.4	0.90
11	0.64	0.56	0.0	0.0	0.0	0.0	0.0	3.3	8.5	3.8	1.3	0.80
12	0.64	0.12	0.0	0.0	0.0	0.0	0.0	3.5	8.3	3.5	1.1	0.89
13	0.64	0.0	0.0	0.0	0.0	0.0	0.0	3.5	7.9	3.3	0.98	0.89
14	0.64	0.0	0.0	0.0	0.0	0.0	0.0	3.6	7.9	3.2	0.98	0.89
15	0.64	0.0	0.0	0.0	0.0	0.0	0.0	4.1	7.7	3.1	0.98	0.80
16	0.56	0.0	0.0	0.0	0.0	0.0	0.0	4.4	7.7	2.8	0.89	0.80
17	0.56	0.0	0.0	0.0	0.0	0.0	0.0	4.4	7.9	2.5	0.89	0.80
18	0.49	0.0	0.0	0.0	0.0	0.0	0.0	4.7	7.5	2.3	0.89	0.72
19	0.49	0.0	0.0	0.0	0.0	0.0	0.0	5.2	7.2	2.2	0.89	0.64
20	0.49	0.0	0.0	0.0	0.0	0.0	0.0	5.7	7.0	2.2	1.1	0.64
21	0.56	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.8	2.0	0.98	0.80
22	0.56	0.0	0.0	0.0	0.0	0.0	0.0	7.2	6.6	2.2	0.89	0.80
23	0.56	0.0	0.0	0.0	0.0	0.0	0.0	7.5	6.4	2.0	0.89	0.89
24	0.56	0.0	0.0	0.0	0.0	0.0	0.0	7.2	6.2	2.3	0.89	0.80
25	1.6	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.2	2.3	0.89	0.72
26	0.89	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.0	1.8	0.89	0.64
27	0.80	0.0	0.0	0.0	0.0	0.0	0.88	7.0	6.0	1.8	0.89	0.64
28	0.64	0.0	0.0	0.0	0.0	0.0	1.6	7.2	5.9	1.7	0.89	0.72
29	0.56	0.0	0.0	0.0	---	0.0	1.6	7.5	5.7	1.6	0.89	0.80
30	0.56	0.0	0.0	0.0	---	0.0	1.8	7.5	5.7	1.7	0.89	0.80
31	0.64	---	0.0	0.0	---	0.0	---	7.7	---	1.6	1.1	---
TOTAL	21.00	6.38	0.0	0.0	0.0	0.0	5.88	150.7	224.3	98.8	33.89	23.86
MEAN	0.68	0.21	0.0	0.0	0.0	0.0	0.20	4.86	7.48	3.19	1.09	0.80
AC-FT	42	13	0.0	0.0	0.0	0.0	12	299	445	196	67	47
MAX	1.6	0.64	0.0	0.0	0.0	0.0	1.8	7.7	8.9	5.5	1.7	1.4
MIN	0.49	0.0	0.0	0.0	0.0	0.0	0.0	1.9	5.7	1.6	0.89	0.64

CAL YR 1997 TOTAL 922.41 MEAN 2.53 MAX 19 MIN 0.00 AC-FT 1830
WTR YR 1998 TOTAL 564.81 MEAN 1.55 MAX 8.9 MIN 0.00 AC-FT 1120

MAX DISCH 9.1 CFS AT 1300 06-JUN-1998 GH 0.69 FT. SHIFT 0.01 FT. MAX GH 0.69 FT. AT 1300 06-JUN-1998

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.--Data collection platform was the primary record having the graphic chart as backup. Chart values were used Jun 15-16, 1998. Record is complete and reliable except for the following periods: Stage-discharge relationship was affected by ice on Oct. 14, 25-26; Nov. 2-6, 10-16, 1997; Mar. 30-31; Apr. 1-4, 7-8, 17, 1998. Station was closed for winter Nov. 17, 1997-Mar. 24, 1998. Record is good, except for periods of no gage-height and ice effect, which are poor. Station maintained and record developed by Merlin Friedrichsen.

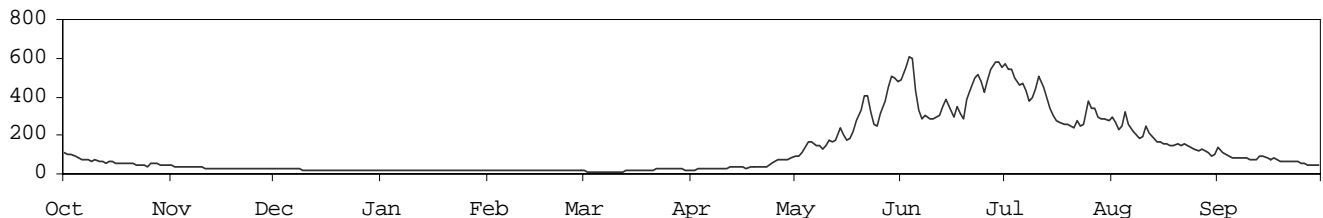
RATING TABLE.--BTABESCO09 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	45	26	14	19	14	20	96	491	566	291	141
2	100	41	26	14	19	13	21	95	551	543	263	113
3	99	38	25	14	19	13	23	113	609	544	228	100
4	89	38	25	14	19	13	27	138	596	499	248	92
5	81	38	24	14	19	12	31	166	431	462	318	87
6	77	38	24	14	18	12	30	167	331	465	257	83
7	76	38	23	14	18	11	26	150	289	435	221	80
8	74	38	23	14	18	11	27	143	300	381	199	79
9	68	38	22	14	18	10	30	132	281	397	188	79
10	70	33	21	14	18	11	28	148	284	443	193	78
11	66	31	21	14	17	12	30	178	291	506	246	75
12	66	29	20	15	17	13	35	161	299	450	209	76
13	57	28	20	15	17	14	35	175	351	396	183	89
14	60	28	19	15	17	15	36	243	388	342	170	92
15	63	28	19	15	17	16	35	202	333	304	166	84
16	59	28	18	15	16	17	34	171	295	274	158	77
17	57	28	18	15	16	18	30	187	347	267	156	83
18	55	28	17	16	16	19	35	219	309	260	151	73
19	51	28	17	16	16	20	35	273	285	254	151	66
20	53	29	16	16	16	21	35	335	389	244	155	63
21	54	29	15	16	15	22	33	409	435	240	151	64
22	50	29	15	16	15	23	34	409	493	276	155	61
23	46	29	14	16	15	24	41	319	516	251	143	61
24	49	29	14	16	15	25	58	262	475	259	135	63
25	34	29	14	16	15	26	68	251	427	373	130	55
26	51	29	14	17	14	27	75	315	491	340	122	51
27	58	28	14	17	14	29	70	374	538	336	125	49
28	53	28	14	17	14	27	70	450	576	292	116	46
29	49	27	14	18	---	25	73	504	578	288	106	45
30	47	27	14	18	---	19	85	496	552	289	96	45
31	48	---	14	18	---	20	---	476	---	277	104	---
TOTAL	1967	954	580	477	467	552	1210	7757	12531	11253	5534	2250
MEAN	63.5	31.8	18.7	15.4	16.7	17.8	40.3	250	418	363	179	75.0
AC-FT	3900	1890	1150	946	926	1090	2400	15390	24860	22320	10980	4460
MAX	107	45	26	18	19	29	85	504	609	566	318	141
MIN	34	27	14	14	14	10	20	95	281	240	96	45
CAL YR 1997 TOTAL		64260	MEAN	176	MAX	1180	MIN	13	AC-FT	127500		
WTR YR 1998 TOTAL		45532	MEAN	125	MAX	609	MIN	10	AC-FT	90310		

MAX DISCH 711 CFS AT 0200 04-JUN-1998 GH 4.78 FT. SHIFT 0.02 FT. MAX GH 4.78 FT. AT 0200 04-JUN-1998

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: Nov. 12, 1997-Mar. 24, 1998 when the station was closed for the winter. Record was affected by ice in the well or on the control Nov. 10-11, 1997. The record is good, except for periods of no gage-height record and ice effect, which are poor. Zero flow days in Nov. and Feb. are not representative of true flow values. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--FISHESCO06 USED FROM 01-OCT-1997 TO 30-SEP-1998

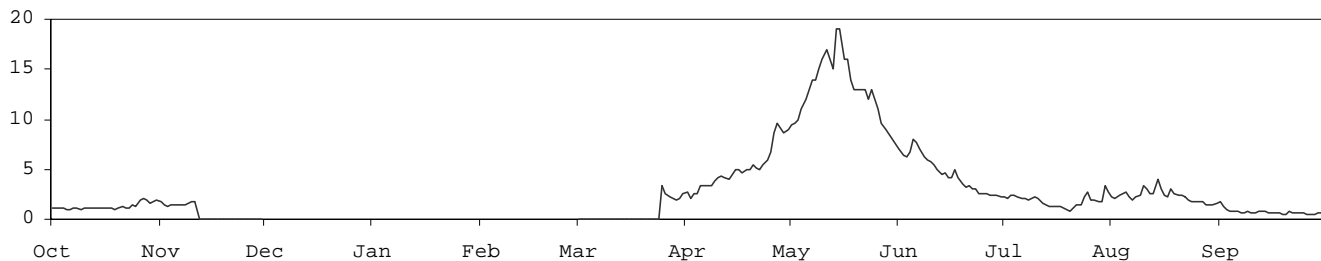
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.7	---	---	---	0.0	2.8	9.4	7.1	2.2	2.2	1.7
2	1.2	1.4	---	---	---	0.0	2.1	9.6	6.4	2.1	2.1	1.3
3	1.2	1.3	---	---	---	0.0	2.6	10	6.2	2.4	2.4	0.98
4	1.1	1.4	---	---	---	0.0	2.6	11	6.7	2.4	2.6	0.88
5	0.98	1.4	---	---	---	0.0	3.3	12	8.0	2.2	2.8	0.83
6	0.98	1.4	---	---	---	0.0	3.3	13	7.7	2.1	2.2	0.78
7	1.1	1.4	---	---	---	0.0	3.3	14	7.1	2.1	1.9	0.69
8	1.1	1.4	---	---	---	0.0	3.4	14	6.2	1.9	2.2	0.69
9	0.98	1.6	---	---	---	0.0	3.8	15	5.9	2.1	2.4	0.78
10	1.1	1.8	---	---	---	0.0	4.2	16	5.8	2.2	3.4	0.69
11	1.1	1.8	---	---	---	0.0	4.3	17	5.4	2.1	3.0	0.69
12	1.1	0.0	---	---	---	0.0	4.1	16	4.9	1.6	2.5	0.78
13	1.1	0.0	---	---	---	0.0	4.0	15	4.5	1.4	2.5	0.88
14	1.1	0.0	---	---	---	0.0	4.5	19	4.7	1.3	4.0	0.78
15	1.1	0.0	---	---	---	0.0	4.9	19	4.1	1.3	3.0	0.69
16	1.1	0.0	---	---	---	0.0	4.9	16	4.1	1.3	2.4	0.60
17	1.1	0.0	---	---	---	0.0	4.7	16	4.9	1.3	2.2	0.60
18	1.1	0.0	---	---	---	0.0	5.0	14	4.1	1.2	3.0	0.60
19	0.98	0.0	---	---	---	0.0	4.9	13	3.6	0.98	2.5	0.52
20	1.2	0.0	---	---	---	0.0	5.4	13	3.2	0.88	2.4	0.52
21	1.3	0.0	---	---	---	0.0	5.2	13	3.4	1.1	2.4	0.73
22	1.2	0.0	---	---	---	0.0	5.0	13	3.1	1.4	2.2	0.69
23	1.2	0.0	---	---	---	0.0	5.4	12	3.0	1.5	1.9	0.69
24	1.4	0.0	---	---	---	0.0	6.0	13	2.6	2.2	1.8	0.69
25	1.3	0.0	---	---	---	3.3	6.7	12	2.6	2.8	1.8	0.60
26	1.9	0.0	---	---	---	2.5	8.7	11	2.5	1.9	1.7	0.52
27	2.1	0.0	---	---	---	2.2	9.6	9.6	2.4	1.9	1.7	0.52
28	1.9	0.0	---	---	---	2.1	9.1	8.9	2.4	1.7	1.4	0.52
29	1.6	0.0	---	---	---	1.9	8.7	8.5	2.4	1.7	1.4	0.60
30	1.7	0.0	---	---	---	2.1	8.9	8.0	2.2	3.4	1.4	0.60
31	1.9	---	---	---	---	2.5	---	7.5	---	2.8	1.6	---
TOTAL	39.42	16.6				16.6	151.4	398.5	137.2	57.46	71.0	22.14
MEAN	1.27	0.55				0.54	5.05	12.9	4.57	1.85	2.29	0.74
AC-FT	78	33				33	300	790	272	114	141	44
MAX	2.1	1.8				3.3	9.6	19	8.0	3.4	4.0	1.7
MIN	0.98	0.0				0.0	2.1	7.5	2.2	0.88	1.4	0.52

CAL YR 1997 TOTAL		MEAN		MAX		MIN		AC-FT	244400
WTR YR 1998 TOTAL	910.32	MEAN	2.49	MAX	19	MIN	0.00	AC-FT	1810

MAX DISCH 30 CFS AT 1930 13-MAY-1998 GH 1.33 FT. SHIFT -0.05 FT. MAX GH 1.33 FT. AT 1930 13-MAY-1998

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 and reliable. The record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--BTBLES010 USED FROM 01-OCT-1997 TO 30-SEP-1998

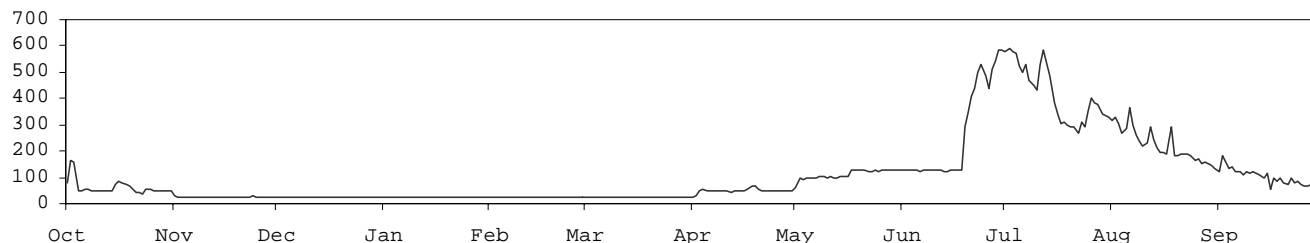
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	28	25	24	24	23	24	62	126	578	317	119
2	162	26	25	24	25	25	33	96	128	592	327	183
3	161	26	26	24	25	24	49	94	130	577	306	160
4	51	25	25	24	25	24	52	96	126	572	266	132
5	51	26	26	24	24	24	51	98	127	524	285	140
6	52	25	26	24	25	24	50	98	124	502	363	124
7	52	26	26	24	25	25	48	100	126	530	300	124
8	50	25	26	24	25	23	48	102	125	469	262	108
9	48	25	26	25	24	26	48	102	125	448	237	122
10	49	25	25	24	24	25	47	100	126	434	222	114
11	51	24	25	25	24	23	46	101	126	531	230	119
12	48	25	25	24	24	24	45	99	126	584	290	114
13	50	24	25	24	24	24	48	100	124	538	242	109
14	51	24	25	24	24	24	49	103	124	490	214	98
15	75	23	25	25	24	24	49	103	126	383	197	114
16	84	26	25	24	24	24	48	101	126	342	197	52
17	80	25	25	24	25	24	57	129	126	306	189	100
18	76	26	25	24	24	24	64	127	125	310	291	83
19	67	26	25	25	25	25	64	125	295	299	181	95
20	56	24	25	26	24	25	55	125	350	290	182	80
21	43	24	25	26	24	25	46	126	405	292	189	75
22	40	25	25	25	25	25	46	124	439	270	190	95
23	38	27	25	25	25	25	46	124	502	309	191	79
24	52	28	25	25	25	24	47	125	527	290	180	84
25	53	26	23	25	25	24	47	124	489	352	167	74
26	51	25	25	24	25	26	47	127	437	400	170	70
27	50	25	25	25	25	26	47	127	510	385	154	65
28	51	25	26	24	25	26	48	129	541	380	160	75
29	51	25	25	25	---	26	47	126	586	338	152	65
30	51	25	24	26	---	25	47	126	584	332	144	71
31	50	---	24	25	---	24	---	126	---	330	135	---
TOTAL	1921	759	778	761	687	760	1443	3445	7931	12977	6930	3043
MEAN	62.0	25.3	25.1	24.5	24.5	24.5	48.1	111	264	419	224	101
AC-FT	3810	1510	1540	1510	1360	1510	2860	6830	15730	25740	13750	6040
MAX	162	28	26	26	25	26	64	129	586	592	363	183
MIN	38	23	23	24	24	23	24	62	124	270	135	52

CAL YR 1997 TOTAL 62879 MEAN 172 MAX 1070 MIN 17 AC-FT 124700
WTR YR 1998 TOTAL 41435 MEAN 114 MAX 592 MIN 23 AC-FT 82190

MAX DISCH 628 CFS AT 0115 02-JUL-1998 GH 4.44 FT. SHIFT 0.00 FT. MAX GH 4.44 FT. AT 0115 02-JUL-1998

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. The data collection platform is the primary record having the chart as backup. Record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--OLYTUNCO05 USED FROM 01-OCT-1997 TO 30-SEP-1998

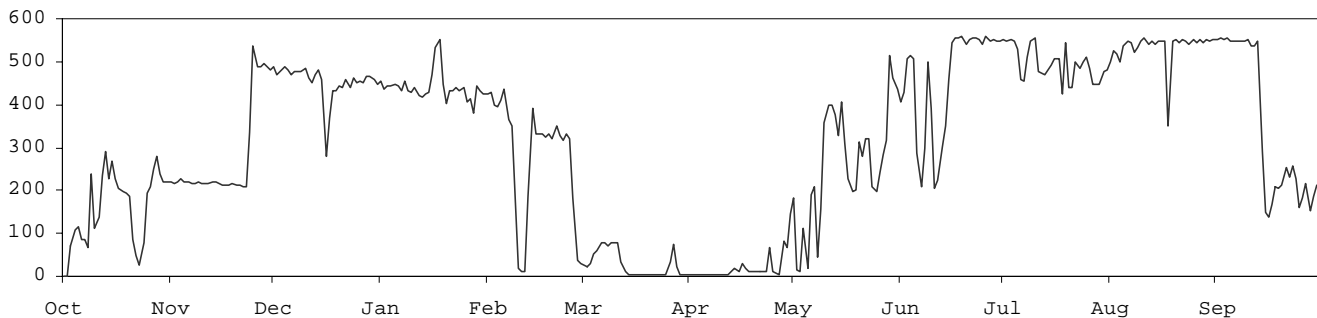
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	219	487	454	424	26	2.8	182	408	552	499	551
2	1.1	216	470	437	427	23	2.9	14	430	549	527	554
3	72	221	481	444	399	28	2.8	12	507	550	517	553
4	109	226	489	445	395	53	2.8	112	514	549	500	555
5	116	221	481	448	410	58	2.6	18	505	530	537	548
6	84	219	469	444	437	80	2.6	189	286	460	548	548
7	86	218	477	434	364	80	2.6	210	210	453	544	547
8	68	215	478	455	351	71	2.6	44	297	511	522	546
9	237	220	477	434	181	79	2.6	158	499	547	533	546
10	111	218	483	428	18	79	2.7	356	390	556	546	550
11	139	217	462	439	13	79	2.8	397	206	478	554	537
12	236	218	451	422	13	35	2.6	398	223	472	541	535
13	291	220	469	416	187	10	13	375	301	470	549	548
14	227	219	481	424	393	3.6	20	328	350	480	540	292
15	268	217	457	429	333	3.6	12	406	460	493	548	150
16	229	214	281	471	330	3.6	29	311	543	506	547	138
17	205	213	368	533	331	3.6	18	228	555	506	548	167
18	197	214	431	551	326	3.6	12	197	555	425	350	209
19	194	216	433	449	332	3.6	12	203	558	543	548	206
20	186	211	442	403	320	3.6	11	312	542	440	550	214
21	85	213	440	434	349	3.6	11	278	551	441	545	252
22	50	209	458	434	329	3.5	11	320	556	500	552	230
23	26	208	441	440	318	4.2	11	321	556	486	548	259
24	80	337	463	433	332	4.0	66	209	551	498	542	228
25	195	535	452	441	320	4.1	10	198	541	509	552	161
26	209	490	454	406	184	34	8.2	242	560	483	544	184
27	248	489	450	412	36	76	3.9	282	548	446	550	215
28	279	497	466	380	30	23	82	318	552	446	544	154
29	239	490	466	445	---	3.1	66	515	549	449	550	186
30	220	481	460	433	---	3.0	146	461	546	478	548	212
31	220	---	446	423	---	3.0	---	435	---	480	550	---
TOTAL	4908.2	8301	14063	13641	7882	887.7	574.5	8029	13849	15286	16573	10575
MEAN	158	277	454	440	282	28.6	19.2	259	462	493	535	353
AC-FT	9740	16470	27890	27060	15630	1760	1140	15930	27470	30320	32870	20980
MAX	291	535	489	551	437	80	146	515	560	556	554	555
MIN	1.1	208	281	380	13	3.0	2.6	12	206	425	350	138

CAL YR 1997 TOTAL 123219.7 MEAN 338 MAX 560 MIN 1.1 AC-FT 244400
WTR YR 1998 TOTAL 114569.4 MEAN 314 MAX 560 MIN 1.1 AC-FT 227200

MAX DISCH 597 CFS AT 1530 24-NOV-1997 GH 8.27 FT. SHIFT 0.00 FT. MAX GH 8.27 FT. AT 1530 24-NOV-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. 15, 1997-Mar. 26, 1998 when the station was closed; record was affected by ice in the well and on the control Oct. 26-27, Nov. 12-13, 1997. The record is good, except for the winter record, Oct. 26-27, Nov. 15, 1997-Mar. 26, 1998, which are poor. Station maintained and record developed by Merlin Friedrichsen.

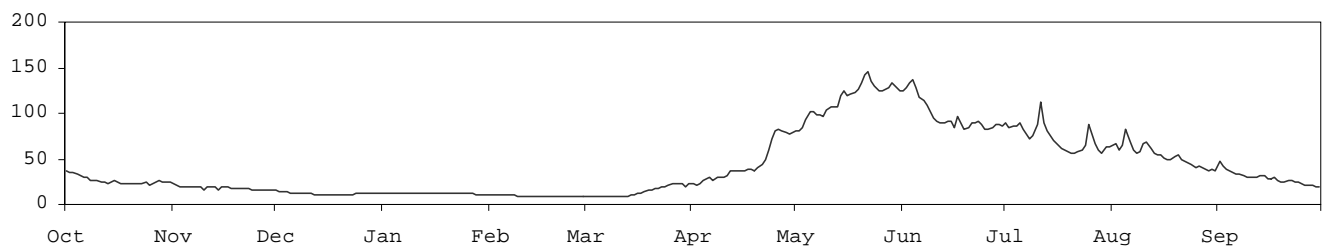
RATING TABLE.--BTNFDRCO10 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	22	15	13	11	8.0	22	80	124	89	65	48
2	35	21	14	13	11	8.0	21	81	128	85	67	42
3	35	20	14	13	10	8.0	22	84	133	86	60	39
4	33	20	14	13	10	8.0	26	93	136	86	65	37
5	31	20	13	13	10	8.0	28	102	128	90	82	35
6	30	19	13	13	10	8.0	29	102	117	82	69	34
7	29	19	13	13	10	8.0	27	98	114	77	60	33
8	27	19	12	13	10	8.0	29	98	109	72	57	31
9	26	19	12	13	9.0	8.0	30	96	101	75	58	30
10	26	16	12	13	9.0	8.0	30	103	95	88	66	29
11	25	20	12	13	9.0	8.0	32	107	92	113	68	30
12	24	20	11	13	9.0	8.0	36	107	89	89	61	30
13	22	20	11	13	9.0	9.0	36	107	90	81	57	32
14	25	15	11	13	9.0	10	37	120	92	76	55	31
15	26	19	11	13	9.0	11	37	124	91	70	54	28
16	24	19	11	13	9.0	12	36	119	85	66	51	28
17	23	19	11	13	8.0	13	38	121	97	62	50	29
18	23	18	11	13	8.0	14	38	122	89	59	49	27
19	23	18	11	13	8.0	15	37	126	83	58	53	25
20	23	18	11	13	8.0	16	40	133	85	56	54	25
21	23	17	11	13	8.0	17	43	142	89	56	50	27
22	22	17	11	13	8.0	18	49	145	90	58	48	26
23	22	17	11	12	8.0	19	59	135	92	60	45	25
24	25	16	12	12	8.0	20	72	130	88	65	43	24
25	21	16	12	12	8.0	21	80	125	82	88	41	23
26	22	16	12	12	8.0	22	83	125	82	77	42	21
27	24	16	12	12	8.0	22	81	127	84	66	41	21
28	26	15	12	11	8.0	22	79	128	87	59	39	21
29	24	15	12	11	---	22	78	133	87	56	37	20
30	24	15	12	11	---	19	79	129	86	63	38	20
31	24	---	13	11	---	23	---	124	---	64	36	---
TOTAL	803	541	373	390	250.0	421.0	1334	3566	2945	2272	1661	871
MEAN	25.9	18.0	12.0	12.6	8.93	13.6	44.5	115	98.2	73.3	53.6	29.0
AC-FT	1590	1070	740	774	496	835	2650	7070	5840	4510	3290	1730
MAX	36	22	15	13	11	23	83	145	136	113	82	48
MIN	21	15	11	11	8.0	8.0	21	80	82	56	36	20
CAL YR 1997 TOTAL	17119.7		MEAN	46.9	MAX	387	MIN	6.0	AC-FT	33960		
WTR YR 1998 TOTAL	15427.0		MEAN	42.3	MAX	145	MIN	8.0	AC-FT	30600		

MAX DISCH 155 CFS AT 2230 21-MAY-1998 GH 4.57 FT. SHIFT -0.02 FT. MAX GH 4.57 FT. AT 2230 21-MAY-1998

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 except for June 10-11, 1998 when the DCP was off and the clock was not working. Flow at station is intermittent dependent on river flows and water orders, and other regulations. Chart record was used Oct. 1-4, 1997; July 8-14; Sep. 22-27, 29-30, 1998. Record is good, except for June 10-11, 1998, which are poor. 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-1997 TO 30-SEP-1998

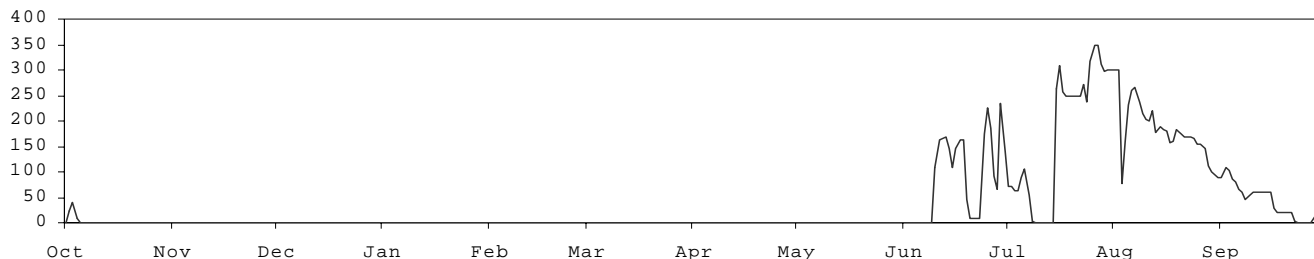
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	71	299	90
2	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71	300	108
3	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64	78	104
4	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	160	85
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89	232	80
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	261	65
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53	267	59
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	238	45
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	213	55
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110	0.0	203	60
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	162	0.0	200	60
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	167	0.0	220	61
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	169	0.0	176	61
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	0.0	190	60
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110	264	183	61
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	310	179	30
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	162	258	158	20
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	162	249	161	20
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	249	182	20
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	249	174	19
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	249	169	19
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	249	168	2.4
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	272	168	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	174	237	167	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	227	318	154	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	187	350	153	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91	350	147	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66	312	111	14
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	233	298	100	2.8
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	141	299	93	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	299	90	---
TOTAL	73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2536.4	5330.7	5594	1201.2
MEAN	2.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.5	172	180	40.0
AC-FT	145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5030	10570	11100	2380
MAX	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	233	350	300	108
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78	0.0

CAL YR 1997 TOTAL 30603.2 MEAN 83.8 MAX 407 MIN 0.00 AC-FT 60700
WTR YR 1998 TOTAL 14735.3 MEAN 40.4 MAX 350 MIN 0.00 AC-FT 29230

MAX DISCH 378 CFS AT 1115 29-JUN-1998 GH 4.65 FT. SHIFT 0.00 FT. MAX GH 4.65 FT. AT 1115 29-JUN-1998

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 cableway was added in 1997 for intermediate flow measurements.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 17, 1997-Mar. 26, 1998 when the station was closed for the winter. Record is reliable except for Nov. 11-17, 1997 when ice affected the record. The record is good, except for the winter period, which is poor. Station maintained and record developed by Merlin Friedrichsen.

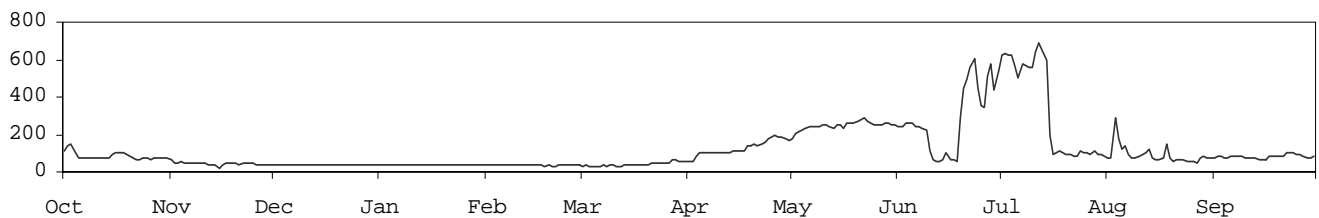
RATING TABLE.--BTCANYCO15 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	64	40	37	35	31	53	177	245	625	72	73
2	144	51	39	37	36	33	58	205	246	635	79	87
3	145	47	40	37	35	32	80	212	260	627	290	84
4	102	53	39	37	35	32	99	221	261	627	177	75
5	78	46	39	37	34	32	105	235	257	564	124	79
6	79	48	39	37	35	32	104	240	240	506	143	82
7	78	48	39	37	35	33	100	240	239	581	93	81
8	79	47	38	37	35	31	103	240	232	572	77	88
9	76	49	38	38	33	34	105	245	227	560	76	82
10	76	45	37	37	33	33	103	251	110	558	81	75
11	77	44	37	38	33	31	102	248	65	646	90	75
12	76	40	36	37	33	32	104	241	59	687	106	74
13	71	39	36	37	33	33	105	233	55	647	117	71
14	78	34	36	37	33	34	108	247	67	592	78	64
15	93	21	36	38	33	35	113	255	98	199	66	65
16	104	36	36	37	33	36	113	237	68	90	64	65
17	106	44	36	37	33	37	115	257	63	101	75	82
18	100	44	36	37	32	38	139	259	55	109	148	86
19	92	44	36	38	33	40	138	263	293	99	79	87
20	85	42	36	39	32	41	145	266	443	89	60	84
21	72	41	36	39	32	42	141	278	497	90	66	82
22	62	42	36	38	33	43	149	287	554	80	65	100
23	63	44	36	37	33	44	162	270	607	82	63	103
24	71	44	37	37	33	44	175	261	446	116	55	98
25	74	42	35	37	33	45	184	254	349	104	54	95
26	69	41	37	36	33	48	198	254	342	104	52	90
27	77	41	37	37	33	63	190	253	514	89	46	87
28	76	40	38	35	33	61	183	256	581	113	76	72
29	75	40	37	36	---	58	174	257	434	94	80	78
30	73	40	36	37	---	57	171	253	540	90	78	83
31	75	---	37	36	---	54	---	247	---	84	73	---
TOTAL	2636	1301	1151	1151	937	1239	3819	7642	8447	10160	2803	2447
MEAN	85.0	43.4	37.1	37.1	33.5	40.0	127	247	282	328	90.4	81.6
AC-FT	5230	2580	2280	2280	1860	2460	7570	15160	16750	20150	5560	4850
MAX	145	64	40	39	36	63	198	287	607	687	290	103
MIN	62	21	35	35	32	31	53	177	55	80	46	64
CAL YR 1997 TOTAL		51305	MEAN	141	MAX	1100	MIN	21	AC-FT	101800		
WTR YR 1998 TOTAL		43733	MEAN	120	MAX	687	MIN	21	AC-FT	86740		

MAX DISCH 701 CFS AT 1500 12-JUL-1998 GH 3.88 FT. SHIFT -0.01 FT. MAX GH 3.88 FT. AT 1500 12-JUL-1998

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 and reliable. The DCP is the primary source of record with the chart as back up. The record is good. Larger than normal shift changes are due to water going around the station at higher flows and not raising the gage-height at the station an equivalent amount. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--BUCRMVCO06 USED FROM 01-OCT-1997 TO 30-SEP-1998

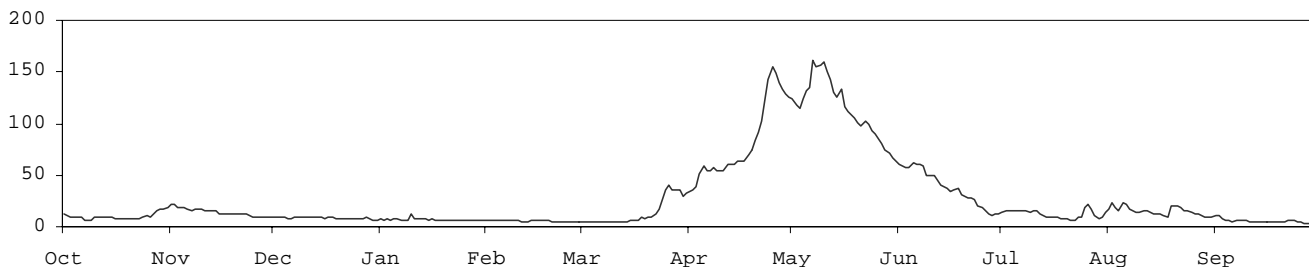
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	21	9.7	7.1	6.1	4.8	34	124	61	14	17	11
2	11	21	9.8	6.9	6.0	4.3	35	118	59	16	23	11
3	10	18	9.4	7.2	6.1	4.5	38	114	57	15	18	8.4
4	9.8	18	8.9	6.9	6.3	4.7	51	124	58	16	16	6.6
5	10	18	8.2	7.1	6.1	4.8	59	132	62	16	23	5.8
6	8.7	17	8.5	7.9	6.1	4.9	55	135	61	15	21	5.4
7	6.8	16	9.8	6.3	6.2	5.3	55	162	60	15	17	5.5
8	6.5	17	9.4	6.8	6.0	5.0	57	155	59	15	15	5.7
9	6.7	17	9.6	6.6	6.2	4.8	55	157	50	14	14	5.7
10	9.3	17	9.8	12	5.7	4.7	54	159	50	15	14	5.6
11	9.3	16	8.6	7.3	5.1	5.0	54	151	50	15	15	5.1
12	8.9	16	8.9	7.8	5.1	5.0	61	143	45	13	15	4.9
13	8.8	16	8.8	7.2	5.2	5.2	61	131	40	11	14	5.0
14	8.9	15	9.2	7.0	5.7	5.3	61	126	38	10	12	5.1
15	8.7	12	8.9	6.8	5.5	5.7	64	134	37	10	12	5.1
16	8.5	12	8.3	7.0	6.0	6.2	64	117	34	9.8	12	5.1
17	8.1	13	8.9	6.8	5.7	6.5	64	112	35	8.6	11	5.1
18	7.7	13	8.6	6.7	5.8	9.2	69	108	37	7.6	10	4.9
19	7.7	13	8.5	6.5	5.5	7.7	74	106	31	7.3	20	4.4
20	7.7	13	8.1	6.3	5.2	8.6	84	101	29	7.1	20	4.2
21	7.7	13	7.6	5.9	5.2	10	92	98	28	6.2	20	4.7
22	7.7	13	8.1	6.7	5.3	13	103	103	28	6.6	18	6.1
23	8.2	12	7.8	6.5	5.3	17	123	100	26	9.4	16	6.5
24	9.3	11	7.6	6.5	5.1	26	143	93	20	9.7	15	6.3
25	11	10	7.9	6.3	5.0	35	155	90	18	18	14	5.4
26	9.8	9.8	7.1	6.1	4.7	40	149	85	15	21	13	4.6
27	12	9.8	7.2	6.4	4.1	36	140	81	12	17	12	3.8
28	15	9.8	9.6	6.5	4.4	35	134	74	11	11	11	3.5
29	17	9.8	7.3	6.2	---	35	128	71	12	8.0	10	3.4
30	17	9.6	6.8	6.1	---	29	126	67	12	9.8	9.2	3.2
31	18	---	6.8	6.1	---	32	---	64	---	14	8.9	---
TOTAL	307.8	426.8	263.7	213.5	154.7	420.2	2442	3535	1135	381.1	466.1	167.1
MEAN	9.93	14.2	8.51	6.89	5.53	13.6	81.4	114	37.8	12.3	15.0	5.57
AC-FT	611	847	523	423	307	833	4840	7010	2250	756	925	331
MAX	18	21	9.8	12	6.3	40	155	162	62	21	23	11
MIN	6.5	9.6	6.8	5.9	4.1	4.3	34	64	11	6.2	8.9	3.2

CAL YR 1997 TOTAL 6591.0 MEAN 18.1 MAX 203 MIN 0.00 AC-FT 13070
WTR YR 1998 TOTAL 9913.0 MEAN 27.2 MAX 162 MIN 3.2 AC-FT 19660

MAX DISCH 180 CFS AT 0145 07-MAY-1998 GH 6.32 FT. SHIFT 0.17 FT. MAX GH 6.32 FT. AT 0145 07-MAY-1998

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 except for the following period: Apr. 22-30, 1998 when the shaft encoder was off and the pen was set wrong. The record from the USBR was used to estimate these days. Chart gage-heights were used for the following periods: Oct. 1-7, 16, 1997; Apr. 2, 8-21, 1998. Record is good. Station maintained and record developed by Merlin Friedrichsen.

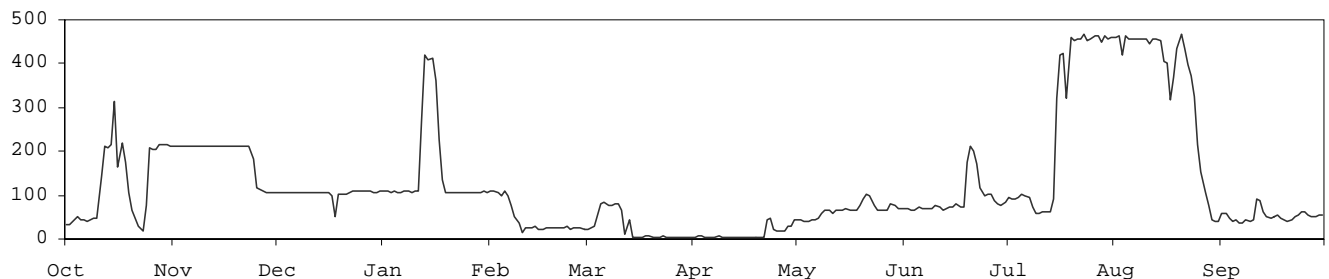
RATING TABLE.--HFCBBSCO13 USED FROM 01-OCT-1997 TO 12-MAR-1998
 HFCBBSCO15 USED FROM 13-MAR-1998 TO 30-SEP-1998
 DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	211	107	108	108	22	4.1	42	69	94	461	59
2	33	211	107	108	108	24	5.7	42	69	91	462	58
3	40	211	107	107	106	29	6.4	41	65	93	418	49
4	52	211	107	108	99	55	5.0	41	64	95	462	40
5	44	211	107	107	108	81	4.5	42	73	101	458	44
6	44	211	107	107	98	85	4.3	45	70	97	455	37
7	40	212	107	108	75	78	4.7	47	68	95	458	38
8	44	211	107	108	52	76	5.8	59	71	72	458	43
9	48	210	107	107	36	79	4.5	66	69	59	456	40
10	46	210	106	108	16	80	4.5	65	77	57	455	42
11	144	211	106	108	25	65	4.1	58	72	62	446	91
12	213	210	107	271	25	10	4.1	65	67	63	455	88
13	207	210	107	420	26	44	4.5	66	71	61	455	63
14	216	210	107	407	28	4.6	4.7	65	74	92	454	52
15	315	210	107	414	23	4.4	5.2	69	72	320	404	46
16	163	210	106	362	22	4.3	5.2	67	81	418	403	52
17	218	210	97	225	25	4.3	5.4	67	72	424	318	53
18	177	210	50	136	25	8.7	5.4	66	73	321	370	49
19	106	211	104	106	26	7.1	5.4	78	177	461	434	42
20	66	211	104	105	27	4.8	5.4	93	213	453	467	41
21	48	211	104	106	27	4.6	5.2	104	200	456	435	43
22	28	210	105	106	26	4.7	44	99	171	458	398	52
23	17	210	109	106	28	5.5	48	76	117	467	373	54
24	76	183	111	106	23	4.3	22	65	100	451	325	61
25	209	117	111	106	24	4.3	20	64	101	455	214	63
26	205	113	110	106	25	4.3	20	64	102	463	153	54
27	206	111	109	106	24	4.3	20	64	87	462	107	51
28	217	107	108	107	23	4.3	28	81	81	449	75	50
29	215	107	107	107	---	4.3	29	75	77	462	43	55
30	214	107	107	108	---	4.3	42	68	85	458	40	56
31	212	---	108	107	---	4.2	---	69	---	460	39	---
TOTAL	3896	5688	3253	4801	1258	815.3	377.1	2013	2788	8570	10951	1566
MEAN	126	190	105	155	44.9	26.3	12.6	64.9	92.9	276	353	52.2
AC-FT	7730	11280	6450	9520	2500	1620	748	3990	5530	17000	21720	3110
MAX	315	212	111	420	108	85	48	104	213	467	467	91
MIN	17	107	50	105	16	4.2	4.1	41	64	57	39	37

CAL YR 1997 TOTAL 59542 MEAN 163 MAX 518 MIN 0.00 AC-FT 118100
 WTR YR 1998 TOTAL 45976.4 MEAN 126 MAX 467 MIN 4.1 AC-FT 91190

MAX DISCH 491 CFS AT 0945 15-OCT-1997 GH 7.83 FT. SHIFT 0.00 FT. MAX GH 7.83 FT. AT 0945 15-OCT-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 except for Oct. 16-19, 22-31; Nov. 1-4, 1997; May 25-27; June 19-20, 25, 29-30; July 3-7, 15-20; Aug. 27-28; Sep. 23-24, 27, 30, 1998 when the values were edited to zero flow when the level in the well will not go to zero. The flow at the station is intermittent depending on the operation of the power plant and the flow north. The wasteway serves as both a safety valve and a delivery system returning water back to the River. Record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--HFCWASCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

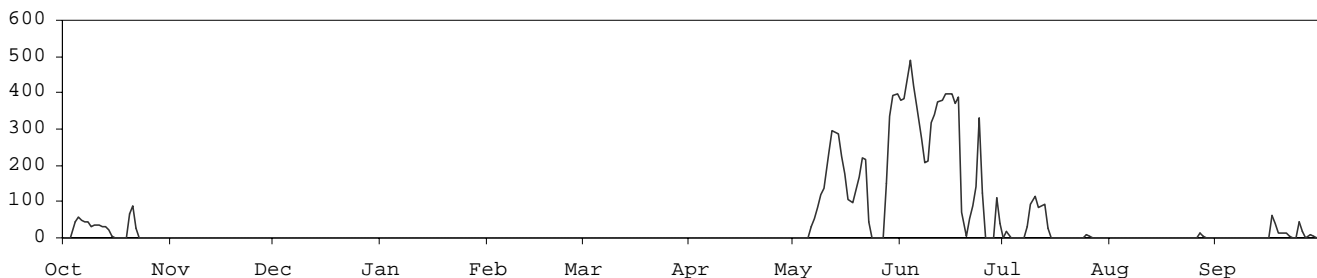
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	379	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	385	18	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	436	0.0	0.0	0.0
4	44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	489	0.0	0.0	0.0
5	59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	420	0.0	0.0	0.0
6	48	0.0	0.0	0.0	0.0	0.0	0.0	29	361	0.0	0.0	0.0
7	43	0.0	0.0	0.0	0.0	0.0	0.0	52	274	0.0	0.0	0.0
8	42	0.0	0.0	0.0	0.0	0.0	0.0	82	209	30	0.0	0.0
9	29	0.0	0.0	0.0	0.0	0.0	0.0	119	212	94	0.0	0.0
10	34	0.0	0.0	0.0	0.0	0.0	0.0	136	318	116	0.0	0.0
11	35	0.0	0.0	0.0	0.0	0.0	0.0	235	341	84	0.0	0.0
12	30	0.0	0.0	0.0	0.0	0.0	0.0	294	373	88	0.0	0.0
13	33	0.0	0.0	0.0	0.0	0.0	0.0	289	379	92	0.0	0.0
14	24	0.0	0.0	0.0	0.0	0.0	0.0	288	396	27	0.0	0.0
15	6.1	0.0	0.0	0.0	0.0	0.0	0.0	224	399	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175	397	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108	369	0.0	0.0	61
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99	388	0.0	0.0	41
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	134	69	0.0	0.0	15
20	66	0.0	0.0	0.0	0.0	0.0	0.0	167	4.4	0.0	0.0	15
21	90	0.0	0.0	0.0	0.0	0.0	0.0	222	53	0.0	0.0	15
22	26	0.0	0.0	0.0	0.0	0.0	0.0	215	89	0.0	0.0	4.5
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	143	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	333	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	124	7.3	0.0	45
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	17
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	152	0.0	0.0	5.7	8.7
29	0.0	0.0	0.0	0.0	0.0	---	0.0	334	111	0.0	0.0	3.6
30	0.0	0.0	0.0	0.0	0.0	---	0.0	392	40	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	396	---	0.0	0.0	---
TOTAL	609.1	0.0	0.0	0.0	0.0	0.0	0.0	4186.0	7491.4	558.8	19.7	225.8
MEAN	19.6	0.0	0.0	0.0	0.0	0.0	0.0	135	250	18.0	0.64	7.53
AC-FT	1210	0.0	0.0	0.0	0.0	0.0	0.0	8300	14860	1110	39	448
MAX	90	0.0	0.0	0.0	0.0	0.0	0.0	396	489	116	14	61
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 1997 TOTAL 2478.5 MEAN 6.79 MAX 216 MIN 0.00 AC-FT 4920
WTR YR 1998 TOTAL 13090.8 MEAN 35.9 MAX 489 MIN 0.00 AC-FT 25970

MAX DISCH 503 CFS AT 0830 04-JUN-1998 GH 3.69 FT. SHIFT 0.00 FT. MAX GH 3.69 FT. AT 0830 04-JUN-1998

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 reading directly in discharge.

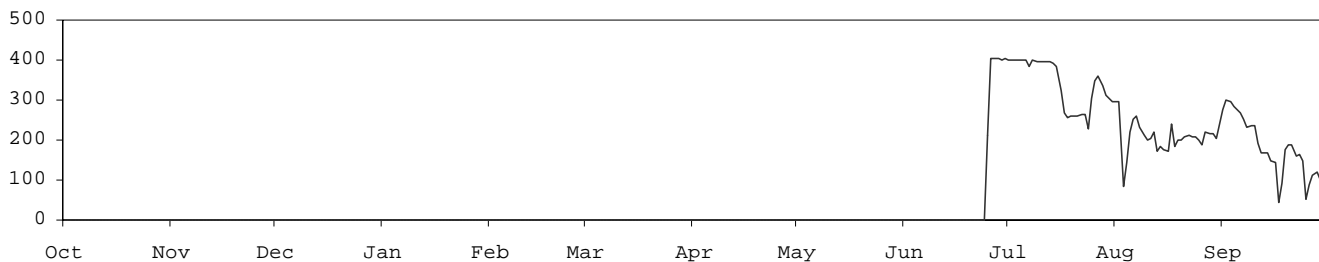
REMARKS.--Record is complete and reliable. Flow at station is intermittent dependent on river flows, water orders, and other regulations. The chart recorder was broken between June 25-Aug. 28, 1998. Record is good. Chart record is checked daily when tunnel is in operation. Record developed by Merlin Friedrichsen.

RATING TABLE.--BTPPMCCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
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	402	295	275
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	401	297	299
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	85	295
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	401	143	285
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	222	278
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	253	267
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	384	260	254
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	401	232	233
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	398	213	235
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	398	200	235
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	398	205	192
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	398	221	170
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	398	173	169
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	393	185	170
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	384	178	149
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	325	174	143
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	268	241	44
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	257	183	94
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	259	202	177
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	262	200	187
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	262	209	188
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	263	212	159
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	263	208	166
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	229	208	148
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	213	305	201	51
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	403	348	189	87
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	403	362	222	114
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	404	337	217	119
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	401	312	218	102
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	403	306	206	110
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	298	240	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2227	10612	6492	5395
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74.2	342	209	180
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4420	21050	12880	10700
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	404	402	297	299
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	229	85	44
CAL YR 1997 TOTAL		48070	MEAN	132	MAX	405	MIN	0.00	AC-FT	95350		
WTR YR 1998 TOTAL		24726	MEAN	67.7	MAX	404	MIN	0.00	AC-FT	49040		

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. The Conservancy District installed an 8004 DCP and shaft encoder on June 24, 1998. Station maintained by NCWCD personnel.

REMARKS.--Record is complete and reliable. Water was run Oct. 3-31, 1997; Mar. 31-Sep. 30, 1998. Chart gage-height was primary record for the following periods: Oct. 3-31, 1997; Mar. 31-June 24; June 29-30, 1998. DCP record was used for the following periods: June 25-28; July 1-Sep. 30, 1998. Record is good. Record developed by Fred Renner.

RATING TABLE.--BCSCBCCO2 USED FROM 01-OCT-1997 TO 30-SEP-1998

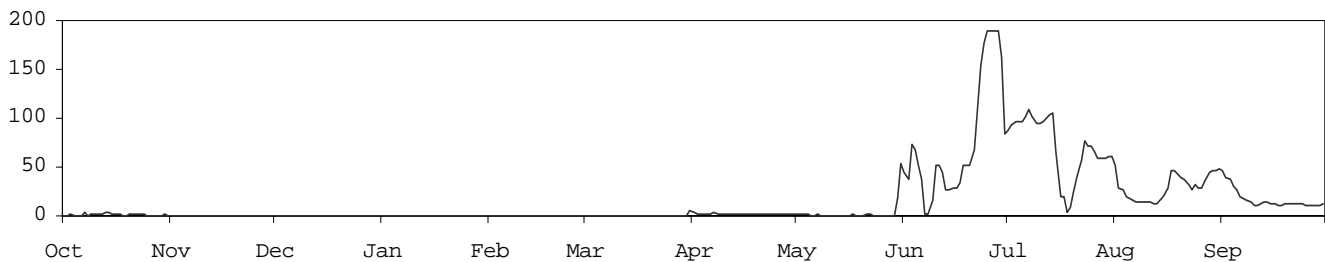
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	3.8	1.9	44	87	51	46
2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.1	38	93	28	40
3	0.96	0.0	0.0	0.0	0.0	0.0	1.2	2.1	73	96	26	37
4	0.44	0.0	0.0	0.0	0.0	0.0	1.2	1.2	67	96	20	31
5	0.44	0.0	0.0	0.0	0.0	0.0	0.99	0.23	51	96	17	27
6	0.71	0.0	0.0	0.0	0.0	0.0	1.7	0.56	38	101	16	19
7	3.1	0.0	0.0	0.0	0.0	0.0	3.0	1.5	1.2	109	15	18
8	0.69	0.0	0.0	0.0	0.0	0.0	2.5	0.69	0.99	102	14	16
9	1.2	0.0	0.0	0.0	0.0	0.0	2.1	0.84	16	95	14	15
10	1.9	0.0	0.0	0.0	0.0	0.0	1.9	0.44	51	95	15	11
11	1.7	0.0	0.0	0.0	0.0	0.0	1.7	0.44	51	97	14	11
12	2.3	0.0	0.0	0.0	0.0	0.0	1.7	0.44	45	100	12	12
13	2.8	0.0	0.0	0.0	0.0	0.0	1.9	0.33	27	104	12	15
14	2.8	0.0	0.0	0.0	0.0	0.0	1.9	0.33	27	105	16	14
15	2.3	0.0	0.0	0.0	0.0	0.0	1.9	0.56	28	64	20	12
16	1.5	0.0	0.0	0.0	0.0	0.0	1.7	0.84	28	20	29	12
17	0.99	0.0	0.0	0.0	0.0	0.0	1.7	0.99	34	19	47	11
18	0.56	0.0	0.0	0.0	0.0	0.0	1.9	0.69	51	3.7	47	11
19	0.69	0.0	0.0	0.0	0.0	0.0	1.7	0.69	51	9.1	42	12
20	0.99	0.0	0.0	0.0	0.0	0.0	2.3	0.69	51	25	39	13
21	1.2	0.0	0.0	0.0	0.0	0.0	2.3	0.99	68	40	37	13
22	1.3	0.0	0.0	0.0	0.0	0.0	2.3	1.2	111	57	32	12
23	1.2	0.0	0.0	0.0	0.0	0.0	2.1	0.84	154	76	26	12
24	1.2	0.0	0.0	0.0	0.0	0.0	2.1	0.69	176	71	32	12
25	0.56	0.0	0.0	0.0	0.0	0.0	1.9	0.56	190	71	28	11
26	0.44	0.0	0.0	0.0	0.0	0.0	2.1	0.56	190	66	28	11
27	0.33	0.0	0.0	0.0	0.0	0.0	1.9	0.44	189	59	36	11
28	0.23	0.0	0.0	0.0	0.0	0.0	1.9	0.33	190	59	45	11
29	0.87	0.0	0.0	0.0	---	0.0	1.9	0.33	162	59	47	11
30	1.5	0.0	0.0	0.0	---	0.0	1.9	18	84	61	47	12
31	0.40	---	0.0	0.0	---	4.6	---	54	---	61	48	---
TOTAL	35.31	0.0	0.0	0.0	0.0	4.6	58.39	95.50	2287.19	2196.8	900	499
MEAN	1.14	0.0	0.0	0.0	0.0	0.15	1.95	3.08	76.2	70.9	29.0	16.6
AC-FT	70	0.0	0.0	0.0	0.0	9.1	116	189	4540	4360	1790	990
MAX	3.1	0.0	0.0	0.0	0.0	4.6	3.8	54	190	109	51	46
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.99	0.23	0.99	3.7	12	11

CAL YR 1997 TOTAL	4241.39	MEAN	11.6	MAX	157	MIN	0.00	AC-FT	8410
WTR YR 1998 TOTAL	6076.79	MEAN	16.6	MAX	190	MIN	0.00	AC-FT	12050

MAX DISCH 192 CFS AT 1100 25-JUN-1998 GH 2.64 FT. SHIFT 0.00 FT. MAX GH 2.64 FT. AT 1100 25-JUN-1998

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 Mar. 31, 1998, when pen was not set correct. Water was run Oct. 1-21, 1997 and Mar. 31-Sep. 30, 1998. Chart was used Oct. 1-21, 1997; Apr. 1-11; June 11-26; July 6-7, 1998. Record is good except for start-up day, Mar. 31, 1998, which is estimated. Record developed by Fred Renner.

RATING TABLE.--BFCLYOCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

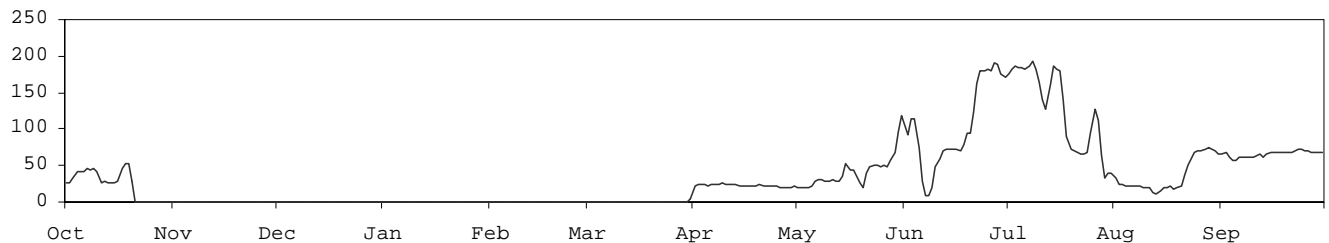
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	0.0	0.0	0.0	0.0	0.0	22	20	105	175	32	66
2	27	0.0	0.0	0.0	0.0	0.0	24	20	92	183	25	69
3	33	0.0	0.0	0.0	0.0	0.0	24	19	113	187	25	62
4	42	0.0	0.0	0.0	0.0	0.0	24	19	115	184	23	56
5	42	0.0	0.0	0.0	0.0	0.0	23	23	75	184	21	58
6	42	0.0	0.0	0.0	0.0	0.0	24	29	29	182	22	62
7	45	0.0	0.0	0.0	0.0	0.0	24	30	8.4	186	22	62
8	44	0.0	0.0	0.0	0.0	0.0	24	30	8.5	193	21	62
9	46	0.0	0.0	0.0	0.0	0.0	26	29	19	183	20	62
10	42	0.0	0.0	0.0	0.0	0.0	24	29	49	165	20	62
11	27	0.0	0.0	0.0	0.0	0.0	24	30	60	141	19	63
12	28	0.0	0.0	0.0	0.0	0.0	24	28	71	128	14	66
13	27	0.0	0.0	0.0	0.0	0.0	24	29	72	159	10	62
14	27	0.0	0.0	0.0	0.0	0.0	23	35	72	186	15	66
15	27	0.0	0.0	0.0	0.0	0.0	22	53	72	182	19	69
16	28	0.0	0.0	0.0	0.0	0.0	22	44	72	180	20	68
17	46	0.0	0.0	0.0	0.0	0.0	23	44	70	140	21	68
18	52	0.0	0.0	0.0	0.0	0.0	23	35	79	91	18	68
19	53	0.0	0.0	0.0	0.0	0.0	23	27	94	73	20	69
20	28	0.0	0.0	0.0	0.0	0.0	24	20	95	71	21	69
21	0.65	0.0	0.0	0.0	0.0	0.0	23	40	122	68	38	69
22	0.0	0.0	0.0	0.0	0.0	0.0	23	48	162	66	50	70
23	0.0	0.0	0.0	0.0	0.0	0.0	23	50	180	66	59	73
24	0.0	0.0	0.0	0.0	0.0	0.0	21	51	180	67	68	73
25	0.0	0.0	0.0	0.0	0.0	0.0	21	49	183	95	70	71
26	0.0	0.0	0.0	0.0	0.0	0.0	20	50	180	127	71	70
27	0.0	0.0	0.0	0.0	0.0	0.0	19	49	191	111	72	68
28	0.0	0.0	0.0	0.0	0.0	0.0	20	56	189	63	74	67
29	0.0	0.0	0.0	0.0	---	0.0	20	67	176	32	72	68
30	0.0	0.0	0.0	0.0	---	0.0	21	96	172	39	71	69
31	0.0	---	0.0	0.0	---	5.4	---	118	---	40	65	---
TOTAL	733.65	0.0	0.0	0.0	0.0	5.4	682	1267	3105.9	3947	1118	1987
MEAN	23.7	0.0	0.0	0.0	0.0	0.17	22.7	40.9	104	127	36.1	66.2
AC-FT	1460	0.0	0.0	0.0	0.0	11	1350	2510	6160	7830	2220	3940
MAX	53	0.0	0.0	0.0	0.0	5.4	26	118	191	193	74	73
MIN	0.0	0.0	0.0	0.0	0.0	0.0	19	19	8.4	32	10	56

CAL YR 1997 TOTAL 11365.65 MEAN 31.1 MAX 191 MIN 0.00 AC-FT 22540
WTR YR 1998 TOTAL 12845.95 MEAN 35.2 MAX 193 MIN 0.00 AC-FT 25480

MAX DISCH 197 CFS AT 0100 28-JUN-1998 GH 2.69 FT. SHIFT 0.00 FT. MAX GH 2.69 FT. AT 0100 28-JUN-1998

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.--Water was run May 22-June 5; June 27-July 25; Aug. 22-Sep. 3, 14-17, 1998. The primary record is mean daily GHs taken from Chart. Days with significant range in stage were entered hourly in the Records computation. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--BFCLHCCO2 USED FROM 01-OCT-1997 TO 30-SEP-1998

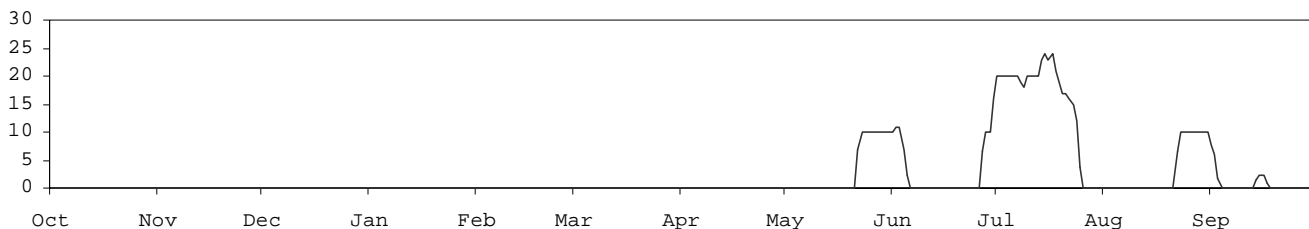
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	10	20	0.0	7.7
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	20	0.0	6.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	20	0.0	1.7
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	20	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	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	20	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	1.5
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	0.0	2.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	2.2
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	0.0	0.76
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	16	6.6	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	15	10	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	12	10	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	3.6	10	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	10	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	6.7	0.0	10	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10	0.0	10	0.0
29	0.0	0.0	0.0	0.0	0.0	---	0.0	10	10	0.0	10	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	10	16	0.0	10	0.0
31	0.0	---	0.0	0.0	---	0.0	---	10	---	0.0	10	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.9	84.0	471.6	96.6	22.06
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.13	2.80	15.2	3.12	0.74
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	192	167	935	192	44
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	16	24	10	7.7
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 1997 TOTAL 893.2 MEAN 2.45 MAX 25 MIN 0.00 AC-FT 1770
WTR YR 1998 TOTAL 771.16 MEAN 2.11 MAX 24 MIN 0.00 AC-FT 1530

MAX DISCH 24 CFS AT 0800 14-JUL-1998 GH 1.31 FT. SHIFT 0.00 FT. MAX GH 1.31 FT. AT 0800 14-JUL-1998

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. Primary record is mean daily gage heights from chart. Water was run May 26-Sep. 30, 1998. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--DRYCRKCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

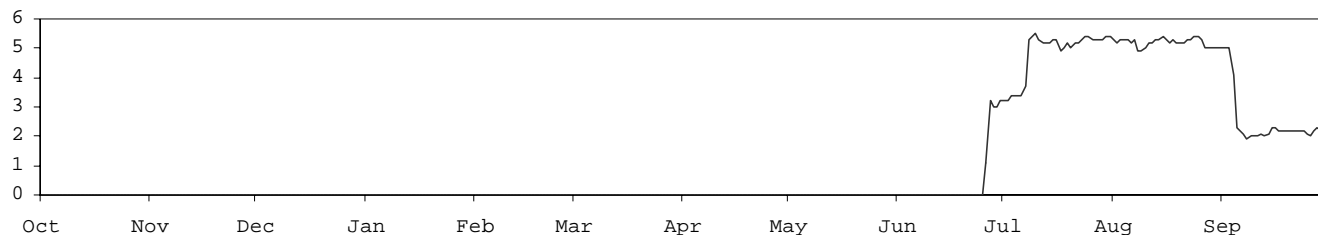
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	3.2	5.3	5.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.2	5.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	5.3	5.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	5.3	4.1
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	5.3	2.3
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	5.2	2.2
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	5.3	2.1
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	4.9	1.9
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	4.9	2.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.0	2.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.2	2.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	2.1
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.3	2.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.3	2.1
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.4	2.3
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	2.3
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	5.2	2.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.3	2.2
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	2.2
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.2	2.2
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	2.2
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.3	2.2
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	2.2
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	5.4	2.2
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	5.4	2.1
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.3	5.3	2.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.3	5.0	2.2
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.3	5.0	2.3
29	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	3.0	5.3	5.0	2.2
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.2	5.4	5.0	2.1
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	5.4	5.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	150.0	161.2	74.9
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.45	4.84	5.20	2.50
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	298	320	149
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.5	5.4	5.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.9	1.9

CAL YR 1997 TOTAL 143.05 MEAN 0.39 MAX 3.5 MIN 0.00 AC-FT 284
WTR YR 1998 TOTAL 399.6 MEAN 1.09 MAX 5.5 MIN 0.00 AC-FT 793

MAX DISCH 6.8 CFS AT 0700 28-JUN-1998 GH 0.77 FT. SHIFT 0.00 FT. MAX GH 0.77 FT. AT 0700 28-JUN-1998

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.

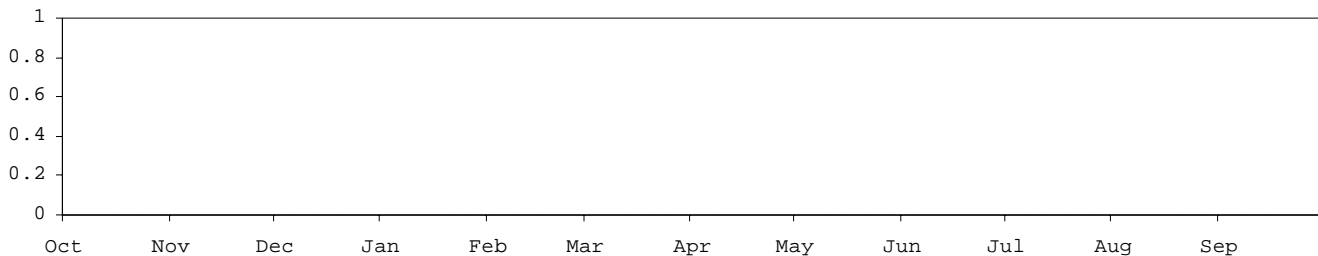
REMARKS.--No flow this water year. Record maintained by Fred Renner.

RATING TABLE.--HFCCRC001 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
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 1997 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		
WTR YR 1998 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.

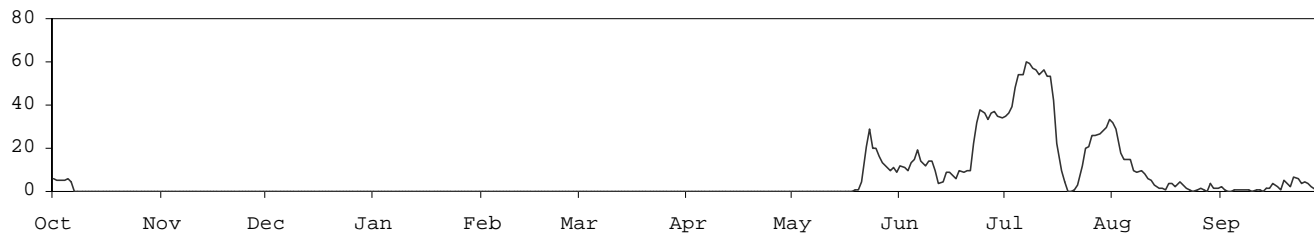
REMARKS.--All figures supplied by the district water commissioner from Conservancy District records and partial year recorder charts. No measurements made during the 1998 water year. Record developed by Rodger Burcher.

RATING TABLE.--SPSCFLCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	35	32	1.9
2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	36	29	0.43
3	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	39	18	0.16
4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	48	15	0.08
5	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	54	15	0.82
6	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	54	15	0.54
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	60	9.4	0.52
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	59	9.1	1.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	57	9.4	0.83
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	56	8.5	0.35
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	54	6.2	0.61
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	56	4.9	0.52
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	53	3.3	0.34
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	53	1.4	1.5
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	42	1.2	1.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	22	1.1	3.6
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	10	3.6	2.1
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	4.3	3.8	0.94
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	8.9	0.29	2.0	5.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10	0.0	4.4	4.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	9.4	0.68	3.1	2.1
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	22	3.0	1.8	6.6
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	32	12	0.40	5.8
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	38	20	0.24	3.9
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	36	21	0.97	4.1
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	33	26	1.4	4.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	36	26	0.40	2.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	37	27	0.35	1.1
29	0.0	0.0	0.0	0.0	---	0.0	0.0	10	35	28	3.4	0.48
30	0.0	0.0	0.0	0.0	---	0.0	0.0	11	34	30	1.4	0.65
31	0.0	---	0.0	0.0	---	0.0	---	8.8	---	33	1.4	---
TOTAL	31.8	0.0	0.0	0.0	0.0	0.0	0.0	166.4	523.0	1019.27	207.16	57.27
MEAN	1.03	0.0	0.0	0.0	0.0	0.0	0.0	5.37	17.4	32.9	6.68	1.91
AC-FT	63	0.0	0.0	0.0	0.0	0.0	0.0	330	1040	2020	411	114
MAX	5.7	0.0	0.0	0.0	0.0	0.0	0.0	29	38	60	32	6.6
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.24	0.08
CAL YR 1997 TOTAL		1364.8	MEAN	3.74	MAX	63	MIN	0.00	AC-FT	2710		
WTR YR 1998 TOTAL		2004.90	MEAN	5.49	MAX	60	MIN	0.00	AC-FT	3980		

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. Data Collection Platform and shaft encoder was installed in 1997.

REMARKS.--The canal was in use for Oct. 1-28, 1997; Mar. 31-Sep. 30, 1998. The canal was off for the winter. Record is complete and reliable for the entire period except for Mar. 31, 1998, which did not document a start up time. Record is good, except for the start up day Mar. 31, which is estimated. Station maintained and record developed by Fred Renner.

RATING TABLE.--SVSLYOCO05 USED FROM 01-OCT-1997 TO 30-SEP-1998

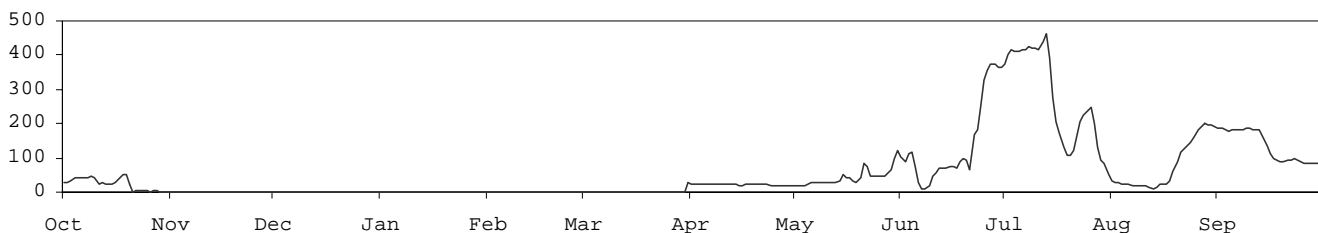
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	0.0	0.0	0.0	0.0	0.0	25	19	105	373	34	187
2	26	0.0	0.0	0.0	0.0	0.0	24	19	91	402	26	188
3	34	0.0	0.0	0.0	0.0	0.0	23	18	113	416	26	181
4	41	0.0	0.0	0.0	0.0	0.0	22	18	116	412	24	177
5	40	0.0	0.0	0.0	0.0	0.0	22	22	74	412	22	181
6	40	0.0	0.0	0.0	0.0	0.0	22	28	29	416	22	184
7	44	0.0	0.0	0.0	0.0	0.0	24	29	8.1	418	21	184
8	42	0.0	0.0	0.0	0.0	0.0	23	29	8.2	424	20	184
9	45	0.0	0.0	0.0	0.0	0.0	24	28	19	422	20	188
10	41	0.0	0.0	0.0	0.0	0.0	23	28	48	422	20	185
11	25	0.0	0.0	0.0	0.0	0.0	23	29	57	418	18	182
12	26	0.0	0.0	0.0	0.0	0.0	23	27	69	440	14	182
13	25	0.0	0.0	0.0	0.0	0.0	23	28	70	462	9.4	181
14	25	0.0	0.0	0.0	0.0	0.0	22	33	71	394	16	164
15	25	0.0	0.0	0.0	0.0	0.0	21	51	73	275	22	136
16	28	0.0	0.0	0.0	0.0	0.0	21	42	74	206	22	112
17	44	0.0	0.0	0.0	0.0	0.0	22	42	70	171	22	98
18	51	0.0	0.0	0.0	0.0	0.0	23	33	87	129	32	92
19	51	0.0	0.0	0.0	0.0	0.0	23	27	98	109	60	91
20	25	0.0	0.0	0.0	0.0	0.0	23	41	95	108	88	91
21	1.9	0.0	0.0	0.0	0.0	0.0	23	85	66	122	115	92
22	3.8	0.0	0.0	0.0	0.0	0.0	23	73	170	165	125	95
23	6.4	0.0	0.0	0.0	0.0	0.0	22	49	184	204	135	97
24	3.4	0.0	0.0	0.0	0.0	0.0	21	49	254	224	144	92
25	2.8	0.0	0.0	0.0	0.0	0.0	20	47	328	238	160	87
26	2.2	0.0	0.0	0.0	0.0	0.0	19	48	356	246	182	83
27	2.5	0.0	0.0	0.0	0.0	0.0	19	47	374	201	191	82
28	2.9	0.0	0.0	0.0	0.0	0.0	19	54	375	129	199	82
29	0.0	0.0	0.0	0.0	---	0.0	19	65	366	93	198	82
30	0.0	0.0	0.0	0.0	---	0.0	20	96	364	82	195	82
31	0.0	---	0.0	0.0	---	27	---	120	---	53	190	---
TOTAL	729.9	0.0	0.0	0.0	0.0	27	661	1324	4212.3	8586	2372.4	4042
MEAN	23.5	0.0	0.0	0.0	0.0	0.87	22.0	42.7	140	277	76.5	135
AC-FT	1450	0.0	0.0	0.0	0.0	54	1310	2630	8360	17030	4710	8020
MAX	51	0.0	0.0	0.0	0.0	27	25	120	375	462	199	188
MIN	0.0	0.0	0.0	0.0	0.0	0.0	19	18	8.1	53	9.4	82

CAL YR 1997 TOTAL 19908.7 MEAN 54.5 MAX 369 MIN 0.00 AC-FT 39490
WTR YR 1998 TOTAL 21954.6 MEAN 60.1 MAX 462 MIN 0.00 AC-FT 43550

MAX DISCH 470 CFS AT 1015 13-JUL-1998 GH 3.57 FT. SHIFT 0.00 FT. MAX GH 3.57 FT. AT 1015 13-JUL-1998

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. Water was run June 26-July 15; Aug. 18-28, 1998. The record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--SVSLT1CO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

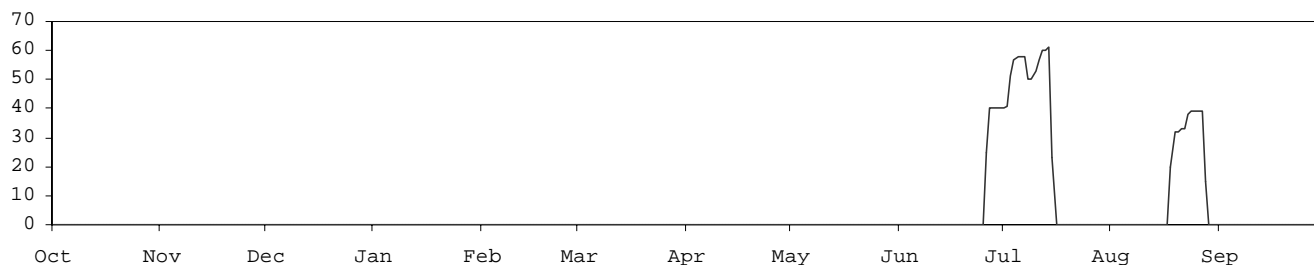
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	40	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	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	0.0	0.0	57	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	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	20	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	0.0
24	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	39	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0	39	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	0.0	39	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	0.0	15	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	40	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	40	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	185	777	359	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.17	25.1	11.6	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	367	1540	712	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	61	39	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 1997 TOTAL 1055.9 MEAN 2.89 MAX 55 MIN 0.00 AC-FT 2090
WTR YR 1998 TOTAL 1321 MEAN 3.62 MAX 61 MIN 0.00 AC-FT 2620

MAX DISCH 62 CFS AT 0900 15-JUL-1998 GH 2.37 FT. SHIFT 0.00 FT. MAX GH 2.37 FT. AT 0900 15-JUL-1998

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. Water was run June 11-13, June 20-Sep. 30, 1998. The record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--SVSLT2CO03 USED FROM 01-OCT-1997 TO 30-SEP-1998

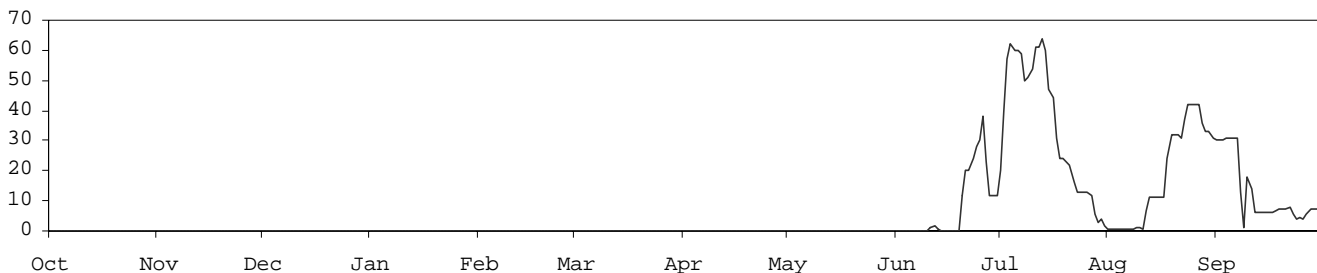
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	0.56	30
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	0.56	30
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	0.56	30
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	0.56	31
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	0.56	31
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	0.64	31
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	0.64	31
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	0.64	13
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	0.98	1.2
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	0.89	18
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	61	0.72	14
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	61	7.0	6.4
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.72	64	11	6.4
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	11	6.4
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	11	6.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	11	6.2
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	11	6.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	24	6.8
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	32	7.2
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	23	32	7.2
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	22	32	7.2
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	16	31	7.9
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	13	37	5.4
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	13	42	3.8
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	13	42	4.2
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	13	42	3.8
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	12	42	5.7
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	5.6	36	7.3
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	12	3.0	33	7.2
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	12	3.8	33	7.2
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	1.8	31	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	234.92	1068.2	558.31	378.9
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.83	34.5	18.0	12.6
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	466	2120	1110	752
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	64	42	31
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.56	1.2

CAL YR 1997 TOTAL	1777.71	MEAN	4.87	MAX	54	MIN	0.00	AC-FT	3530
WTR YR 1998 TOTAL	2240.33	MEAN	6.14	MAX	64	MIN	0.00	AC-FT	4440

MAX DISCH 70 CFS AT 0900 14-JUL-1998 GH 2.55 FT. SHIFT 0.00 FT. MAX GH 2.55 FT. AT 0900 14-JUL-1998

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. Water was run July 6-14; Sep. 18-30, 1998. Record is good. Station maintained by NCWCD Personnel. Record developed by Merlin Friedrichsen.

RATING TABLE.--SVSHERCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

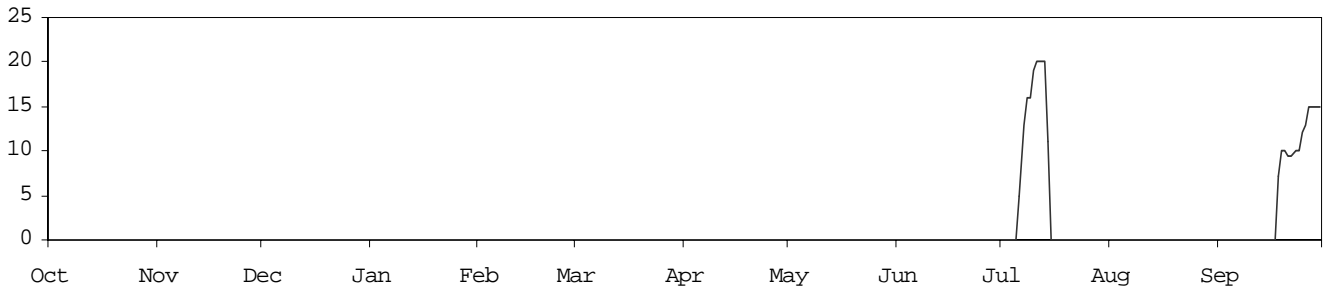
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	4.9	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	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	7.2
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	15
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	15
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	139.9	0.0	151.2
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.51	0.0	5.04
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	277	0.0	300
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	15
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 1997 TOTAL 423.2 MEAN 1.16 MAX 21 MIN 0.00 AC-FT 839
WTR YR 1998 TOTAL 291.1 MEAN 0.80 MAX 20 MIN 0.00 AC-FT 577

MAX DISCH 21 CFS AT 1230 10-JUL-1998 GH 1.20 FT. SHIFT 0.00 FT. MAX GH 1.20 FT. AT 1230 10-JUL-1998

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



PLATTE RIVER BASIN

HANSEN SUPPLY CANAL TO CACHE LA Poudre 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.--Primary record has been taken from NCWCD reported daily flows and daily water orders computed by the commissioner, with computations checked against the chart and our badly time-stamped satellite monitoring data. While the NCWCD district data was not edited, it was computed on a ten-minute basis and had the potential to be more accurate than the chart. Record is rated good to fair. Most discharges used were user supplied and not computed and checked using primary data (gage heights) as the basis for the record. Station maintained by NCWCD Personnel. Record developed by George Sievers.

RATING TABLE.--HSCCLPC002 USED FROM 01-OCT-1997 TO 30-SEP-1998

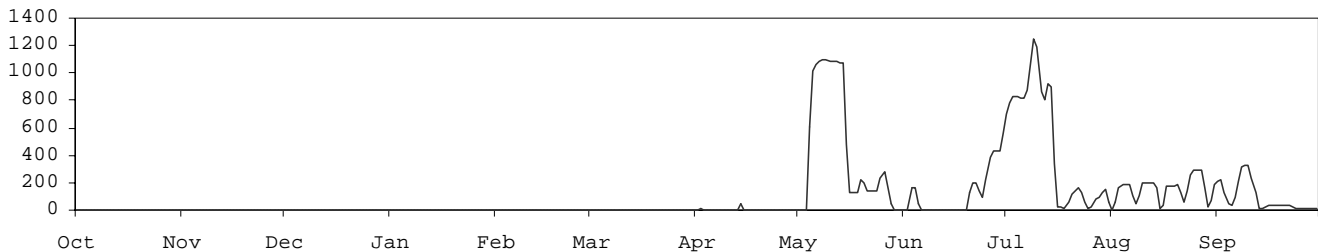
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.10	0.0	0.0	0.0	0.0	0.0	0.30	3.1	2.7	697	2.1	213
2	0.60	0.0	0.0	0.0	0.0	0.0	9.3	3.6	2.6	786	55	217
3	1.1	0.0	0.0	0.0	0.0	0.0	0.30	3.9	160	823	169	126
4	1.0	0.0	0.0	0.0	0.0	0.0	0.30	610	169	823	183	46
5	1.0	0.0	0.0	0.0	0.0	0.0	0.30	1010	49	820	183	38
6	0.80	0.0	0.0	0.0	0.0	0.0	0.30	1060	4.6	814	183	99
7	1.7	0.0	0.0	0.0	0.0	0.0	0.30	1080	4.6	871	109	215
8	0.20	0.0	0.0	0.0	0.0	0.0	0.30	1100	4.7	1060	45	318
9	0.20	0.0	0.0	0.0	0.0	0.0	0.30	1100	4.6	1250	104	326
10	0.10	0.0	0.0	0.0	0.0	0.0	0.30	1090	4.6	1190	195	324
11	0.10	0.0	0.0	0.0	0.0	0.0	0.30	1090	4.6	864	195	232
12	0.10	0.0	0.0	0.0	0.0	0.0	0.30	1080	4.4	805	195	133
13	0.10	0.0	0.0	0.0	0.0	0.0	0.30	1070	4.5	916	195	15
14	0.10	0.0	0.0	0.0	0.0	0.0	51	1070	4.5	896	160	15
15	0.10	0.0	0.0	0.0	0.0	0.0	3.6	480	4.3	342	15	21
16	0.10	0.0	0.0	0.0	0.0	0.0	0.30	128	4.3	23	39	36
17	0.10	0.0	0.0	0.0	0.0	0.0	1.1	128	3.5	18	175	36
18	0.10	0.0	0.0	0.0	0.0	0.0	1.2	128	2.8	8.7	175	37
19	0.10	0.0	0.0	0.0	0.0	0.0	1.2	219	4.5	58	178	37
20	0.10	0.0	0.0	0.0	0.0	0.0	1.5	195	124	118	183	36
21	0.30	0.0	0.0	0.0	0.0	0.0	2.8	142	202	140	131	36
22	0.10	0.0	0.0	0.0	0.0	0.0	1.8	143	202	166	58	34
23	0.10	0.0	0.0	0.0	0.0	0.0	1.9	143	141	123	142	18
24	0.10	0.0	0.0	0.0	0.0	0.0	2.1	143	99	54	252	10
25	0.10	0.0	0.0	0.0	0.0	0.0	2.2	232	221	11	286	10
26	0.10	0.0	0.0	0.0	0.0	0.0	2.2	279	382	28	296	9.6
27	0.10	0.0	0.0	0.0	0.0	0.0	2.0	168	437	77	293	9.6
28	3.0	0.0	0.0	0.0	0.0	0.0	2.0	41	435	88	162	9.9
29	3.8	0.0	0.0	0.0	---	0.0	2.7	3.0	435	132	28	9.8
30	0.54	0.0	0.0	0.0	---	0.0	3.4	2.8	557	148	75	10
31	0.36	---	0.0	0.0	---	0.0	---	2.7	---	58	188	---
TOTAL	16.40	0.0	0.0	0.0	0.0	0.0	95.90	13948.1	3678.8	14207.7	4649.1	2676.9
MEAN	0.53	0.0	0.0	0.0	0.0	0.0	3.20	450	123	458	150	89.2
AC-FT	33	0.0	0.0	0.0	0.0	0.0	190	27670	7300	28180	9220	5310
MAX	3.8	0.0	0.0	0.0	0.0	0.0	51	1100	557	1250	296	326
MIN	0.10	0.0	0.0	0.0	0.0	0.0	0.30	2.7	2.6	8.7	2.1	9.6

CAL YR 1997 TOTAL 31643.50 MEAN 86.7 MAX 1210 MIN 0.00 AC-FT 62760
WTR YR 1998 TOTAL 39272.90 MEAN 108 MAX 1250 MIN 0.00 AC-FT 77900

MAX DISCH 1349 CFS AT 0830 07-MAY-1998 GH 5.82 FT. SHIFT 0.00 FT. MAX GH 5.82 FT. AT 0830 07-MAY-1998

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



PLATTE RIVER BASIN

HANSEN SUPPLY CANAL TO POUDBRE 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. Primary record is taken from mean daily chart gage heights. Water was run July 2-8, 25-30, and Sep. 22-28, 1998. Recorder showed a gage height during a period of zero flow-July 15-25. This appeared to be due to the recorder hanging up after the level in the canal was raised briefly. Record is good. Record developed by George Sievers.

RATING TABLE.--HSCPVD002 USED FROM 01-OCT-1997 TO 30-SEP-1998

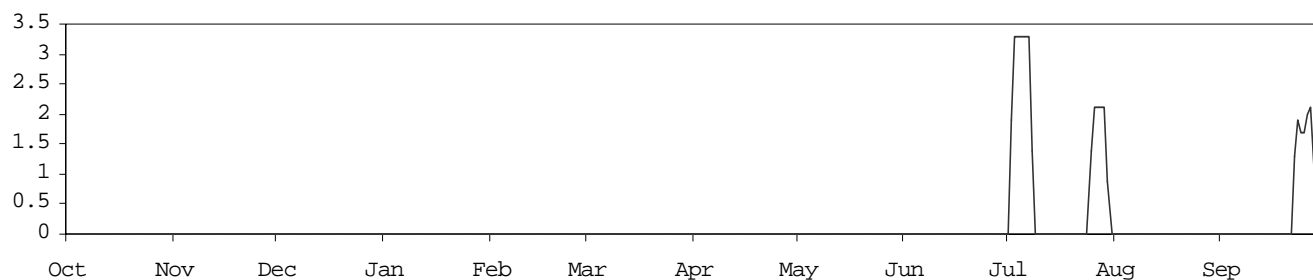
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	1.9	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	3.3	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	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	1.3
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.7
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.70
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	2.1	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.86	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	30.46	0.0	11.40
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.98	0.0	0.38
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	0.0	23
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	2.1
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 1997 TOTAL 60.93 MEAN 0.17 MAX 23 MIN 0.00 AC-FT 121
WTR YR 1998 TOTAL 41.86 MEAN 0.11 MAX 3.3 MIN 0.00 AC-FT 83

MAX DISCH 4.0 CFS AT 0900 08-JUL-1998 GH 0.23 FT. SHIFT 0.00 FT. MAX GH 0.23 FT. AT 0900 08-JUL-1998

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



PLATTE RIVER BASIN

LITTLE THOMPSON RIVER @ CANYON MOUTH NEAR BERTHOUD, CO

LOCATION.--Lat 40°15'29", long 105°12'21", SW¼NW¼ sec. 2, T. 3 N., 70 W., Boulder County, on the left bank, at the mouth of the Canyon, 1800 ft. upstream from the Culver Ditch Diversion and 8.5 mi. southwest of Berthoud, Co.

DRAINAGE AREA.--

GAGE.--Graphic water stage recorder in a 42" metal well. The drop tape is the primary reference. The graphic chart is the primary record.

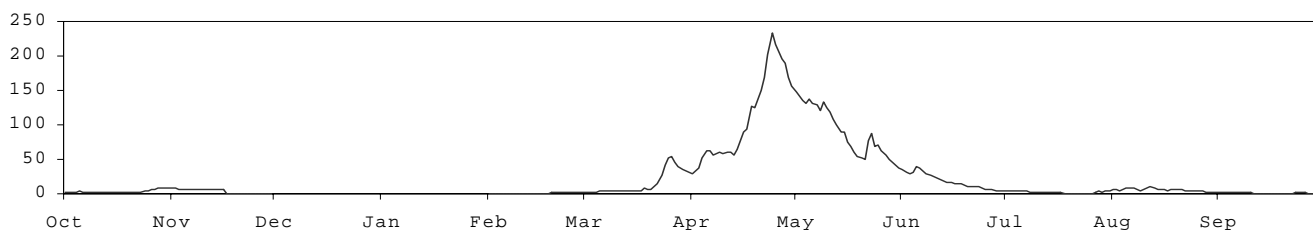
REMARKS.--Record is complete and reliable except for the following periods: Nov. 15-16, 1997; Feb. 27-28; Mar. 1-2, 1998. Also July 1-17; Aug. 18-28, 1998 from backwater from CBT releases just below the station. The station was closed Nov. 17, 1997-Feb. 18, 1998 for winter. The record is good, except for periods of submergence at the station and ice effect which are fair. Zero flow days in Nov. and Feb. Are not representative of true flow values. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--LTCANYC011 USED FROM 01-OCT-1997 TO 30-SEP-1998DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	7.9	---	---	0.0	2.3	30	148	35	4.2	6.6	1.8
2	2.6	7.7	---	---	0.0	2.5	33	142	31	4.1	5.4	1.8
3	2.5	7.0	---	---	0.0	2.5	37	136	29	4.0	4.8	1.7
4	2.5	6.5	---	---	0.0	2.8	53	132	32	3.8	5.5	1.6
5	3.7	6.1	---	---	0.0	3.4	63	138	39	3.8	7.5	1.6
6	3.1	5.9	---	---	0.0	3.8	63	132	38	3.6	8.2	1.5
7	2.6	5.7	---	---	0.0	4.2	57	130	33	3.3	7.4	1.3
8	2.8	5.5	---	---	0.0	4.1	58	120	29	3.0	5.9	1.2
9	2.7	5.9	---	---	0.0	4.2	60	134	28	2.9	5.0	1.1
10	2.6	6.1	---	---	0.0	4.8	59	125	25	2.7	5.6	1.1
11	2.4	6.1	---	---	0.0	4.6	60	119	23	2.5	8.4	0.99
12	2.8	5.9	---	---	0.0	4.2	60	108	20	2.3	11	0.92
13	2.9	5.9	---	---	0.0	5.0	57	99	18	2.0	9.3	0.87
14	2.7	5.7	---	---	0.0	4.4	65	90	16	1.8	6.9	0.86
15	2.6	5.9	---	---	0.0	4.4	77	89	16	1.7	7.0	0.71
16	2.5	5.7	---	---	0.0	4.4	89	76	15	1.5	5.9	0.60
17	2.3	0.0	---	---	0.0	4.8	93	69	15	1.5	5.0	0.49
18	2.2	0.0	---	---	0.0	7.7	128	61	15	0.92	6.3	0.40
19	2.2	0.0	---	---	2.3	6.8	126	55	13	0.84	6.1	0.32
20	2.3	0.0	---	---	2.2	7.1	138	53	11	0.77	5.7	0.27
21	2.4	0.0	---	---	2.1	9.5	150	50	11	0.68	5.3	0.21
22	2.4	0.0	---	---	2.1	15	168	78	11	0.64	5.2	0.16
23	2.5	0.0	---	---	2.2	28	203	88	9.5	0.60	4.8	1.4
24	3.4	0.0	---	---	2.3	41	234	68	7.9	0.55	4.4	1.6
25	5.2	0.0	---	---	2.4	52	217	70	6.6	0.51	4.2	1.4
26	5.3	0.0	---	---	2.4	55	206	63	6.5	0.45	4.0	1.2
27	6.1	0.0	---	---	2.3	45	196	57	5.4	2.9	3.2	1.0
28	7.5	0.0	---	---	2.2	40	190	50	4.4	3.2	2.5	0.81
29	7.9	0.0	---	---	---	36	168	46	4.2	3.1	1.6	0.76
30	7.7	0.0	---	---	---	34	157	42	3.9	3.2	1.7	0.73
31	7.5	---	---	---	---	31	---	38	---	4.4	1.8	---
TOTAL	110.8	99.5			22.5	474.5	3295	2806	551.4	71.46	172.2	30.41
MEAN	3.57	3.32			0.80	15.3	110	90.5	18.4	2.31	5.55	1.01
AC-FT	220	197			45	941	6540	5570	1090	142	342	60
MAX	7.9	7.9			2.4	55	234	148	39	4.4	11	1.8
MIN	2.2	0.0			0.0	2.3	30	38	3.9	0.45	1.6	0.16
CAL YR 1997 TOTAL										13070		
WTR YR 1998 TOTAL		7633.76			MEAN	20.9	MAX	234	MIN	0.00	AC-FT	15140

MAX DISCH 267 CFS AT 0215 24-APR-1998 GH 3.76 FT. SHIFT -0.03 FT. MAX GH 3.76 FT. AT 0215 24-APR-1998

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. Discharge was affected by ice Oct. 25-26; Nov. 15-16, 30; Dec. 1-3, 5-8, 11-13, 25-29, 1997 and Jan. 7-14, 1998. DCP is the primary record. Record is good except for ice periods which are poor. Station maintained and record developed by Brent Schantz.

RATING TABLE.--BIGLASCO24 USED FROM 01-OCT-1997 TO 30-SEP-1998

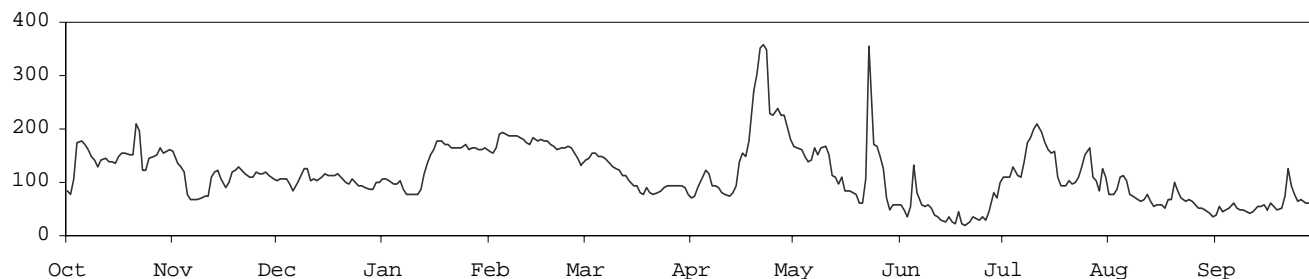
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	157	103	105	159	142	72	167	58	110	76	39
2	77	136	107	105	156	145	73	166	50	111	79	55
3	105	129	105	103	164	155	91	160	34	109	88	46
4	175	120	107	98	190	156	103	149	54	129	110	49
5	176	77	97	96	193	150	121	139	133	114	113	53
6	170	69	84	102	189	148	115	143	80	111	104	60
7	161	69	101	86	188	145	93	163	57	138	79	51
8	148	68	112	78	186	136	93	153	56	175	74	50
9	143	70	127	76	187	130	91	164	57	183	67	50
10	130	74	126	76	184	127	82	167	52	201	65	46
11	141	73	103	76	180	122	77	152	40	209	69	43
12	146	111	105	86	175	114	73	112	34	193	76	45
13	138	118	103	115	170	113	80	110	28	175	66	55
14	140	122	110	137	184	104	93	96	25	162	56	56
15	135	107	116	153	177	95	139	110	35	155	59	59
16	147	91	112	162	180	92	155	83	27	157	58	50
17	155	100	113	176	179	81	149	83	23	109	53	61
18	156	119	113	176	176	79	177	81	46	94	68	54
19	152	123	115	171	171	91	272	77	22	92	68	47
20	151	130	111	172	167	80	304	60	19	103	101	51
21	209	123	100	166	160	79	352	62	26	97	85	73
22	197	115	98	165	164	80	357	105	35	100	71	127
23	124	110	105	166	163	84	348	354	32	110	66	94
24	123	111	100	165	168	90	228	170	29	130	68	76
25	144	120	93	170	164	92	226	169	36	151	63	63
26	147	117	93	161	156	95	238	148	30	164	58	68
27	151	116	91	163	144	94	227	125	45	111	53	62
28	163	119	87	165	133	92	227	72	82	102	51	61
29	156	114	86	162	---	92	204	50	72	85	49	64
30	157	107	100	162	---	89	182	59	99	127	42	57
31	161	---	100	166	---	77	---	59	---	110	37	---
TOTAL	4562	3215	3223	4160	4807	3369	5042	3908	1416	4117	2172	1765
MEAN	147	107	104	134	172	109	168	126	47.2	133	70.1	58.8
AC-FT	9050	6380	6390	8250	9530	6680	10000	7750	2810	8170	4310	3500
MAX	209	157	127	176	193	156	357	354	133	209	113	127
MIN	77	68	84	76	133	77	72	50	19	85	37	39

CAL YR 1997 TOTAL 62157 MEAN 170 MAX 1840 MIN 14 AC-FT 123300
WTR YR 1998 TOTAL 41756 MEAN 114 MAX 357 MIN 19 AC-FT 82820

MAX DISCH 408 CFS AT 0500 23-MAY-1998 GH 2.84 FT. SHIFT 0.02 FT. MAX GH 2.84 FT. AT 1700 23-APR-1998

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 recorder at 10' Parshall flume.

REMARKS.--Record is complete and reliable. Primary record is taken from the chart. Chart record is complete and reliable except for the period of May 12-15, 1998 when the canal started but the recorder was not installed. Record is good, except for May 12-15, 1998, which is estimated. Station maintained and record developed by George Sievers and George Varra.

RATING TABLE.--MUNCANCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

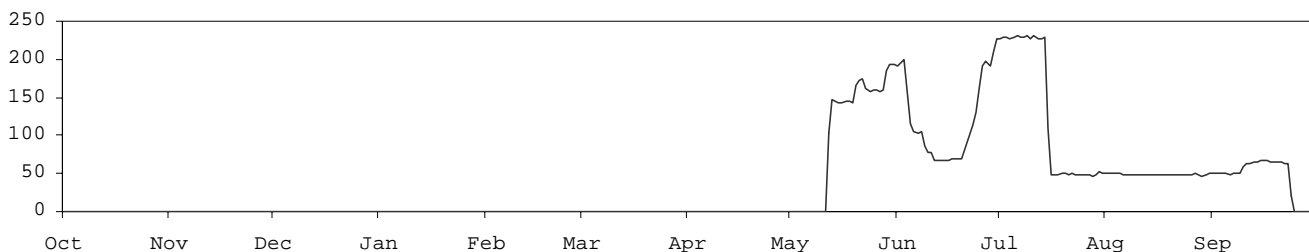
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	192	227	50	50
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	195	228	50	50
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200	228	50	50
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158	227	50	50
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116	229	50	50
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	231	49	49
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103	228	48	50
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	106	228	48	50
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87	231	49	50
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77	227	49	59
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77	231	49	64
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103	68	226	49	64
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	148	67	227	48	65
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146	68	228	48	66
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	143	68	110	49	67
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	142	68	49	49	67
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	69	49	49	67
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	70	49	49	66
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	143	69	51	49	66
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	166	70	51	49	66
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	173	89	49	49	66
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175	101	50	49	64
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	161	114	49	48	64
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	157	130	49	49	20
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	159	161	49	48	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	159	192	49	48	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158	197	48	50	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	160	191	47	49	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	184	210	49	47	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	194	226	52	49	0.0
31	0.0	---	0.0	0.0	---	0.0	---	194	---	51	50	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3153	3644	4097	1517	1380
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	121	132	48.9	46.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6250	7230	8130	3010	2740
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	194	226	231	50	67
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67	47	47	0.0

CAL YR 1997 TOTAL 14134 MEAN 38.7 MAX 224 MIN 0.00 AC-FT 28030
WTR YR 1998 TOTAL 13791 MEAN 37.8 MAX 231 MIN 0.00 AC-FT 27350

MAX DISCH 298 CFS AT 0730 29-JUN-1998 GH 3.54 FT. SHIFT 0.00 FT. MAX GH 3.54 FT. AT 0730 29-JUN-1998

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 Nov. 15-17, 1997; Feb. 26-28; Mar. 01, 1998, which were ice affected. The lower pipe was plugged and the top one too high Sep. 26-28, 1998, which isolated the gage. The station was closed Dec. 5, 1997-Feb. 25, 1998. The DCP is the primary source of record. Chart values were used Oct. 27, 1997 and Apr. 6, 1998 to correct for Daylight Savings Time; and also Nov 20-24, 28-30; Dec. 1-4, 1997; Mar. 2-4, 1998 when the DCP was not working. Record is good, except for periods of no gage-height record, isolation, and ice effect, which are poor. Station maintained and record developed by George Sievers.

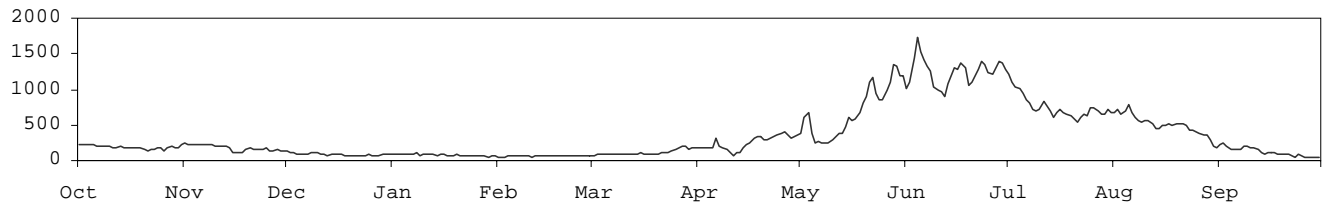
RATING TABLE.--CLAFTCCO10 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	232	247	129	88	55	72	175	373	1010	1210	667	230
2	231	231	122	91	51	85	180	598	1110	1090	721	245
3	224	221	106	96	56	89	176	672	1430	1040	641	194
4	222	225	100	80	58	94	191	374	1730	1010	688	157
5	214	226	86	82	61	87	186	244	1530	952	778	160
6	208	215	79	99	57	92	304	263	1410	862	669	149
7	211	216	100	82	63	93	209	251	1330	809	600	165
8	211	216	110	106	67	91	170	245	1250	718	563	195
9	205	224	108	70	66	90	151	244	1040	700	546	205
10	193	207	105	79	63	95	103	301	995	729	564	177
11	182	195	99	79	56	88	75	345	957	842	558	173
12	183	199	91	87	61	98	109	373	909	765	510	165
13	202	198	78	81	64	98	123	384	1080	703	455	120
14	189	170	87	78	63	101	185	474	1180	612	440	94
15	191	118	97	80	63	104	215	597	1300	663	491	105
16	187	120	90	79	68	92	237	553	1280	726	488	103
17	184	118	91	73	65	81	316	587	1370	682	521	106
18	184	114	78	75	66	84	335	682	1300	652	505	94
19	179	152	71	76	58	85	332	802	1050	618	518	83
20	161	184	67	80	65	97	297	902	1100	581	520	80
21	144	167	60	70	61	102	282	1090	1180	543	514	80
22	158	152	68	60	68	108	307	1160	1290	607	502	60
23	156	147	67	59	69	118	328	939	1400	661	434	53
24	180	152	62	62	73	134	349	847	1350	638	417	88
25	175	179	81	62	73	153	375	859	1230	742	404	68
26	134	140	76	62	72	176	401	986	1220	731	391	48
27	174	144	74	63	65	208	352	1110	1300	690	369	45
28	192	152	72	63	62	203	323	1340	1390	661	363	42
29	186	142	88	56	---	156	346	1320	1380	649	303	46
30	186	129	98	59	---	172	363	1200	1270	726	209	40
31	225	---	91	58	---	178	---	1200	---	685	188	---
TOTAL	5903	5300	2731	2335	1769	3524	7495	21315	37371	23297	15537	3570
MEAN	190	177	88.1	75.3	63.2	114	250	688	1246	752	501	119
AC-FT	11710	10510	5420	4630	3510	6990	14870	42280	74130	46210	30820	7080
MAX	232	247	129	106	73	208	401	1340	1730	1210	778	245
MIN	134	114	60	56	51	72	75	244	909	543	188	40
CAL YR 1997 TOTAL		153154	MEAN	420	MAX	2900	MIN	17	AC-FT	303800		
WTR YR 1998 TOTAL		130147	MEAN	357	MAX	1730	MIN	40	AC-FT	258100		

MAX DISCH 1882 CFS AT 0530 04-JUN-1998 GH 5.01 FT. SHIFT 0.00 FT. MAX GH 5.01 FT. AT 0530 04-JUN-1998

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 15 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 in a 48" metal shelter and well with wire weight gage on bridge above the station. Elevation of gage is 4,610 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Primary record is taken from hourly satellite gage readings, and is complete. Chart values were used for May 17-19, 1998 when the encoder counterweight hung up. The data is reliable except for Oct. 15 and Nov. 4, 1997 when the large flush corrections indicated plugged inlets. Record is good except for days of plugged inlets when the record is poor. Station maintained by Jim Clark and record developed by Jim Clark and Robert Cooper.

RATING TABLE.--CLAGRECO26 USED FROM 01-OCT-1997 TO 30-SEP-1998

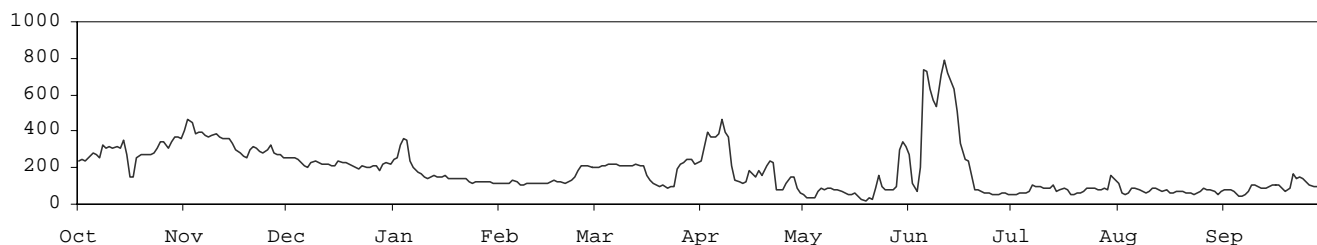
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	241	403	252	245	114	199	235	50	268	56	112	79
2	245	464	255	253	113	202	313	36	116	56	60	82
3	235	445	255	322	111	210	391	35	73	60	56	80
4	256	384	242	362	111	212	371	39	201	62	61	73
5	278	392	230	347	135	218	368	67	737	64	90	40
6	273	395	209	237	122	216	382	86	731	73	88	43
7	256	375	206	204	108	215	469	78	631	107	82	53
8	321	372	229	173	106	213	393	88	566	94	74	68
9	308	381	237	167	110	209	366	86	533	94	64	103
10	315	385	231	148	114	214	211	77	712	84	69	101
11	311	372	219	139	113	209	133	80	787	90	84	96
12	315	361	215	148	111	214	120	73	718	91	88	92
13	310	359	216	156	114	215	112	62	678	101	79	92
14	352	362	213	150	118	214	121	53	632	72	72	100
15	275	333	211	146	115	213	184	49	508	80	75	106
16	151	297	238	156	127	162	167	61	337	85	62	103
17	152	285	228	143	131	131	149	46	248	75	61	106
18	253	264	226	136	122	117	183	23	239	51	68	84
19	268	255	216	138	120	105	162	21	160	50	69	74
20	275	295	210	143	117	100	208	32	81	61	67	92
21	274	318	202	141	122	101	236	27	77	59	63	164
22	269	310	195	136	132	90	227	86	74	72	58	143
23	277	289	208	125	147	93	77	159	63	87	51	150
24	303	283	204	117	186	94	82	96	60	91	58	136
25	344	295	203	123	210	195	80	79	57	86	74	121
26	338	323	213	120	212	221	113	80	51	76	85	105
27	307	279	207	125	214	228	146	80	56	77	79	94
28	346	269	181	123	202	246	148	94	61	87	76	98
29	369	268	215	121	---	244	85	296	58	78	69	98
30	370	258	226	114	---	220	62	344	54	161	57	96
31	359	---	221	114	---	226	---	315	---	133	69	---
TOTAL	8946	10071	6813	5272	3757	5746	6294	2798	9567	2513	2220	2872
MEAN	289	336	220	170	134	185	210	90.3	319	81.1	71.6	95.7
AC-FT	17740	19980	13510	10460	7450	11400	12480	5550	18980	4980	4400	5700
MAX	370	464	255	362	214	246	469	344	787	161	112	164
MIN	151	255	181	114	106	90	62	21	51	50	51	40

CAL YR 1997 TOTAL 116015 MEAN 318 MAX 2550 MIN 24 AC-FT 230100
WTR YR 1998 TOTAL 66869 MEAN 183 MAX 787 MIN 21 AC-FT 132600

MAX DISCH 805 CFS AT 0115 12-JUN-1998 GH 4.07 FT. SHIFT 0.07 FT. MAX GH 4.07 FT. AT 0015 06-JUN-1998

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 during good manometer operation. During questionable manometer periods, chart record and outside gage readings are used. The record is complete and reliable except for periods when the manometer line was buried, plugged or leaking. Record was estimated for the following periods: Oct. 13-14, 17, 22, 24-31; Nov. 1-6, 9-10, 18-30; Dec. 1-8, 14-31, 1997; Jan. 1-5, 18-29; Feb. 4; Mar. 4-23, 30-31; Apr. 1-4, 16-17, 1998. Record is rated good for Oct. 1-12, 1997, and Apr. 18-Sep. 30, 1998. For Oct. 13-Apr. 17, the non-estimated record would be rated poor. Station maintained and record developed by George Sievers.

RATING TABLE.--PLAKERCO21 USED FROM 01-OCT-1997 TO 30-SEP-1998

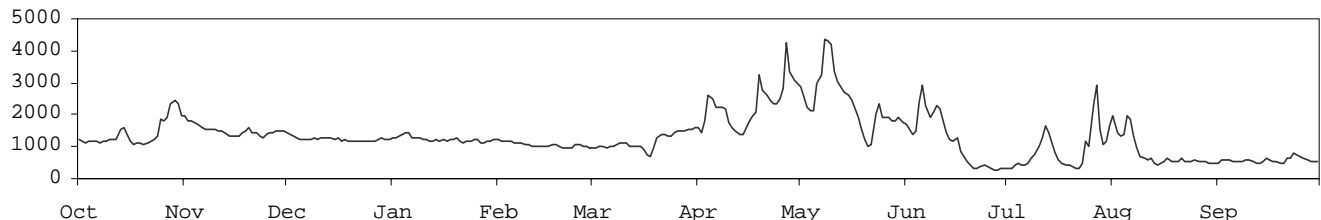
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1220	1990	1450	1260	1200	961	1600	2870	1720	314	1980	488
2	1170	1830	1360	1300	1190	983	1410	2530	1530	335	1410	609
3	1140	1810	1310	1350	1180	1000	1800	2210	1360	410	1350	602
4	1160	1780	1270	1360	1190	1000	2630	2130	1480	475	1390	580
5	1180	1700	1240	1440	1170	943	2520	2130	2400	425	1970	541
6	1150	1620	1210	1430	1140	1000	2250	2970	2920	402	1860	514
7	1120	1560	1210	1300	1110	1010	2250	3270	2280	477	1330	512
8	1180	1540	1240	1300	1100	1040	2210	4370	1940	645	955	556
9	1190	1540	1270	1280	1090	1100	2160	4290	2080	754	716	596
10	1210	1550	1250	1230	1050	1120	1780	4180	2300	988	632	562
11	1230	1480	1260	1220	1030	1100	1620	3350	2200	1290	605	507
12	1200	1500	1270	1150	1010	1030	1470	3040	1820	1670	635	482
13	1540	1460	1300	1170	1010	1020	1390	2890	1420	1450	484	494
14	1590	1340	1280	1220	1000	1020	1400	2690	1210	1110	412	548
15	1380	1310	1240	1150	1000	990	1610	2610	1180	810	453	627
16	1160	1340	1280	1210	1020	925	1820	2440	1260	599	514	564
17	1070	1340	1190	1170	1070	766	1980	2170	865	469	613	543
18	1130	1450	1210	1240	1040	718	2100	1900	697	409	538	515
19	1110	1500	1170	1240	1010	952	3270	1560	552	404	521	470
20	1050	1590	1180	1270	984	1290	2770	1220	400	376	554	479
21	1110	1420	1160	1180	952	1390	2630	1020	319	344	630	612
22	1180	1420	1190	1130	969	1370	2450	1090	310	336	525	654
23	1220	1310	1180	1190	980	1340	2330	2010	358	476	509	772
24	1330	1300	1170	1150	1050	1350	2330	2360	418	1160	546	730
25	1840	1370	1160	1210	1060	1430	2510	1900	353	1030	567	691
26	1790	1420	1190	1200	1020	1470	2800	1910	308	2310	547	633
27	1940	1420	1150	1110	996	1480	4250	1930	272	2910	532	561
28	2350	1480	1200	1130	961	1510	3340	1810	267	1540	509	507
29	2440	1500	1270	1170	---	1540	3060	1810	295	1090	498	516
30	2320	1490	1250	1180	---	1540	2990	1900	321	1170	477	520
31	1990	---	1240	1210	---	1600	---	1760	---	1670	458	---
TOTAL	43690	45360	38350	38150	29582	35988	68730	74320	34835	27848	24720	16985
MEAN	1409	1512	1237	1231	1057	1161	2291	2397	1161	898	797	566
AC-FT	86660	89970	76070	75670	58680	71380	136300	147400	69100	55240	49030	33690
MAX	2440	1990	1450	1440	1200	1600	4250	4370	2920	2910	1980	772
MIN	1050	1300	1150	1110	952	718	1390	1020	267	314	412	470

CAL YR 1997 TOTAL 664102 MEAN 1819 MAX 15600 MIN 183 AC-FT 1317000
WTR YR 1998 TOTAL 478558 MEAN 1311 MAX 4370 MIN 267 AC-FT 949200

MAX DISCH 5680 CFS AT 2045 09-MAY-1998 GH 7.39 FT. SHIFT -0.29 FT. MAX GH 7.39 FT. AT 2045 09-MAY-1998

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. 26, 1997 and Apr. 5, 1998. Record is complete and reliable except for Nov. 4-Dec. 4, 1997; Jan. 14-30, 1998 when flows were estimated. Discharges for the winter period were good as the river stayed open this year. The record is considered good except for the periods of estimated flow, which would be rated poor. Station maintained and record developed by George Sievers.

RATING TABLE.--PLAWELCO16 USED FROM 01-OCT-1997 TO 30-SEP-1998

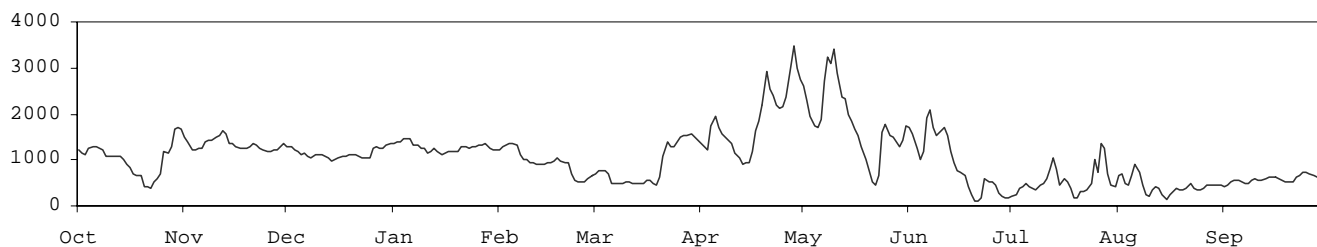
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1230	1510	1290	1370	1230	692	1360	2610	1700	205	669	418
2	1160	1390	1280	1400	1290	769	1280	2300	1580	258	709	442
3	1110	1230	1220	1390	1320	753	1210	1940	1260	375	472	524
4	1240	1230	1170	1450	1340	755	1750	1730	1020	432	459	550
5	1270	1250	1120	1460	1340	709	1950	1700	1180	494	656	554
6	1270	1240	1140	1460	1320	503	1710	1890	1930	421	907	508
7	1240	1380	1070	1330	1110	489	1550	2730	2100	369	723	472
8	1230	1410	1060	1310	1020	475	1510	3240	1720	358	456	484
9	1090	1440	1100	1250	1010	495	1430	3100	1540	463	253	548
10	1070	1490	1120	1240	953	529	1370	3420	1640	488	225	590
11	1080	1540	1110	1160	928	517	1160	2890	1710	586	342	568
12	1090	1620	1080	1200	909	500	1060	2370	1530	803	417	564
13	1070	1570	1030	1240	895	478	916	2320	1180	1030	386	587
14	992	1360	990	1190	902	482	922	2000	930	788	247	641
15	916	1340	1000	1130	926	503	954	1830	754	463	140	609
16	826	1300	1040	1140	946	541	1170	1670	728	593	240	636
17	709	1260	1090	1180	982	562	1630	1540	653	526	297	606
18	674	1260	1090	1190	1030	493	1840	1300	415	369	396	561
19	652	1240	1130	1190	974	463	2200	1010	239	169	335	532
20	434	1300	1120	1200	956	629	2920	755	116	169	363	507
21	434	1370	1100	1280	935	1070	2550	537	119	316	390	521
22	396	1330	1070	1280	695	1400	2410	440	173	316	476	630
23	525	1260	1040	1250	540	1290	2200	653	580	358	377	665
24	605	1220	1040	1280	525	1270	2110	1590	513	481	358	730
25	707	1200	1060	1270	531	1380	2160	1770	533	1010	352	732
26	1170	1190	1250	1310	531	1480	2380	1530	457	734	384	684
27	1140	1210	1280	1320	604	1530	3040	1480	286	1360	455	646
28	1290	1220	1260	1340	645	1540	3490	1390	226	1240	457	614
29	1670	1300	1250	1250	---	1570	2980	1280	177	683	436	603
30	1720	1340	1320	1230	---	1510	2760	1440	173	441	462	593
31	1660	---	1350	1210	---	1420	---	1730	---	431	438	---
TOTAL	31670	40000	35270	39500	26387	26797	55972	56185	27162	16729	13277	17319
MEAN	1022	1333	1138	1274	942	864	1866	1812	905	540	428	577
AC-FT	62820	79340	69960	78350	52340	53150	111000	111400	53880	33180	26330	34350
MAX	1720	1620	1350	1460	1340	1570	3490	3420	2100	1360	907	732
MIN	396	1190	990	1130	525	463	916	440	116	169	140	418

CAL YR 1997 TOTAL 482020 MEAN 1321 MAX 11000 MIN 76 AC-FT 956100
WTR YR 1998 TOTAL 386268 MEAN 1058 MAX 3490 MIN 116 AC-FT 766200

MAX DISCH 4046 CFS AT 2200 08-MAY-1998 GH 5.84 FT. SHIFT 0.64 FT. MAX GH 5.84 FT. AT 2200 08-MAY-1998

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. 26; Nov. 12, 24-26; Dec. 1-3, 1997; Jan. 21-23; Mar. 30-31; Apr. 5; June 25; July 25-26; Sep. 3, 1998. Record is complete and reliable, except for the following periods: Oct. 23-24, 1997; Feb. 26; May 19-20, 22; June 17-18, 22, 26-30; July 1-8, 10, 12-14; Aug. 11-19; Sep. 4, 14, 17-18, 21-22, 24-25, 1998 when the lower inlet was plugged. The clock stopped July 2 and was replaced July 9. The problem continued until the recorder was replaced on July 22. This period was plotted using DCP values to help identify problems during this time. Record fair to poor due to unstable channel and plugged inlet problem. Station maintained and record developed by George Sievers.

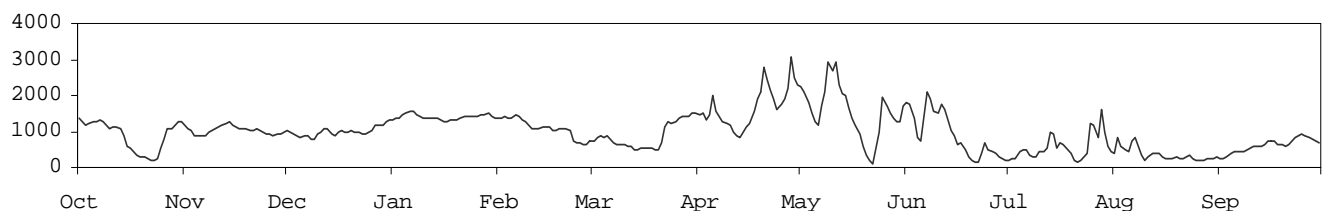
RATING TABLE.--PLABALCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1360	1160	1010	1320	1380	745	1480	2220	1800	212	412	234
2	1290	1090	961	1370	1380	810	1490	2120	1780	247	851	248
3	1160	1010	930	1370	1430	867	1340	1820	1350	252	598	294
4	1200	884	888	1450	1350	837	1460	1490	830	420	494	401
5	1250	872	846	1530	1380	893	1980	1260	750	494	450	424
6	1290	873	882	1570	1470	766	1570	1160	1400	467	727	427
7	1310	863	864	1560	1430	690	1400	1720	2120	337	820	433
8	1290	1000	790	1470	1320	626	1250	2120	1910	283	598	445
9	1190	1020	800	1420	1250	612	1210	2930	1560	309	361	482
10	1050	1060	924	1350	1190	632	1180	2690	1500	438	203	557
11	1100	1110	990	1350	1090	584	982	2950	1740	419	309	583
12	1120	1150	1060	1360	1060	582	867	2300	1630	527	402	586
13	1080	1240	1080	1380	1090	496	807	2070	1340	960	391	590
14	861	1270	916	1390	1100	506	978	2000	1040	923	379	640
15	566	1160	873	1340	1110	527	1100	1670	860	516	307	716
16	524	1120	992	1280	1100	514	1230	1380	658	702	228	748
17	448	1090	1030	1290	1040	551	1540	1180	676	642	267	716
18	364	1050	993	1330	1040	518	1890	910	468	533	268	658
19	317	1050	997	1340	1050	505	2100	595	273	367	299	614
20	276	1020	1010	1340	1070	484	2790	349	194	171	247	604
21	260	1030	1000	1350	1070	705	2440	202	153	167	256	654
22	206	1070	982	1400	1010	1130	2140	114	160	208	299	730
23	209	1040	938	1420	755	1260	1880	538	375	284	319	839
24	245	972	930	1400	686	1230	1630	970	666	387	246	870
25	544	930	962	1430	678	1260	1750	1960	464	1230	219	945
26	781	920	1030	1420	649	1350	1900	1730	447	1180	191	899
27	1060	900	1150	1460	649	1430	2180	1490	370	809	217	834
28	1080	909	1180	1470	731	1420	3090	1380	294	1600	256	783
29	1180	916	1180	1490	---	1430	2490	1290	224	952	253	713
30	1270	1000	1260	1400	---	1500	2310	1260	175	608	252	677
31	1260	---	1310	1380	---	1490	---	1730	---	429	273	---
TOTAL	27141	30779	30758	43430	30558	26950	50454	47598	27207	17073	11392	18344
MEAN	876	1026	992	1401	1091	869	1682	1535	907	551	367	611
AC-FT	53830	61050	61010	86140	60610	53460	100100	94410	53970	33860	22600	36390
MAX	1360	1270	1310	1570	1470	1500	3090	2950	2120	1600	851	945
MIN	206	863	790	1280	649	484	807	114	153	167	191	234
CAL YR 1997 TOTAL		440816	MEAN	1208	MAX	10700	MIN	25	AC-FT	874400		
WTR YR 1998 TOTAL		361684	MEAN	991	MAX	3090	MIN	114	AC-FT	717400		

MAX DISCH 3432 CFS AT 0700 28-APR-1998 GH 4.46 FT. SHIFT 0.43 FT. MAX GH 4.46 FT. AT 0700 28-APR-1998

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.--The DCP data from bridge shaft encoder is primary record for most of this year with manometer chart and associated shaft encoder as backup. Record complete and reliable except for Oct. 1-Nov. 13, 1997 when manometer stopped or not working properly; Nov. 19; Dec. 7, 1997; Mar. 11, 18; May 17, 1998 when DCP values missing and manometer not working; May 21-26, 1998 when shaft encoder float was beached and manometer not working. Record is fair, except for the periods listed above which are estimated. This record is part of combined flow. Station maintained and records developed by Fred Renner.

RATING TABLE.--PLAJURCO18 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	496	575	471	626	777	182	574	749	335	40	430	7.0
2	480	580	502	681	802	173	597	577	437	30	425	5.7
3	500	565	498	667	766	202	586	520	489	20	379	4.8
4	500	550	447	672	742	267	561	501	504	15	327	4.4
5	450	525	411	704	698	318	531	486	486	10	300	4.0
6	417	505	400	716	649	318	511	467	375	7.0	223	3.8
7	575	480	390	770	614	344	630	386	361	6.0	193	4.5
8	614	470	386	791	618	307	580	387	745	5.0	174	5.6
9	550	470	387	778	630	268	528	562	1070	4.8	164	9.4
10	511	500	362	749	643	262	477	816	915	3.6	144	12
11	505	540	380	684	628	235	454	940	811	3.0	125	24
12	622	545	447	667	572	216	462	1020	732	5.4	206	28
13	615	550	450	579	464	237	395	1010	715	5.2	121	25
14	619	544	512	510	349	237	332	837	665	3.2	74	21
15	588	577	526	594	322	220	309	731	561	3.3	61	22
16	503	628	455	631	302	208	303	669	464	2.2	54	24
17	416	601	425	665	300	202	313	575	394	1.5	39	28
18	381	575	462	648	306	210	308	464	325	4.7	28	32
19	331	560	474	647	282	205	358	356	288	6.6	22	39
20	292	559	463	664	245	214	459	267	251	11	11	41
21	271	537	462	655	276	220	532	250	196	6.2	8.4	43
22	257	500	491	660	326	214	640	225	146	6.5	9.4	51
23	208	488	487	652	334	248	643	250	118	10	11	66
24	209	489	467	654	319	408	623	200	92	122	8.2	78
25	225	477	458	651	271	412	581	150	95	130	7.1	92
26	200	489	479	612	236	408	506	250	77	288	6.6	114
27	285	479	511	589	231	413	500	372	77	714	6.9	140
28	410	453	506	611	218	419	493	422	64	606	6.0	147
29	517	461	539	657	---	538	582	424	55	404	5.9	136
30	570	456	585	673	---	557	820	361	46	525	7.0	126
31	575	---	599	707	---	549	---	321	---	587	7.3	---
TOTAL	13692	15728	14432	20564	12920	9211	15188	15545	11889	3586.2	3583.8	1338.2
MEAN	442	524	466	663	461	297	506	501	396	116	116	44.6
AC-FT	27160	31200	28630	40790	25630	18270	30130	30830	23580	7110	7110	2650
MAX	622	628	599	791	802	557	820	1020	1070	714	430	147
MIN	200	453	362	510	218	173	303	150	46	1.5	5.9	3.8
CAL YR 1997 TOTAL	227000.7	MEAN	622	MAX	4680	MIN	3.1	AC-FT	450300			
WTR YR 1998 TOTAL	137677.2	MEAN	377	MAX	1070	MIN	1.5	AC-FT	273100			

MAX DISCH 1175 CFS AT 0815 09-JUN-1998 GH 5.67 FT. SHIFT -0.20 FT. MAX GH 5.67 FT. AT 0815 09-JUN-1998

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. Record is fair due to shift variations and instrument corrections. This record is part of combined flow. Station maintained and records developed by Fred Renner.

RATING TABLE.--ONEJURCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	536	584	565	724	722	450	775	933	679	94	588	49
2	535	596	574	743	711	452	746	834	673	79	557	53
3	535	582	578	757	715	480	722	751	673	63	532	55
4	535	578	566	767	722	552	713	724	667	54	519	53
5	533	567	559	752	743	576	713	706	681	51	510	53
6	530	553	545	737	732	583	713	658	645	48	458	54
7	537	541	563	738	740	618	795	633	628	42	424	55
8	544	536	583	753	740	553	820	635	804	42	402	61
9	557	534	598	728	733	526	788	648	1080	42	441	80
10	552	552	593	706	697	527	744	910	994	41	410	91
11	566	580	580	739	680	518	733	1030	888	38	367	118
12	602	584	586	768	653	502	723	1040	877	43	462	165
13	564	584	603	758	598	516	653	1020	874	41	345	165
14	546	588	619	771	568	509	587	919	853	39	287	160
15	542	583	649	737	560	499	529	831	807	40	270	167
16	532	609	636	750	557	495	503	762	742	38	252	176
17	503	605	625	748	556	494	556	691	704	38	210	204
18	483	617	658	736	550	498	579	643	615	46	141	233
19	469	592	659	765	548	502	616	595	575	46	106	331
20	446	574	653	778	551	505	681	540	548	57	79	394
21	433	575	666	776	571	503	720	476	459	54	68	300
22	421	576	668	772	590	504	824	452	383	47	63	304
23	397	569	658	764	578	521	816	500	347	49	60	350
24	372	581	662	735	562	592	777	407	252	368	59	394
25	381	553	638	733	531	613	775	308	309	411	58	414
26	343	512	619	733	491	606	737	506	208	528	55	441
27	396	507	638	757	525	598	734	665	196	700	53	461
28	443	518	655	765	499	606	743	716	140	688	53	465
29	536	532	674	764	---	633	821	716	111	607	51	467
30	580	560	694	764	---	749	982	716	96	682	49	463
31	584	---	705	759	---	776	---	701	---	672	47	---
TOTAL	15533	17022	19269	23277	17423	17056	21618	21666	17508	5788	7976	6776
MEAN	501	567	622	751	622	550	721	699	584	187	257	226
AC-FT	30810	33760	38220	46170	34560	33830	42880	42970	34730	11480	15820	13440
MAX	602	617	705	778	743	776	982	1040	1080	700	588	467
MIN	343	507	545	706	491	450	503	308	96	38	47	49

CAL YR 1997 TOTAL	151698	MEAN	416	MAX	2210	MIN	N/A	AC-FT	300900
WTR YR 1998 TOTAL	190912	MEAN	523	MAX	1080	MIN	38	AC-FT	378700

MAX DISCH 1099 CFS AT 0500 09-JUN-1998 GH 6.34 FT. SHIFT 0.14 FT. MAX GH 6.34 FT. AT 0500 09-JUN-1998

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.--Record is complete and reliable except for June 29-30, 1998 when the inlet was plugged. Shaft encoder corrections were made in Records program Feb. 2, May 26, June 22, Aug. 27 and Sep. 11, 1998. Record is good. 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-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	151	99	133	174	61	146	231	111	4.7	76	8.0
2	115	151	107	152	185	62	146	171	121	4.3	62	8.3
3	110	139	110	151	190	68	147	150	125	5.6	55	9.3
4	105	126	110	157	172	79	149	138	126	5.5	63	9.6
5	102	117	108	163	165	87	131	125	117	5.4	65	9.2
6	99	113	104	173	155	95	121	123	84	6.5	55	8.7
7	123	108	102	175	154	96	159	93	100	7.1	42	6.0
8	130	107	104	164	161	89	142	97	240	6.7	36	4.9
9	120	105	98	150	166	83	131	151	357	7.8	36	2.7
10	117	114	85	149	175	80	112	246	307	9.5	30	3.6
11	121	123	81	142	172	76	106	276	295	8.6	32	2.2
12	161	133	88	154	158	73	110	299	246	8.2	42	0.69
13	151	141	92	148	129	74	89	286	237	11	19	0.63
14	147	129	107	141	99	71	72	239	210	15	11	0.81
15	132	124	111	155	88	67	66	199	157	18	8.2	0.55
16	108	125	98	157	86	64	69	164	124	14	7.5	0.50
17	88	116	95	153	89	65	74	122	103	16	7.3	0.57
18	77	111	105	147	90	65	76	91	86	14	8.9	0.67
19	68	111	112	142	83	63	90	72	73	16	8.9	1.2
20	63	116	116	143	84	63	118	56	61	17	8.3	2.0
21	59	116	123	150	96	63	147	27	43	17	6.4	2.6
22	58	109	122	158	100	60	204	18	33	19	6.3	3.8
23	54	107	117	169	94	66	182	23	29	22	6.4	6.4
24	53	107	113	180	90	98	162	13	27	25	6.7	8.9
25	53	109	102	179	81	99	145	9.3	27	22	7.4	13
26	49	111	89	178	71	99	129	36	20	60	7.7	20
27	64	111	90	173	75	103	134	98	19	124	7.7	27
28	93	105	94	165	66	116	137	117	15	110	8.2	30
29	118	101	99	152	---	150	166	117	10	77	8.1	29
30	130	98	113	154	---	151	253	102	5.0	100	9.2	27
31	145	---	121	161	---	149	---	100	---	101	8.8	---
TOTAL	3139	3534	3215	4868	3448	2635	3913	3989.3	3508.0	877.9	756.0	247.83
MEAN	101	118	104	157	123	85.0	130	129	117	28.3	24.4	8.26
AC-FT	6230	7010	6380	9660	6840	5230	7760	7910	6960	1740	1500	492
MAX	161	151	123	180	190	151	253	299	357	124	76	30
MIN	49	98	81	133	66	60	66	9.3	5.0	4.3	6.3	0.50

CAL YR 1997 TOTAL 64833.4 MEAN 178 MAX 2610 MIN 1.7 AC-FT 128600
WTR YR 1998 TOTAL 34131.03 MEAN 93.5 MAX 357 MIN 0.50 AC-FT 67700

MAX DISCH 413 CFS AT 2100 09-JUN-1998 GH 3.80 FT. SHIFT 0.31 FT. MAX GH 3.80 FT. AT 2100 09-JUN-1998

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.

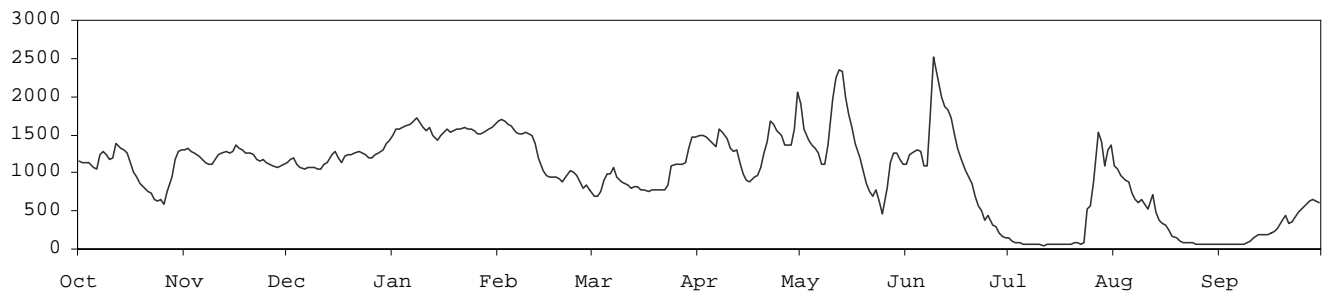
JULESBURG COMBINED

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1160	1310	1140	1480	1670	693	1500	1910	1120	139	1090	64
2	1130	1330	1180	1580	1700	687	1490	1580	1230	113	1040	67
3	1140	1290	1190	1580	1670	750	1460	1420	1290	89	966	69
4	1140	1250	1120	1600	1640	898	1420	1360	1300	74	909	67
5	1080	1210	1080	1620	1610	981	1380	1320	1280	66	875	66
6	1050	1170	1050	1630	1540	996	1340	1250	1100	62	736	66
7	1240	1130	1060	1680	1510	1060	1580	1110	1090	55	659	65
8	1290	1110	1070	1710	1520	949	1540	1120	1790	54	612	71
9	1230	1110	1080	1660	1530	877	1450	1360	2510	55	641	92
10	1180	1170	1040	1600	1520	869	1330	1970	2210	54	584	107
11	1190	1240	1040	1560	1480	829	1290	2250	2000	50	524	144
12	1380	1260	1120	1590	1380	791	1300	2360	1860	57	710	194
13	1330	1280	1140	1480	1190	827	1140	2320	1830	57	485	191
14	1310	1260	1240	1420	1020	817	991	2000	1730	57	372	182
15	1260	1280	1290	1490	970	786	904	1760	1520	61	339	190
16	1140	1360	1190	1540	945	767	875	1600	1330	54	314	200
17	1010	1320	1140	1570	945	761	943	1390	1200	56	256	233
18	941	1300	1220	1530	946	773	963	1200	1030	65	178	266
19	868	1260	1240	1550	913	770	1060	1020	936	69	137	371
20	801	1250	1230	1580	880	782	1260	863	860	85	98	437
21	763	1230	1250	1580	943	786	1400	753	698	77	83	346
22	736	1180	1280	1590	1020	778	1670	695	562	73	79	359
23	659	1160	1260	1580	1010	835	1640	773	494	81	77	422
24	634	1180	1240	1570	971	1100	1560	620	371	515	74	481
25	659	1140	1200	1560	883	1120	1500	467	431	563	72	519
26	592	1110	1190	1520	798	1110	1370	792	305	876	69	575
27	745	1100	1240	1520	831	1110	1370	1140	292	1540	68	628
28	946	1080	1260	1540	783	1140	1370	1260	219	1400	67	642
29	1170	1090	1310	1570	---	1320	1570	1260	176	1090	65	632
30	1280	1110	1390	1590	---	1460	2050	1180	147	1310	65	616
31	1300	---	1420	1630	---	1470	---	1120	---	1360	63	---
TOTAL	32354	36270	36900	48700	33818	28892	40716	41223	32911	10257	12307	8362
MEAN	1044	1209	1190	1571	1208	932	1357	1330	1097	331	397	279
AC-FT	64170	71940	73190	96600	67080	57310	80760	81770	65280	20340	24410	16590
MAX	1380	1360	1420	1710	1700	1470	2050	2360	2510	1540	1090	642
MIN	592	1080	1040	1420	783	687	875	467	147	50	63	64

CAL YR 1997 TOTAL 443433 MEAN 1215 MAX 9500 MIN 46 AC-FT 879500
WTR YR 1998 TOTAL 362710 MEAN 994 MAX 2510 MIN 50 AC-FT 719400

FOR 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. Satellite equipment owned by State of Co.

REMARKS.--No corrections were necessary while the DCP was working, but several periods of missing satellite data had to be filled in from the chart. 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 Robert Cooper.

RATING TABLE.--HSPTUNCO04 USED FROM 01-OCT-1997 TO 30-SEP-1998

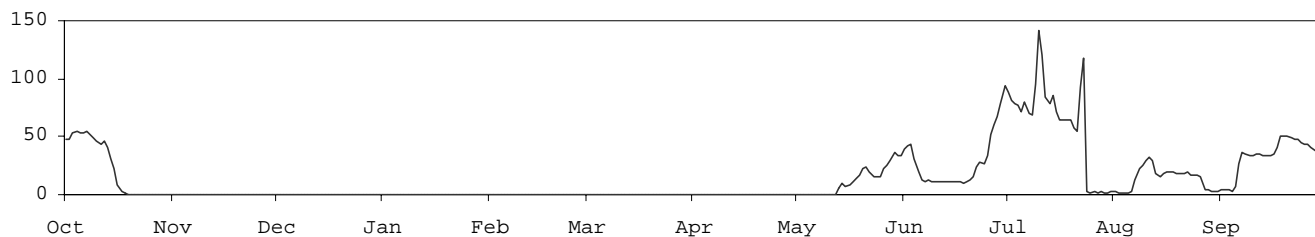
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	89	2.7	4.3
2	48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	81	1.4	3.9
3	53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	78	1.4	3.7
4	54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	77	1.7	3.4
5	53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	72	2.0	7.5
6	53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	80	2.7	27
7	54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	70	12	37
8	52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	68	23	35
9	49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	95	25	33
10	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	142	29	33
11	44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	121	32	35
12	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	84	30	35
13	40	0.0	0.0	0.0	0.0	0.0	0.0	6.1	11	78	18	34
14	31	0.0	0.0	0.0	0.0	0.0	0.0	9.2	11	85	15	34
15	22	0.0	0.0	0.0	0.0	0.0	0.0	7.0	11	72	18	34
16	8.5	0.0	0.0	0.0	0.0	0.0	0.0	8.9	11	64	20	35
17	2.3	0.0	0.0	0.0	0.0	0.0	0.0	11	11	65	20	41
18	1.2	0.0	0.0	0.0	0.0	0.0	0.0	14	10	64	19	51
19	0.67	0.0	0.0	0.0	0.0	0.0	0.0	17	11	64	18	51
20	0.35	0.0	0.0	0.0	0.0	0.0	0.0	22	12	57	18	50
21	0.35	0.0	0.0	0.0	0.0	0.0	0.0	24	15	54	18	49
22	0.31	0.0	0.0	0.0	0.0	0.0	0.0	19	24	92	19	48
23	0.26	0.0	0.0	0.0	0.0	0.0	0.0	16	28	118	17	47
24	0.18	0.0	0.0	0.0	0.0	0.0	0.0	15	26	2.8	17	45
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	34	2.1	17	44
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	52	2.3	15	43
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	60	1.1	3.8	40
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	67	2.3	3.6	38
29	0.0	0.0	0.0	0.0	---	0.0	0.0	36	78	1.7	3.4	37
30	0.0	0.0	0.0	0.0	---	0.0	0.0	34	94	1.6	3.3	34
31	0.0	---	0.0	0.0	---	0.0	---	34	---	2.7	3.5	---
TOTAL	706.12	0.0	0.0	0.0	0.0	0.0	0.0	366.2	819	1886.6	429.5	1012.8
MEAN	22.8	0.0	0.0	0.0	0.0	0.0	0.0	11.8	27.3	60.9	13.9	33.8
AC-FT	1400	0.0	0.0	0.0	0.0	0.0	0.0	726	1620	3740	852	2010
MAX	54	0.0	0.0	0.0	0.0	0.0	0.0	36	94	142	32	51
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	1.1	1.4	3.4

CAL YR 1997 TOTAL 4411.98 MEAN 12.1 MAX 156 MIN 0.00 AC-FT 8750
WTR YR 1998 TOTAL 5220.22 MEAN 14.3 MAX 142 MIN 0.00 AC-FT 10350

MAX DISCH 220 CFS AT 2400 22-JUL-1998 GH 3.28 FT. SHIFT 0.04 FT. MAX GH 3.28 FT. AT 2400 22-JUL-1998

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 with satellite monitoring at a standard 18-inch Parshall Flume with a metal stilling well. Station is owned and maintained by City Of Englewood.

REMARKS.--The primary record is hourly satellite data with chart as backup. From June 8-23, 1998, data used from chart. From June 24 to Aug. 20, 1998, when ditch was shut off, satellite data was used with minimal corrections. Record is good, complete and reliable. Record developed by Robert Cooper.

RATING TABLE.--BORDITCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

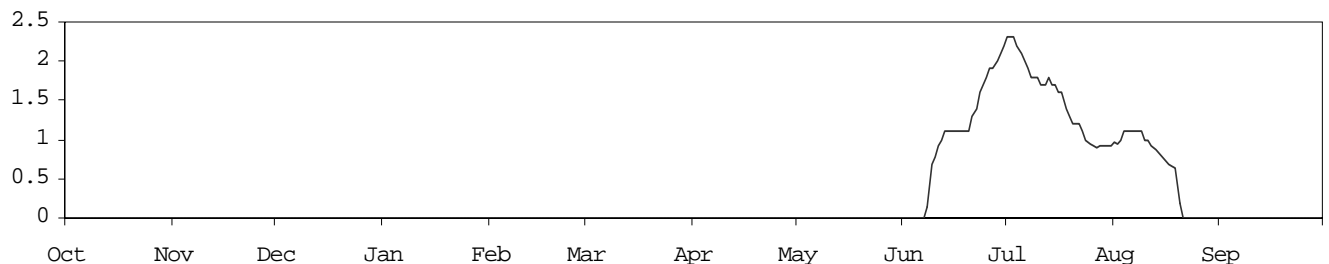
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	2.3	0.96	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.94	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.1	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.1	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.1	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.1	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	1.8	1.1	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.68	1.8	1.1	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.78	1.8	1.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.91	1.7	0.98	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.7	0.93	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.8	0.88	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.7	0.83	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.7	0.77	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.6	0.73	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.6	0.69	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.4	0.67	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.3	0.63	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.2	0.20	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.2	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.2	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.1	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.95	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.93	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.89	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.93	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.1	0.91	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.2	0.91	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.92	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.22	47.12	17.81	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.01	1.52	0.57	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	93	35	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.3	1.1	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	0.0	0.0

CAL YR 1997 TOTAL 138.93 MEAN 0.38 MAX 5.4 MIN 0.00 AC-FT 276
WTR YR 1998 TOTAL 95.15 MEAN 0.26 MAX 2.3 MIN 0.00 AC-FT 189

MAX DISCH 2.4 CFS AT 1300 04-JUL-1998 GH 0.57 FT. SHIFT -0.02 FT. MAX GH 0.57 FT. AT 1300 04-JUL-1998

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 wooden 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-1997 TO 30-SEP-1998

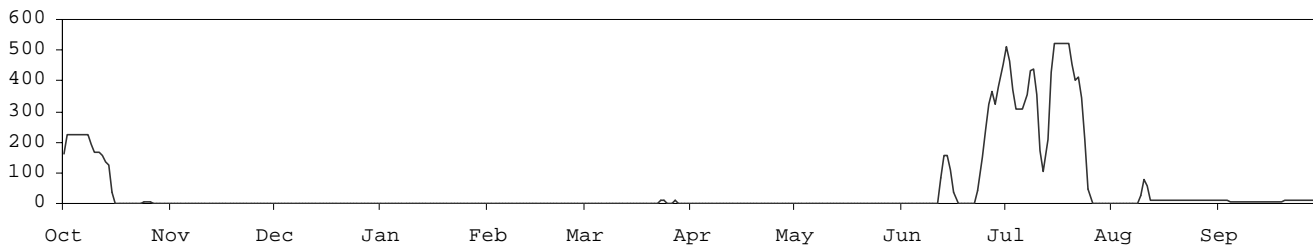
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	511	0.0	8.0
2	222	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	466	0.0	7.9
3	226	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	368	0.0	7.9
4	226	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	308	0.0	7.8
5	226	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	307	0.0	7.8
6	224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	306	0.0	7.8
7	222	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	353	0.0	7.8
8	222	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	432	0.0	7.7
9	193	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	438	25	7.3
10	167	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	354	77	7.3
11	169	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	174	55	7.3
12	157	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81	103	12	7.3
13	138	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158	208	11	7.3
14	126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158	428	11	7.3
15	38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110	520	10	7.3
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	520	11	7.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	521	10	6.8
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	520	9.7	6.8
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	520	9.4	6.8
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	454	9.3	8.5
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	403	8.9	9.4
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	414	8.8	9.4
23	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	41	342	8.8	9.4
24	6.4	0.0	0.0	0.0	0.0	9.5	0.0	0.0	152	211	8.7	9.4
25	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	239	47	8.7	9.2
26	3.3	0.0	0.0	0.0	0.0	1.3	0.0	0.0	322	0.0	8.8	9.0
27	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	363	0.0	8.8	8.9
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	323	0.0	8.8	8.8
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	381	0.0	8.5	8.8
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	454	0.0	8.3	8.8
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	8.3	---
TOTAL	2734.3	0.0	0.0	0.0	0.0	31.8	0.0	0.0	2817	9228	345.8	240.9
MEAN	88.2	0.0	0.0	0.0	0.0	1.03	0.0	0.0	93.9	298	11.2	8.03
AC-FT	5420	0.0	0.0	0.0	0.0	63	0.0	0.0	5590	18300	686	478
MAX	226	0.0	0.0	0.0	0.0	11	0.0	0.0	454	521	77	9.4
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8

CAL YR 1997 TOTAL 21431.7 MEAN 58.7 MAX 506 MIN 0.00 AC-FT 42510
WTR YR 1998 TOTAL 15397.8 MEAN 42.2 MAX 521 MIN 0.00 AC-FT 30540

MAX DISCH 523 CFS AT 1400 14-JUL-1998 GH 3.30 FT. SHIFT 0.03 FT. MAX GH 3.30 FT. AT 1400 14-JUL-1998

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 800 feet from the west end.

REMARKS.--One measurement was made this year. The shift of -.06 was used from measurement made July 22, 1998 and was used entire year. The record is considered fair, due to problems with chart maintenance. Record developed by Rodger Burcher.

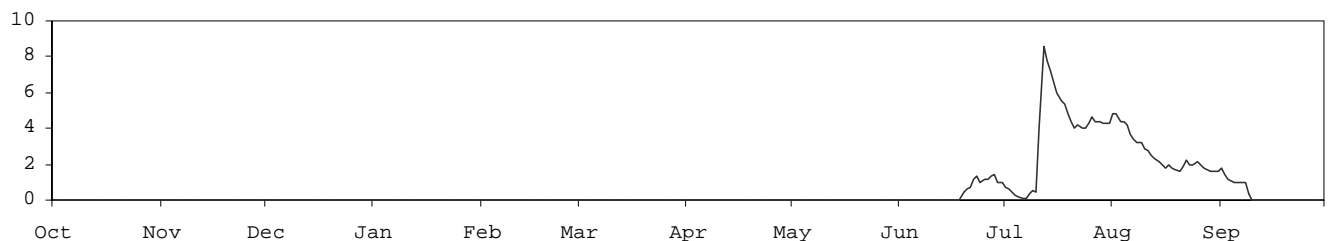
RATING TABLE.--VIDTUNCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
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	0.68	4.8	1.8
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	4.8	1.4
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	4.4	1.2
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	4.4	1.1
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	4.2	1.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.11	3.7	0.96
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	3.4	0.96
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	3.2	0.96
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	3.2	0.38
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	2.9	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.8	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	2.5	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	2.3	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	2.1	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	2.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.8	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	2.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	1.8	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.44	4.8	1.7	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	4.4	1.6	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	4.0	1.9	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	4.2	2.2	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.0	2.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0	2.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	4.3	2.1	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	4.6	2.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.4	1.8	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	4.4	1.7	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.0	4.3	1.6	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.0	4.3	1.6	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	4.3	1.6	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.40	110.98	80.1	9.76
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.41	3.58	2.58	0.33
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	220	159	19
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	8.6	4.8	1.8
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	1.6	0.0
CAL YR 1997 TOTAL		211.50	MEAN	0.58	MAX	7.2	MIN	0.00	AC-FT	420		
WTR YR 1998 TOTAL		213.24	MEAN	0.58	MAX	8.6	MIN	0.00	AC-FT	423		

MAX DISCH 11 CFS AT 1600 11-JUL-1998 GH 0.99 FT. SHIFT -0.06 FT. MAX GH 0.99 FT. AT 1600 11-JUL-1998

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.--The primary record is mean daily gage heights taken from the chart. The record is complete except for June 15-16 when the clock stopped. The record is reliable except for the period July 6-22 when gravel in the channel backed water into the flume. Record is fair except for month of Oct. and flows above 6 cfs which are poor due to submergence. Station maintained and record developed by Rodger Burcher.

RATING TABLE.--BERDITCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

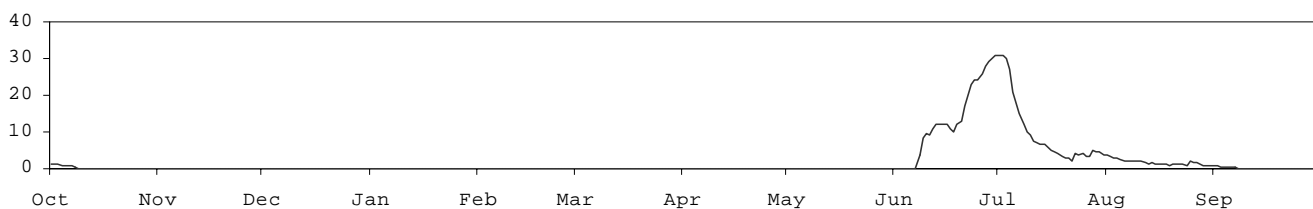
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	3.9	1.0
2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	3.2	0.79
3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	3.1	0.54
4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	3.0	0.39
5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	2.6	0.35
6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	2.1	0.35
7	0.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	2.0	0.30
8	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	12	1.9	0.12
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	10	2.2	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	9.1	2.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	7.3	1.9	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	7.0	1.7	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	6.8	1.4	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	6.6	1.6	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	5.7	1.3	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	4.9	1.2	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	4.5	1.1	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	4.2	1.1	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.4	1.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	2.9	1.2	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	2.9	1.4	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	1.9	1.2	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	4.0	1.1	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	3.7	0.99	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	4.0	2.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	3.5	1.8	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	3.4	1.7	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	4.9	1.2	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	30	4.5	0.92	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	31	4.4	0.79	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	3.9	1.0	---
TOTAL	7.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	387.8	298.5	53.60	3.84
MEAN	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	9.63	1.73	0.13
AC-FT	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	769	592	106	7.6
MAX	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	31	3.9	1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.79	0.0

CAL YR 1997 TOTAL 1314.98 MEAN 3.60 MAX 47 MIN 0.00 AC-FT 2610
WTR YR 1998 TOTAL 751.43 MEAN 2.06 MAX 31 MIN 0.00 AC-FT 1490

MAX DISCH 33 CFS AT 1300 01-JUL-1998 GH 2.45 FT. SHIFT -0.13 FT. MAX GH 2.45 FT. AT 1300 01-JUL-1998

FOR 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 a 15' Parshall 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 primary record is mean GH's taken from chart. Hourly values were entered for the following days: July 16-17, 20, 22, 24, 28, 31; Aug. 1, 3, 10, 14, 17-18, 20-21, 24-26, 28; Sep. 2, 4, 11, 18, 21, 1998. Computed mean GH's on these days may vary slightly from those averaged on the chart. The record is considered good. Station maintained by Denver Water Board and record developed by Rodger Burcher.

RATING TABLE.--APGTUNCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

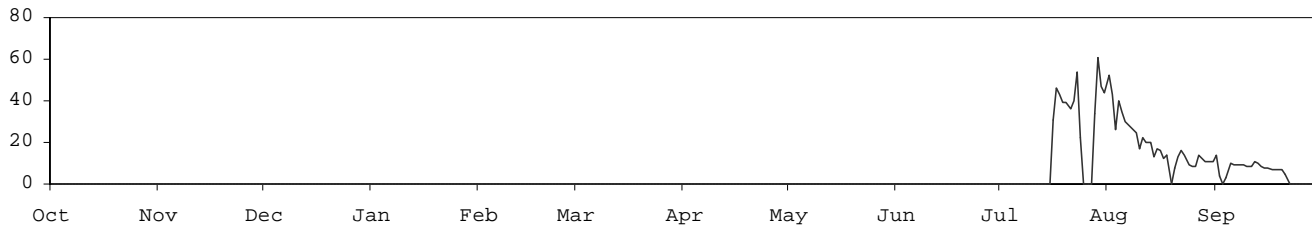
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	52	14
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	3.5
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	2.9
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	9.9
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	9.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	8.9
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	8.9
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	8.9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	8.4
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	8.4
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	11
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	9.9
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	8.4
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	7.9
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	16	7.4
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	12	7.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	14	7.3
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	0.0	7.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	7.7	7.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	13	4.7
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	16	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	14	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	9.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34	12	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	61	11	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	47	11	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	44	11	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	536	591.6	160.8
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	19.1	5.36
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1060	1170	319
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	52	14
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 1997 TOTAL 988.6 MEAN 2.71 MAX 69 MIN 0.00 AC-FT 1960
WTR YR 1998 TOTAL 1288.4 MEAN 3.53 MAX 61 MIN 0.00 AC-FT 2560

MAX DISCH 172 CFS AT 1800 28-JUL-1998 GH 1.84 FT. SHIFT 0.00 FT. MAX GH 1.84 FT. AT 1800 28-JUL-1998

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 except for the following period: Nov. 19, 1997 when chart recorder was not working and DCP missing data. The canal was off on Sep. 22-26, 1998 when Denver Water Board cleaned canal. Record good except for Nov. 19, 1997, which is fair. Station maintained and record developed by Fred Renner.

RATING TABLE.--MOFTUNCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

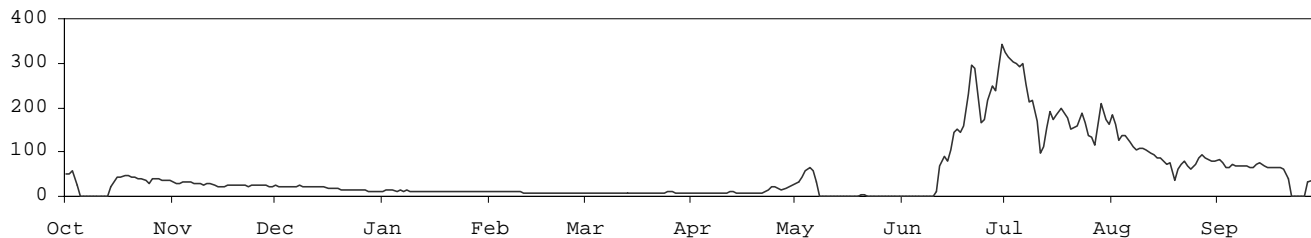
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	33	24	12	9.5	6.3	7.4	28	0.42	326	185	84
2	52	30	23	13	9.2	6.3	7.2	32	0.47	314	161	75
3	56	30	22	13	9.7	6.5	7.8	43	0.44	301	127	65
4	26	33	21	13	9.8	6.7	7.7	58	0.46	298	138	64
5	0.33	31	22	12	9.8	6.4	7.9	65	0.50	292	136	71
6	0.27	31	23	13	9.6	6.4	7.5	56	0.43	300	121	69
7	0.09	30	23	12	9.3	6.4	7.7	32	0.44	251	113	68
8	0.01	30	24	13	9.3	6.4	7.4	1.0	0.43	211	106	67
9	0.13	28	23	12	9.3	6.7	7.4	1.0	0.46	215	108	67
10	0.05	27	23	12	9.1	6.7	7.2	1.1	0.43	170	108	64
11	0.04	29	22	12	8.5	6.0	8.5	1.2	1.1	99	104	64
12	0.22	29	21	12	8.9	5.9	11	1.1	70	111	97	73
13	0.94	26	21	12	8.4	6.1	9.1	1.2	90	154	92	74
14	22	22	21	12	8.2	6.4	8.8	1.2	80	192	85	67
15	33	21	21	12	8.2	6.4	8.2	1.2	106	174	85	64
16	44	23	19	12	8.4	6.8	8.3	1.3	144	184	79	64
17	45	25	17	11	8.2	6.6	8.1	1.2	153	199	73	64
18	48	25	17	11	8.1	5.8	7.9	1.1	145	187	76	66
19	46	25	17	12	7.9	6.3	7.8	1.1	158	175	37	64
20	44	25	16	11	7.2	6.3	8.2	1.9	231	152	62	63
21	44	25	15	11	7.6	6.0	8.2	1.9	297	156	73	39
22	41	24	15	11	7.5	6.6	9.8	0.64	289	157	78	0.0
23	40	23	15	11	7.6	7.0	15	0.64	228	186	68	0.0
24	35	24	14	11	7.5	8.1	21	0.66	167	166	60	0.0
25	28	24	14	11	7.4	9.4	21	0.64	172	137	72	0.0
26	38	24	13	11	6.9	9.2	17	0.64	216	134	86	0.0
27	39	25	13	11	6.5	8.3	16	0.57	249	117	94	32
28	38	25	12	11	6.4	7.9	18	0.48	238	163	85	36
29	37	23	12	10	---	7.4	21	0.47	291	208	82	37
30	37	23	12	9.9	---	6.7	26	0.44	342	174	80	46
31	36	---	12	9.8	---	6.8	---	0.47	---	161	79	---
TOTAL	881.07	793	567	359.7	234.0	210.8	334.1	337.15	3681.49	6064	2950	1547
MEAN	28.4	26.4	18.3	11.6	8.36	6.80	11.1	10.9	123	196	95.2	51.6
AC-FT	1750	1570	1120	713	464	418	663	669	7300	12030	5850	3070
MAX	56	33	24	13	9.8	9.4	26	65	342	326	185	84
MIN	0.01	21	12	9.8	6.4	5.8	7.2	0.44	0.42	99	37	0.0

CAL YR 1997 TOTAL 24892.55 MEAN 68.2 MAX 532 MIN 0.00 AC-FT 49370
WTR YR 1998 TOTAL 17959.31 MEAN 49.2 MAX 342 MIN 0.00 AC-FT 35620

MAX DISCH 416 CFS AT 2100 28-JUL-1998 GH 3.44 FT. SHIFT -0.01 FT. MAX GH 3.44 FT. AT 2100 28-JUL-1998

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.

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 5-Jul. 15, 1998, approximately 560 acre-feet of Wind River water was included at the gage at the 15' Parshall flume. This record minus the 560 acre-feet 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-1997 TO 30-SEP-1998

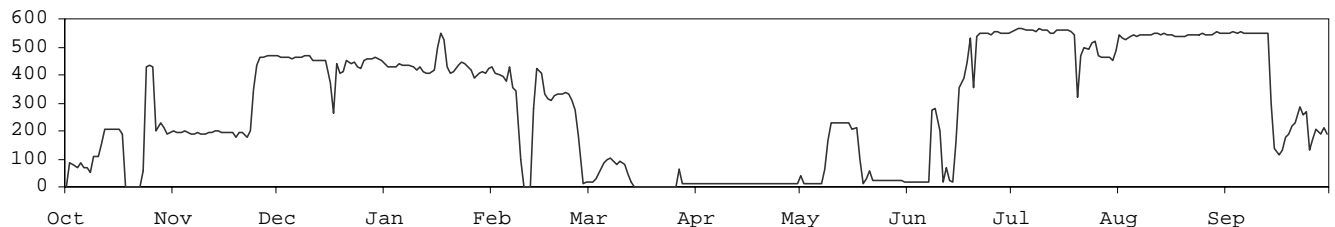
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	200	468	438	428	16	13	42	15	556	542	550
2	88	194	464	429	408	16	13	9.6	15	558	533	550
3	81	194	463	427	399	27	13	9.8	16	567	526	552
4	71	198	462	430	397	50	13	10	16	563	540	550
5	84	194	460	442	376	87	13	10	16	559	542	554
6	69	189	462	436	426	100	13	10	16	561	539	551
7	69	189	462	437	352	103	13	10	16	558	543	551
8	52	194	465	436	343	93	13	65	274	556	545	547
9	111	191	469	426	99	78	13	163	282	563	545	549
10	111	188	466	416	0.40	94	13	227	198	559	545	546
11	155	196	453	427	0.32	82	12	227	17	562	548	546
12	204	194	453	414	0.30	48	12	228	67	548	546	547
13	204	200	454	407	281	16	12	229	22	551	544	548
14	204	199	453	407	422	0.04	13	231	18	559	546	300
15	205	195	452	415	407	0.0	13	230	161	558	542	135
16	203	194	372	497	334	0.0	13	205	353	560	541	115
17	190	195	262	546	313	0.0	13	211	386	560	539	132
18	1.5	193	440	523	308	0.0	13	99	447	556	540	178
19	0.75	175	407	427	327	0.0	13	10	532	542	540	189
20	0.78	197	414	403	332	0.79	13	26	352	319	540	215
21	0.75	196	453	409	333	1.7	13	57	537	468	541	229
22	0.75	179	439	434	335	1.6	9.1	21	546	498	543	287
23	55	198	446	445	330	1.6	14	23	546	491	541	257
24	429	347	429	440	307	1.6	14	23	546	514	541	268
25	434	434	423	430	275	1.8	14	23	544	522	547	131
26	429	463	451	419	184	0.13	14	23	554	471	545	174
27	199	464	459	391	13	63	14	23	552	463	543	203
28	226	471	459	408	16	10	14	23	550	463	544	186
29	211	471	461	409	---	13	14	23	548	464	552	213
30	190	469	455	408	---	13	14	23	548	452	551	188
31	193	---	453	422	---	13	---	16	---	485	550	---
TOTAL	4471.53	7561	13729	13398	7746.02	931.26	391.1	2530.4	8690	16206	16824	10541
MEAN	144	252	443	432	277	30.0	13.0	81.6	290	523	543	351
AC-FT	8870	15000	27230	26570	15360	1850	776	5020	17240	32140	33370	20910
MAX	434	471	469	546	428	103	14	231	554	567	552	554
MIN	0.0	175	262	391	0.30	0.0	9.1	9.6	15	319	526	115

CAL YR 1997 TOTAL 117305.96 MEAN 321 MAX 561 MIN 0.00 AC-FT 232700
WTR YR 1998 TOTAL 103019.31 MEAN 282 MAX 567 MIN 0.00 AC-FT 204300

MAX DISCH 585 CFS AT 0815 09-JUL-1998 GH 4.25 FT. SHIFT 0.00 FT. MAX GH 4.25 FT. AT 0815 09-JUL-1998

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 station was opened and the equipment was installed on May 19, 1998. May 13-19, 1998 data based on Water Commissioner record. Ice affected record on May 20-21, when ice in flume. Satellite data used from May 26-June 2, 1998 when no chart record. The record is good except for the estimated and ice days of May 13-21, 1998. The record was prepared by Susan Smolnik and George Sievers. Station maintained by George Sievers.

RATING TABLE.--GRNDRDCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

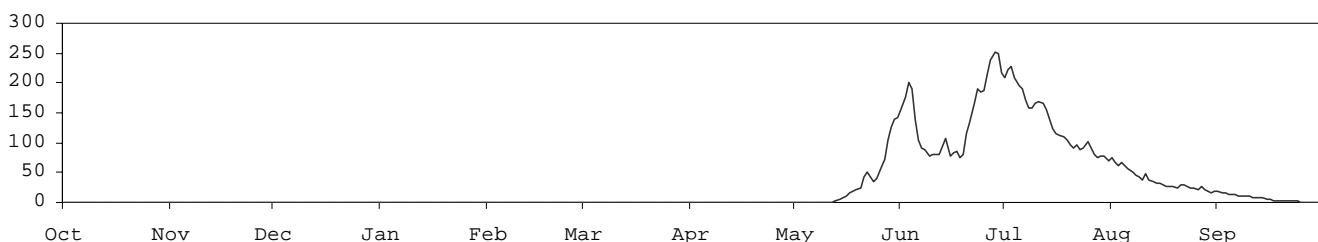
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	156	208	75	19
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178	221	68	16
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	202	227	62	15
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	189	210	66	14
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	139	195	62	14
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104	191	56	13
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90	171	51	12
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89	157	46	11
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	157	43	11
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80	166	37	11
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81	170	47	7.8
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80	165	38	7.7
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	95	156	35	7.9
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	108	139	33	7.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	79	122	33	6.4
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	82	114	29	6.6
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	86	113	28	3.8
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	75	110	28	3.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	81	105	28	2.8
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	114	97	25	2.7
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	133	91	30	2.8
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	167	96	29	2.3
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	190	88	26	3.2
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34	185	91	24	2.3
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	188	103	23	0.19
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	215	91	22	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71	239	81	26	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	253	74	22	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	127	250	79	20	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	138	217	77	16	0.0
31	0.0	---	0.0	0.0	---	0.0	---	141	---	70	18	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	952.0	4224	4135	1146	202.49
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.7	141	133	37.0	6.75
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1890	8380	8200	2270	402
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	141	253	227	75	19
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75	70	16	0.0

CAL YR 1997 TOTAL 9042.63 MEAN 24.8 MAX 200 MIN 0.00 AC-FT 17940
WTR YR 1998 TOTAL 10659.49 MEAN 29.2 MAX 253 MIN 0.00 AC-FT 21140

MAX DISCH 292 CFS AT 2015 28-JUN-1998 GH 3.50 FT. SHIFT 0.00 FT. MAX GH 3.50 FT. AT 2015 28-JUN-1998

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.

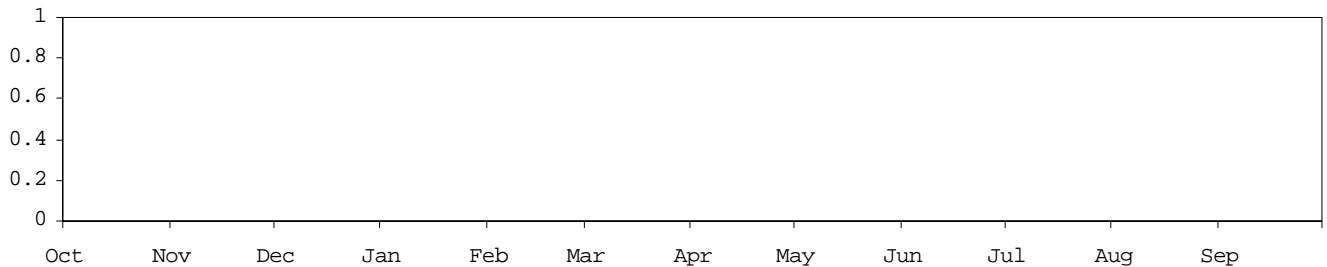
REMARKS.--No water run in WY 1998. Station maintained and record developed by George Sievers and George Varra.

RATING TABLE.--CAPDCPC001 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
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 1997 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		
WTR YR 1998 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.



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. Floware flow meter used in winter.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 12-31, 1997 no record. Chart was off and Floware not started. The flow is considered zero during this period. May 29, 1998 partial record day when switch was made back to charts. Aug. 21-22, 1998 clock stopped. The record is good except for May 29, Aug. 20-21, which are poor, and Nov. 1, 1997-May 28, 1998 which is estimated. Station maintained and record developed by George Sievers and George Varra.

RATING TABLE.--MICDCPC002 USED FROM 01-OCT-1997 TO 30-SEP-1998

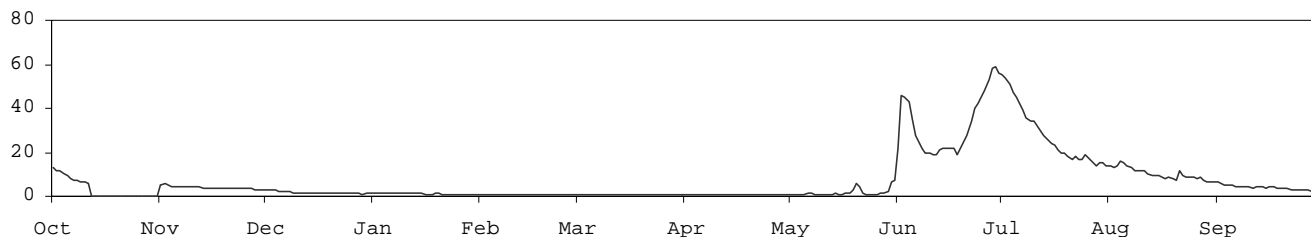
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	5.2	3.0	1.2	0.93	0.62	0.56	0.94	22	55	14	6.5
2	12	6.1	3.0	1.2	0.92	0.61	0.62	0.95	46	54	13	5.9
3	12	4.9	2.9	1.2	0.89	0.64	0.58	0.97	45	51	14	5.4
4	10	4.6	2.7	1.2	0.94	0.65	0.66	1.0	43	47	16	5.1
5	9.2	4.4	2.5	1.1	0.83	0.62	0.65	1.0	35	45	15	4.9
6	8.2	4.3	2.4	1.1	0.86	0.64	0.61	1.2	28	42	14	4.6
7	7.3	4.4	2.5	1.1	0.85	0.60	0.57	1.1	25	39	13	4.4
8	7.0	4.4	2.2	1.2	0.90	0.59	0.54	0.96	22	36	12	4.1
9	6.8	4.3	1.7	1.1	0.86	0.62	0.52	0.72	20	34	12	4.1
10	6.2	4.2	1.7	1.1	0.83	0.69	0.53	0.81	20	34	12	4.1
11	5.9	4.4	1.6	1.1	0.83	0.77	0.68	0.91	19	32	12	3.9
12	0.0	4.1	1.6	1.1	0.81	0.84	0.78	0.72	19	30	10	4.1
13	0.0	4.0	1.6	1.1	0.80	0.85	0.66	0.89	21	28	9.8	4.4
14	0.0	3.6	1.6	1.1	0.84	0.86	0.77	1.1	22	26	9.5	4.1
15	0.0	4.0	1.6	1.1	0.86	0.90	0.72	0.85	22	24	9.2	3.9
16	0.0	3.9	1.5	1.0	0.81	0.90	0.71	0.81	22	23	8.6	4.1
17	0.0	4.0	1.6	0.99	0.78	0.88	0.69	1.2	22	21	8.2	4.1
18	0.0	3.9	1.6	0.99	0.74	0.83	0.64	1.7	19	20	8.9	3.9
19	0.0	3.9	1.4	1.1	0.79	0.73	0.66	3.0	22	20	7.9	3.7
20	0.0	3.7	1.4	1.1	0.81	0.75	0.62	5.6	25	18	7.6	3.7
21	0.0	3.8	1.5	1.0	0.81	0.77	0.68	4.2	28	17	12	3.4
22	0.0	3.6	1.4	0.99	0.81	0.75	0.77	1.1	34	18	9.2	3.0
23	0.0	3.5	1.4	0.99	0.75	0.66	0.86	1.0	40	17	8.9	3.2
24	0.0	3.4	1.4	1.0	0.88	0.72	0.99	0.87	42	17	8.6	3.0
25	0.0	3.4	1.3	1.0	0.77	0.75	0.97	0.81	45	19	8.6	2.8
26	0.0	3.4	1.1	0.99	0.77	0.72	0.89	0.92	48	17	7.9	2.6
27	0.0	3.5	1.3	0.98	0.72	0.66	0.85	1.3	53	15	8.6	2.6
28	0.0	3.1	1.2	0.98	0.65	0.63	0.84	1.2	58	14	7.3	2.4
29	0.0	3.0	1.0	0.99	---	0.61	0.87	2.4	59	15	6.8	2.4
30	0.0	3.0	1.1	1.0	---	0.57	0.89	6.2	56	15	6.5	2.4
31	0.0	---	1.2	0.99	---	0.54	---	7.3	---	14	6.8	---
TOTAL	97.6	120.0	54.0	33.09	23.04	21.97	21.38	53.73	982	857	317.9	116.8
MEAN	3.15	4.00	1.74	1.07	0.82	0.71	0.71	1.73	32.7	27.6	10.3	3.89
AC-FT	194	238	107	66	46	44	42	107	1950	1700	631	232
MAX	13	6.1	3.0	1.2	0.94	0.90	0.99	7.3	59	55	16	6.5
MIN	0.0	3.0	1.0	0.98	0.65	0.54	0.52	0.72	19	14	6.5	2.4

CAL YR 1997 TOTAL 3216.88 MEAN 8.81 MAX 60 MIN 0.00 AC-FT 6380
WTR YR 1998 TOTAL 2698.51 MEAN 7.39 MAX 59 MIN 0.00 AC-FT 5350

MAX DISCH 66 CFS AT 1900 28-JUN-1998 GH 1.57 FT. SHIFT 0.00 FT. MAX GH 1.57 FT. AT 1900 28-JUN-1998

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.

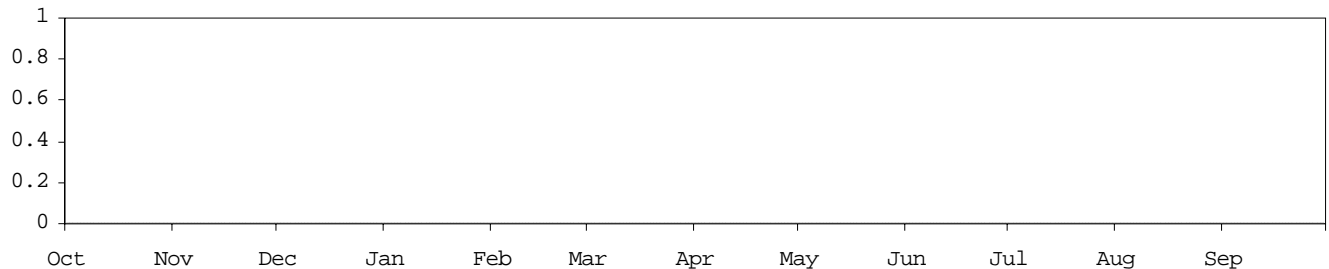
REMARKS.--No water run in WY 1998. Station maintained and record developed by George Sievers.

RATING TABLE.--SKYDCLCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
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 1997 TOTAL			0 MEAN	0.00 MAX		0.00 MIN		0.00 AC-FT		0.00		
WTR YR 1998 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.



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. Record is good. Water was diverted from May 14-28; June 2-8, 12-Aug. 22, 1998. Station maintained and record developed by George Sievers and George Varra.

RATING TABLE.--LAPTUNCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

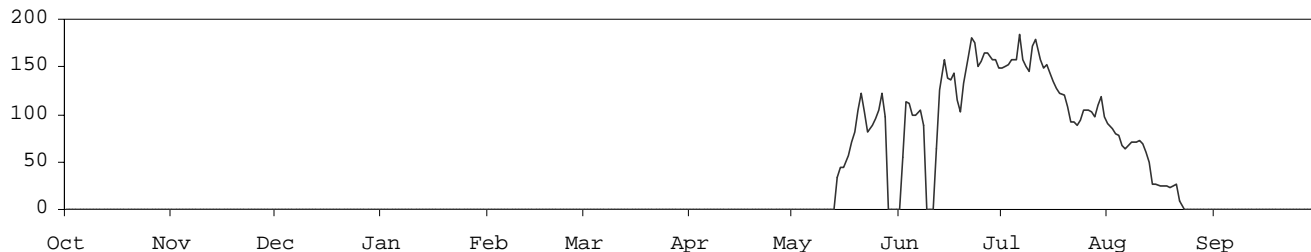
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	149	91	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	150	85	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114	152	80	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111	158	78	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99	158	68	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	184	63	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	157	68	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88	151	70	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	70	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	171	72	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179	69	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	157	61	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125	149	50	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	157	153	26	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	138	143	26	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	136	134	24	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	143	128	25	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70	115	123	24	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82	103	120	23	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	133	108	25	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	122	161	92	26	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	180	92	9.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82	175	88	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89	150	94	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95	155	105	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	165	105	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	123	164	102	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98	158	98	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	158	109	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	149	119	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	97	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1252	3399	4070	1133.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.4	113	131	36.5	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2480	6740	8070	2250	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	123	180	184	91	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88	0.0	0.0

CAL YR 1997 TOTAL 7243.9 MEAN 19.8 MAX 199 MIN 0.00 AC-FT 14370
WTR YR 1998 TOTAL 9854.0 MEAN 27.0 MAX 184 MIN 0.00 AC-FT 19550

MAX DISCH 226 CFS AT 1845 06-JUL-1998 GH 2.98 FT. SHIFT 0.00 FT. MAX GH 2.98 FT. AT 1845 06-JUL-1998

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



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

BOB CREEK DITCH NEAR GLENDEVEY, CO

LOCATION.--NESWNW, sec. 3, 9 N., 75 W.

GAGE.--Weekly chart recorder at 3' Parshall flume with metal shelter, staff gage, and well.

REMARKS.--This is the first year since 1956 that water has been run. Water was run from May 12-June 22, 1998. Record is complete but not as reliable as it could have been, due to following reasons. Accessibility to gage is very difficult and few visits were made during use. The recorder was set on an odd scale and was confusing to person changing charts and gage heights were not well referenced. Data logger is being considered for next year along with better preparation. Record is considered poor due to difficulties with the recorder design and calibration. Record developed by George Sievers.

RATING TABLE.--BOBGLNCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

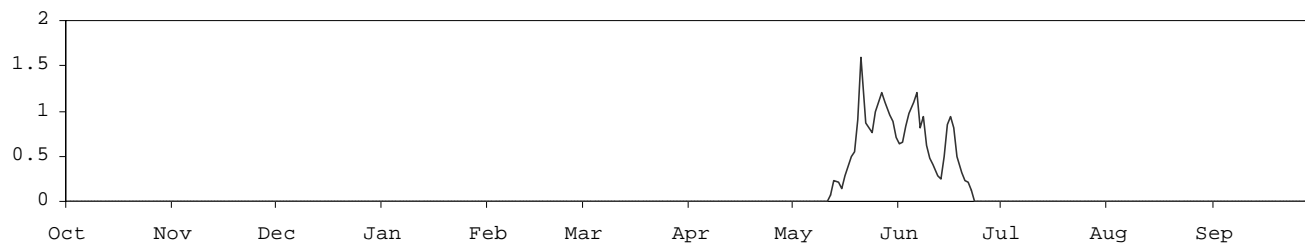
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	0.64	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.98	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.81	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.41	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.28	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.25	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.49	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.85	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.93	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.82	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.50	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.32	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.23	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.21	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.87	0.13	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.81	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.96	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.89	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.71	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.27	13.66	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.46	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	27	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.2	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 1997 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1998 TOTAL 27.93 MEAN 0.08 MAX 1.6 MIN 0.00 AC-FT 55

MAX DISCH 2.8 CFS AT 1700 21-MAY-1998 GH 0.39 FT. SHIFT 0.00 FT. MAX GH 0.39 FT. AT 1700 21-MAY-1998

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. Staff is used to reference gage.

REMARKS.--Primary record is from chart. Record is complete and reliable except June 24-27, 1998 when the clock stopped. Missing record was estimated using observed pen range and diurnal patterns from other record. Record is good, except for June 24-27 which was estimated. Station maintained and record developed by George Sievers.

RATING TABLE.--DEADDP001 USED FROM 01-OCT-1997 TO 30-SEP-1998

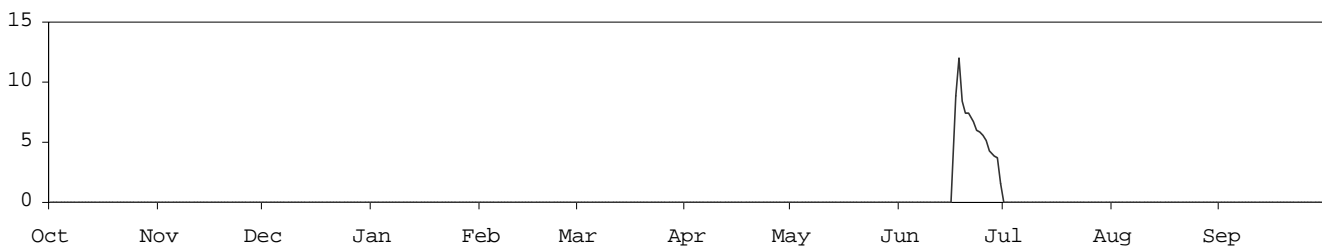
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	8.9	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.7	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.6	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	86.9	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.90	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	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 1997 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1998 TOTAL 86.9 MEAN 0.24 MAX 12 MIN 0.00 AC-FT 172

MAX DISCH 18 CFS AT 1900 17-JUN-1998 GH 0.85 FT. SHIFT 0.00 FT. MAX GH 0.85 FT. AT 1900 17-JUN-1998

FOR 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. Gage is referenced with an IG drop tape.

REMARKS.--Record is complete and reliable. Satellite is primary record with chart as back up. Water was run from May 7-July 1, 1998. Record is good. Station maintained and record developed by George Sievers.

RATING TABLE.--WSDEARCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

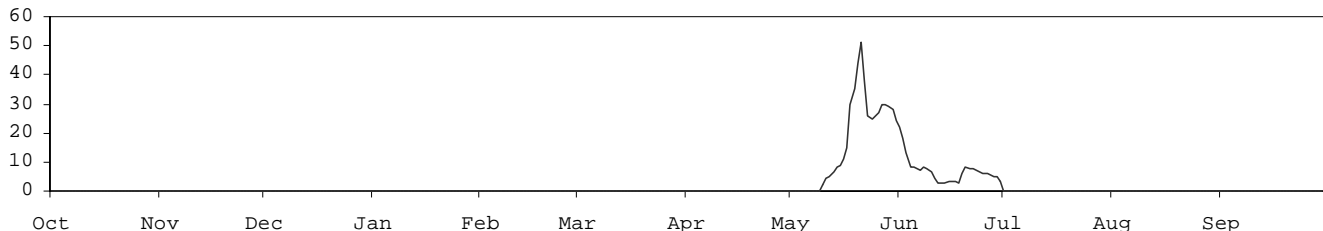
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	22	0.26	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.5	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.5	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	2.9	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	2.7	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	3.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	3.4	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.1	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	3.1	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	2.7	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	5.9	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	8.1	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	7.8	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	7.5	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	7.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	6.6	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	6.3	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	5.8	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	5.5	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	5.2	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	29	5.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	28	3.3	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	24	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	503.8	206.6	0.26	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	6.89	0.01	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	999	410	0.52	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	22	0.26	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0

CAL YR 1997 TOTAL 983.5 MEAN 2.69 MAX 95 MIN 0.00 AC-FT 1950
WTR YR 1998 TOTAL 710.66 MEAN 1.95 MAX 51 MIN 0.00 AC-FT 1410

MAX DISCH 74 CFS AT 1900 21-MAY-1998 GH 1.48 FT. SHIFT 0.00 FT. MAX GH 1.48 FT. AT 1900 21-MAY-1998

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: Apr. 14-21, 1998, when recorder was not placed in gage. Water was run Oct. 1-29, 1997; Apr. 14-Sep. 30, 1998. Record is good except for Apr. 14-21, 1998 period, which is fair. Station maintained by Pioneer Ditch Company. Record developed by Fred Renner.

RATING TABLE.--PIOHDGCO04 USED FROM 01-OCT-1997 TO 30-SEP-1998

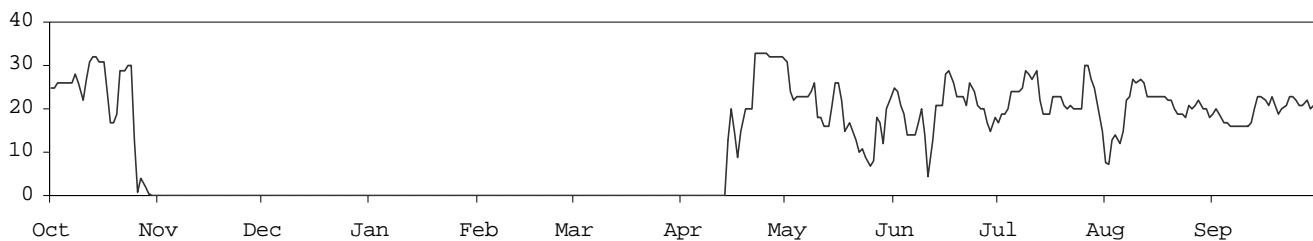
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	0.0	0.0	0.0	0.0	0.0	0.0	31	25	17	7.5	19
2	25	0.0	0.0	0.0	0.0	0.0	0.0	24	24	19	7.3	20
3	26	0.0	0.0	0.0	0.0	0.0	0.0	22	21	19	13	19
4	26	0.0	0.0	0.0	0.0	0.0	0.0	23	19	20	14	17
5	26	0.0	0.0	0.0	0.0	0.0	0.0	23	14	24	12	17
6	26	0.0	0.0	0.0	0.0	0.0	0.0	23	14	24	15	16
7	26	0.0	0.0	0.0	0.0	0.0	0.0	23	14	24	22	16
8	28	0.0	0.0	0.0	0.0	0.0	0.0	24	17	25	23	16
9	26	0.0	0.0	0.0	0.0	0.0	0.0	26	20	29	27	16
10	22	0.0	0.0	0.0	0.0	0.0	0.0	18	14	28	26	16
11	27	0.0	0.0	0.0	0.0	0.0	0.0	18	4.6	27	27	16
12	31	0.0	0.0	0.0	0.0	0.0	0.0	16	13	29	26	17
13	32	0.0	0.0	0.0	0.0	0.0	0.0	16	21	22	23	20
14	32	0.0	0.0	0.0	0.0	0.0	13	21	21	19	23	23
15	31	0.0	0.0	0.0	0.0	0.0	20	26	21	19	23	23
16	31	0.0	0.0	0.0	0.0	0.0	15	26	28	19	23	22
17	24	0.0	0.0	0.0	0.0	0.0	9.0	22	29	23	23	21
18	17	0.0	0.0	0.0	0.0	0.0	15	15	26	23	23	23
19	17	0.0	0.0	0.0	0.0	0.0	20	17	23	23	22	21
20	19	0.0	0.0	0.0	0.0	0.0	20	15	23	21	22	19
21	29	0.0	0.0	0.0	0.0	0.0	20	13	23	20	20	20
22	29	0.0	0.0	0.0	0.0	0.0	33	10	21	21	19	21
23	30	0.0	0.0	0.0	0.0	0.0	33	11	26	20	19	23
24	30	0.0	0.0	0.0	0.0	0.0	33	8.7	24	20	18	23
25	13	0.0	0.0	0.0	0.0	0.0	33	6.9	21	20	21	22
26	1.0	0.0	0.0	0.0	0.0	0.0	32	8.1	20	30	20	21
27	4.0	0.0	0.0	0.0	0.0	0.0	32	18	20	30	21	21
28	1.9	0.0	0.0	0.0	0.0	0.0	32	17	17	27	22	22
29	0.35	0.0	0.0	0.0	---	0.0	32	12	15	25	20	20
30	0.0	0.0	0.0	0.0	---	0.0	32	20	18	19	20	21
31	0.0	---	0.0	0.0	---	0.0	---	23	---	15	18	---
TOTAL	655.25	0.0	0.0	0.0	0.0	0.0	424.0	576.7	596.6	701	619.8	591
MEAN	21.1	0.0	0.0	0.0	0.0	0.0	14.1	18.6	19.9	22.6	20.0	19.7
AC-FT	1300	0.0	0.0	0.0	0.0	0.0	841	1140	1180	1390	1230	1170
MAX	32	0.0	0.0	0.0	0.0	0.0	33	31	29	30	27	23
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	4.6	15	7.3	16

CAL YR 1997 TOTAL 3686.95 MEAN 10.1 MAX 42 MIN 0.00 AC-FT 7310
WTR YR 1998 TOTAL 4164.35 MEAN 11.4 MAX 33 MIN 0.00 AC-FT 8260

MAX DISCH 41 CFS AT 0800 09-MAY-1998 GH 1.72 FT. SHIFT 0.01 FT. MAX GH 1.72 FT. AT 0800 09-MAY-1998

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 which are poor, due to missing record and submergence problems: Oct. 1-29, 1997; Apr. 14-28; May 9, 27-June 28; Aug. 12-13, 16, 19, 1998. The peak discharge is also considered an estimate as it occurred during a period of submergence. Record developed by Fred Renner.

RATING TABLE.--PIOSTLCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

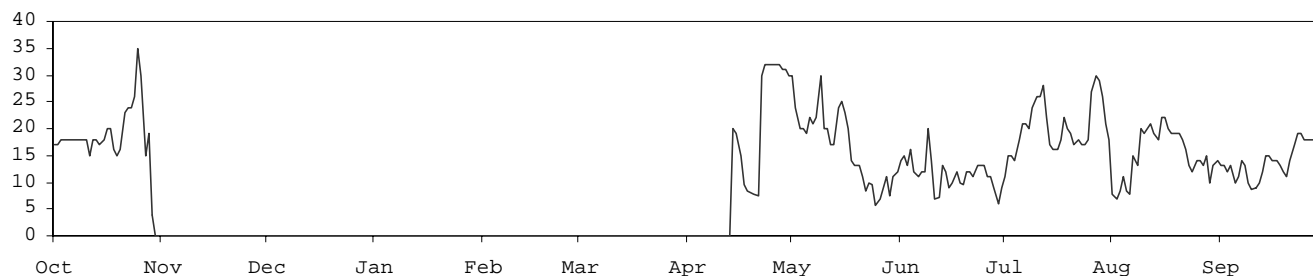
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	0.0	0.0	0.0	0.0	0.0	0.0	30	14	11	7.7	13
2	17	0.0	0.0	0.0	0.0	0.0	0.0	24	15	15	7.0	13
3	18	0.0	0.0	0.0	0.0	0.0	0.0	20	13	15	8.3	12
4	18	0.0	0.0	0.0	0.0	0.0	0.0	20	16	14	11	13
5	18	0.0	0.0	0.0	0.0	0.0	0.0	19	12	18	8.3	10
6	18	0.0	0.0	0.0	0.0	0.0	0.0	22	11	21	7.8	11
7	18	0.0	0.0	0.0	0.0	0.0	0.0	21	12	21	15	14
8	18	0.0	0.0	0.0	0.0	0.0	0.0	22	12	20	13	13
9	18	0.0	0.0	0.0	0.0	0.0	0.0	30	20	24	20	10
10	18	0.0	0.0	0.0	0.0	0.0	0.0	20	14	26	19	8.8
11	15	0.0	0.0	0.0	0.0	0.0	0.0	20	6.9	26	20	9.1
12	18	0.0	0.0	0.0	0.0	0.0	0.0	17	7.3	28	21	10
13	18	0.0	0.0	0.0	0.0	0.0	0.0	17	13	22	19	12
14	17	0.0	0.0	0.0	0.0	0.0	20	24	12	17	18	15
15	18	0.0	0.0	0.0	0.0	0.0	19	25	9.1	16	22	15
16	20	0.0	0.0	0.0	0.0	0.0	15	23	10	16	22	14
17	20	0.0	0.0	0.0	0.0	0.0	9.5	20	12	18	20	14
18	16	0.0	0.0	0.0	0.0	0.0	8.5	14	10	22	19	13
19	15	0.0	0.0	0.0	0.0	0.0	8.0	13	9.7	20	19	12
20	16	0.0	0.0	0.0	0.0	0.0	7.8	13	12	19	19	11
21	23	0.0	0.0	0.0	0.0	0.0	7.4	11	12	17	18	14
22	24	0.0	0.0	0.0	0.0	0.0	30	8.5	11	18	16	17
23	24	0.0	0.0	0.0	0.0	0.0	32	10	13	17	13	19
24	26	0.0	0.0	0.0	0.0	0.0	32	9.7	13	17	12	19
25	35	0.0	0.0	0.0	0.0	0.0	32	5.8	13	18	14	18
26	30	0.0	0.0	0.0	0.0	0.0	32	6.9	11	27	14	18
27	15	0.0	0.0	0.0	0.0	0.0	32	8.9	11	30	13	18
28	19	0.0	0.0	0.0	0.0	0.0	31	11	8.9	29	15	18
29	3.9	0.0	0.0	0.0	---	0.0	31	7.4	5.9	26	10	17
30	0.0	0.0	0.0	0.0	---	0.0	30	11	8.9	21	13	15
31	0.0	---	0.0	0.0	---	0.0	---	12	---	18	14	---
TOTAL	550.9	0.0	0.0	0.0	0.0	0.0	377.2	516.2	348.7	627	468.1	415.9
MEAN	17.8	0.0	0.0	0.0	0.0	0.0	12.6	16.7	11.6	20.2	15.1	13.9
AC-FT	1090	0.0	0.0	0.0	0.0	0.0	748	1020	692	1240	928	825
MAX	35	0.0	0.0	0.0	0.0	0.0	32	30	20	30	22	19
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.9	11	7.0	8.8

CAL YR 1997 TOTAL 2848.68 MEAN 7.80 MAX 38 MIN 0.00 AC-FT 5650
WTR YR 1998 TOTAL 3304.0 MEAN 9.05 MAX 35 MIN 0.00 AC-FT 6550

MAX DISCH 46 CFS AT 1600 25-OCT-1997 GH 2.69 FT. SHIFT -0.74 FT. MAX GH 2.69 FT. AT 1600 25-OCT-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. Record good. Station maintained and record developed by Div. II Staff.

RATING TABLE.--LFCBSLCO04 USED FROM 01-OCT-1997 TO 30-SEP-1998

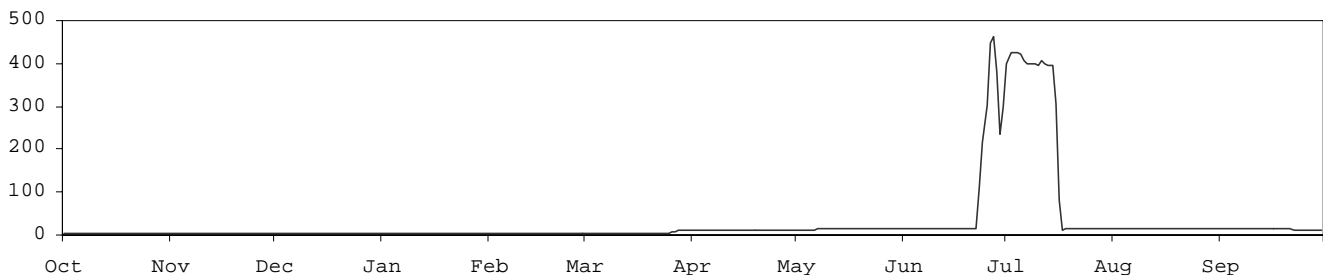
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	3.7	3.7	3.7	3.7	3.4	10	10	15	401	14	15
2	4.0	3.7	3.7	3.7	3.7	3.4	10	10	15	425	14	15
3	4.0	3.7	3.7	3.7	3.7	3.4	10	10	14	427	14	15
4	4.0	3.7	3.7	3.7	3.7	3.4	10	10	14	427	14	15
5	4.0	3.7	3.7	3.7	3.7	3.4	10	11	14	421	14	15
6	4.0	3.7	3.7	3.7	3.7	3.4	10	12	14	407	15	15
7	3.9	3.7	3.7	3.7	3.7	3.4	10	14	14	400	15	15
8	4.0	3.7	3.7	3.7	3.7	3.4	10	14	14	399	15	15
9	4.0	3.7	3.7	3.7	3.7	3.4	10	14	14	398	15	15
10	4.0	3.7	3.7	3.7	3.7	3.4	10	14	14	396	15	15
11	4.0	3.7	3.6	3.7	3.7	3.4	10	14	14	405	14	15
12	4.0	3.7	3.4	3.7	3.7	3.4	10	14	14	398	14	15
13	4.0	3.7	3.4	3.7	3.7	3.4	10	14	15	397	14	15
14	4.0	3.7	3.4	3.7	3.7	3.4	10	14	15	395	14	15
15	4.0	3.7	3.4	3.7	3.7	3.4	10	14	15	305	14	15
16	3.7	3.7	3.4	3.7	3.7	3.4	10	14	15	81	14	15
17	3.7	3.7	3.4	3.7	3.7	3.4	10	14	15	13	14	15
18	3.7	3.7	3.4	3.7	3.7	3.4	10	14	15	14	14	15
19	3.7	3.7	3.5	3.7	3.5	3.4	10	14	15	14	14	15
20	3.7	3.7	3.6	3.7	3.4	3.4	10	14	16	14	14	16
21	3.7	3.7	3.7	3.7	3.4	3.4	10	14	16	14	14	14
22	3.8	3.7	3.7	3.7	3.4	3.4	10	14	16	14	14	13
23	3.8	3.7	3.7	3.7	3.4	3.5	10	14	110	15	14	13
24	3.7	3.7	3.7	3.4	3.4	4.4	10	14	218	15	14	13
25	3.7	3.7	3.7	3.5	3.4	5.0	10	14	304	15	14	13
26	3.7	3.7	3.7	3.5	3.4	5.9	10	14	446	15	14	13
27	3.7	3.7	3.7	3.6	3.4	8.9	10	14	462	14	14	13
28	3.7	3.7	3.7	3.7	3.4	10	10	14	382	14	15	13
29	3.7	3.7	3.7	3.7	---	10	10	14	234	14	15	12
30	3.7	3.7	3.7	3.7	---	10	10	14	297	14	15	11
31	3.7	---	3.7	3.7	---	10	---	15	---	14	15	---
TOTAL	119.3	111.0	112.2	113.9	100.7	142.5	300	414	2776	6295	443	429
MEAN	3.85	3.70	3.62	3.67	3.60	4.60	10.0	13.4	92.5	203	14.3	14.3
AC-FT	237	220	223	226	200	283	595	821	5510	12490	879	851
MAX	4.0	3.7	3.7	3.7	3.7	10	10	15	462	427	15	16
MIN	3.7	3.7	3.4	3.4	3.4	3.4	10	10	14	13	14	11

CAL YR 1997 TOTAL 5307.4 MEAN 14.5 MAX 280 MIN 2.9 AC-FT 10530
WTR YR 1998 TOTAL 11356.6 MEAN 31.1 MAX 462 MIN 3.4 AC-FT 22530

MAX DISCH 525 CFS AT 1015 28-JUN-1998 GH 2.21 FT. SHIFT 0.04 FT. MAX GH 2.21 FT. AT 1015 28-JUN-1998

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. 14, 1997-Apr. 15, 1998 when the station was closed for the winter; Oct. 26-27; Nov. 2-14, 1997; Apr. 17-May 8, 1998 when the stilling well was frozen. 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.

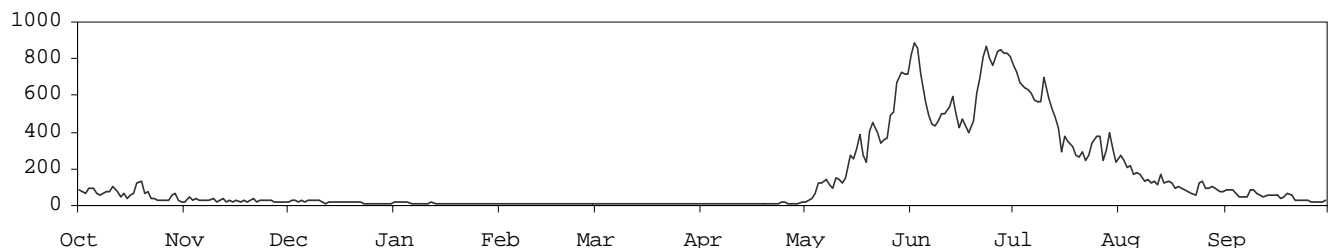
RATING TABLE.--LAKATLCO19 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	22	20	16	11	9.0	9.3	21	818	765	270	85
2	80	43	26	21	10	9.2	9.3	27	885	729	246	88
3	68	32	25	21	10	9.4	9.3	38	856	672	211	82
4	97	34	22	20	10	9.8	10	66	718	646	215	65
5	90	25	32	16	10	9.8	11	127	564	635	167	46
6	66	24	20	10	11	9.8	12	126	490	614	175	43
7	58	33	28	11	11	9.6	13	137	443	577	170	43
8	70	30	32	12	11	9.4	13	110	435	562	128	86
9	76	34	31	13	10	9.7	12	97	463	565	139	81
10	77	23	26	14	9.8	9.5	12	154	498	698	123	68
11	103	26	23	14	9.4	9.8	12	137	499	585	133	53
12	72	34	14	15	9.4	10	13	120	535	526	116	51
13	45	23	16	14	9.8	10	13	152	593	484	169	60
14	63	26	19	14	11	11	12	271	499	420	119	55
15	41	23	18	13	11	11	12	251	425	294	134	52
16	59	26	16	12	11	12	10	307	471	374	121	54
17	70	18	17	12	11	11	10	384	430	346	95	34
18	119	28	17	12	10	10	8.4	278	398	318	106	46
19	128	22	17	13	10	9.5	8.0	233	466	272	94	66
20	68	26	16	12	9.7	9.0	7.6	406	615	268	87	55
21	80	41	16	11	9.5	9.5	7.4	452	702	292	77	31
22	42	23	15	10	9.6	10	9.2	400	812	242	64	26
23	40	24	14	10	10	11	14	343	866	276	60	27
24	28	24	13	10	10	12	18	360	799	342	124	26
25	30	25	12	10	11	13	19	368	768	381	128	24
26	33	24	11	11	11	12	14	486	842	374	96	23
27	32	23	12	11	10	11	12	505	853	248	91	23
28	57	22	12	12	9.0	11	11	669	830	301	103	23
29	69	21	12	12	---	10	11	729	834	394	91	23
30	26	20	13	12	---	9.7	16	713	815	313	73	24
31	19	---	13	12	---	9.4	---	715	---	236	73	---
TOTAL	1993	799	578	406	286.2	317.1	348.5	9182	19222	13749	3998	1463
MEAN	64.3	26.6	18.6	13.1	10.2	10.2	11.6	296	641	444	129	48.8
AC-FT	3950	1580	1150	805	568	629	691	18210	38130	27270	7930	2900
MAX	128	43	32	21	11	13	19	729	885	765	270	88
MIN	19	18	11	10	9.0	9.0	7.4	21	398	236	60	23
CAL YR 1997 TOTAL	68556.5	MEAN	188	MAX	1740	MIN	8.4	AC-FT	136000			
WTR YR 1998 TOTAL	52341.8	MEAN	143	MAX	885	MIN	7.4	AC-FT	103800			

MAX DISCH 1132 CFS AT 2230 02-JUN-1998 GH 4.09 FT. SHIFT -0.40 FT. MAX GH 4.09 FT. AT 2230 02-JUN-1998

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 fair. Station maintained and record developed by Div. II Staff.

RATING TABLE.--LAKBTLCO07 USED FROM 01-OCT-1997 TO 30-SEP-1998

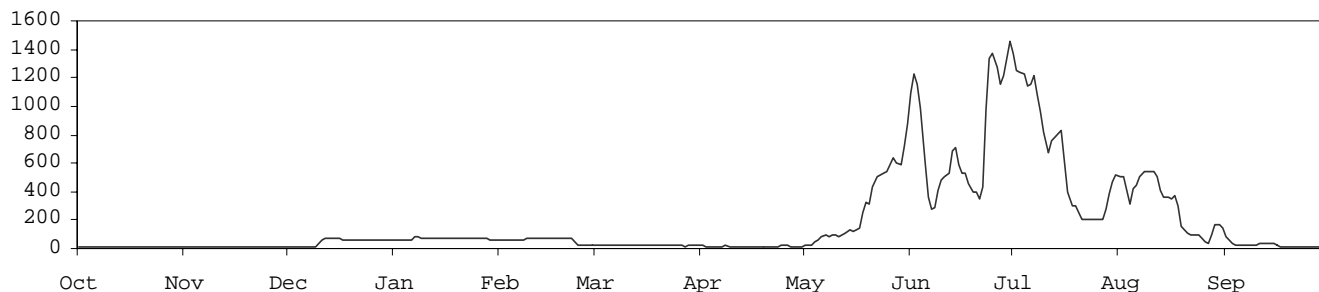
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	14	15	65	65	23	19	20	1090	1370	509	90
2	13	14	15	65	65	23	14	20	1230	1250	510	59
3	13	14	15	65	65	23	14	20	1150	1240	405	35
4	13	14	15	65	65	24	14	43	982	1230	308	27
5	13	14	15	65	65	24	14	66	607	1140	420	27
6	13	14	15	65	65	23	14	87	365	1160	451	27
7	14	15	15	82	65	23	14	91	279	1210	502	27
8	14	15	15	81	65	23	19	86	286	1080	544	26
9	14	15	15	76	70	23	18	94	405	966	542	26
10	14	15	40	75	75	24	14	94	478	820	541	26
11	14	15	64	75	75	24	14	90	505	673	543	31
12	14	15	67	75	75	22	14	95	526	762	500	36
13	14	15	67	74	75	22	14	106	680	779	408	36
14	14	16	67	74	75	22	14	129	712	811	356	36
15	14	16	67	74	75	22	14	123	589	832	355	36
16	14	16	67	74	75	22	14	128	534	609	354	29
17	14	16	64	74	74	22	14	145	532	396	368	17
18	14	16	63	74	74	23	14	251	461	299	295	12
19	14	16	65	74	74	22	14	319	395	303	152	12
20	14	16	65	74	73	22	14	310	397	251	127	12
21	14	16	65	74	74	22	15	431	352	200	113	12
22	14	16	65	74	73	22	15	507	432	201	96	12
23	14	16	65	74	48	22	16	521	975	201	97	12
24	14	15	65	74	23	22	19	527	1340	203	97	12
25	14	14	65	74	23	22	19	539	1370	204	75	12
26	14	14	65	70	25	19	19	590	1270	205	46	12
27	14	15	65	70	24	17	17	632	1160	205	36	12
28	14	15	65	67	23	23	14	602	1220	281	102	12
29	14	15	65	65	---	23	14	584	1340	379	165	12
30	14	15	65	65	---	23	16	724	1450	466	165	13
31	14	---	65	65	---	23	---	875	---	517	140	---
TOTAL	429	452	1546	2218	1723	694	458	8849	23112	20243	9322	748
MEAN	13.8	15.1	49.9	71.5	61.5	22.4	15.3	285	770	653	301	24.9
AC-FT	851	897	3070	4400	3420	1380	908	17550	45840	40150	18490	1480
MAX	14	16	67	82	75	24	19	875	1450	1370	544	90
MIN	13	14	15	65	23	17	14	20	279	200	36	12

CAL YR 1997 TOTAL 95749 MEAN 262 MAX 1510 MIN 13 AC-FT 189900
WTR YR 1998 TOTAL 69794 MEAN 191 MAX 1450 MIN 12 AC-FT 138400

MAX DISCH 1485 CFS AT 2045 30-JUN-1998 GH 4.99 FT. SHIFT 0.00 FT. MAX GH 4.99 FT. AT 2045 30-JUN-1998

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: Nov. 15-19, 21-25, 29-30; Dec. 1, 3-12, 14-29, 31, 1997; Jan. 5, 7-10, 13-15, 19, 21, 24, 26-31; Feb. 1-3, 8, 10-13, 17-23, 26-28; Mar. 1-3, 8-15, 18-21, 23-24, 30-31; Apr. 1, 3, 1998 when stage-discharge relationship was affected by ice. Also, Dec. 11-15, 22, 24-26, 28, 29, 1997; Feb. 10-12, 17, 19-20, 26-28; Mar. 1-2, 8, 1998 when intakes may have been frozen. 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-1997 TO 30-SEP-1998

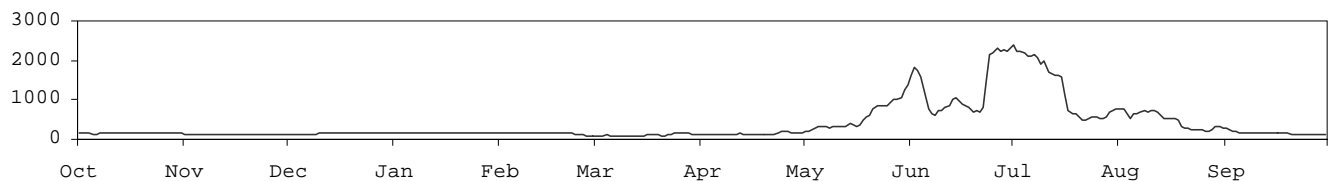
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	139	125	163	150	91	112	203	1620	2390	779	266
2	148	132	124	165	153	94	115	212	1840	2250	770	244
3	155	129	121	164	153	98	102	230	1750	2230	664	202
4	148	137	126	160	155	102	117	269	1570	2190	547	184
5	139	132	127	152	154	100	119	316	1110	2110	644	164
6	139	132	122	162	155	100	118	324	779	2100	646	155
7	142	134	122	168	150	101	113	309	636	2150	672	153
8	154	132	121	162	151	87	117	282	624	2070	711	150
9	150	138	123	156	157	97	115	305	732	1920	708	151
10	152	135	146	156	158	97	114	306	732	1970	712	152
11	150	136	177	168	157	100	131	333	820	1710	722	151
12	153	138	179	167	158	93	145	336	834	1680	696	162
13	150	139	173	160	166	91	141	344	1020	1630	588	170
14	156	132	170	160	166	95	136	404	1070	1610	537	166
15	159	127	168	164	166	100	128	383	963	1580	542	166
16	150	127	170	168	167	110	127	343	875	1130	525	165
17	150	128	176	165	162	113	118	373	861	744	526	159
18	145	130	164	161	162	108	116	480	796	642	470	149
19	142	130	159	160	167	107	110	587	692	630	326	142
20	142	131	159	171	160	96	115	602	724	578	297	139
21	145	129	156	168	165	99	121	768	708	492	282	138
22	142	130	152	172	158	106	136	870	802	470	260	139
23	142	130	147	157	140	130	166	836	1490	522	255	139
24	150	126	148	161	107	150	194	832	2160	573	251	138
25	150	123	144	164	104	177	196	833	2190	560	241	130
26	142	122	142	163	97	161	183	926	2300	547	214	127
27	142	124	143	167	94	150	167	1000	2230	539	200	122
28	142	125	148	167	91	151	166	1030	2270	553	252	121
29	142	121	155	152	---	137	169	1070	2220	695	314	123
30	148	125	164	156	---	118	181	1240	2320	713	310	133
31	145	---	154	151	---	118	---	1390	---	752	290	---
TOTAL	4564	3913	4605	5030	4123	3477	4088	17736	38738	39730	14951	4700
MEAN	147	130	149	162	147	112	136	572	1291	1282	482	157
AC-FT	9050	7760	9130	9980	8180	6900	8110	35180	76840	78800	29660	9320
MAX	159	139	179	172	167	177	196	1390	2320	2390	779	266
MIN	139	121	121	151	91	87	102	203	624	470	200	121

CAL YR 1997 TOTAL 191028 MEAN 523 MAX 2670 MIN 121 AC-FT 378900
WTR YR 1998 TOTAL 145655 MEAN 399 MAX 2390 MIN 87 AC-FT 288900

MAX DISCH 2504 CFS AT 0400 01-JUL-1998 GH 5.44 FT. SHIFT 0.17 FT. MAX GH 5.44 FT. AT 0400 01-JUL-1998

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: Nov. 14, 1997-Apr. 1, 1998 when the station was closed for the winter; Oct. 26-28; Nov. 2-3, 10, 12-13, 1997; Apr. 3, 9, 16-17, 19, 1998, when stage-discharge relationship was affected by ice. Record good, except that for periods of no gage-height record and ice effect, which are poor. Station maintained and record developed by L.R. Schultz.

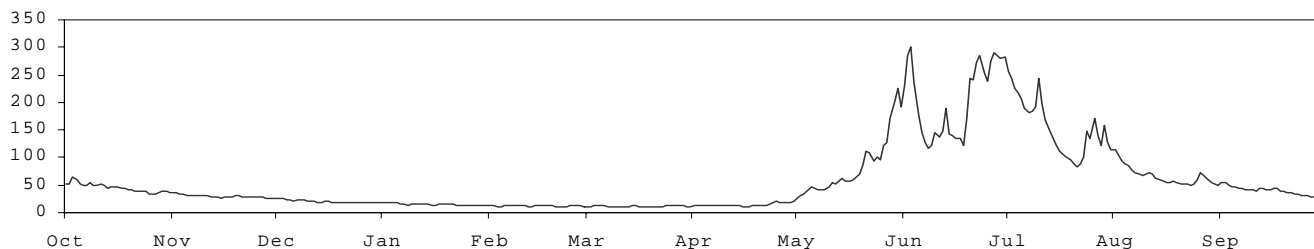
RATING TABLE.--CCACCRC014 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	36	27	18	12	11	12	26	227	257	114	54
2	51	36	26	19	12	11	13	30	285	243	103	54
3	65	35	25	18	11	12	13	34	300	225	94	50
4	59	33	24	18	11	12	14	42	235	218	88	47
5	53	32	23	17	12	12	14	47	177	207	86	46
6	50	32	22	16	12	12	13	44	144	190	78	44
7	49	31	23	15	12	11	12	41	126	182	73	43
8	54	31	24	14	13	10	12	41	116	185	70	42
9	49	31	23	15	13	10	12	41	121	191	68	42
10	49	30	22	15	12	11	12	46	144	244	70	41
11	51	30	21	15	12	11	13	54	138	198	72	40
12	50	29	20	16	11	11	14	52	149	169	70	43
13	45	29	19	16	11	11	13	56	190	147	63	45
14	46	28	19	15	12	12	13	61	143	134	60	42
15	47	27	20	14	12	12	11	56	140	122	58	41
16	46	28	20	14	12	11	11	56	136	112	55	44
17	44	29	19	15	12	11	11	60	135	107	55	43
18	43	29	19	15	12	11	12	66	121	101	57	40
19	42	30	18	15	12	11	12	69	171	96	54	38
20	41	30	18	16	11	11	12	86	244	87	52	37
21	40	29	18	15	11	11	13	112	240	83	53	36
22	39	28	18	14	11	11	13	109	271	89	51	34
23	39	28	18	13	11	11	15	94	285	100	49	34
24	40	29	18	13	12	12	18	102	255	148	52	32
25	35	29	17	14	12	12	20	95	239	136	59	30
26	35	28	17	14	12	12	19	122	275	171	73	30
27	34	28	17	13	12	12	17	128	290	140	65	29
28	37	27	18	13	11	12	18	172	285	123	59	29
29	38	27	18	12	---	12	18	203	281	157	54	29
30	38	27	18	13	---	11	21	225	282	127	51	30
31	37	---	19	13	---	11	---	193	---	115	50	---
TOTAL	1397	896	628	463	329	351	421	2563	6145	4804	2056	1189
MEAN	45.1	29.9	20.3	14.9	11.8	11.3	14.0	82.7	205	155	66.3	39.6
AC-FT	2770	1780	1250	918	653	696	835	5080	12190	9530	4080	2360
MAX	65	36	27	19	13	12	21	225	300	257	114	54
MIN	34	27	17	12	11	10	11	26	116	83	49	29
CAL YR 1997 TOTAL	31968.8		MEAN	87.6	MAX	667	MIN	8.8	AC-FT	63410		
WTR YR 1998 TOTAL	21242		MEAN	58.2	MAX	300	MIN	10	AC-FT	42130		

MAX DISCH 389 CFS AT 0015 03-JUN-1998 GH 4.41 FT. SHIFT -0.03 FT. MAX GH 4.41 FT. AT 0015 03-JUN-1998

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 except for the following periods: Nov. 15, 1997-Apr. 10, 1998, when the well was frozen; June 2-4, 1998 when the chart ran out. During some periods of missing record, the Caretakers record of in/outflow was used. Record good, except during periods of ice affect, which is considered poor. Station maintained and record developed by Div. II Staff.

RATING TABLE.--CCBCCR004 USED FROM 01-OCT-1997 TO 30-SEP-1998

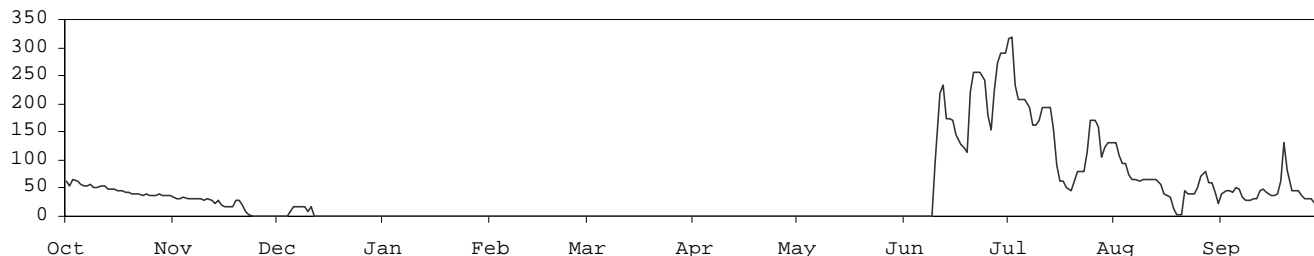
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	35	0.26	0.19	0.15	0.21	0.30	0.46	0.98	317	132	39
2	55	32	0.26	0.19	0.15	0.22	0.29	0.46	1.0	319	107	45
3	65	31	0.26	0.19	0.15	0.22	0.28	0.46	1.1	233	95	45
4	63	34	0.26	0.18	0.16	0.23	0.27	0.46	1.1	209	95	42
5	57	32	8.4	0.18	0.16	0.23	0.26	0.48	1.2	207	74	52
6	54	31	18	0.18	0.16	0.24	0.25	0.48	1.2	207	65	49
7	53	32	18	0.18	0.16	0.24	0.24	0.48	1.2	194	65	34
8	56	30	18	0.17	0.17	0.25	0.23	0.51	1.2	161	64	29
9	52	31	18	0.17	0.17	0.25	0.22	0.51	1.3	161	65	29
10	51	29	9.0	0.17	0.17	0.26	0.21	0.54	96	171	65	30
11	53	30	16	0.17	0.17	0.26	0.21	0.51	219	193	65	30
12	53	29	0.26	0.17	0.17	0.27	0.21	0.51	233	193	65	46
13	47	23	0.26	0.16	0.18	0.27	0.26	0.51	173	193	65	49
14	47	28	0.25	0.16	0.18	0.28	0.31	0.51	173	153	56	43
15	48	21	0.25	0.16	0.18	0.28	0.31	0.54	171	90	39	36
16	46	18	0.25	0.15	0.18	0.29	0.31	0.54	145	64	37	38
17	45	18	0.24	0.15	0.18	0.29	0.36	0.54	128	63	33	41
18	44	18	0.23	0.15	0.18	0.30	0.36	0.54	121	50	15	62
19	43	29	0.23	0.15	0.18	0.30	0.41	0.57	115	46	2.6	132
20	41	29	0.23	0.14	0.18	0.31	0.41	0.57	223	63	2.6	83
21	40	20	0.23	0.14	0.19	0.32	0.41	0.60	255	81	45	45
22	39	7.8	0.23	0.14	0.19	0.32	0.41	0.60	255	81	40	45
23	38	1.6	0.22	0.14	0.19	0.33	0.46	0.64	255	81	40	45
24	39	0.26	0.22	0.14	0.20	0.34	0.46	0.67	243	113	41	36
25	37	0.26	0.21	0.14	0.20	0.35	0.46	0.67	178	171	50	32
26	36	0.26	0.21	0.14	0.20	0.35	0.46	0.74	153	171	71	32
27	38	0.26	0.21	0.14	0.21	0.36	0.46	0.74	225	160	79	32
28	39	0.26	0.21	0.15	0.21	0.35	0.46	0.74	274	104	60	20
29	38	0.26	0.20	0.15	---	0.34	0.46	0.78	289	121	60	13
30	38	0.26	0.20	0.15	---	0.32	0.46	0.86	289	132	42	19
31	37	---	0.20	0.15	---	0.31	---	0.98	---	132	23	---
TOTAL	1454	591.22	110.98	4.94	4.97	8.89	10.18	18.23	4223.28	4634	1758.2	1273
MEAN	46.9	19.7	3.58	0.16	0.18	0.29	0.34	0.59	141	149	56.7	42.4
AC-FT	2880	1170	220	9.8	9.9	18	20	36	8380	9190	3490	2520
MAX	65	35	18	0.19	0.21	0.36	0.46	0.98	289	319	132	132
MIN	36	0.26	0.20	0.14	0.15	0.21	0.21	0.46	0.98	46	2.6	13

CAL YR 1997 TOTAL 34170.90 MEAN 93.6 MAX 341 MIN 0.20 AC-FT 67780
WTR YR 1998 TOTAL 14091.89 MEAN 38.6 MAX 319 MIN 0.14 AC-FT 27950

MAX DISCH 336 CFS AT 1200 01-JUL-1998 GH 3.00 FT. SHIFT 0.00 FT. MAX GH 3.00 FT. AT 1200 01-JUL-1998

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: Nov. 22-23, 30; Dec. 4-7, 10-17, 19, 21-29, 1997; Jan. 7-10, 15, 21-24; Feb. 1-2, 10-13, 19-21, 24, 26-28; Mar. 1-2, 8-12, 19-21, 30, 1998, 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 personnel.

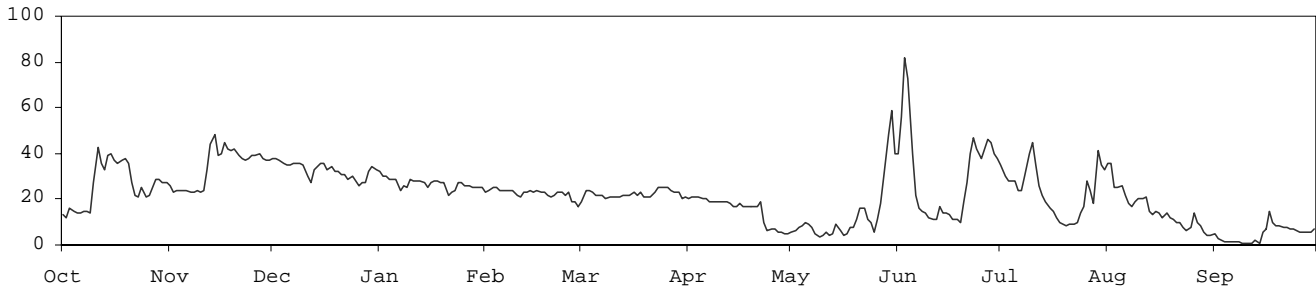
RATING TABLE.--COCRBVCO04 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	26	38	32	23	19	20	5.6	40	35	36	5.0
2	12	23	38	30	24	24	21	6.4	56	30	36	2.9
3	16	24	37	30	25	24	21	7.5	82	28	25	1.8
4	15	24	36	29	25	23	21	8.7	73	28	25	1.7
5	14	24	35	29	24	22	20	9.7	40	28	26	1.3
6	14	24	35	29	24	22	20	9.0	22	24	22	1.4
7	15	23	36	24	24	22	19	7.4	16	24	18	1.2
8	15	23	36	26	24	20	19	4.8	15	30	17	1.1
9	14	24	36	25	24	21	19	3.7	14	40	19	1.0
10	27	23	35	29	22	21	19	4.1	12	45	20	0.99
11	43	24	30	28	21	21	19	5.5	11	35	20	0.96
12	36	33	27	28	23	21	19	3.9	11	26	21	1.0
13	33	44	33	28	23	22	18	4.9	17	22	15	2.0
14	39	48	34	27	24	22	17	9.4	14	19	13	0.94
15	40	39	36	25	23	22	17	6.6	14	16	15	5.3
16	37	40	36	27	24	23	18	4.2	13	15	14	7.2
17	36	45	33	28	23	22	17	5.1	11	12	12	15
18	37	42	34	28	23	23	17	8.0	11	10	14	9.7
19	38	41	32	27	22	21	17	7.4	10	9.1	12	8.5
20	36	42	32	27	21	21	17	11	19	8.6	11	8.2
21	27	39	31	22	22	21	17	16	27	9.4	9.7	8.0
22	22	38	31	23	23	23	19	16	40	9.3	10	7.6
23	21	37	29	24	23	25	10	11	47	10	7.6	6.9
24	25	38	30	27	22	25	6.4	9.9	42	14	6.5	7.0
25	21	39	28	27	23	25	6.9	5.4	38	17	7.7	6.2
26	22	39	26	26	19	25	6.8	11	42	28	14	5.9
27	25	40	27	26	19	24	5.4	18	46	24	9.9	5.9
28	29	38	27	25	17	23	5.6	30	45	18	8.3	5.7
29	29	37	32	25	---	23	5.0	48	40	41	5.5	5.9
30	27	37	34	25	---	20	4.6	59	38	35	4.2	7.2
31	27	---	33	25	---	21	---	40	---	33	4.5	---
TOTAL	805	1018	1017	831	634	691	461.7	397.2	906	723.4	478.9	143.49
MEAN	26.0	33.9	32.8	26.8	22.6	22.3	15.4	12.8	30.2	23.3	15.4	4.78
AC-FT	1600	2020	2020	1650	1260	1370	916	788	1800	1430	950	285
MAX	43	48	38	32	25	25	21	59	82	45	36	15
MIN	12	23	26	22	17	19	4.6	3.7	10	8.6	4.2	0.94
CAL YR 1997 TOTAL		19790	MEAN	54.2	MAX	354	MIN	12	AC-FT	39250		
WTR YR 1998 TOTAL		8106.69	MEAN	22.2	MAX	82	MIN	0.94	AC-FT	16080		

MAX DISCH 92 CFS AT 0800 03-JUN-1998 GH 2.85 FT. SHIFT 0.00 FT. MAX GH 2.85 FT. AT 0800 03-JUN-1998

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: Dec. 26-28, 1997; Feb. 27-28; Mar. 1-2, 1998, when ice affected stage readings, and Dec. 4-5, 12, 1997 when the well partially froze. Record good, except that for periods of ice effect and no gage-height, which are fair to poor. Station maintained and record developed by Div. II Staff.

RATING TABLE.--CHCRNACO6 USED FROM 01-OCT-1997 TO 30-SEP-1998

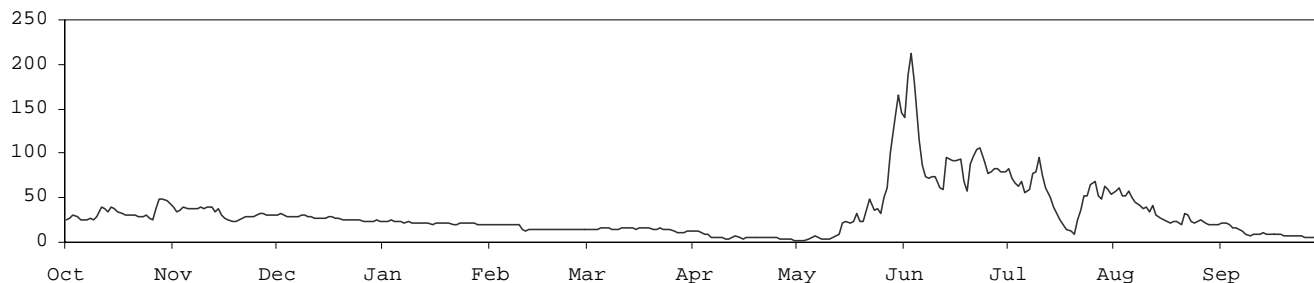
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	40	31	24	20	14	12	1.3	140	82	57	21
2	27	35	32	24	20	15	12	1.6	187	72	61	22
3	30	36	31	25	20	15	11	2.2	212	66	52	20
4	28	40	28	24	20	15	9.3	3.2	179	63	53	17
5	26	38	28	24	20	16	8.2	5.0	116	68	58	16
6	25	38	28	24	20	16	5.5	7.0	86	56	51	14
7	25	38	29	22	20	16	4.7	5.9	74	60	45	13
8	27	38	30	23	20	15	5.5	3.2	72	77	41	9.3
9	26	40	30	22	19	15	4.8	3.2	74	80	38	7.9
10	28	38	29	22	14	15	3.8	3.2	74	95	39	9.7
11	40	39	28	22	13	16	3.8	5.9	62	75	34	9.0
12	38	39	27	22	14	16	5.2	7.1	60	62	41	9.3
13	35	35	27	21	15	16	7.7	9.3	95	50	31	10
14	39	37	27	21	14	16	5.0	22	94	40	27	9.1
15	37	31	27	20	15	15	2.9	24	92	33	25	8.8
16	35	27	28	21	15	16	4.8	21	92	25	23	8.6
17	33	26	28	21	15	16	5.9	23	94	19	21	9.8
18	31	24	27	21	15	17	5.8	33	68	14	23	8.9
19	31	24	27	21	15	16	5.7	23	58	12	23	7.7
20	30	25	26	21	15	15	5.4	24	88	8.1	20	6.8
21	30	27	26	20	15	15	5.1	36	98	26	33	7.0
22	29	28	26	20	15	16	5.1	49	104	36	31	7.5
23	29	28	26	21	15	15	5.1	36	107	53	24	7.0
24	31	29	25	21	15	14	5.1	37	90	53	22	6.8
25	27	31	25	21	15	15	4.9	32	77	64	23	6.0
26	25	33	24	21	15	13	3.0	51	79	69	26	5.4
27	37	32	24	21	15	10	2.9	61	82	53	21	4.9
28	48	31	24	20	14	10	2.8	100	83	48	20	5.9
29	48	30	24	20	---	11	2.8	141	79	63	19	6.5
30	46	30	25	20	---	12	2.0	165	80	60	19	5.7
31	44	---	24	20	---	12	---	145	---	54	20	---
TOTAL	1011	987	841	670	458	454	167.8	1081.1	2896	1636.1	1021	300.6
MEAN	32.6	32.9	27.1	21.6	16.4	14.6	5.59	34.9	96.5	52.8	32.9	10.0
AC-FT	2010	1960	1670	1330	908	901	333	2140	5740	3250	2030	596
MAX	48	40	32	25	20	17	12	165	212	95	61	22
MIN	25	24	24	20	13	10	2.0	1.3	58	8.1	19	4.9

CAL YR 1997 TOTAL 24409.47 MEAN 66.9 MAX 492 MIN 0.75 AC-FT 48420
WTR YR 1998 TOTAL 11523.6 MEAN 31.6 MAX 212 MIN 1.3 AC-FT 22860

MAX DISCH 256 CFS AT 0145 03-JUN-1998 GH 4.48 FT. SHIFT -0.06 FT. MAX GH 4.48 FT. AT 0145 03-JUN-1998

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 except for the following periods: Feb. 28-Mar. 3, 1998 when station was vandalized. (No DCP or chart data). Feb. 25-Mar. 3, 6, 8-16, 20-22; Apr. 4, 6-10, 1998 when gage was isolated. For measurement #231, wrong methodology was used. A spreadsheet was developed to correct this. Record good, except that for missing record, which is poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--ARKSALCO27 USED FROM 01-OCT-1997 TO 30-SEP-1998

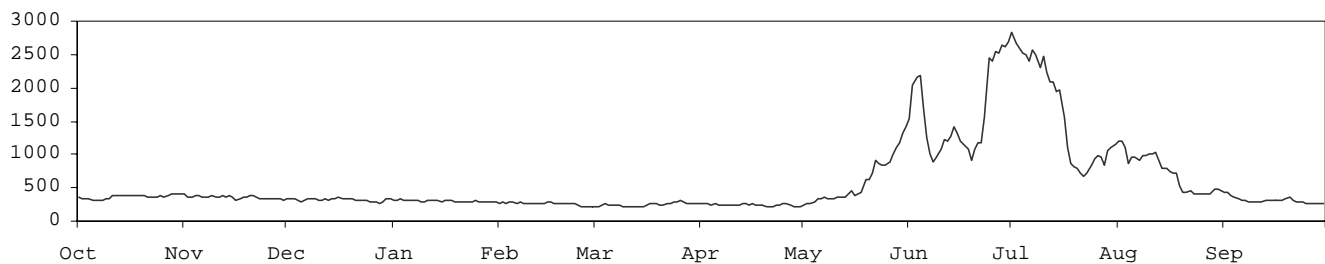
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	355	397	325	322	274	205	258	235	1540	2840	1190	441
2	339	370	335	322	277	220	263	254	2050	2670	1210	431
3	332	360	327	328	275	240	259	264	2160	2600	1100	382
4	344	378	304	318	279	257	251	283	2190	2520	865	352
5	324	375	296	307	279	245	254	330	1680	2500	956	334
6	314	370	315	301	276	237	249	347	1240	2400	962	323
7	308	369	328	314	277	245	239	361	1020	2560	921	310
8	318	372	331	302	271	230	235	329	882	2500	992	296
9	325	383	329	293	273	225	235	332	950	2310	993	286
10	330	371	322	299	269	228	230	342	1070	2470	1010	293
11	382	372	322	315	276	227	236	353	1220	2240	1020	290
12	390	380	325	312	267	228	252	363	1200	2090	1040	294
13	381	370	324	307	274	225	262	370	1270	2090	911	320
14	386	391	337	304	273	227	256	406	1420	1940	804	311
15	394	359	346	297	283	228	247	457	1320	1960	795	310
16	388	315	353	304	281	240	259	396	1200	1560	740	307
17	379	335	337	304	276	256	249	403	1140	1110	714	315
18	375	355	339	302	273	270	239	432	1090	867	725	311
19	373	369	334	295	268	259	230	620	922	807	518	337
20	373	390	332	299	263	250	220	615	1070	790	423	360
21	370	374	321	288	265	252	215	727	1180	725	441	302
22	356	358	320	279	268	257	226	914	1180	676	463	293
23	356	327	313	285	270	270	233	863	1560	728	415	290
24	368	333	317	288	248	285	247	837	2450	835	402	289
25	381	335	296	303	228	293	266	830	2410	948	410	275
26	362	340	284	290	220	307	261	888	2540	992	420	268
27	375	343	284	284	215	284	240	1000	2530	968	412	267
28	410	339	274	285	215	275	220	1100	2650	848	399	265
29	418	328	289	283	---	276	210	1180	2610	1060	478	256
30	414	322	326	280	---	263	215	1310	2690	1100	482	259
31	408	---	342	281	---	259	---	1410	---	1160	451	---
TOTAL	11328	10780	9927	9291	7413	7763	7256	18551	48434	50864	22662	9367
MEAN	365	359	320	300	265	250	242	598	1614	1641	731	312
AC-FT	22470	21380	19690	18430	14700	15400	14390	36800	96070	100900	44950	18580
MAX	418	397	353	328	283	307	266	1410	2690	2840	1210	441
MIN	308	315	274	279	215	205	210	235	882	676	399	256

CAL YR 1997 TOTAL 299834 MEAN 821 MAX 3860 MIN 274 AC-FT 594700
WTR YR 1998 TOTAL 213636 MEAN 585 MAX 2840 MIN 205 AC-FT 423700

MAX DISCH 2928 CFS AT 1015 01-JUL-1998 GH 3.40 FT. SHIFT 0.05 FT. MAX GH 3.40 FT. AT 1015 01-JUL-1998

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: Nov. 15-16; Dec. 12-13, 26-29, 1997 when the manometer malfunctioned; May 31; June 1, 3-5, 10-11, 1998 when servo control malfunctioned. Record good except for periods of manometer malfunction, which is poor. Station maintained and record developed by L.R. Schultz.

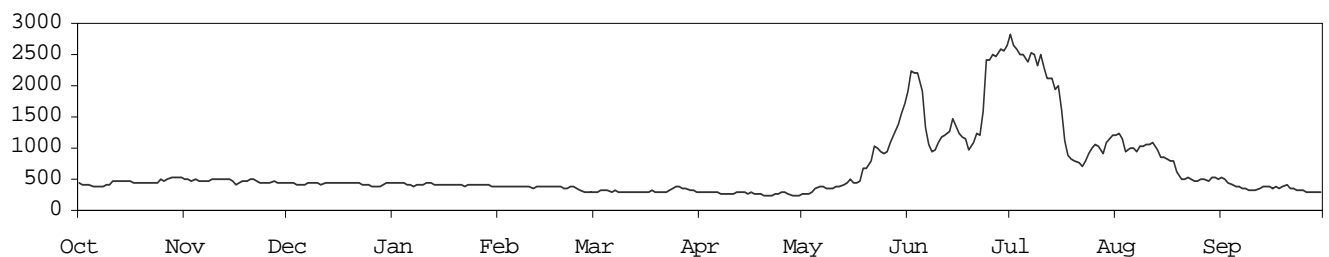
RATING TABLE.--ARKWELCO06 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	428	514	435	432	389	285	300	251	1900	2820	1220	516
2	411	488	451	432	384	292	303	265	2230	2660	1250	502
3	404	474	442	442	388	314	295	277	2200	2580	1150	452
4	418	487	410	433	392	321	286	302	2220	2510	933	411
5	393	485	409	417	392	312	291	356	1900	2490	1000	388
6	380	481	424	410	392	308	286	373	1330	2390	1010	372
7	377	476	442	396	390	311	277	390	1070	2530	955	357
8	384	480	438	410	383	298	273	349	931	2500	1030	339
9	398	496	433	405	385	292	273	347	975	2330	1030	330
10	400	488	428	408	380	298	270	358	1100	2490	1050	337
11	457	487	425	429	367	296	268	371	1170	2290	1060	334
12	467	494	428	427	374	298	280	390	1210	2130	1080	341
13	459	486	431	418	384	295	289	402	1270	2120	961	386
14	456	498	452	413	383	297	282	448	1460	1950	856	373
15	463	465	452	406	390	298	273	496	1350	1990	843	369
16	461	420	450	417	389	304	280	433	1230	1610	811	363
17	450	446	444	422	383	303	271	432	1180	1130	780	377
18	448	461	449	422	377	318	262	471	1140	881	788	366
19	446	472	441	415	371	306	252	666	965	822	612	392
20	446	498	440	418	361	296	241	688	1090	806	508	426
21	445	487	431	406	363	298	239	806	1230	756	503	359
22	430	467	433	395	369	305	250	1040	1220	717	536	342
23	432	441	423	406	371	323	258	1000	1590	782	492	337
24	454	441	417	407	348	351	269	946	2420	922	480	335
25	487	447	408	424	321	373	289	917	2410	1000	484	316
26	468	454	390	416	307	392	287	954	2500	1050	498	308
27	494	457	385	409	293	359	266	1080	2470	1020	489	307
28	528	454	375	405	294	341	244	1210	2600	900	471	304
29	538	443	400	401	---	337	235	1380	2560	1100	528	293
30	531	432	440	394	---	314	238	1570	2650	1140	541	295
31	531	---	440	397	---	304	---	1710	---	1200	509	---
TOTAL	13884	14119	13266	12832	10320	9739	8127	20678	49571	51616	24458	10927
MEAN	448	471	428	414	369	314	271	667	1652	1665	789	364
AC-FT	27540	28010	26310	25450	20470	19320	16120	41010	98320	102400	48510	21670
MAX	538	514	452	442	392	392	303	1710	2650	2820	1250	516
MIN	377	420	375	394	293	285	235	251	931	717	471	293
CAL YR 1997 TOTAL		347391	MEAN	952	MAX	4350	MIN	356	AC-FT	689000		
WTR YR 1998 TOTAL		239537	MEAN	656	MAX	2820	MIN	235	AC-FT	475100		

MAX DISCH 2916 CFS AT 1130 01-JUL-1998 GH 6.52 FT. SHIFT 0.02 FT. MAX GH 6.52 FT. AT 1130 01-JUL-1998

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 25-29, 31; November 1, 12-30; December 1, 1997 when the stage discharge relationship was affected by ice. December 2-31, 1997, January 1-31; February 1-28; March 1-31, and April 1-10, 1998 when float was frozen in ice in the well. Record good, except for periods of ice effect and no gage height record, which are poor. Station maintained and record developed by Div. II Staff.

RATING TABLE.--GRAWESCO08 USED FROM 01-OCT-1997 TO 30-SEP-1998

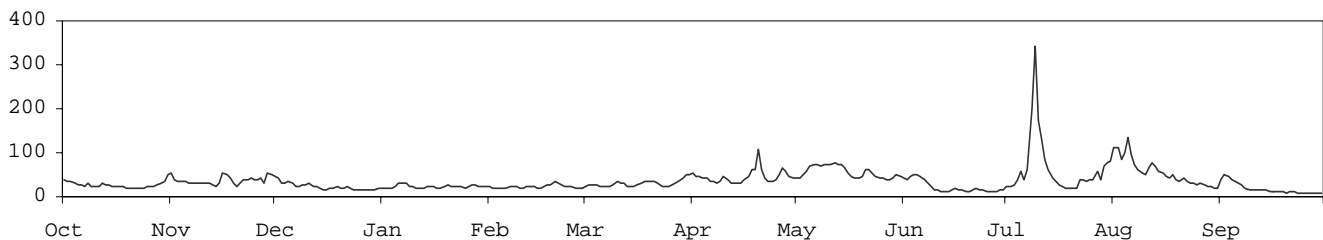
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	53	48	18	22	23	54	44	43	24	110	40
2	35	37	42	19	20	26	48	44	40	23	112	50
3	33	34	32	20	21	27	46	50	47	28	85	47
4	30	36	29	20	20	26	42	57	49	38	100	40
5	27	34	34	25	19	24	41	68	49	59	135	33
6	26	31	32	30	20	22	35	73	47	38	97	29
7	23	31	22	31	22	23	33	74	39	61	74	26
8	29	29	25	30	24	25	32	71	29	199	61	20
9	25	30	26	25	22	28	34	74	22	342	52	16
10	23	30	28	22	21	34	45	75	16	174	49	15
11	24	32	29	20	21	30	39	73	14	130	64	15
12	31	29	25	21	24	30	32	77	12	86	78	14
13	26	28	24	20	24	24	32	72	11	61	71	15
14	26	23	18	25	23	22	31	72	11	42	58	14
15	25	31	15	25	21	25	29	66	16	36	52	12
16	24	53	15	24	21	27	38	55	18	27	47	12
17	23	49	18	21	22	32	46	45	17	23	44	12
18	22	41	20	20	26	33	60	43	16	21	51	11
19	20	29	24	22	28	35	62	43	13	20	39	9.7
20	20	25	18	26	33	36	107	47	12	20	36	9.5
21	20	30	18	25	29	33	63	61	14	20	41	10
22	20	40	22	24	27	30	42	61	18	39	36	9.8
23	19	40	21	23	23	24	36	52	17	37	31	8.3
24	21	42	16	22	24	22	34	48	17	34	29	7.9
25	25	39	15	21	23	24	37	41	13	38	28	7.4
26	22	37	15	23	21	26	49	42	12	40	29	6.7
27	24	42	16	27	20	29	67	38	12	56	27	6.7
28	26	32	15	26	20	35	57	38	13	40	25	6.9
29	30	54	14	24	---	42	45	42	15	71	22	7.0
30	35	50	16	25	---	50	43	50	14	78	19	7.3
31	50	---	20	24	---	51	---	45	---	82	20	---
TOTAL	823	1091	712	728	641	918	1359	1741	666	1987	1722	518.2
MEAN	26.5	36.4	23.0	23.5	22.9	29.6	45.3	56.2	22.2	64.1	55.5	17.3
AC-FT	1630	2160	1410	1440	1270	1820	2700	3450	1320	3940	3420	1030
MAX	50	54	48	31	33	51	107	77	49	342	135	50
MIN	19	23	14	18	19	22	29	38	11	20	19	6.7

CAL YR 1997 TOTAL 13866.2 MEAN 38.0 MAX 389 MIN 8.0 AC-FT 27500
WTR YR 1998 TOTAL 12906.2 MEAN 35.4 MAX 342 MIN 6.7 AC-FT 25600

MAX DISCH 441 CFS AT 0445 09-JUL-1998 GH 2.65 FT. SHIFT 0.04 FT. MAX GH 2.65 FT. AT 0445 09-JUL-1998

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. Cableway 15-20 feet downstream from gage. Well extension made and platform installed in 1996. Datum of gage is 5,342.13 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable for entire water year and considered good. Station maintained and record developed by Div. II personnel.

RATING TABLE.--ARKCANCO22 USED FROM 01-OCT-1997 TO 30-SEP-1998

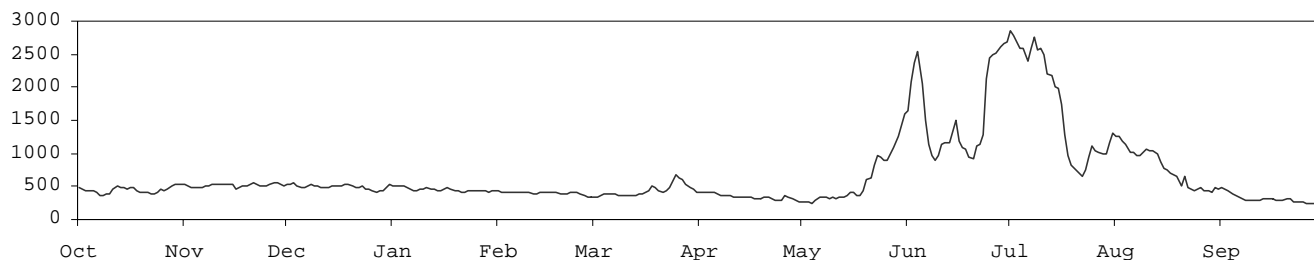
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	491	543	529	499	426	337	404	274	1650	2850	1270	474
2	448	505	543	496	401	342	403	256	2080	2780	1270	457
3	445	490	549	502	411	366	402	255	2380	2690	1180	432
4	444	483	502	497	411	376	401	249	2530	2600	1140	382
5	432	487	488	475	406	381	408	280	2060	2590	1010	359
6	410	480	486	463	406	376	384	338	1490	2400	1020	349
7	353	500	519	430	416	376	365	332	1140	2590	964	312
8	351	505	528	429	411	361	354	345	963	2750	974	295
9	394	522	515	455	406	356	351	321	903	2560	1010	285
10	387	538	507	454	401	351	359	332	972	2580	1060	284
11	450	525	491	487	391	356	341	322	1140	2500	1050	281
12	507	538	479	471	394	351	330	336	1160	2210	1050	286
13	490	544	484	458	401	361	335	349	1170	2180	990	306
14	476	542	504	445	406	376	334	366	1340	2020	879	322
15	452	527	511	431	410	391	337	419	1490	1990	782	304
16	490	470	520	458	420	416	330	407	1190	1750	758	318
17	480	476	509	480	415	447	312	353	1090	1280	710	301
18	437	518	522	452	420	501	317	359	1070	958	689	298
19	410	518	521	442	398	486	316	436	944	819	642	289
20	409	537	508	442	391	431	332	597	920	776	497	323
21	409	548	490	416	386	416	342	628	1110	712	648	320
22	393	524	480	411	406	426	310	814	1130	659	495	274
23	385	514	497	431	408	491	301	978	1280	753	449	273
24	400	504	464	437	421	590	291	936	2120	947	424	272
25	466	520	463	447	386	668	296	896	2450	1120	461	265
26	440	535	424	437	366	638	351	887	2490	1050	488	247
27	455	546	416	437	342	602	348	980	2520	1010	438	246
28	515	561	433	426	328	531	321	1090	2620	986	424	246
29	544	539	428	421	---	485	298	1260	2660	995	415	242
30	539	513	478	426	---	454	277	1430	2690	1170	476	235
31	544	---	530	431	---	410	---	1600	---	1300	450	---
TOTAL	13846	15552	15318	13986	11184	13449	10250	18425	48752	53575	24113	9277
MEAN	447	518	494	451	399	434	342	594	1625	1728	778	309
AC-FT	27460	30850	30380	27740	22180	26680	20330	36550	96700	106300	47830	18400
MAX	544	561	549	502	426	668	408	1600	2690	2850	1270	474
MIN	351	470	416	411	328	337	277	249	903	659	415	235

CAL YR 1997 TOTAL 368107 MEAN 1009 MAX 4670 MIN 339 AC-FT 730100
 WTR YR 1998 TOTAL 247727 MEAN 679 MAX 2850 MIN 235 AC-FT 491400

MAX DISCH 3628 CFS AT 2300 08-JUL-1998 GH 8.95 FT. SHIFT 0.12 FT. MAX GH 8.95 FT. AT 2300 08-JUL-1998

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. No high flow measurements were made because side bridge/cable was inoperative. Station maintained and records developed by Div. II personnel.

RATING TABLE.--ARKPORCO03 USED FROM 01-OCT-1997 TO 30-SEP-1998

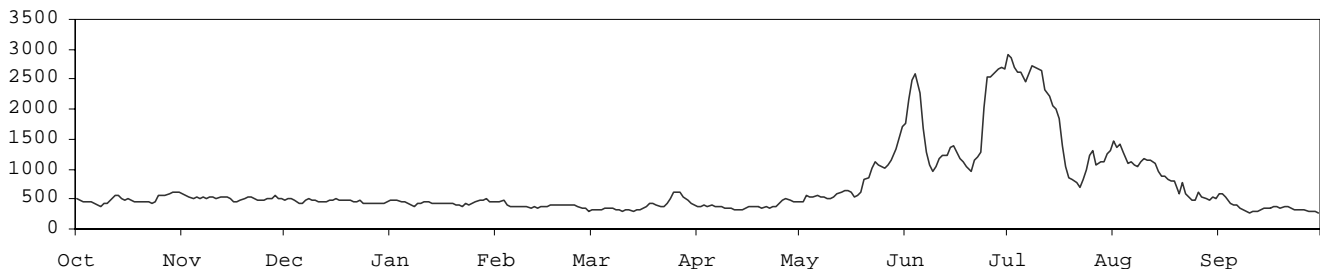
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	512	594	488	477	450	311	387	443	1760	2900	1460	581
2	471	560	505	471	454	309	387	443	2160	2860	1370	583
3	458	525	518	468	477	318	394	550	2480	2710	1410	521
4	455	508	491	462	388	333	383	547	2600	2620	1280	433
5	451	526	436	454	375	343	400	531	2260	2610	1090	395
6	435	516	439	433	371	337	375	565	1680	2470	1120	388
7	400	525	481	397	381	343	366	540	1290	2580	1060	341
8	380	511	496	376	376	326	381	532	1070	2730	1040	327
9	418	533	480	434	363	314	358	503	968	2710	1110	305
10	426	544	477	433	371	305	336	512	1040	2660	1180	279
11	482	514	452	449	359	324	336	543	1180	2640	1140	288
12	552	529	451	451	361	310	324	599	1220	2320	1140	294
13	548	537	461	437	359	303	332	613	1220	2230	1090	324
14	512	527	490	422	377	325	333	629	1370	2070	971	339
15	488	508	490	433	372	323	338	645	1380	2010	886	340
16	497	457	500	419	383	342	373	619	1290	1850	895	354
17	484	456	480	434	394	373	364	541	1180	1390	839	364
18	464	485	490	438	394	438	369	550	1130	1040	814	369
19	454	506	486	418	390	434	366	604	1040	866	793	353
20	459	526	491	414	396	390	351	815	955	837	601	371
21	463	528	460	392	394	373	373	844	1160	774	786	386
22	443	500	456	370	395	367	357	1010	1200	697	593	342
23	422	494	468	421	396	417	371	1120	1290	831	544	325
24	467	471	440	397	396	514	387	1060	2040	977	485	321
25	561	480	431	420	379	621	425	1030	2530	1230	485	310
26	549	495	417	458	360	612	493	1010	2530	1320	617	308
27	549	511	415	490	337	604	518	1060	2600	1080	535	295
28	592	549	429	484	305	532	486	1160	2660	1110	508	297
29	609	514	419	503	---	470	458	1330	2700	1110	474	287
30	606	497	434	459	---	437	441	1510	2680	1260	541	257
31	606	---	467	452	---	409	---	1710	---	1300	509	---
TOTAL	15213	15426	14438	13566	10753	12157	11562	24168	50663	55792	27366	10677
MEAN	491	514	466	438	384	392	385	780	1689	1800	883	356
AC-FT	30170	30600	28640	26910	21330	24110	22930	47940	100500	110700	54280	21180
MAX	609	594	518	503	477	621	518	1710	2700	2900	1460	583
MIN	380	456	415	370	305	303	324	443	955	697	474	257

CAL YR 1997 TOTAL 373498 MEAN 1023 MAX 5020 MIN 330 AC-FT 740800
WTR YR 1998 TOTAL 261781 MEAN 717 MAX 2900 MIN 257 AC-FT 519200

MAX DISCH 3476 CFS AT 0200 09-JUL-1998 GH 5.67 FT. SHIFT 0.11 FT. MAX GH 5.67 FT. AT 0200 09-JUL-1998

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 period: Dec. 17-23, 1997 when floats were on sand in well. Record good at lower stages, record rated fair at medium to high stages, because no measurements were made at high stages. Record poor for periods of missing record. Station maintained and records developed by Div. II personnel.

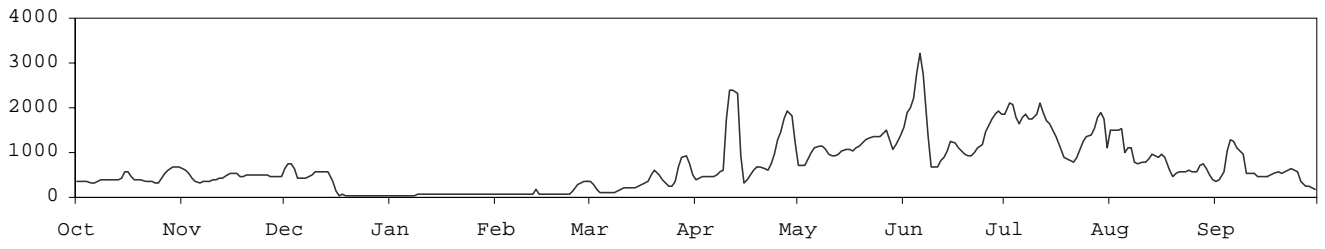
RATING TABLE.--ARKPUECO16 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	344	647	650	51	62	348	401	697	1580	1840	1510	358
2	344	597	748	51	62	301	427	698	1880	2110	1510	410
3	344	531	747	52	62	196	476	698	2010	2060	1500	557
4	345	422	642	51	62	114	476	851	2220	1770	1520	1020
5	318	357	428	51	62	98	476	991	2790	1630	992	1300
6	310	328	430	51	62	106	476	1110	3220	1780	1110	1240
7	352	351	431	52	62	104	515	1160	2760	1860	1090	1120
8	392	367	468	53	62	104	581	1150	1380	1760	789	1030
9	398	366	510	56	62	140	624	1080	684	1740	766	959
10	401	384	555	57	62	195	1740	967	682	1840	783	538
11	401	390	579	58	62	232	2400	926	682	2100	784	537
12	401	424	579	58	62	222	2390	927	818	1880	860	520
13	401	444	579	58	175	211	2320	968	901	1720	961	479
14	443	506	580	59	67	211	918	1040	1050	1650	941	462
15	573	543	374	60	67	239	332	1080	1250	1500	901	473
16	563	543	128	60	67	298	397	1070	1220	1350	976	482
17	452	543	50	60	67	330	488	1030	1120	1170	896	506
18	402	478	59	61	67	362	616	1090	1040	900	625	546
19	404	472	51	57	66	514	674	1150	954	871	476	573
20	402	494	51	57	66	596	674	1230	922	829	526	546
21	370	493	51	57	66	487	637	1270	920	787	567	564
22	351	493	51	59	66	381	603	1330	991	885	567	603
23	358	493	51	61	66	311	747	1350	1090	1070	568	640
24	324	493	51	62	155	249	952	1350	1170	1240	598	612
25	328	492	51	62	271	248	1290	1350	1450	1340	555	560
26	431	487	51	62	325	356	1450	1440	1620	1380	585	357
27	548	477	50	62	347	665	1760	1510	1760	1520	697	267
28	624	481	51	62	348	908	1940	1300	1870	1780	738	237
29	670	479	51	62	---	934	1820	1060	1920	1900	629	207
30	682	478	52	62	---	762	1230	1170	1840	1740	488	190
31	662	---	51	62	---	515	---	1380	---	1100	398	---
TOTAL	13338	14053	9200	1786	3030	10737	29830	34423	43794	47102	25906	17893
MEAN	430	468	297	57.6	108	346	994	1110	1460	1519	836	596
AC-FT	26460	27870	18250	3540	6010	21300	59170	68280	86870	93430	51380	35490
MAX	682	647	748	62	348	934	2400	1510	3220	2110	1520	1300
MIN	310	328	50	51	62	98	332	697	682	787	398	190
CAL YR 1997 TOTAL		348682	MEAN	955	MAX	5910	MIN	50	AC-FT	691600		
WTR YR 1998 TOTAL		251092	MEAN	688	MAX	3220	MIN	50	AC-FT	498000		

MAX DISCH 3526 CFS AT 1630 05-JUN-1998 GH 5.69 FT. SHIFT -0.07 FT. MAX GH 5.69 FT. AT 1630 05-JUN-1998

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: November 14-25, 28-30; December 1-31, 1997; January 1-31, February 1-28; and March 1-14, 1998, when stage was affected by ice. Record good, except for periods of ice effect, which should be considered poor. Station maintained and record developed by Div. II Personnel.

RATING TABLE.--HURREDCO21 USED FROM 01-OCT-1997 TO 30-SEP-1998

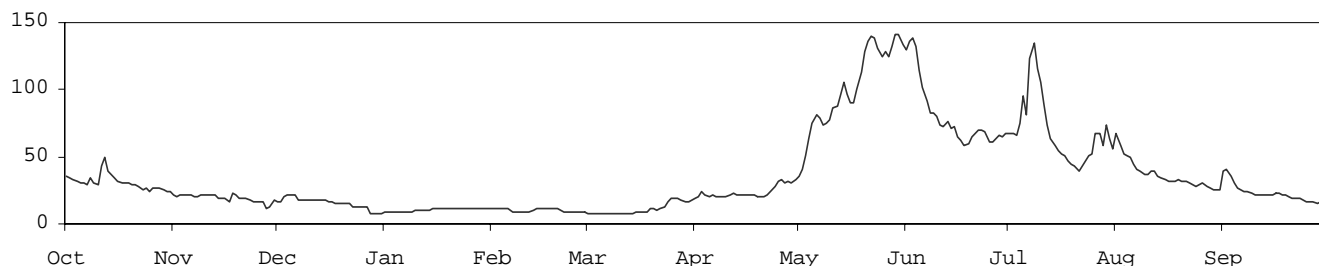
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	22	17	9.0	12	8.0	19	36	130	68	67	40
2	34	20	17	9.0	12	8.0	20	41	136	67	58	41
3	33	22	20	9.0	12	8.0	24	51	138	66	52	35
4	32	22	21	9.0	12	8.0	21	64	132	75	51	30
5	31	21	21	9.0	11	8.0	20	75	115	95	50	27
6	30	21	21	9.0	11	8.0	21	81	102	81	44	26
7	29	20	18	9.0	9.0	8.0	20	79	92	123	41	24
8	34	20	18	9.0	9.0	8.0	20	74	83	135	39	24
9	30	21	18	9.0	9.0	8.0	20	75	82	116	37	23
10	29	21	18	10	9.0	7.0	20	77	80	106	37	22
11	43	21	18	10	9.0	7.0	22	86	74	89	40	22
12	49	22	18	10	9.0	7.0	23	88	72	74	39	21
13	39	21	18	10	10	7.0	22	96	76	64	35	22
14	37	19	18	10	11	7.0	22	106	71	58	34	21
15	34	19	18	11	11	8.6	22	97	73	55	33	22
16	32	19	17	11	11	8.6	21	90	65	52	32	23
17	31	16	16	11	11	9.4	21	90	62	51	32	23
18	31	23	15	12	11	9.2	21	101	59	47	32	22
19	30	22	15	12	11	11	20	113	60	45	33	21
20	29	19	15	12	11	11	20	128	65	43	32	20
21	29	19	15	12	10	10	20	136	67	40	32	19
22	28	19	15	12	9.0	11	21	140	70	43	30	19
23	26	18	13	12	9.0	13	24	138	70	47	29	19
24	27	17	13	12	9.0	16	28	131	69	51	28	18
25	24	17	13	11	9.0	19	32	125	61	52	29	17
26	27	16	13	11	9.0	19	33	128	61	68	30	17
27	27	17	13	11	9.0	19	31	125	64	68	28	17
28	27	11	8.0	11	9.0	18	32	132	66	59	27	15
29	26	13	8.0	11	---	16	31	141	65	74	26	17
30	24	18	8.0	11	---	16	33	141	67	63	25	19
31	24	---	8.0	11	---	18	---	134	---	56	25	---
TOTAL	962	576	484.0	325.0	284.0	339.8	704	3119	2427	2131	1127	686
MEAN	31.0	19.2	15.6	10.5	10.1	11.0	23.5	101	80.9	68.7	36.4	22.9
AC-FT	1910	1140	960	645	563	674	1400	6190	4810	4230	2240	1360
MAX	49	23	21	12	12	19	33	141	138	135	67	41
MIN	24	11	8.0	9.0	9.0	7.0	19	36	59	40	25	15

CAL YR 1997 TOTAL 14455.7 MEAN 39.6 MAX 179 MIN 7.5 AC-FT 28670
WTR YR 1998 TOTAL 13164.8 MEAN 36.1 MAX 141 MIN 7.0 AC-FT 26110

MAX DISCH 170 CFS AT 2200 07-JUL-1998 GH 3.47 FT. SHIFT 0.10 FT. MAX GH 3.47 FT. AT 2200 07-JUL-1998

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 3½ ft. 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 25-28; November 10-12, 14-19, 21-24, 28-30; December 1, 3-13, 21-22, 25-27, 1997; January 5-8, 21-24, 26-31; February 1-3, 6-8, 11-14, 16-22, 26-28, March 1-12, 20, 21, 1998, when stage-discharge relationship was affected by ice. Record good, except periods when ice affected the stage-discharge relationship, which are poor. Station maintained and record developed by Div. II personnel.

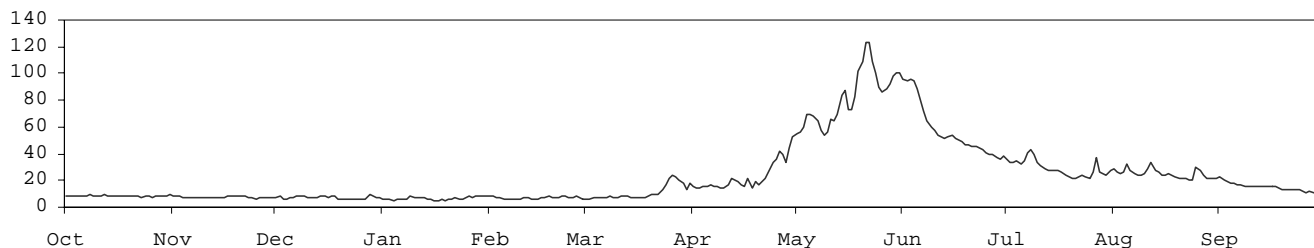
RATING TABLE.--CRBRLVCO13 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	8.8	7.2	6.1	8.2	6.4	16	55	96	36	29	23
2	8.4	8.5	8.8	5.6	8.4	6.0	14	56	95	34	26	20
3	8.2	8.8	6.5	5.6	7.7	6.7	14	60	96	34	25	19
4	8.0	7.7	6.2	5.3	6.7	6.9	15	70	94	35	26	18
5	8.1	7.7	6.6	5.4	5.7	7.0	16	70	89	32	32	18
6	8.1	7.7	7.2	5.7	6.4	7.2	17	68	80	35	27	17
7	8.4	7.7	8.0	6.0	6.5	7.4	15	65	72	41	25	17
8	9.9	7.3	8.6	6.4	6.2	8.0	15	58	65	43	24	16
9	8.8	7.5	8.0	8.2	5.8	7.1	14	54	60	39	24	16
10	8.7	7.4	7.2	6.8	6.0	7.6	14	56	57	34	25	16
11	8.4	7.4	6.8	6.9	6.6	8.2	17	66	54	31	29	16
12	9.8	7.1	6.6	7.0	6.8	8.6	22	65	53	29	33	15
13	8.4	7.1	6.6	7.6	6.4	7.9	20	69	52	28	27	15
14	8.5	7.0	8.6	6.2	6.4	7.4	19	84	53	27	26	15
15	8.3	6.8	8.0	5.4	6.1	6.8	17	87	54	27	24	15
16	8.3	7.0	7.6	5.1	6.7	7.1	16	73	51	27	24	15
17	8.0	8.0	8.4	5.1	7.0	7.6	21	73	50	26	25	15
18	7.9	8.2	8.1	5.7	7.8	7.4	14	83	49	24	24	14
19	7.8	8.0	6.5	5.2	7.5	8.3	19	102	47	23	23	13
20	7.9	8.2	5.8	5.9	7.5	9.5	17	109	47	22	22	13
21	8.3	8.1	5.8	6.0	7.0	10	19	123	46	22	22	13
22	7.9	8.0	5.8	6.8	8.2	10	22	123	45	23	21	13
23	7.6	7.6	5.8	6.2	8.3	13	26	109	44	24	20	13
24	7.8	7.0	5.7	6.2	6.8	17	33	100	43	23	20	13
25	7.8	6.5	5.8	7.6	7.2	22	36	90	41	22	30	12
26	7.6	6.8	5.8	8.0	7.8	24	42	86	40	26	27	11
27	7.8	7.2	6.3	7.7	7.0	23	39	89	39	37	24	12
28	8.2	6.8	9.6	7.8	6.2	20	34	92	37	26	22	11
29	8.7	6.6	8.0	8.2	---	18	44	98	36	25	21	12
30	8.8	6.6	6.7	8.0	---	13	53	100	38	24	21	14
31	9.1	---	6.7	8.4	---	18	---	100	---	28	21	---
TOTAL	258.4	225.1	219.3	202.1	194.9	337.1	680	2533	1723	907	769	450
MEAN	8.34	7.50	7.07	6.52	6.96	10.9	22.7	81.7	57.4	29.3	24.8	15.0
AC-FT	513	446	435	401	387	669	1350	5020	3420	1800	1530	893
MAX	9.9	8.8	9.6	8.4	8.4	24	53	123	96	43	33	23
MIN	7.6	6.5	5.7	5.1	5.7	6.0	14	54	36	22	20	11
CAL YR 1997 TOTAL		8892.2	MEAN	24.4	MAX	150	MIN	4.4	AC-FT	17640		
WTR YR 1998 TOTAL		8498.9	MEAN	23.3	MAX	123	MIN	5.1	AC-FT	16860		

MAX DISCH 136 CFS AT 0445 22-MAY-1998 GH 1.65 FT. SHIFT 0.22 FT. MAX GH 1.65 FT. AT 0445 22-MAY-1998

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. Record fair. Station maintained and record developed by Div. II Staff.

RATING TABLE.--ARKNEPC011 USED FROM 01-OCT-1997 TO 30-SEP-1998

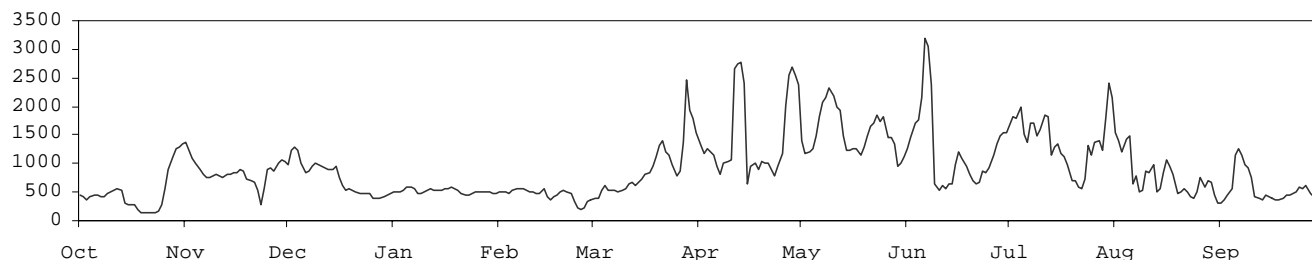
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	459	1360	974	500	497	385	1330	1400	1260	1670	1530	315
2	421	1230	1230	511	511	402	1170	1190	1460	1820	1390	360
3	378	1080	1290	516	492	521	1250	1210	1700	1780	1210	444
4	412	1020	1230	536	485	629	1210	1260	1770	1980	1420	549
5	446	904	1010	577	528	535	1160	1490	2170	1510	1490	1140
6	448	816	849	587	555	522	946	1820	3200	1380	652	1250
7	414	768	867	547	556	524	813	2060	3040	1700	785	1140
8	434	770	951	484	561	509	1020	2170	2390	1720	515	986
9	465	772	1020	476	522	525	1040	2330	647	1490	529	913
10	495	801	983	515	506	574	1070	2180	531	1590	873	748
11	525	777	965	542	492	638	2660	1990	605	1850	831	422
12	553	758	934	558	465	664	2740	1920	553	1830	970	381
13	527	814	899	540	464	627	2780	1480	649	1160	512	371
14	306	818	903	536	549	666	2400	1220	651	1290	568	460
15	278	849	952	541	418	724	640	1230	971	1340	833	413
16	281	842	761	554	377	807	946	1270	1200	1180	1060	390
17	283	890	606	553	433	836	996	1260	1090	1130	946	378
18	203	857	533	575	455	944	887	1160	960	987	818	376
19	151	728	548	548	506	1110	1050	1300	815	707	464	381
20	143	702	546	529	543	1320	1020	1490	700	700	494	446
21	150	686	505	479	511	1400	1010	1650	648	602	557	455
22	150	527	463	444	479	1210	895	1700	681	552	496	483
23	150	286	471	448	333	1160	798	1850	876	737	425	509
24	167	555	483	464	212	968	963	1740	849	1310	397	586
25	292	908	467	510	188	785	1170	1830	931	1160	518	551
26	569	916	405	514	229	863	2020	1470	1140	1370	744	604
27	897	860	381	511	326	1380	2560	1450	1340	1400	589	485
28	1110	996	385	518	351	2460	2700	1350	1480	1230	693	431
29	1250	1060	412	501	---	1930	2550	958	1550	1800	669	401
30	1280	1030	454	484	---	1790	2390	1020	1530	2410	457	384
31	1350	---	481	481	---	1550	---	1120	---	2170	305	---
TOTAL	14987	25380	22958	16079	12544	28958	44184	47568	37387	43555	23740	16752
MEAN	483	846	741	519	448	934	1473	1534	1246	1405	766	558
AC-FT	29730	50340	45540	31890	24880	57440	87640	94350	74160	86390	47090	33230
MAX	1350	1360	1290	587	561	2460	2780	2330	3200	2410	1530	1250
MIN	143	286	381	444	188	385	640	958	531	552	305	315

CAL YR 1997 TOTAL 395578 MEAN 1084 MAX 5550 MIN 112 AC-FT 784600
WTR YR 1998 TOTAL 334092 MEAN 915 MAX 3200 MIN 143 AC-FT 662700

MAX DISCH 3545 CFS AT 1815 06-JUN-1998 GH 4.62 FT. SHIFT -0.19 FT. MAX GH 4.62 FT. AT 1815 06-JUN-1998

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 stream flow data from DCP and strip chart adjusted to outside staff gage readings. Record is complete and reliable. Discharge for ice-affected and missing record was estimated based on partial good pen trace, weather records, and comparison to other nearby river stations. Record fair, except that for periods of ice effect and instrument malfunction, which is poor. Record developed and station maintained by Division II personnel.

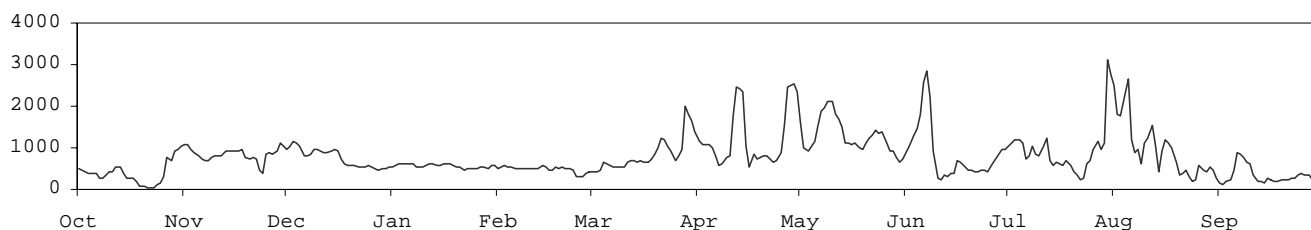
RATING TABLE.--ARKCATCO08 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	506	1090	956	552	505	440	1170	1630	869	1030	2490	166
2	445	1070	1020	570	523	433	1070	995	1040	1120	1800	130
3	412	963	1150	597	558	460	1060	920	1320	1200	1760	198
4	394	896	1120	630	536	654	1080	1030	1450	1180	2320	226
5	398	823	1040	633	521	600	987	1170	1790	1110	2650	480
6	367	749	816	632	507	579	816	1520	2570	732	1190	883
7	256	698	797	601	488	544	580	1900	2860	812	901	841
8	261	704	835	553	489	536	621	1950	2240	1020	954	774
9	334	752	980	531	498	536	770	2100	942	847	623	669
10	406	793	971	538	492	547	810	2130	284	812	1130	612
11	425	821	937	581	499	638	1760	1790	248	1050	1220	348
12	540	822	880	597	494	680	2480	1680	343	1220	1520	210
13	555	931	895	602	488	704	2430	1500	316	687	1040	179
14	388	923	914	596	563	663	2340	1100	369	570	439	168
15	253	932	966	596	525	684	1020	1100	377	653	928	257
16	268	924	913	632	470	643	550	1080	692	615	1200	225
17	258	928	730	597	470	650	843	1110	673	580	1100	193
18	187	947	610	609	525	727	712	983	543	686	1000	181
19	86	786	591	593	489	864	767	947	446	577	646	216
20	64	729	589	547	525	1010	817	1100	464	409	361	237
21	53	771	560	547	501	1220	795	1220	428	332	403	239
22	53	745	527	478	491	1180	745	1300	412	228	464	252
23	53	463	532	497	476	1020	659	1410	450	270	291	277
24	106	397	535	503	324	936	707	1340	446	631	179	330
25	162	848	558	515	303	674	899	1370	434	688	233	373
26	313	878	535	508	324	816	1540	1110	608	961	570	335
27	784	857	504	520	380	949	2470	916	746	1150	479	364
28	691	939	476	530	436	2010	2500	916	852	945	409	237
29	939	1130	484	490	---	1820	2550	756	961	1100	555	202
30	953	1040	519	567	---	1640	2350	656	949	3120	447	162
31	1020	---	539	558	---	1390	---	714	---	2770	269	---
TOTAL	11930	25349	23479	17500	13400	26247	37898	39443	26122	29105	29571	9964
MEAN	385	845	757	565	479	847	1263	1272	871	939	954	332
AC-FT	23660	50280	46570	34710	26580	52060	75170	78240	51810	57730	58650	19760
MAX	1020	1130	1150	633	563	2010	2550	2130	2860	3120	2650	883
MIN	53	397	476	478	303	433	550	656	248	228	179	130
CAL YR 1997 TOTAL		335763	MEAN	920	MAX	5470	MIN	53	AC-FT	666000		
WTR YR 1998 TOTAL		290008	MEAN	795	MAX	3120	MIN	53	AC-FT	575200		

MAX DISCH 3846 CFS AT 0830 30-JUL-1998 GH 6.21 FT. SHIFT 0.09 FT. MAX GH 6.21 FT. AT 0830 30-JUL-1998

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-1997 TO 30-SEP-1998

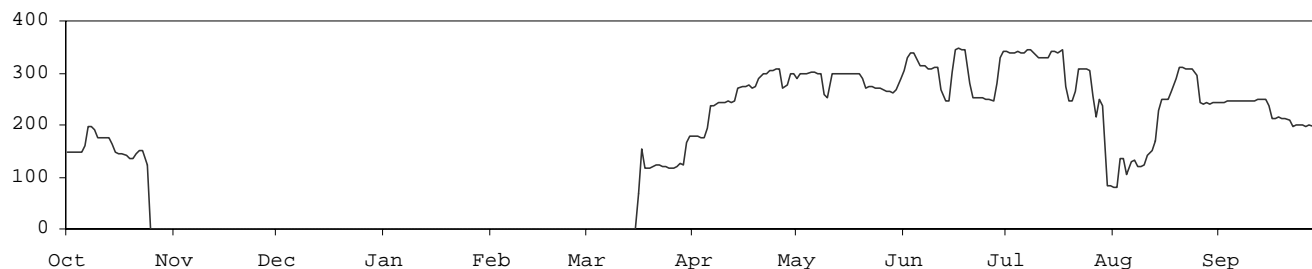
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	0.0	0.0	0.0	0.0	0.0	178	288	304	342	81	244
2	147	0.00	0.0	0.0	0.0	0.0	178	298	328	340	80	244
3	148	0.0	0.0	0.0	0.0	0.0	176	300	340	340	135	246
4	147	0.0	0.0	0.0	0.0	0.0	176	300	340	342	134	247
5	147	0.0	0.0	0.0	0.0	0.0	194	302	325	340	106	247
6	161	0.0	0.0	0.0	0.0	0.0	238	302	314	340	128	247
7	196	0.0	0.0	0.0	0.0	0.0	238	298	313	344	131	247
8	197	0.0	0.0	0.0	0.0	0.0	244	297	307	344	121	245
9	190	0.0	0.0	0.0	0.0	0.0	244	258	307	339	121	247
10	174	0.0	0.0	0.0	0.0	0.0	244	252	311	328	123	247
11	175	0.0	0.0	0.0	0.0	0.0	246	297	311	330	143	247
12	176	0.0	0.0	0.0	0.0	0.0	244	297	269	330	152	248
13	176	0.0	0.0	0.0	0.0	0.0	246	297	247	328	168	250
14	162	0.0	0.0	0.0	0.0	0.0	272	297	247	342	229	250
15	147	0.0	0.0	0.0	0.0	0.0	273	298	302	342	248	236
16	145	0.0	0.0	0.0	0.0	69	275	298	346	340	248	213
17	145	0.0	0.0	0.0	0.0	154	277	300	348	344	249	213
18	143	0.0	0.0	0.0	0.0	116	272	300	346	275	264	216
19	136	0.0	0.0	0.0	0.0	118	275	300	346	247	290	213
20	134	0.0	0.0	0.0	0.0	119	290	290	280	247	311	213
21	144	0.0	0.0	0.0	0.0	122	300	270	252	264	311	210
22	151	0.0	0.0	0.0	0.0	122	300	273	252	307	307	198
23	151	0.0	0.0	0.0	0.0	121	305	273	253	309	307	201
24	123	0.0	0.0	0.0	0.0	119	305	270	253	307	309	201
25	0.0	0.0	0.0	0.0	0.0	117	307	272	248	305	295	200
26	0.0	0.0	0.0	0.0	0.0	118	307	267	248	255	242	198
27	0.0	0.0	0.0	0.0	0.0	119	270	264	247	214	241	200
28	0.0	0.0	0.0	0.0	0.0	125	277	264	280	250	244	197
29	0.0	0.0	0.0	0.0	---	122	297	262	330	238	241	197
30	0.0	0.0	0.0	0.0	---	166	297	267	342	84	242	197
31	0.0	---	0.0	0.0	---	179	---	290	---	83	242	---
TOTAL	3763	0.00	0.0	0.0	0.0	2006	7745	8841	8936	9140	6443	6759
MEAN	121	0.00	0.0	0.0	0.0	64.7	258	285	298	295	208	225
AC-FT	7460	0.01	0.0	0.0	0.0	3980	15360	17540	17720	18130	12780	13410
MAX	197	0.00	0.0	0.0	0.0	179	307	302	348	344	311	250
MIN	0.0	0.0	0.0	0.0	0.0	0.0	176	252	247	83	80	197

CAL YR 1997 TOTAL 56323.00 MEAN 154 MAX 351 MIN 0.00 AC-FT 111700
WTR YR 1998 TOTAL 53633.01 MEAN 147 MAX 348 MIN 0.00 AC-FT 106400

MAX DISCH 351 CFS AT 1330 16-JUN-1998 GH 3.09 FT. SHIFT 0.00 FT. MAX GH 3.09 FT. AT 1330 16-JUN-1998

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.

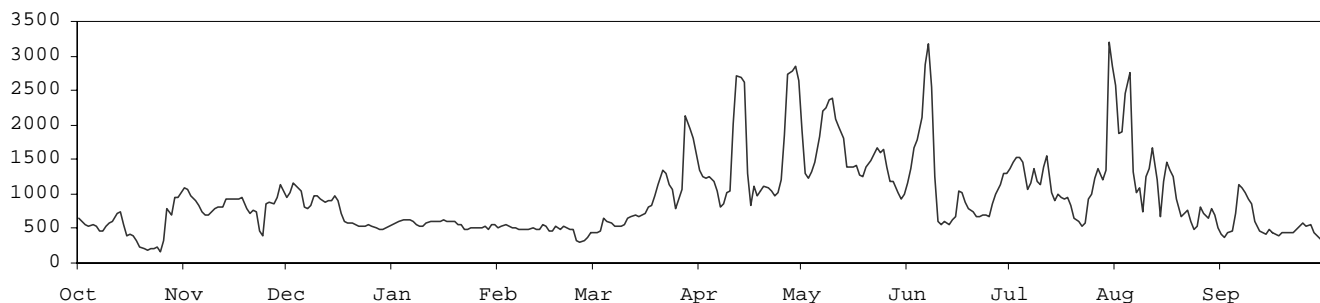
DRAINAGE AREA.--10,901 mi².REMARKS.--Record fair, except that for periods of ice effect and manometer malfunction, which is poor.
Record is a compilation of Catlin Dam and Catlin Canal records developed by Div. II staff.

CATLIN COMBINED

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	654	1090	956	552	505	440	1350	1920	1170	1370	2570	410
2	592	1070	1020	570	523	433	1250	1290	1370	1460	1880	374
3	560	963	1150	597	558	460	1240	1220	1660	1540	1900	444
4	541	896	1120	630	536	654	1260	1330	1790	1520	2450	473
5	545	823	1040	633	521	600	1180	1470	2120	1450	2760	727
6	528	749	816	632	507	579	1050	1820	2880	1070	1320	1130
7	452	698	797	601	488	544	818	2200	3170	1160	1030	1090
8	458	704	835	553	489	536	865	2250	2550	1360	1080	1020
9	524	752	980	531	498	536	1010	2360	1250	1190	744	916
10	580	793	971	538	492	547	1050	2380	595	1140	1250	859
11	600	821	937	581	499	638	2010	2090	559	1380	1360	595
12	716	822	880	597	494	680	2720	1980	612	1550	1670	458
13	731	931	895	602	488	704	2680	1800	563	1020	1210	429
14	550	923	914	596	563	663	2610	1400	616	912	668	418
15	400	932	966	596	525	684	1290	1400	679	995	1180	493
16	413	924	913	632	470	712	825	1380	1040	955	1450	438
17	403	928	730	597	470	804	1120	1410	1020	924	1350	406
18	330	947	610	609	525	843	984	1280	889	961	1260	397
19	222	786	591	593	489	982	1040	1250	792	824	936	429
20	198	729	589	547	525	1130	1110	1390	744	656	672	450
21	197	771	560	547	501	1340	1100	1490	680	596	714	449
22	204	745	527	478	491	1300	1040	1570	664	535	771	450
23	204	463	532	497	476	1140	964	1680	703	579	598	478
24	229	397	535	503	324	1060	1010	1610	699	938	488	531
25	162	848	558	515	303	791	1210	1640	682	993	528	573
26	313	878	535	508	324	934	1850	1380	856	1220	812	533
27	784	857	504	520	380	1070	2740	1180	993	1360	720	564
28	691	939	476	530	436	2140	2780	1180	1130	1200	653	434
29	939	1130	484	490	---	1940	2850	1020	1290	1340	796	399
30	953	1040	519	567	---	1810	2650	923	1290	3200	689	359
31	1020	---	539	558	---	1570	---	1000	---	2850	511	---
TOTAL	15693	25349	23479	17500	13400	28264	45656	48293	35056	38248	36020	16726
MEAN	506	845	757	565	479	912	1522	1558	1169	1234	1162	558
AC-FT	31130	50280	46570	34710	26580	56060	90560	95790	69530	75860	71450	33180
MAX	1020	1130	1150	633	563	2140	2850	2380	3170	3200	2760	1130
MIN	162	397	476	478	303	433	818	923	559	535	488	359
CAL YR 1997 TOTAL		392105	MEAN	1074	MAX	5680	MIN	156	AC-FT	777700		
WTR YR 1998 TOTAL		343684	MEAN	942	MAX	3200	MIN	162	AC-FT	681700		

FOR 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 for the entire period. Record good. Station maintained and record developed by Div. II Personnel.

RATING TABLE.--CANSWKCO06 USED FROM 01-OCT-1997 TO 30-SEP-1998

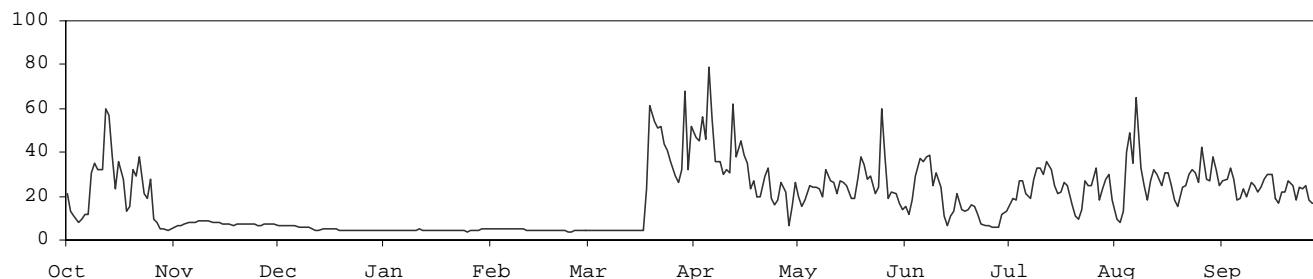
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	6.0	6.7	4.7	4.9	4.1	47	20	15	16	9.2	27
2	13	6.5	6.4	4.7	4.9	4.1	45	15	12	19	8.1	28
3	11	6.6	6.4	4.7	4.8	4.1	56	18	18	18	13	33
4	8.1	7.3	6.4	4.7	4.9	4.1	46	25	29	27	40	28
5	9.7	7.9	6.4	4.7	4.9	4.1	79	24	37	27	49	18
6	12	8.1	6.3	4.7	4.9	4.1	55	24	36	21	35	19
7	12	8.3	6.1	4.7	4.9	4.1	36	23	38	19	65	23
8	31	8.6	6.1	4.7	4.9	4.1	36	20	39	28	33	20
9	35	8.7	6.1	4.7	4.9	4.1	30	32	25	33	25	26
10	32	8.8	5.7	4.7	4.9	4.1	32	27	31	33	18	25
11	32	8.5	5.1	4.8	4.7	4.1	31	26	24	30	27	22
12	60	8.2	4.7	4.7	4.7	4.1	62	21	11	36	32	24
13	57	8.1	4.7	4.5	4.7	4.4	38	27	6.9	32	30	28
14	39	7.7	4.8	4.2	4.7	4.6	45	26	11	25	25	30
15	23	7.4	5.2	4.1	4.3	4.5	39	25	13	21	31	30
16	36	7.1	5.2	4.1	4.3	4.5	35	19	21	22	31	19
17	28	7.2	5.2	4.1	4.3	4.5	23	19	14	26	25	17
18	13	6.9	4.8	4.1	4.3	23	27	28	13	25	18	22
19	15	7.1	4.7	4.1	4.3	61	20	38	14	16	15	22
20	32	7.1	4.7	4.1	4.3	54	20	34	16	11	24	27
21	29	7.0	4.7	4.2	4.3	51	29	28	15	9.4	25	25
22	38	7.1	4.7	4.3	4.1	52	33	29	12	14	30	18
23	21	7.2	4.7	4.3	3.9	44	19	21	7.4	27	32	24
24	19	7.0	4.7	4.2	4.0	41	16	24	6.5	25	31	23
25	28	6.9	4.7	3.8	4.2	36	18	60	6.6	25	26	25
26	9.8	6.9	4.7	4.2	4.1	29	26	38	6.2	33	42	18
27	8.0	7.0	4.7	4.4	4.1	26	22	19	6.0	18	28	17
28	5.4	7.0	4.7	4.7	4.1	32	6.7	22	6.2	23	27	17
29	4.8	7.1	4.7	4.8	---	68	15	21	12	28	38	15
30	4.5	7.0	4.7	4.9	---	32	26	17	13	30	32	19
31	5.0	---	4.7	5.0	---	52	---	14	---	18	25	---
TOTAL	692.3	222.3	163.4	138.6	126.3	672.7	1012.7	784	514.8	735.4	889.3	689
MEAN	22.3	7.41	5.27	4.47	4.51	21.7	33.8	25.3	17.2	23.7	28.7	23.0
AC-FT	1370	441	324	275	251	1330	2010	1560	1020	1460	1760	1370
MAX	60	8.8	6.7	5.0	4.9	68	79	60	39	36	65	33
MIN	4.5	6.0	4.7	3.8	3.9	4.1	6.7	14	6.0	9.4	8.1	15

CAL YR 1997 TOTAL 6503.9 MEAN 17.8 MAX 263 MIN 1.3 AC-FT 12900
WTR YR 1998 TOTAL 6640.8 MEAN 18.2 MAX 79 MIN 3.8 AC-FT 13170

MAX DISCH 91 CFS AT 1100 29-MAR-1998 GH 3.00 FT. SHIFT 0.03 FT. MAX GH 3.02 FT. AT 1445 07-AUG-1998

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. Two wire weight gages on bridge serve as base gage. 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: Oct. 9-19, 1997 due to orifice line clogging; Oct. 23-Nov. 7, 1997 due to nitrogen leak in orifice line; Feb. 19-Mar. 4, 1998 due to sand build-up, gage partially isolated; Mar. 13-16, 1998 sand passing through control. Record fair to good, except for periods of bad gage height record, which is poor. Station maintained and record developed by Div. II personnel.

RATING TABLE.--ARKLAJCO37 USED FROM 01-OCT-1997 TO 30-SEP-1998

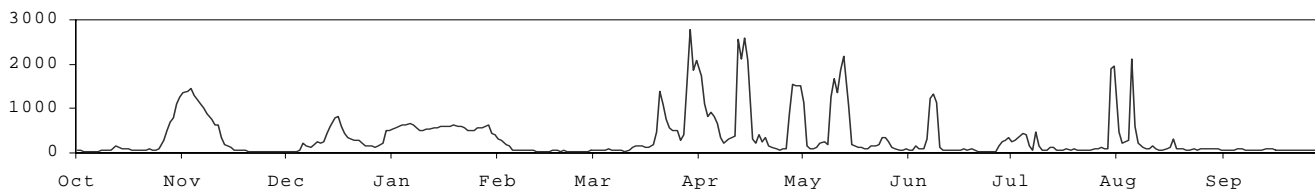
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	1350	39	534	318	51	1730	1140	65	254	458	69
2	50	1400	37	575	270	51	1120	168	64	284	229	65
3	41	1440	35	604	202	58	826	92	157	335	254	63
4	37	1300	31	633	161	63	920	106	103	452	275	75
5	37	1190	50	636	76	103	835	116	92	412	2130	80
6	41	1100	216	658	56	58	667	208	328	159	615	88
7	39	1020	144	633	51	55	339	259	1220	75	226	75
8	53	886	134	584	49	57	207	183	1340	476	138	65
9	63	759	180	516	49	54	303	1270	1140	144	81	63
10	69	645	240	513	48	47	337	1680	112	69	110	63
11	74	645	214	526	48	70	366	1360	78	63	173	59
12	145	362	260	542	47	125	2570	1860	78	128	83	66
13	126	191	430	570	46	153	2120	2180	71	138	73	79
14	108	164	599	582	44	159	2580	1080	51	61	71	83
15	98	122	783	597	43	150	2070	185	48	57	79	79
16	80	67	812	599	43	134	303	158	76	60	116	72
17	74	59	606	596	50	122	231	123	108	83	304	77
18	65	54	438	611	55	193	424	113	78	65	95	72
19	67	49	339	616	46	465	252	93	97	98	86	67
20	76	39	314	601	51	1400	332	92	59	71	79	68
21	73	34	297	585	43	1100	172	149	46	60	77	68
22	80	34	289	555	41	773	137	157	42	58	77	67
23	68	34	228	521	43	566	98	200	46	74	79	73
24	66	33	153	520	42	516	78	342	46	65	78	76
25	87	32	151	518	41	491	82	350	38	96	79	71
26	300	32	144	554	39	300	89	268	34	84	84	65
27	500	35	140	558	42	415	873	111	170	117	97	62
28	700	37	154	601	48	1570	1540	80	268	90	82	55
29	800	38	225	619	---	2780	1510	74	299	79	91	53
30	1100	39	500	457	---	1860	1530	70	341	1880	82	60
31	1260	---	511	418	---	2100	---	98	---	1960	68	---
TOTAL	6434	13190	8693	17632	2092	16039	24641	14365	6695	8047	6569	2078
MEAN	208	440	280	569	74.7	517	821	463	223	260	212	69.3
AC-FT	12760	26160	17240	34970	4150	31810	48880	28490	13280	15960	13030	4120
MAX	1260	1440	812	658	318	2780	2580	2180	1340	1960	2130	88
MIN	37	32	31	418	39	47	78	70	34	57	68	53

CAL YR 1997 TOTAL 170691 MEAN 468 MAX 4800 MIN 27 AC-FT 338600
WTR YR 1998 TOTAL 126475 MEAN 347 MAX 2780 MIN 31 AC-FT 250900

MAX DISCH 5170 CFS AT 2345 30-JUL-1998 GH 9.88 FT. SHIFT -0.05 FT. MAX GH 9.88 FT. AT 2345 30-JUL-1998

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: November 13-17, 20-23,27-30; December 1-6,10-31, 1997; January 1, 2, 4-10, 19-30; February 6, 8, 11, 13, 17, 28; and March 1, 2, 9-11, 1998, when stage-discharge relation was partially 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-1997 TO 30-SEP-1998

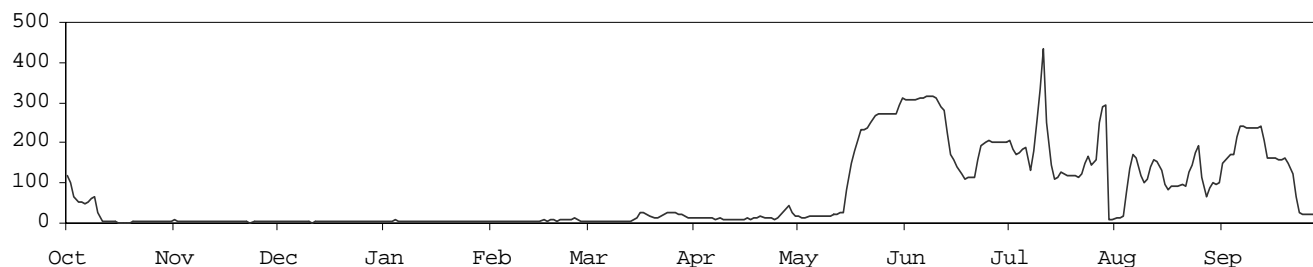
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	7.4	3.3	4.0	4.9	5.4	12	16	307	208	11	148
2	100	4.4	3.3	4.5	4.6	5.3	13	15	307	183	13	164
3	66	3.9	2.8	5.3	4.5	5.4	12	15	307	170	18	170
4	54	3.3	2.8	6.6	5.5	5.6	11	16	305	176	80	169
5	53	3.1	3.3	5.2	6.5	5.9	11	16	313	184	137	213
6	50	3.3	3.5	4.8	6.3	5.7	11	17	313	190	171	242
7	52	3.1	3.9	3.8	6.5	5.7	10	19	316	131	162	242
8	61	3.1	3.5	5.3	6.1	5.1	11	18	315	180	117	235
9	67	4.2	4.3	4.3	6.2	5.2	10	19	314	254	100	236
10	28	3.3	3.3	5.0	6.2	5.3	9.7	19	310	333	109	237
11	3.2	3.1	2.0	4.2	6.1	5.6	9.3	20	289	434	140	237
12	5.4	3.0	2.6	4.6	6.0	5.0	9.5	20	279	252	159	240
13	3.5	3.8	3.5	4.0	5.3	6.1	9.7	25	224	146	153	205
14	2.9	3.4	3.9	4.1	6.0	8.1	9.6	27	172	110	132	164
15	2.3	2.7	3.9	3.9	5.9	11	10	84	160	114	96	164
16	2.1	2.7	4.1	4.1	6.9	28	13	150	140	126	83	161
17	2.0	2.5	4.1	4.3	6.1	25	10	180	124	123	91	157
18	2.0	2.5	4.5	4.4	6.7	20	12	206	109	120	93	158
19	2.0	2.7	4.5	4.3	6.6	16	12	233	112	118	93	162
20	2.6	2.9	4.0	4.6	6.4	15	16	233	114	120	95	147
21	3.9	3.7	3.9	4.2	6.8	15	14	237	112	116	93	122
22	3.2	3.2	3.7	4.5	7.0	16	12	249	158	124	127	64
23	2.4	2.1	3.3	4.5	7.6	20	11	268	194	148	144	25
24	2.8	2.6	3.2	4.7	8.6	26	10	270	203	167	174	21
25	3.2	3.1	3.0	5.3	11	27	11	270	204	144	192	22
26	4.0	3.2	2.8	4.8	8.0	25	21	271	203	158	112	22
27	3.4	2.8	3.3	5.4	6.3	24	34	270	203	250	66	20
28	4.4	3.0	3.2	4.7	5.6	20	44	270	203	290	88	20
29	5.0	3.3	3.2	4.9	---	16	28	270	203	295	100	22
30	5.4	3.4	3.5	4.2	---	15	19	295	203	10	98	24
31	5.9	---	3.9	5.3	---	13	---	310	---	8.5	99	---
TOTAL	722.6	98.8	108.1	143.8	180.2	411.4	425.8	4328	6716	5382.5	3346	4213
MEAN	23.3	3.29	3.49	4.64	6.44	13.3	14.2	140	224	174	108	140
AC-FT	1430	196	214	285	357	816	845	8580	13320	10680	6640	8360
MAX	120	7.4	4.5	6.6	11	28	44	310	316	434	192	242
MIN	2.0	2.1	2.0	3.8	4.5	5.0	9.3	15	109	8.5	11	20

CAL YR 1997 TOTAL 28227.34 MEAN 77.3 MAX 337 MIN 0.85 AC-FT 55990
WTR YR 1998 TOTAL 26076.2 MEAN 71.4 MAX 434 MIN 2.0 AC-FT 51720

MAX DISCH 553 CFS AT 1230 27-JUL-1998 GH 3.01 FT. SHIFT 0.06 FT. MAX GH 3.01 FT. AT 1230 27-JUL-1998

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 for the entire year. 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-1997 TO 30-SEP-1998

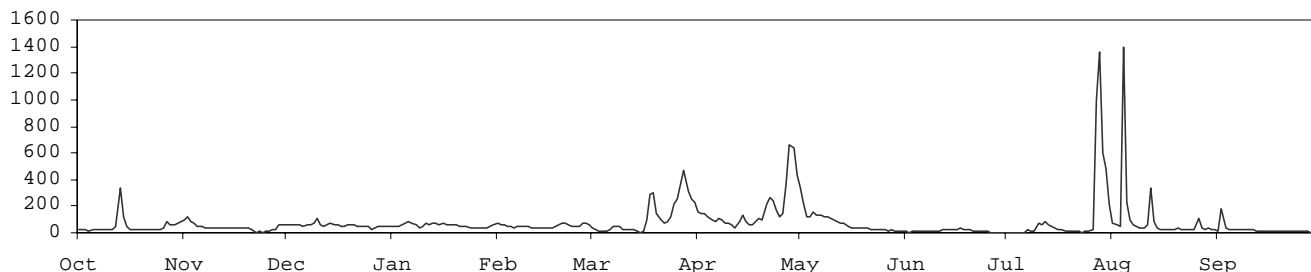
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	94	58	52	67	42	153	337	11	0.0	69	17
2	22	125	59	51	62	23	139	222	5.5	0.0	55	184
3	23	86	60	52	59	13	142	120	11	0.0	53	32
4	18	68	62	62	52	13	124	126	11	0.0	1400	30
5	19	53	58	68	43	14	92	160	12	0.0	227	23
6	19	48	49	88	42	21	83	127	14	0.0	93	23
7	20	42	57	67	45	46	113	134	14	24	62	21
8	19	41	60	58	45	48	100	124	14	14	45	19
9	19	36	71	41	45	44	73	115	15	7.7	35	20
10	20	34	105	54	43	20	71	112	15	76	34	21
11	19	33	60	74	42	23	57	91	17	56	61	23
12	49	32	43	63	42	22	35	90	20	83	340	17
13	339	32	64	72	42	20	82	77	21	57	88	12
14	115	32	71	69	42	9.8	138	67	22	52	37	10
15	49	32	66	60	42	3.3	89	52	22	31	25	10
16	30	35	58	69	42	6.2	62	41	20	28	19	10
17	28	36	54	63	42	96	59	36	31	28	24	15
18	22	32	52	57	51	286	81	38	21	17	28	14
19	21	36	57	56	66	304	109	38	23	13	30	17
20	22	32	59	56	70	142	95	36	19	14	37	15
21	23	22	59	47	70	99	213	33	14	14	23	12
22	26	5.7	52	46	60	78	263	28	14	6.7	29	13
23	28	7.0	48	48	54	84	236	20	13	2.1	28	13
24	26	5.1	48	37	50	121	171	22	9.8	7.2	26	14
25	23	15	51	33	49	213	118	22	7.7	7.4	23	12
26	31	18	25	39	72	252	142	20	2.8	21	106	12
27	82	28	42	39	76	364	365	18	0.0	1000	39	12
28	60	30	47	41	55	468	664	21	0.0	1360	25	4.8
29	59	57	43	41	---	315	639	15	0.0	604	34	0.0
30	72	55	49	49	---	252	439	15	0.0	476	28	27
31	88	---	46	59	---	224	---	14	---	222	24	---
TOTAL	1415	1201.8	1733	1711	1470	3666.3	5147	2371	399.8	4221.1	3147	652.8
MEAN	45.6	40.1	55.9	55.2	52.5	118	172	76.5	13.3	136	102	21.8
AC-FT	2810	2380	3440	3390	2920	7270	10210	4700	793	8370	6240	1290
MAX	339	125	105	88	76	468	664	337	31	1360	1400	184
MIN	18	5.1	25	33	42	3.3	35	14	0.0	0.0	19	0.0

CAL YR 1997 TOTAL 15676.61 MEAN 42.9 MAX 1150 MIN 0.00 AC-FT 31090
WTR YR 1998 TOTAL 27135.8 MEAN 74.3 MAX 1400 MIN 0.00 AC-FT 53820

MAX DISCH 3025 CFS AT 1500 04-AUG-1998 GH 5.31 FT. SHIFT 0.06 FT. MAX GH 5.31 FT. AT 1500 04-AUG-1998

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 complete but unreliable due to many periods of mud in well, infrequent visits, and gages being set incorrectly. Backup chart record incomplete and unreliable due to clock stoppages and mud in well. When DCP records were missing chart record was used if available. When both inside records of stage were poor, outside staff gage readings were used to correct the record. Record poor due to unreliable gage-height record and lack of measurements. Station maintained and record developed by Div. II personnel.

RATING TABLE.--NMCHIGCO STD06FTPF USED FROM 01-OCT-1997 TO 30-SEP-1998

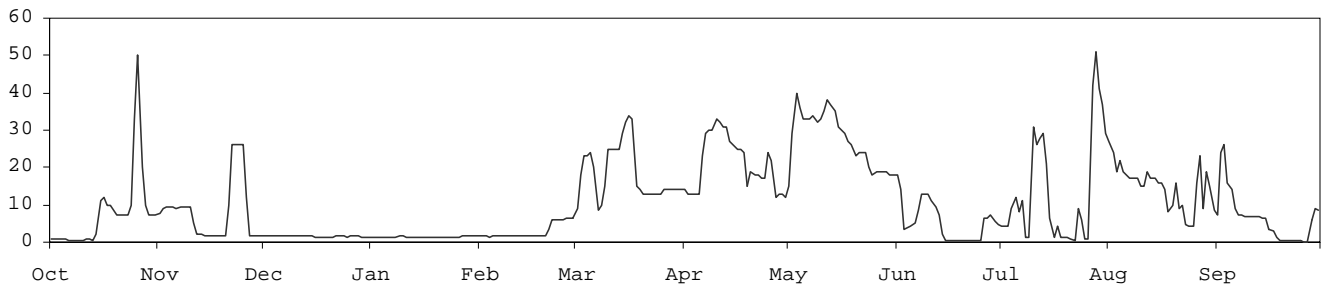
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.82	7.9	1.7	1.4	1.6	9.2	14	15	18	4.3	27	7.1
2	0.77	9.0	1.7	1.4	1.6	18	13	29	14	4.2	24	24
3	0.71	9.5	1.7	1.4	1.6	23	13	40	3.4	4.2	19	26
4	0.71	9.5	1.6	1.4	1.5	23	13	36	3.9	9.2	22	16
5	0.66	9.4	1.6	1.4	1.7	24	13	33	4.2	12	19	14
6	0.61	9.2	1.6	1.4	1.7	20	23	33	5.3	8.3	18	9.1
7	0.53	9.5	1.6	1.4	1.7	8.5	29	33	8.7	11	17	7.4
8	0.52	9.5	1.6	1.5	1.7	9.8	30	34	13	1.5	17	7.2
9	0.57	9.5	1.6	1.6	1.7	15	30	32	13	1.4	17	7.0
10	0.63	9.5	1.6	1.6	1.7	25	33	33	13	31	15	7.0
11	0.71	5.2	1.6	1.5	1.7	25	32	35	11	26	15	6.8
12	0.66	2.0	1.7	1.4	1.7	25	31	38	9.5	28	19	6.7
13	0.59	2.0	1.7	1.4	1.8	25	31	37	7.3	29	17	6.7
14	2.1	1.8	1.8	1.4	1.8	29	27	35	2.3	21	17	6.5
15	11	1.8	1.6	1.4	1.8	32	26	31	0.27	6.3	16	6.5
16	12	1.8	1.4	1.4	1.8	34	25	30	0.22	1.4	16	3.3
17	10	1.8	1.4	1.4	1.8	33	25	29	0.43	4.3	14	2.8
18	10	1.8	1.4	1.4	1.8	15	24	27	0.37	1.2	8.1	1.5
19	8.5	1.7	1.4	1.4	1.7	14	15	26	0.32	1.2	10	0.35
20	7.2	1.7	1.4	1.4	1.7	13	19	23	0.34	1.2	16	0.32
21	7.2	9.7	1.5	1.4	3.4	13	18	24	0.28	0.91	8.8	0.27
22	7.2	26	1.6	1.4	6.0	13	18	24	0.28	0.58	9.8	0.27
23	7.2	26	1.6	1.4	6.0	13	17	24	0.31	8.8	4.7	0.27
24	10	26	1.6	1.4	6.0	13	17	20	0.38	5.9	4.5	0.27
25	33	26	1.5	1.4	6.0	13	24	18	0.47	0.90	4.4	0.25
26	50	12	1.6	1.5	6.3	14	22	19	6.6	0.84	16	0.20
27	20	1.8	1.6	1.6	6.5	14	12	19	6.6	42	23	0.20
28	10	1.7	1.6	1.6	6.3	14	13	19	7.1	51	9.0	6.2
29	7.2	1.7	1.5	1.6	---	14	13	19	5.7	41	19	8.8
30	7.2	1.7	1.4	1.6	---	14	12	18	4.6	37	15	8.7
31	7.4	---	1.4	1.6	---	14	---	18	---	29	8.7	---
TOTAL	235.70	246.7	48.6	45.1	80.6	569.5	632	851	160.88	424.64	466.0	191.70
MEAN	7.60	8.22	1.57	1.45	2.88	18.4	21.1	27.5	5.36	13.7	15.0	6.39
AC-FT	468	489	96	89	160	1130	1250	1690	319	842	924	380
MAX	50	26	1.8	1.6	6.5	34	33	40	18	51	27	26
MIN	0.52	1.7	1.4	1.4	1.5	8.5	12	15	0.22	0.58	4.4	0.20

CAL YR 1997 TOTAL 3857.84 MEAN 10.6 MAX 50 MIN 0.35 AC-FT 7650
WTR YR 1998 TOTAL 3952.41 MEAN 10.8 MAX 51 MIN 0.20 AC-FT 7840

MAX DISCH 78 CFS AT 1300 27-JUL-1998 GH 2.03 FT. SHIFT -0.04 FT. MAX GH 2.03 FT. AT 1300 27-JUL-1998

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.

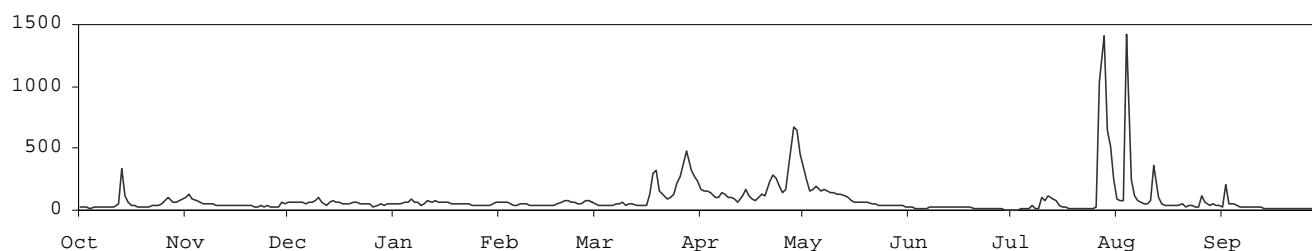
GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,240.59 ft above National Geodetic Vertical Datum of 1929.

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. The peak discharge for the year was approximately 3040 on August 4, 1998. Combined records are considered fair to poor. During periods of flow over 2000 cfs, record is poor. Station maintained and record developed by Div. II personnel.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	102	60	53	69	51	167	352	29	4.3	96	24
2	23	134	61	52	64	41	152	251	20	4.2	79	208
3	24	96	62	53	61	36	155	160	14	4.2	72	58
4	19	78	64	63	54	36	137	162	15	9.2	1420	46
5	20	62	60	69	45	38	105	193	16	12	246	37
6	20	57	51	89	44	41	106	160	19	8.3	111	32
7	21	52	59	68	47	54	142	167	23	35	79	28
8	20	50	62	60	47	58	130	158	27	16	62	26
9	20	46	73	43	47	59	103	147	28	9.1	52	27
10	21	44	107	56	45	45	104	145	28	107	49	28
11	20	38	62	76	44	48	89	126	28	82	76	30
12	50	34	45	64	44	47	66	128	30	111	359	24
13	340	34	66	73	44	45	113	114	28	86	105	19
14	117	34	73	70	44	39	165	102	24	73	54	16
15	60	34	68	61	44	35	115	83	22	37	41	16
16	42	37	59	70	44	40	87	71	20	29	35	13
17	38	38	55	64	44	129	84	65	31	32	38	18
18	32	34	53	58	53	301	105	65	21	18	36	16
19	30	38	58	57	68	318	124	64	23	14	40	17
20	29	34	60	57	72	155	114	59	19	15	53	15
21	30	32	60	48	73	112	231	57	14	15	32	12
22	33	32	54	47	66	91	281	52	14	7.3	39	13
23	35	33	50	49	60	97	253	44	13	11	33	13
24	36	31	50	38	56	134	188	42	10	13	30	14
25	56	41	52	34	55	226	142	40	8.2	8.3	27	12
26	81	30	27	40	78	266	164	39	9.4	22	122	12
27	102	30	44	41	82	378	377	37	6.6	1040	62	12
28	70	32	49	43	61	482	677	40	7.1	1410	34	11
29	66	59	44	43	---	329	652	34	5.7	645	53	8.8
30	79	57	50	51	---	266	451	33	4.6	513	43	36
31	95	---	47	61	---	238	---	32	---	251	33	---
TOTAL	1654	1453	1785	1751	1555	4235	5779	3222	557.6	4641.9	3611	841.8
MEAN	53.4	48.4	57.6	56.5	55.5	137	193	104	18.6	150	116	28.1
AC-FT	3280	2880	3540	3470	3080	8400	11460	6390	1110	9210	7160	1670
MAX	340	134	107	89	82	482	677	352	31	1410	1420	208
MIN	19	30	27	34	44	35	66	32	4.6	4.2	27	8.8
CAL YR 1997 TOTAL	19530.72	MEAN	53.5	MAX	1150	MIN	0.61	AC-FT	38740			
WTR YR 1998 TOTAL	31086.3	MEAN	85.2	MAX	1420	MIN	4.2	AC-FT	61660			

FOR 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 is complete and reliable, except for May 22, 1998, when the stage-discharge relationship was affected by an ice block in the flume. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

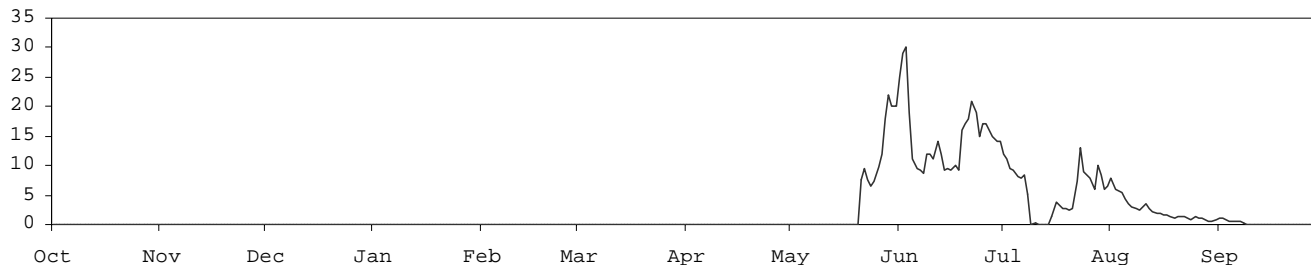
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	12	7.9	1.2
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	11	6.0	1.2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	9.5	5.6	0.93
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	9.2	5.4	0.64
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	8.1	4.4	0.61
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	7.8	3.5	0.52
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	8.3	3.0	0.42
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	5.2	2.6	0.28
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.08	2.5	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.21	3.1	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	3.6	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	2.7	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	2.1	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	2.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	1.4	1.8	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	3.7	1.6	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3.2	1.6	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	2.8	1.4	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	2.6	1.2	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	2.5	1.3	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	18	2.6	1.4	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	21	7.2	1.3	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	19	13	0.95	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	15	9.0	0.81	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	17	8.3	1.3	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	17	7.8	1.2	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	16	5.9	1.2	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	15	10	0.80	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	22	14	8.3	0.62	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	20	14	6.1	0.52	0.0
31	0.0	---	0.0	0.0	---	0.0	---	20	---	6.5	0.71	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140.2	448.4	172.29	74.12	5.80
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.52	14.9	5.56	2.39	0.19
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	278	889	342	147	12
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	30	13	7.9	1.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.52	0.0

CAL YR 1997 TOTAL 870.48 MEAN 2.38 MAX 37 MIN 0.00 AC-FT 1730

WTR YR 1998 TOTAL 840.81 MEAN 2.30 MAX 30 MIN 0.00 AC-FT 1670

MAX DISCH 45 CFS AT 1630 03-JUN-1998 GH 1.46 FT. SHIFT 0.03 FT. MAX GH 1.46 FT. AT 1630 03-JUN-1998

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 is complete and reliable except for the following periods: Aug. 30-31; Sep. 2-3, 1998, when DCP was not functioning and only partial days of chart record were available. Record fair. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

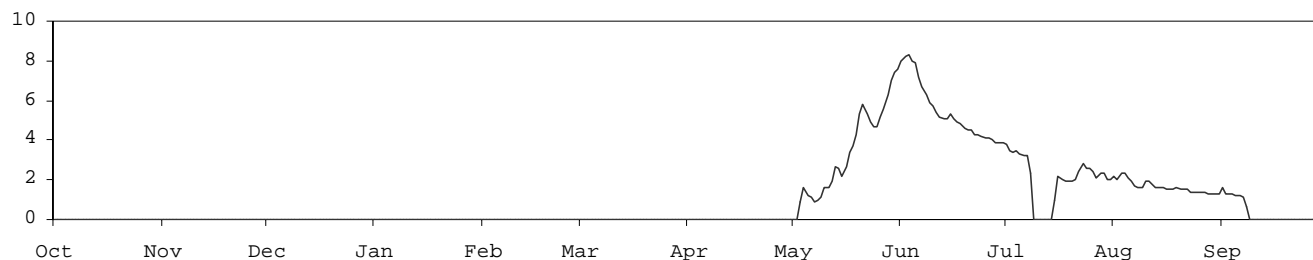
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	8.0	3.8	2.2	1.6
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	3.5	2.0	1.3
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.91	8.3	3.4	2.3	1.3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.0	3.5	2.3	1.3
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	7.9	3.3	2.1	1.2
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	7.2	3.2	1.9	1.2
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	6.7	3.2	1.7	1.1
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.98	6.3	2.3	1.6	0.62
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.9	0.0	1.6	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.7	0.0	1.9	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.4	0.0	1.9	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	5.2	0.0	1.8	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	5.1	0.0	1.6	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	5.1	0.0	1.6	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	5.3	0.98	1.6	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	5.1	2.2	1.5	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	4.9	2.0	1.5	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	4.8	1.9	1.5	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.6	1.9	1.6	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	4.5	1.9	1.5	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	4.5	2.0	1.5	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	4.3	2.4	1.5	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.3	2.8	1.4	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.2	2.6	1.4	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.1	2.6	1.4	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	4.1	2.4	1.4	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	4.0	2.1	1.4	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	3.9	2.3	1.3	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	7.0	3.9	2.3	1.3	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	7.4	3.9	2.0	1.3	0.0
31	0.0	---	0.0	0.0	---	0.0	---	7.6	---	2.0	1.3	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.27	163.4	62.58	50.9	9.62
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.36	5.45	2.02	1.64	0.32
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	207	324	124	101	19
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	8.3	3.8	2.3	1.6
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	1.3	0.0

CAL YR 1997 TOTAL 680.40 MEAN 1.86 MAX 16 MIN 0.00 AC-FT 1350
WTR YR 1998 TOTAL 390.77 MEAN 1.07 MAX 8.3 MIN 0.00 AC-FT 775

MAX DISCH 10.0 CFS AT 1645 01-JUN-1998 GH 0.77 FT. SHIFT -0.03 FT. MAX GH 0.77 FT. AT 1645 01-JUN-1998

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 in a 30" metal shelter.

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

RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

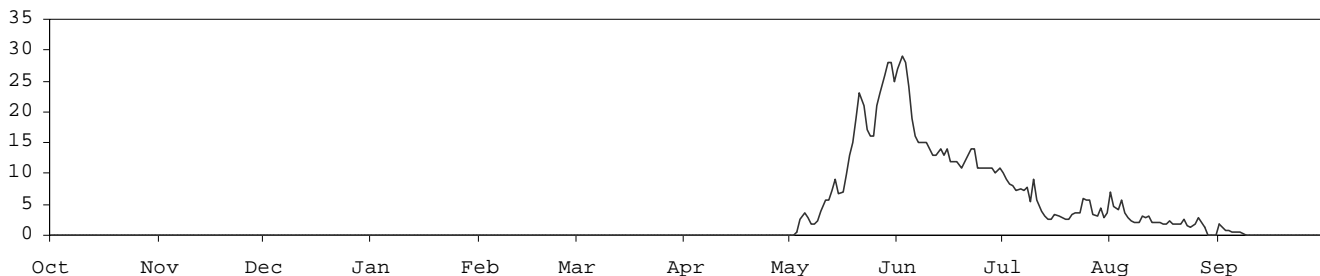
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	27	10	7.1	1.9
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	9.1	4.7	1.4
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.64	28	8.3	4.1	0.87
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	24	8.0	5.6	0.69
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	19	7.3	3.7	0.60
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	16	7.6	2.8	0.56
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	15	7.3	2.4	0.52
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	15	7.8	2.0	0.31
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	15	5.4	2.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	14	9.1	3.1	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	13	5.7	2.9	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	13	3.9	3.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	14	3.1	2.2	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	13	2.6	2.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	14	2.7	2.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	12	3.4	1.9	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	12	3.2	1.9	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	12	2.9	2.4	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	11	2.7	1.8	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	12	2.5	1.7	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	13	3.3	1.9	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	14	3.7	2.5	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	14	3.6	1.6	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	11	6.0	1.4	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	11	5.8	1.7	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	11	5.6	2.9	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	11	3.3	2.2	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	11	3.2	1.2	0.0
29	0.0	0.0	0.0	0.0	0.0	---	0.0	28	10	4.3	0.01	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	28	11	2.9	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	25	---	3.6	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	361.64	445	157.9	74.71	6.84
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	14.8	5.09	2.41	0.23
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	717	883	313	148	14
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	29	10	7.1	1.9
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	2.5	0.0	0.0

CAL YR 1997 TOTAL 2107.6 MEAN 5.77 MAX 73 MIN 0.00 AC-FT 4180
WTR YR 1998 TOTAL 1046.10 MEAN 2.87 MAX 29 MIN 0.00 AC-FT 2070

MAX DISCH 39 CFS AT 2100 02-JUN-1998 GH 1.31 FT. SHIFT 0.04 FT. MAX GH 1.31 FT. AT 2100 02-JUN-1998

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 in a 30" metal shelter.

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

RATING TABLE.--WUREXDCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

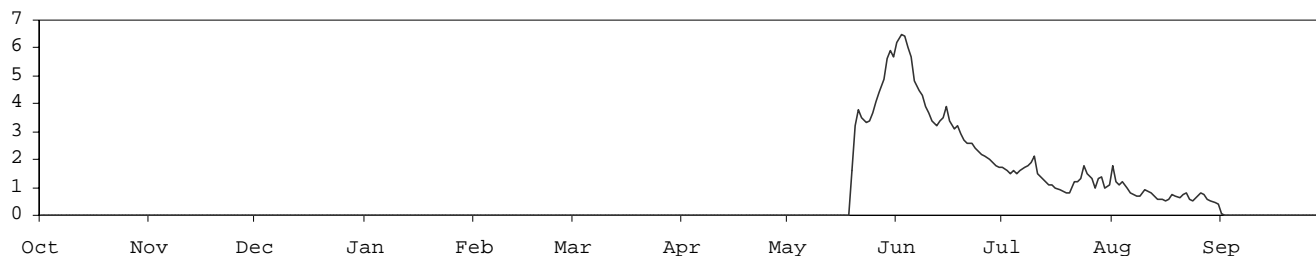
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	6.2	1.7	1.8	0.05
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	1.6	1.2	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	1.5	1.1	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.6	1.2	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	1.5	0.96	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	1.6	0.79	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	1.7	0.73	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	1.8	0.68	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.9	0.67	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	2.1	0.93	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	1.5	0.85	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.3	0.82	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	1.2	0.67	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.1	0.57	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.1	0.55	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.97	0.49	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.92	0.55	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.85	0.73	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.9	0.81	0.67	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	2.7	0.79	0.64	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	2.6	1.2	0.72	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.6	1.2	0.78	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	2.4	1.3	0.58	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	2.3	1.8	0.52	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	2.2	1.5	0.67	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.1	1.3	0.81	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	2.0	1.0	0.72	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	1.9	1.3	0.55	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	5.6	1.8	1.4	0.49	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	5.9	1.7	0.97	0.46	0.0
31	0.0	---	0.0	0.0	---	0.0	---	5.7	---	1.1	0.40	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.1	106.3	41.60	23.30	0.05
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.71	3.54	1.34	0.75	0.00
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	211	83	46	0.10
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	6.5	2.1	1.8	0.05
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.79	0.40	0.0

CAL YR 1997 TOTAL 609.16 MEAN 1.67 MAX 24 MIN 0.00 AC-FT 1210
WTR YR 1998 TOTAL 224.35 MEAN 0.61 MAX 6.5 MIN 0.00 AC-FT 445

MAX DISCH 8.7 CFS AT 2000 01-JUN-1998 GH 0.53 FT. SHIFT 0.00 FT. MAX GH 0.53 FT. AT 2000 01-JUN-1998

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.--Graphic water-stage recorder in a 4'x 4' wood shelter at a 12' Parshall flume. Satellite monitored DCP is the primary source of data. Satellite and chart are set to inside staff gage.

REMARKS.--Record is complete and reliable. Record good. Station maintained and records developed by Div. II personnel.

RATING TABLE.--HOMTUNCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

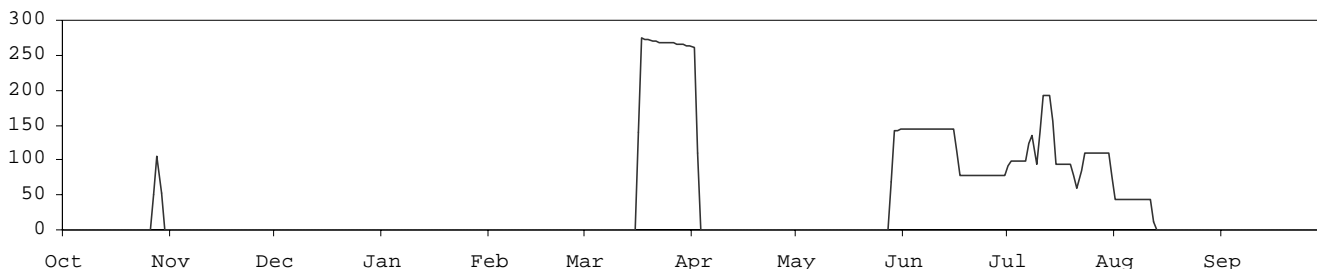
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	262	0.0	144	91	44	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	109	0.0	144	99	44	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	99	44	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	99	44	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	99	44	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	99	44	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	123	44	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	135	44	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	94	44	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	140	44	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	193	44	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	193	11	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	193	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	156	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	93	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	139	0.0	0.0	113	94	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	274	0.0	0.0	77	94	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	273	0.0	0.0	77	94	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	273	0.0	0.0	77	94	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	271	0.0	0.0	78	79	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	271	0.0	0.0	78	59	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	269	0.0	0.0	78	85	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	269	0.0	0.0	78	110	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	268	0.0	0.0	78	110	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	268	0.0	0.0	78	111	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	267	0.0	0.0	78	111	0.0	0.0
27	51	0.0	0.0	0.0	0.0	266	0.0	0.0	78	111	0.0	0.0
28	106	0.0	0.0	0.0	0.0	265	0.0	68	78	110	0.0	0.0
29	53	0.0	0.0	0.0	---	265	0.0	143	78	111	0.0	0.0
30	0.0	0.0	0.0	0.0	---	264	0.0	143	78	111	0.0	0.0
31	0.0	---	0.0	0.0	---	263	---	144	---	75	0.0	---
TOTAL	210	0.0	0.0	0.0	0.0	4165	371	498	3368	3465	495	0.0
MEAN	6.77	0.0	0.0	0.0	0.0	134	12.4	16.1	112	112	16.0	0.0
AC-FT	417	0.0	0.0	0.0	0.0	8260	736	988	6680	6870	982	0.0
MAX	106	0.0	0.0	0.0	0.0	274	262	144	145	193	44	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77	59	0.0	0.0

CAL YR 1997 TOTAL 18929.01 MEAN 51.9 MAX 288 MIN 0.00 AC-FT 37550
WTR YR 1998 TOTAL 12572 MEAN 34.4 MAX 274 MIN 0.00 AC-FT 24940

MAX DISCH 277 CFS AT 1315 16-MAR-1998 GH 3.00 FT. SHIFT 0.04 FT. MAX GH 3.00 FT. AT 1315 16-MAR-1998

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.--Graphic water-stage recorder with satellite monitored DCP in a 5'x 5' concrete shelter at a 12' Parshall flume. Satellite and chart are set to outside staff gage.

REMARKS.--Record is complete and reliable. Record is good. Station maintained and records developed by Div. II personnel.

RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

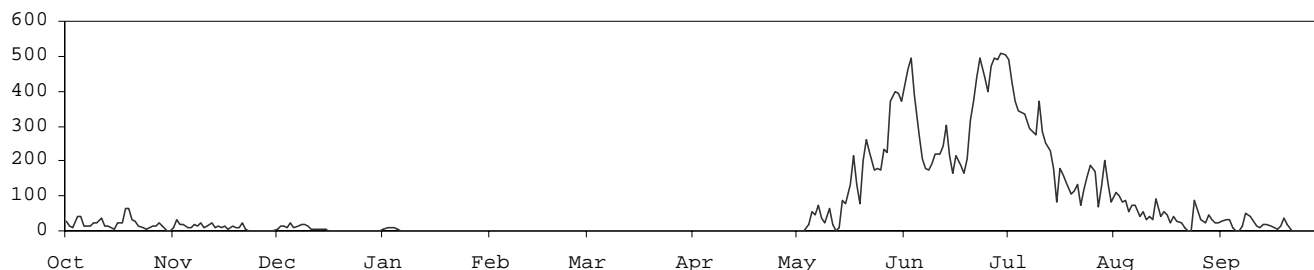
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	11	3.9	2.7	0.66	0.46	0.21	0.36	416	488	112	29
2	16	31	13	7.9	0.66	0.44	0.13	0.39	463	427	101	33
3	10	19	12	7.9	0.67	0.42	0.13	0.46	494	373	82	32
4	43	19	11	7.8	0.73	0.44	0.15	18	390	344	89	11
5	40	7.9	21	5.3	0.76	0.42	0.18	56	273	337	54	0.99
6	13	7.3	8.3	0.82	0.73	0.40	0.17	47	208	334	71	1.2
7	12	17	14	0.82	0.75	0.41	0.22	73	179	291	73	12
8	16	14	20	0.82	0.80	0.40	0.29	36	175	282	41	49
9	22	22	19	0.81	0.82	0.43	0.28	23	193	277	53	43
10	22	9.9	15	0.71	0.71	0.45	0.30	64	220	373	34	27
11	37	13	4.4	0.66	0.46	0.45	0.26	20	222	286	43	16
12	16	22	2.7	0.66	0.52	0.47	0.27	1.1	244	254	32	9.0
13	15	11	3.0	0.66	0.52	0.47	0.29	8.2	304	228	90	20
14	11	13	5.3	0.66	0.51	0.47	0.29	85	216	178	41	17
15	2.3	10	2.9	0.66	0.53	0.45	0.27	76	166	82	53	16
16	24	14	0.71	0.66	0.48	0.32	0.15	134	213	179	48	11
17	24	4.7	0.66	0.67	0.44	0.22	0.13	216	186	161	23	5.7
18	63	14	0.72	0.67	0.46	0.20	0.18	132	165	139	39	14
19	62	7.7	0.83	0.66	0.50	0.20	0.25	76	207	106	27	37
20	30	6.9	0.99	0.67	0.45	0.14	0.29	200	318	116	22	18
21	29	22	0.99	0.74	0.50	0.19	0.25	259	370	134	7.8	2.1
22	13	5.1	0.99	0.81	0.52	0.22	0.13	224	438	74	1.2	0.21
23	11	0.69	1.0	0.82	0.54	0.28	0.13	174	496	117	1.4	0.18
24	5.8	0.67	0.99	0.82	0.54	0.32	0.16	178	441	156	89	0.18
25	10	0.73	0.99	0.81	0.55	0.32	0.17	175	399	188	58	0.17
26	14	0.82	0.99	0.82	0.50	0.31	0.22	233	471	169	32	0.17
27	12	0.80	0.99	0.84	0.44	0.33	0.27	226	494	69	24	0.17
28	24	0.90	0.99	0.82	0.45	0.34	0.30	369	492	128	47	0.17
29	13	0.99	0.99	0.82	---	0.34	0.32	400	508	201	33	0.17
30	1.6	0.99	0.99	0.73	---	0.33	0.33	395	506	136	21	0.17
31	1.9	---	0.99	0.66	---	0.23	---	372	---	82	21	---
TOTAL	642.6	308.09	170.31	50.90	16.20	10.89	6.75	4271.51	9867	6709	1463.4	405.59
MEAN	20.7	10.3	5.49	1.64	0.58	0.35	0.23	138	329	216	47.2	13.5
AC-FT	1270	611	338	101	32	22	13	8470	19570	13310	2900	804
MAX	63	31	21	7.9	0.82	0.47	0.33	400	508	488	112	49
MIN	1.6	0.67	0.66	0.66	0.44	0.14	0.13	0.36	165	69	1.2	0.17

CAL YR 1997 TOTAL 18322.41 MEAN 50.2 MAX 608 MIN 0.03 AC-FT 36340
WTR YR 1998 TOTAL 23922.24 MEAN 65.5 MAX 508 MIN 0.13 AC-FT 47450

MAX DISCH 564 CFS AT 0030 01-JUL-1998 GH 4.74 FT. SHIFT 0.00 FT. MAX GH 4.74 FT. AT 0030 01-JUL-1998

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 Fryingspan River in Colorado River basin, to Lake Fork in sec. 10, T. 9 S., R. 81 W., in Arkansas River basin.

GAGE--Graphic water-stage recorder with satellite DCP in a 5'x 5' concrete shelter at a 15' Parshall flume, with outside staff gage.

REMARKS--Record is complete and reliable. Record good. Station maintained and records developed by Div. II personnel.

RATING TABLE--BOUTUNCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

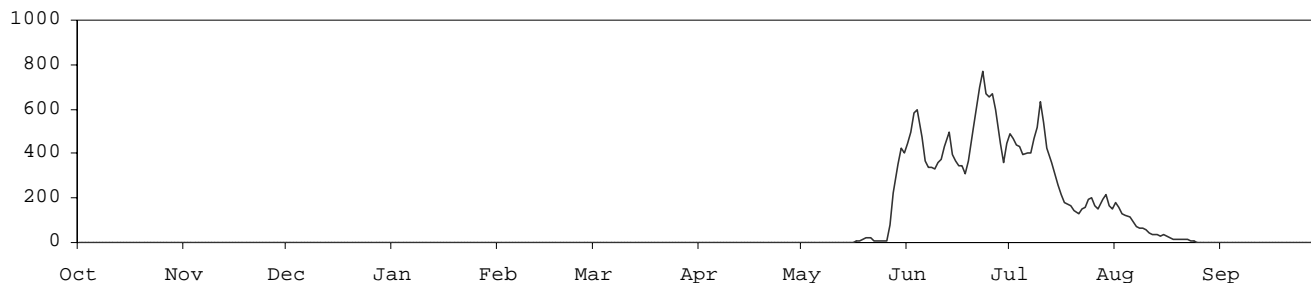
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	3.1	3.1	3.1	3.1	3.4	2.8	3.1	444	486	180	2.2
2	2.8	3.1	3.1	3.1	3.1	3.4	2.8	3.1	500	466	159	2.2
3	3.0	3.1	3.1	3.1	3.1	3.4	2.8	3.1	580	437	127	2.2
4	3.1	3.1	3.1	3.1	3.1	3.4	2.8	3.1	598	429	121	2.2
5	3.1	3.1	3.1	3.1	3.2	3.4	2.8	3.1	475	393	118	2.2
6	3.1	3.1	3.1	3.1	3.3	3.4	2.8	3.2	366	400	92	2.2
7	3.1	3.1	3.1	3.1	3.1	3.4	2.8	3.2	341	406	73	2.2
8	3.1	3.1	3.1	3.1	3.2	3.4	2.8	3.2	337	469	66	2.2
9	3.1	2.9	3.1	3.1	3.4	3.4	2.8	3.4	333	515	62	2.2
10	3.1	3.0	3.1	3.1	3.4	3.4	2.8	3.4	363	633	55	2.2
11	3.1	3.1	3.1	3.1	3.4	3.4	2.8	3.4	372	537	44	2.2
12	3.1	3.1	3.1	3.1	3.4	3.4	2.8	3.4	432	424	39	2.2
13	3.1	3.1	3.1	3.1	3.4	3.4	2.8	3.5	500	362	33	2.2
14	3.1	3.1	3.1	3.1	3.4	3.3	2.8	3.4	399	311	30	2.2
15	3.1	3.1	3.1	3.1	3.4	3.1	2.8	3.4	364	258	33	2.2
16	3.0	3.1	3.1	3.1	3.4	3.1	2.8	3.4	348	214	27	2.2
17	3.1	3.1	3.1	3.1	3.4	3.4	2.8	3.7	348	178	20	2.2
18	3.1	3.1	3.1	3.1	3.4	3.3	2.7	5.4	309	172	15	2.2
19	3.0	3.0	3.1	3.1	3.4	3.1	2.8	13	369	166	12	2.2
20	2.9	3.1	3.1	3.1	3.4	3.1	2.9	24	514	141	12	2.3
21	2.8	3.1	3.1	3.1	3.4	3.1	2.8	22	606	131	14	2.5
22	2.8	3.1	3.1	3.1	3.4	3.1	2.8	9.0	695	149	13	2.5
23	2.8	3.1	3.1	3.1	3.4	3.0	2.8	5.9	770	155	10	2.5
24	2.8	3.1	3.1	3.0	3.4	2.8	2.8	5.2	672	197	5.6	2.5
25	2.8	3.1	3.1	3.1	3.4	2.7	2.8	4.8	653	199	2.8	2.5
26	2.8	3.1	3.1	3.1	3.4	2.8	2.8	7.5	672	169	2.8	2.5
27	2.8	3.1	3.1	3.1	3.4	2.8	3.1	82	600	151	2.8	2.4
28	3.0	3.1	3.1	3.1	3.4	2.8	3.1	225	445	191	2.8	2.5
29	3.1	3.1	3.1	3.1	---	2.8	3.1	352	359	213	2.8	2.5
30	3.1	3.1	3.1	3.1	---	2.8	3.1	426	445	168	2.8	2.5
31	3.1	---	3.1	3.1	---	2.8	---	401	---	152	2.6	---
TOTAL	92.8	92.6	96.1	96.0	93.2	98.1	85.2	1638.9	14209	9272	1380.0	69.0
MEAN	2.99	3.09	3.10	3.10	3.33	3.16	2.84	52.9	474	299	44.5	2.30
AC-FT	184	184	191	190	185	195	169	3250	28180	18390	2740	137
MAX	3.1	3.1	3.1	3.1	3.4	3.4	3.1	426	770	633	180	2.5
MIN	2.8	2.9	3.1	3.0	3.1	2.7	2.7	3.1	309	131	2.6	2.2

CAL YR 1997 TOTAL 40099.7 MEAN 110 MAX 932 MIN 2.2 AC-FT 79540
WTR YR 1998 TOTAL 27222.9 MEAN 74.6 MAX 770 MIN 2.2 AC-FT 54000

MAX DISCH 920 CFS AT 2230 22-JUN-1998 GH 5.64 FT. SHIFT 0.00 FT. MAX GH 5.64 FT. AT 2230 22-JUN-1998

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--Graphic water-stage recorder in a 3'x3' metal and wood shelter at an 8' Parshall Flume. Satellite monitored DCP is the primary source of stage data. Satellite and chart are set to inside staff gage.

REMARKS--Record is complete and reliable. Record good. Station maintained and records developed by Div. II personnel.

RATING TABLE--BUSTUNCO02 USED FROM 01-OCT-1997 TO 30-SEP-1998

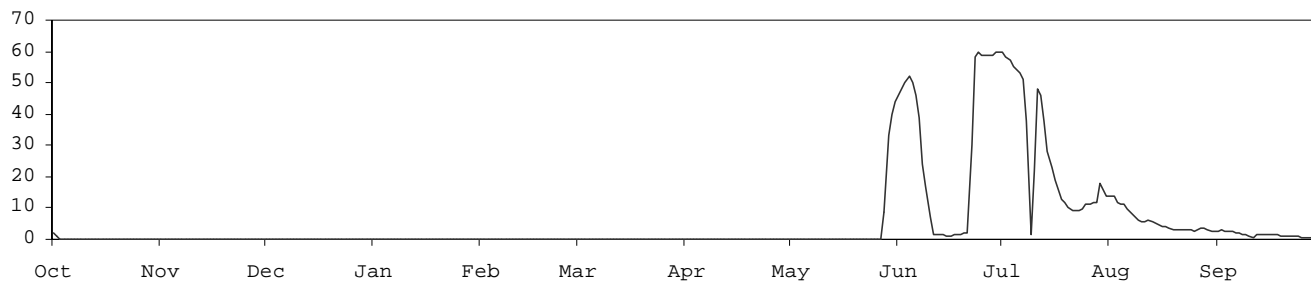
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	60	14	2.7
2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	58	14	3.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	57	12	2.8
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	55	11	2.6
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	54	11	2.3
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	53	9.6	2.1
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	51	8.1	1.8
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	38	7.0	1.7
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	1.7	6.3	1.7
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	22	5.6	1.2
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	48	5.4	0.76
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	46	5.9	1.6
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	38	5.6	1.5
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	28	5.1	1.4
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	23	4.6	1.4
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	19	4.3	1.5
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	16	4.0	1.4
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	13	3.7	1.3
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	12	3.3	1.2
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	10	3.2	1.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	9.2	3.0	0.92
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	9.1	3.2	0.81
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	9.0	3.2	0.79
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	9.9	3.0	0.78
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	11	2.8	0.67
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	11	3.1	0.55
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	12	3.4	0.48
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	59	12	3.4	0.45
29	0.0	0.0	0.0	0.0	---	0.0	0.0	33	60	18	3.0	0.36
30	0.0	0.0	0.0	0.0	---	0.0	0.0	40	60	16	2.7	0.34
31	0.0	---	0.0	0.0	---	0.0	---	44	---	14	2.4	---
TOTAL	2.9	0.0	0.0	0.0	0.0	0.0	0.0	125.8	900.0	833.9	176.9	41.09
MEAN	0.09	0.0	0.0	0.0	0.0	0.0	0.0	4.06	30.0	26.9	5.71	1.37
AC-FT	5.8	0.0	0.0	0.0	0.0	0.0	0.0	250	1790	1650	351	82
MAX	1.9	0.0	0.0	0.0	0.0	0.0	0.0	44	60	60	14	3.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.7	2.4	0.34

CAL YR 1997 TOTAL 2219.82 MEAN 6.08 MAX 57 MIN 0.00 AC-FT 4400
WTR YR 1998 TOTAL 2080.59 MEAN 5.70 MAX 60 MIN 0.00 AC-FT 4130

MAX DISCH 61 CFS AT 0745 24-JUN-1998 GH 1.46 FT. SHIFT 0.03 FT. MAX GH 1.46 FT. AT 0745 24-JUN-1998

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. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--LARDITCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

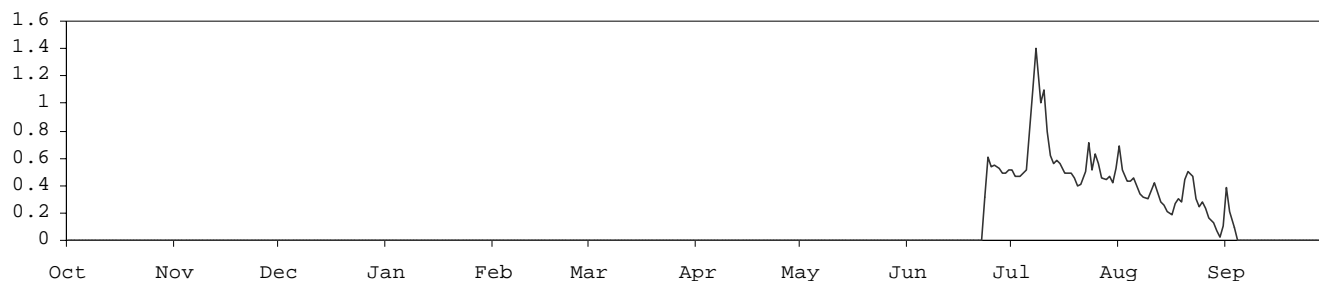
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	0.51	0.69	0.39
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.51	0.21
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.43	0.09
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.43	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.45	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.81	0.40	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.34	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.31	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.30	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.36	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	0.42	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.35	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.28	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58	0.26	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.21	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.19	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.27	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.30	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	0.28	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.44	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.41	0.50	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.47	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.32	0.71	0.30	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.51	0.24	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.54	0.63	0.28	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.56	0.23	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.52	0.46	0.16	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.44	0.13	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.49	0.47	0.07	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.51	0.42	0.02	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.52	0.11	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.03	18.93	9.72	0.69
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.61	0.31	0.02
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	38	19	1.4
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	1.4	0.69	0.39
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.02	0.0

CAL YR 1997 TOTAL 93.09 MEAN 0.26 MAX 2.8 MIN 0.00 AC-FT 185
WTR YR 1998 TOTAL 33.38 MEAN 0.09 MAX 1.4 MIN 0.00 AC-FT 66

MAX DISCH 4.1 CFS AT 1700 08-JUL-1998 GH 0.45 FT. SHIFT -0.03 FT. MAX GH 0.45 FT. AT 1700 08-JUL-1998

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.

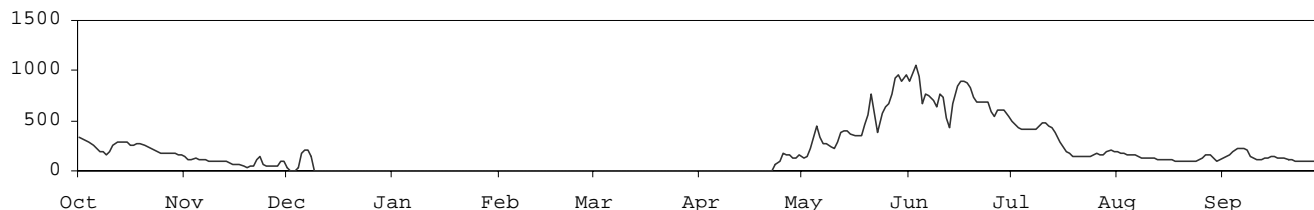
REMARKS.--Record is complete and reliable except for Nov. 14, 19, 27, 1997 when the chart recorder clock stopped and there was missing satellite data; Dec. 23, 1997-Apr. 3, 1998 when the station was closed for the winter; Nov. 17-18, 20-21, 24-25; Dec. 1-4, 1997; Apr. 4-20, 1998 when the station was isolated for periods during the day; Dec. 6-22, 1997 when the well was frozen; Apr. 21-30, 1998 when the inlets were frozen. Stage-discharge relation was affected by ice on Nov. 28-30; Dec. 5, 1997. 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.--RIOMILCO12 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	337	145	37	1.0	1.5	2.0	2.5	135	893	490	195	120
2	315	119	0.90	1.0	1.5	2.0	2.5	151	973	467	180	149
3	298	118	0.90	1.0	1.6	2.0	2.6	229	1050	438	172	160
4	280	122	30	1.1	1.6	2.0	2.6	329	937	419	165	194
5	250	115	180	1.1	1.6	2.1	2.6	452	673	419	163	222
6	216	109	200	1.1	1.6	2.1	2.7	334	766	419	164	222
7	189	104	210	1.1	1.6	2.1	2.7	275	755	419	146	222
8	193	98	144	1.1	1.6	2.1	2.7	274	704	419	133	210
9	165	100	0.90	1.1	1.7	2.1	2.8	235	635	453	129	146
10	187	99	0.90	1.2	1.7	2.1	2.8	217	764	475	128	130
11	248	95	0.90	1.2	1.7	2.2	2.8	288	739	473	128	114
12	288	95	0.90	1.2	1.7	2.2	2.9	377	533	451	121	114
13	289	92	0.90	1.2	1.7	2.2	2.9	402	424	438	112	121
14	286	84	0.90	1.2	1.7	2.2	2.9	400	664	377	111	125
15	283	59	0.90	1.2	1.8	2.2	3.0	370	846	285	111	136
16	261	57	0.90	1.3	1.8	2.2	3.0	353	893	239	112	141
17	258	65	0.90	1.3	1.8	2.3	3.0	353	887	199	106	134
18	274	50	0.90	1.3	1.8	2.3	3.1	353	874	168	103	134
19	264	27	0.90	1.3	1.8	2.3	3.1	463	834	139	103	121
20	250	41	0.90	1.3	1.8	2.3	3.1	564	729	141	97	107
21	236	45	0.90	1.3	1.9	2.3	3.2	769	687	146	94	107
22	220	114	0.90	1.4	1.9	2.3	3.2	569	690	146	94	101
23	204	148	0.90	1.4	1.9	2.4	65	379	690	147	96	95
24	193	70	0.90	1.4	1.9	2.4	90	572	690	147	100	95
25	179	55	0.90	1.4	1.9	2.4	168	636	597	164	110	95
26	171	50	0.90	1.4	1.9	2.4	158	671	550	172	135	95
27	176	52	0.90	1.4	2.0	2.4	154	762	606	157	163	95
28	177	55	0.90	1.5	2.0	2.4	132	923	612	165	155	95
29	172	99	1.0	1.5	---	2.5	134	965	600	198	120	91
30	164	94	1.0	1.5	---	2.5	157	899	548	205	101	86
31	156	---	1.0	1.5	---	2.5	---	951	---	197	104	---
TOTAL	7179	2576	823.80	39.0	49.0	69.5	1120.7	14650	21843	9172	3951	3977
MEAN	232	85.9	26.6	1.26	1.75	2.24	37.4	473	728	296	127	133
AC-FT	14240	5110	1630	77	97	138	2220	29060	43330	18190	7840	7890
MAX	337	148	210	1.5	2.0	2.5	168	965	1050	490	195	222
MIN	156	27	0.90	1.0	1.5	2.0	2.5	135	424	139	94	86
CAL YR 1997 TOTAL	124225.40	MEAN	340	MAX	1460	MIN	0.90	AC-FT	246400			
WTR YR 1998 TOTAL	65450.00	MEAN	179	MAX	1050	MIN	0.90	AC-FT	129800			

MAX DISCH 1060 CFS AT 1930 02-JUN-1998 GH 3.49 FT. SHIFT 0.02 FT. MAX GH 3.49 FT. AT 1930 02-JUN-1998
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 Oct. 31, 1997-May 6, 1998 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-1997 TO 30-SEP-1998

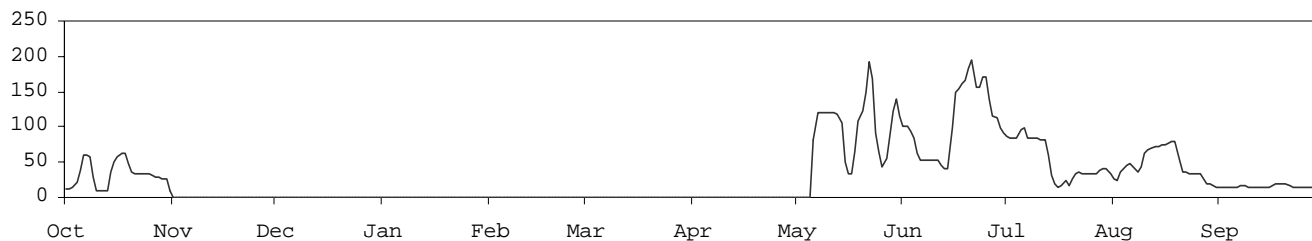
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	0.30	0.30	0.40	0.40	0.50	0.60	0.60	100	86	27	14
2	12	0.30	0.30	0.40	0.40	0.50	0.60	0.60	100	84	24	14
3	14	0.30	0.30	0.40	0.50	0.50	0.60	0.60	94	84	35	14
4	22	0.30	0.30	0.40	0.50	0.50	0.60	0.60	84	84	41	15
5	39	0.30	0.30	0.40	0.50	0.50	0.60	0.60	63	96	45	15
6	59	0.30	0.30	0.40	0.50	0.50	0.60	81	54	99	48	15
7	59	0.30	0.30	0.40	0.50	0.50	0.60	121	54	85	41	16
8	58	0.30	0.30	0.40	0.50	0.50	0.60	121	54	83	37	16
9	28	0.30	0.30	0.40	0.50	0.50	0.60	120	54	83	43	15
10	10	0.30	0.30	0.40	0.50	0.50	0.60	119	54	83	62	14
11	10	0.30	0.30	0.40	0.50	0.50	0.60	119	54	82	67	14
12	10	0.30	0.30	0.40	0.50	0.50	0.60	119	45	81	70	14
13	10	0.30	0.30	0.40	0.50	0.50	0.60	118	40	60	72	14
14	36	0.30	0.30	0.40	0.50	0.50	0.60	105	41	31	73	14
15	51	0.30	0.30	0.40	0.50	0.50	0.60	50	99	19	74	14
16	58	0.30	0.40	0.40	0.50	0.50	0.60	33	150	15	74	17
17	63	0.30	0.40	0.40	0.50	0.50	0.60	33	153	18	76	19
18	62	0.30	0.40	0.40	0.50	0.50	0.60	64	161	24	79	19
19	47	0.30	0.40	0.40	0.50	0.50	0.60	107	165	18	80	19
20	35	0.30	0.40	0.40	0.50	0.50	0.60	123	183	27	52	19
21	34	0.30	0.40	0.40	0.50	0.60	0.60	150	194	34	35	17
22	34	0.30	0.40	0.40	0.50	0.60	0.60	193	156	35	35	15
23	34	0.30	0.40	0.40	0.50	0.60	0.60	168	156	34	34	15
24	34	0.30	0.40	0.40	0.50	0.60	0.60	92	170	33	34	15
25	34	0.30	0.40	0.40	0.50	0.60	0.60	66	170	33	34	15
26	31	0.30	0.40	0.40	0.50	0.60	0.60	43	140	33	34	15
27	30	0.30	0.40	0.40	0.50	0.60	0.60	56	116	33	26	15
28	29	0.30	0.40	0.40	0.50	0.60	0.60	89	112	39	20	15
29	27	0.30	0.40	0.40	---	0.60	0.60	123	99	40	20	15
30	27	0.30	0.40	0.40	---	0.60	0.60	139	92	40	18	16
31	10	---	0.40	0.40	---	0.60	---	115	---	34	15	---
TOTAL	1020	9.00	10.90	12.40	13.80	16.60	18.00	2670.00	3207	1630	1425	464
MEAN	32.9	0.30	0.35	0.40	0.49	0.54	0.60	86.1	107	52.6	46.0	15.5
AC-FT	2020	18	22	25	27	33	36	5300	6360	3230	2830	920
MAX	63	0.30	0.40	0.40	0.50	0.60	0.60	193	194	99	80	19
MIN	10	0.30	0.30	0.40	0.40	0.50	0.60	0.60	40	15	15	14

CAL YR 1997 TOTAL 15946.18 MEAN 43.7 MAX 445 MIN 0.25 AC-FT 31630
WTR YR 1998 TOTAL 10496.70 MEAN 28.8 MAX 194 MIN 0.30 AC-FT 20820

MAX DISCH 206 CFS AT 1600 22-MAY-1998 GH 2.16 FT. SHIFT 0.01 FT. MAX GH 2.16 FT. AT 1600 22-MAY-1998

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: Dec. 4-11, 1997 when the float was frozen; and Dec. 12, 1997 through Apr. 3, 1998 when station was closed for the winter. Gage height effected by ice Nov. 15-18, 22-25, 29-30, 1997. 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.

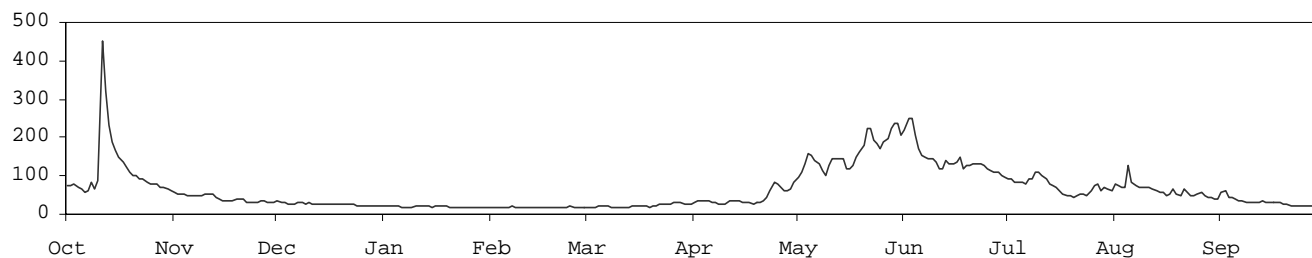
RATING TABLE.--GOOWAGCO09 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	58	36	21	17	16	29	96	218	92	81	56
2	74	52	32	22	18	17	34	110	250	90	76	61
3	77	52	31	24	19	18	33	133	250	85	72	46
4	70	51	28	23	19	20	34	157	208	83	68	44
5	64	49	28	20	19	20	34	155	172	83	126	40
6	59	48	28	19	19	20	32	141	152	81	85	37
7	61	47	30	17	20	20	29	130	149	92	76	35
8	83	48	30	18	19	16	26	113	144	92	72	32
9	66	49	27	19	19	17	25	103	143	108	68	31
10	86	51	29	20	18	17	28	128	138	108	68	30
11	453	51	27	20	18	18	37	144	120	103	72	29
12	318	51	25	22	18	19	37	144	118	90	64	32
13	232	45	26	20	18	19	34	146	141	79	61	36
14	187	40	26	20	19	20	34	144	130	74	58	30
15	166	33	26	18	19	21	31	118	130	68	56	31
16	148	33	26	21	19	22	29	118	136	61	50	31
17	138	34	27	21	18	21	29	126	149	54	51	30
18	123	36	27	21	19	20	28	149	120	49	64	29
19	110	40	27	21	18	19	29	163	126	48	51	26
20	101	39	25	19	18	20	32	181	129	46	48	25
21	99	39	25	18	18	22	36	225	133	49	66	23
22	92	31	26	17	19	25	45	222	133	54	58	23
23	90	31	26	18	19	26	61	192	130	51	48	23
24	85	31	24	18	20	27	83	184	128	49	48	22
25	79	32	22	18	18	28	79	169	118	63	52	21
26	79	34	20	18	16	30	68	187	113	74	56	20
27	77	34	20	18	16	29	61	197	110	81	48	21
28	72	32	21	18	16	31	63	222	108	63	46	20
29	68	29	23	18	---	27	66	239	101	70	42	23
30	64	29	23	19	---	25	83	239	96	66	41	29
31	61	---	21	18	---	27	---	208	---	61	40	---
TOTAL	3558	1229	812	604	513	677	1269	4983	4293	2267	1912	936
MEAN	115	41.0	26.2	19.5	18.3	21.8	42.3	161	143	73.1	61.7	31.2
AC-FT	7060	2440	1610	1200	1020	1340	2520	9880	8520	4500	3790	1860
MAX	453	58	36	24	20	31	83	239	250	108	126	61
MIN	59	29	20	17	16	16	25	96	96	46	40	20
CAL YR 1997 TOTAL		34179	MEAN	93.6	MAX	562	MIN	14	AC-FT	67790		
WTR YR 1998 TOTAL		23053	MEAN	63.2	MAX	453	MIN	16	AC-FT	45730		

MAX DISCH 580 CFS AT 0645 11-OCT-1997 GH 4.05 FT. SHIFT 0.00 FT. MAX GH 4.05 FT. AT 0645 11-OCT-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. 5-11, 1997 when the well was frozen, and Dec. 12, 1997 through Apr. 3, 1998 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 17 - Dec. 4, 1997. Record is good except for periods of no gage-height record and ice effect which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOSFKCO9 USED FROM 01-OCT-1997 TO 30-SEP-1998

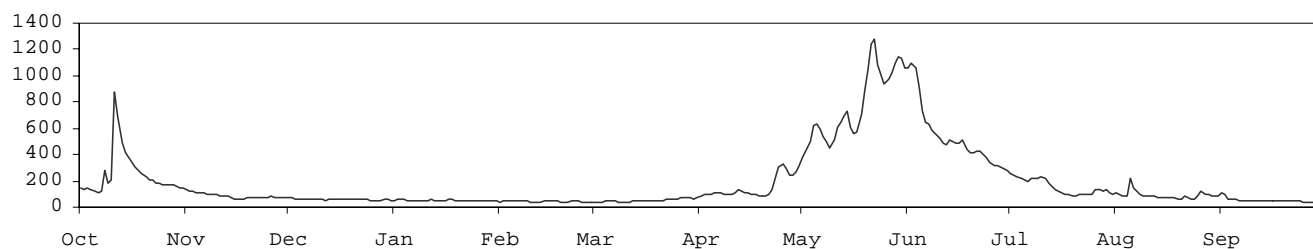
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	144	139	72	54	42	38	80	374	1060	253	106	104
2	136	127	74	56	43	40	94	427	1100	241	103	92
3	152	118	66	58	45	42	98	502	1060	227	88	66
4	131	111	60	58	45	46	103	619	913	219	87	59
5	117	107	60	52	45	46	110	634	735	213	216	55
6	110	104	60	52	45	46	112	592	651	196	141	53
7	118	101	64	48	46	46	106	540	628	223	116	52
8	283	100	64	50	45	38	100	503	584	220	94	53
9	186	99	60	52	45	40	93	445	559	219	90	54
10	207	92	64	54	42	40	93	511	529	226	85	52
11	875	80	58	54	42	42	112	611	482	221	87	50
12	690	84	54	58	42	43	133	648	474	188	83	52
13	489	80	58	54	42	44	121	690	506	164	75	52
14	420	75	58	54	44	45	113	726	496	137	74	51
15	372	64	58	50	46	47	105	612	490	118	73	50
16	336	65	58	54	46	50	99	556	482	109	71	53
17	302	64	60	56	43	49	98	568	506	103	71	54
18	280	66	60	56	45	48	91	710	443	92	75	52
19	259	74	60	54	42	48	85	892	413	89	65	50
20	226	74	58	50	42	49	91	1050	415	84	63	48
21	202	70	58	48	42	54	100	1240	429	94	81	46
22	202	68	60	44	44	60	136	1280	426	92	73	44
23	185	68	60	46	44	62	214	1080	398	92	64	44
24	184	68	56	48	46	64	302	1010	372	94	60	44
25	173	72	54	48	42	66	325	941	342	102	86	42
26	167	80	50	48	40	72	287	969	319	131	123	40
27	171	72	52	48	38	72	246	1020	311	138	93	40
28	171	72	54	48	38	76	248	1090	309	118	92	40
29	156	68	56	47	---	70	264	1150	297	129	81	41
30	148	68	56	48	---	66	312	1130	278	105	81	47
31	144	---	54	47	---	72	---	1060	---	92	80	---
TOTAL	7736	2530	1836	1594	1211	1621	4471	24180	16007	4729	2777	1580
MEAN	250	84.3	59.2	51.4	43.3	52.3	149	780	534	153	89.6	52.7
AC-FT	15340	5020	3640	3160	2400	3220	8870	47960	31750	9380	5510	3130
MAX	875	139	74	58	46	76	325	1280	1100	253	216	104
MIN	110	64	50	44	38	38	80	374	278	84	60	40

CAL YR 1997 TOTAL 103514 MEAN 284 MAX 2080 MIN 36 AC-FT 205300
WTR YR 1998 TOTAL 70272 MEAN 193 MAX 1280 MIN 38 AC-FT 139400

MAX DISCH 1522 CFS AT 2400 21-MAY-1998 GH 5.06 FT. SHIFT 0.00 FT. MAX GH 5.06 FT. AT 2400 21-MAY-1998

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



RIO GRANDE BASIN

08220000 RIO GRANDE RIVER 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. Stage-discharge relation affected by ice Dec. 5, 1997-Mar. 13, 1998 and Mar. 15, 22-29, 1998. 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-1997 TO 30-SEP-1998

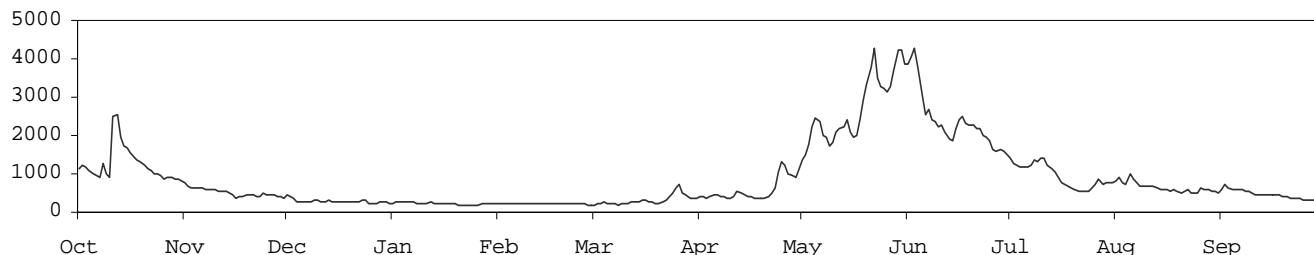
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1140	775	470	250	220	190	400	1370	3880	1390	840	574
2	1220	689	430	260	220	210	429	1490	4030	1280	910	712
3	1200	657	350	290	220	230	382	1760	4260	1230	775	649
4	1080	651	272	270	230	270	411	2250	3800	1200	748	590
5	991	627	270	270	230	250	440	2450	3040	1200	1000	591
6	946	619	270	270	230	230	457	2380	2560	1180	858	599
7	926	602	290	260	240	220	421	1990	2660	1220	767	580
8	1270	588	290	250	230	200	399	1940	2430	1370	697	568
9	979	588	300	240	230	220	376	1720	2350	1320	665	544
10	914	579	310	250	230	230	373	1840	2220	1400	664	482
11	2480	564	280	250	210	250	424	2070	2290	1400	697	457
12	2560	567	280	260	210	270	554	2190	2070	1240	681	454
13	1950	560	300	240	210	280	494	2250	1920	1120	632	472
14	1750	519	290	240	220	295	458	2420	1880	1040	603	451
15	1660	462	280	220	230	300	428	2100	2190	888	586	443
16	1560	351	290	230	220	314	402	1960	2410	775	584	457
17	1440	403	290	230	210	282	384	1990	2510	728	566	451
18	1360	411	290	240	210	277	373	2420	2330	670	599	434
19	1310	449	290	220	210	236	356	2900	2270	632	551	423
20	1210	460	290	200	210	248	384	3340	2270	590	522	398
21	1130	434	290	200	210	267	407	3780	2190	568	548	375
22	1070	391	290	190	230	310	481	4290	2170	559	589	363
23	1010	419	310	190	230	420	656	3490	2020	566	511	352
24	1020	511	300	190	230	520	1030	3260	1960	568	480	343
25	951	439	240	200	220	620	1300	3220	1870	617	513	335
26	882	458	240	200	210	720	1210	3150	1650	712	616	322
27	911	456	240	210	200	520	1000	3290	1590	860	612	318
28	914	418	280	220	200	460	956	3660	1640	745	603	314
29	880	397	260	220	---	370	920	4250	1570	772	560	307
30	844	382	260	230	---	359	1130	4210	1510	790	527	346
31	824	---	250	230	---	382	---	3860	---	752	497	---
TOTAL	38382	15426	9092	7220	6150	9950	17435	83290	71540	29382	20001	13704
MEAN	1238	514	293	233	220	321	581	2687	2385	948	645	457
AC-FT	76130	30600	18030	14320	12200	19740	34580	165200	141900	58280	39670	27180
MAX	2560	775	470	290	240	720	1300	4290	4260	1400	1000	712
MIN	824	351	240	190	200	190	356	1370	1510	559	480	307

CAL YR 1997 TOTAL 478063 MEAN 1310 MAX 7090 MIN 140 AC-FT 948200
WTR YR 1998 TOTAL 321572 MEAN 881 MAX 4290 MIN 190 AC-FT 637800

MAX DISCH 4758 CFS AT 0345 22-MAY-1998 GH 4.19 FT. SHIFT 0.05 FT. MAX GH 4.97 FT. AT 0600 08-DEC-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. 15 through Dec. 11, 1997 when the well was frozen; Dec. 12, 1997 through Apr. 3, 1998 when the station was closed for the winter; and Sep. 1, 1998 when the pen was not inking and there was missing satellite data. Stage-discharge relation was affected by ice Nov. 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 Div. III Staff.

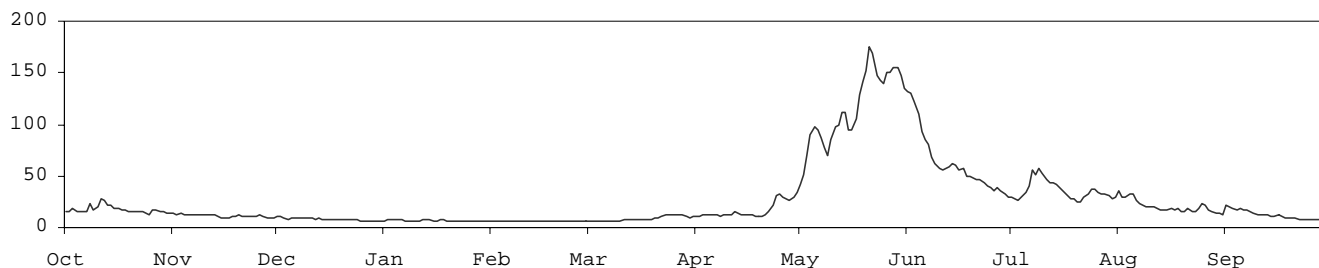
RATING TABLE.--PINDELCO14 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	14	11	6.6	6.2	6.0	11	42	132	29	35	21
2	16	13	11	7.0	6.2	6.2	11	51	131	28	30	20
3	18	14	10	7.4	6.2	6.2	12	69	123	27	29	18
4	16	13	8.4	7.2	6.6	6.8	12	90	110	30	33	17
5	15	13	8.6	7.0	6.6	6.6	12	98	93	34	32	18
6	15	12	8.6	7.0	6.6	6.4	12	94	85	41	26	17
7	15	12	9.2	6.8	6.8	6.2	12	87	80	56	23	17
8	23	12	9.2	6.6	6.6	6.2	11	78	68	51	21	15
9	17	12	9.4	6.4	6.4	6.4	12	69	62	57	20	14
10	20	12	10	6.6	6.4	6.6	12	86	57	52	20	12
11	28	12	8.6	6.8	6.2	7.0	13	97	56	46	20	12
12	26	13	8.2	7.0	6.2	7.4	15	100	58	43	19	12
13	21	12	8.6	7.0	6.2	7.6	14	112	59	44	17	12
14	21	11	8.2	7.0	6.6	8.0	13	112	62	42	17	11
15	19	10	7.6	6.6	6.8	8.0	13	94	60	38	17	11
16	19	8.8	7.8	6.8	6.6	8.0	12	94	56	36	18	12
17	17	9.4	8.0	7.0	6.2	8.0	12	105	57	31	17	11
18	17	11	7.8	7.0	6.2	7.6	11	128	50	28	19	10
19	16	11	7.8	6.6	6.2	8.2	11	141	49	28	16	10
20	16	12	7.8	6.4	6.2	9.0	11	152	48	25	16	9.9
21	15	11	7.8	6.2	6.2	10	12	175	47	25	19	9.5
22	15	11	7.8	6.0	6.6	11	16	169	46	29	16	8.5
23	15	11	8.4	6.0	6.6	12	22	147	44	33	15	8.3
24	14	11	8.2	6.0	6.6	12	31	142	40	37	18	8.1
25	13	11	6.2	6.2	6.4	12	33	140	38	37	23	7.9
26	17	12	6.0	6.2	6.2	13	30	151	35	34	22	8.0
27	17	11	5.8	6.2	6.2	12	28	150	38	33	17	7.2
28	16	10	6.8	6.4	6.2	13	27	155	35	32	16	7.8
29	15	10	6.6	6.4	---	11	29	155	32	31	14	8.9
30	14	10	6.6	6.6	---	10	34	147	30	28	14	11
31	14	---	6.6	6.6	---	11	---	135	---	29	13	---
TOTAL	536	345.2	252.6	205.6	179.0	269.4	504	3565	1881	1114	632	365.1
MEAN	17.3	11.5	8.15	6.63	6.39	8.69	16.8	115	62.7	35.9	20.4	12.2
AC-FT	1060	685	501	408	355	534	1000	7070	3730	2210	1250	724
MAX	28	14	11	7.4	6.8	13	34	175	132	57	35	21
MIN	13	8.8	5.8	6.0	6.2	6.0	11	42	30	25	13	7.2
CAL YR 1997 TOTAL		11462.5	MEAN	31.4	MAX	199	MIN	4.3	AC-FT	22740		
WTR YR 1998 TOTAL		9848.9	MEAN	27.0	MAX	175	MIN	5.8	AC-FT	19540		

MAX DISCH 226 CFS AT 2050 21-MAY-1998 GH 2.17 FT. SHIFT 0.10 FT. MAX GH 2.17 FT. AT 2050 21-MAY-1998

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 Mar. 7-19, 1998 when the satellite system float tape slipped off of the pins on pulley wheel and the graphic recorder was removed from gage for maintenance, and Mar 31, 1998 when recorder pen was not inking and there was missing satellite data. Stage-discharge relation affected by ice Dec. 7, 1997 through Mar. 6, 1998. 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-1997 TO 30-SEP-1998

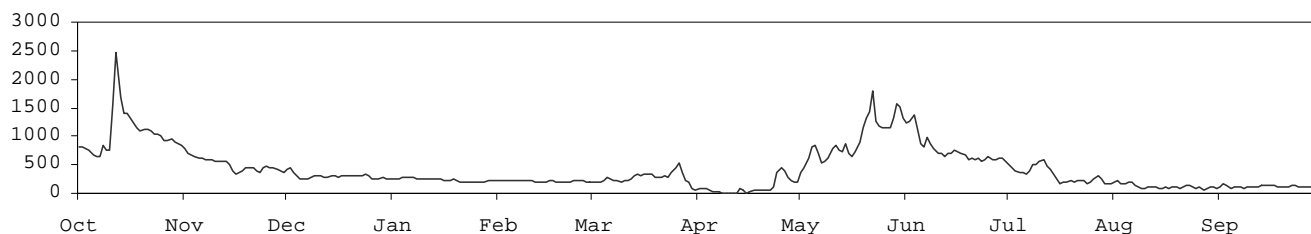
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	823	796	411	245	225	200	95	351	1230	515	191	103
2	810	710	454	245	215	190	86	439	1260	461	229	167
3	774	661	376	255	215	210	76	606	1370	392	174	147
4	745	649	299	290	215	230	55	819	1120	372	158	94
5	674	624	249	270	225	270	35	849	878	366	195	104
6	632	615	255	270	225	250	15	698	814	339	195	108
7	639	597	260	275	225	230	15	521	974	388	132	101
8	835	583	285	265	235	220	7.5	559	856	517	106	93
9	766	579	295	250	225	200	4.5	613	780	491	86	104
10	762	574	300	240	225	220	2.9	788	709	561	90	109
11	1530	552	310	250	225	230	0.62	848	700	596	119	117
12	2460	560	280	250	205	250	11	760	655	480	113	120
13	1680	557	280	260	200	320	82	741	709	417	99	128
14	1400	507	305	240	200	330	47	863	702	345	90	133
15	1410	401	295	240	210	320	12	702	752	255	88	129
16	1310	347	285	215	225	340	34	632	718	175	102	130
17	1220	361	295	230	215	330	55	715	704	199	94	132
18	1140	391	295	230	200	340	56	891	664	204	99	123
19	1100	439	295	240	200	290	57	1150	592	212	101	126
20	1120	457	295	220	200	282	52	1320	616	192	82	117
21	1120	453	295	195	200	291	50	1420	596	221	100	110
22	1090	383	300	195	200	312	46	1790	610	216	149	128
23	1050	364	300	185	230	285	126	1270	567	219	134	131
24	1040	458	325	185	235	358	363	1180	599	177	101	126
25	1010	479	310	185	225	462	445	1150	631	187	85	119
26	913	448	245	195	215	543	389	1150	594	257	101	110
27	920	441	245	195	205	357	289	1160	586	304	69	107
28	943	427	240	205	195	237	237	1310	616	245	98	101
29	907	390	285	215	---	199	207	1560	616	159	112	87
30	867	358	255	215	---	95	207	1520	569	180	100	109
31	836	---	260	225	---	52	---	1320	---	162	86	---
TOTAL	32526	15161	9179	7175	6015	8443	3157.52	29695	22787	9804	3678	3513
MEAN	1049	505	296	231	215	272	105	958	760	316	119	117
AC-FT	64520	30070	18210	14230	11930	16750	6260	58900	45200	19450	7300	6970
MAX	2460	796	454	290	235	543	445	1790	1370	596	229	167
MIN	632	347	240	185	195	52	0.62	351	567	159	69	87

CAL YR 1997 TOTAL 226827 MEAN 621 MAX 3540 MIN 64 AC-FT 449900
WTR YR 1998 TOTAL 151133.53 MEAN 414 MAX 2460 MIN 0.62 AC-FT 299800

MAX DISCH 2700 CFS AT 0545 12-OCT-1997 GH 6.32 FT. SHIFT -0.22 FT. MAX GH 6.32 FT. AT 0545 12-OCT-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 in a timber shelter and corrugated metal well. Datum of gage is 7,595 feet, from topographic map.

REMARKS.--Record is complete and reliable except for Oct. 16, 1997 when the pen was not inking well and there was missing satellite data; Nov. 15-Dec. 8, 1997 when the well was frozen; Dec. 9, 1997-Mar. 20, 1998 when the station was closed for the winter. 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-1997 TO 30-SEP-1998

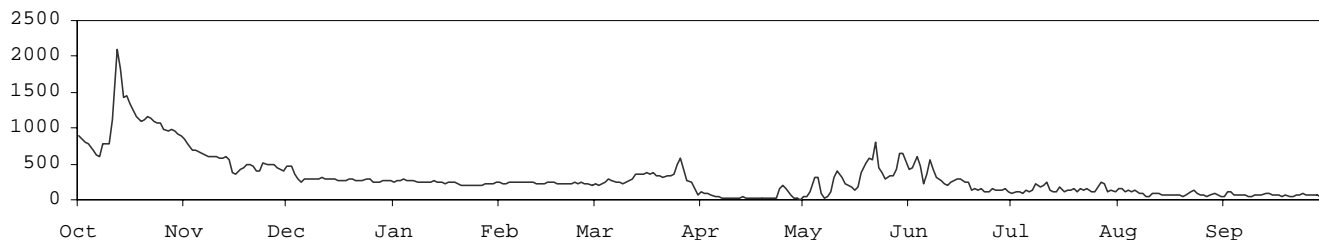
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	883	852	470	255	240	215	105	40	429	87	151	47
2	851	774	470	260	230	210	90	34	442	103	156	111
3	810	702	355	270	230	230	98	117	595	105	111	117
4	782	690	280	290	235	250	61	322	475	96	139	62
5	682	668	255	270	240	290	53	311	227	129	121	62
6	617	650	280	265	245	270	36	87	355	110	130	65
7	605	630	280	260	240	250	32	27	549	136	92	63
8	788	613	295	250	250	240	29	45	417	217	79	51
9	782	603	285	245	240	230	26	120	308	183	55	51
10	771	602	300	245	240	250	25	306	261	210	49	60
11	1110	586	305	250	240	265	24	408	234	235	84	68
12	2100	587	285	250	225	280	21	305	195	138	83	71
13	1820	592	280	260	225	350	41	215	241	115	85	79
14	1430	555	295	240	230	365	28	200	279	106	71	87
15	1440	375	285	240	235	355	16	171	290	169	65	65
16	1340	350	270	225	240	380	12	123	282	109	77	59
17	1250	425	275	235	235	365	13	172	241	128	66	62
18	1160	450	275	235	225	375	16	376	246	134	64	53
19	1100	495	280	240	225	325	21	505	145	146	69	56
20	1120	490	280	225	230	325	19	577	156	122	45	49
21	1160	475	275	205	230	315	18	557	132	152	57	41
22	1130	400	270	210	225	340	15	802	146	142	121	60
23	1100	405	265	200	235	330	21	438	103	157	135	77
24	1080	515	280	200	220	368	151	385	113	117	97	80
25	1080	500	280	200	240	490	200	282	157	122	72	76
26	974	500	235	210	230	590	149	343	145	171	76	71
27	956	480	235	210	220	434	77	343	135	245	49	71
28	983	450	235	220	210	276	24	427	126	225	73	72
29	958	425	275	230	---	243	16	647	158	109	92	52
30	916	400	265	225	---	155	7.6	650	115	133	66	64
31	887	---	265	235	---	75	---	542	---	117	47	---
TOTAL	32665	16239	8980	7355	6510	9436	1444.6	9877	7697	4468	2677	2002
MEAN	1054	541	290	237	233	304	48.2	319	257	144	86.4	66.7
AC-FT	64790	32210	17810	14590	12910	18720	2870	19590	15270	8860	5310	3970
MAX	2100	852	470	290	250	590	200	802	595	245	156	117
MIN	605	350	235	200	210	75	7.6	27	103	87	45	41

CAL YR 1997 TOTAL 170075 MEAN 466 MAX 2330 MIN 44 AC-FT 337300
WTR YR 1998 TOTAL 109350.6 MEAN 300 MAX 2100 MIN 7.6 AC-FT 216900

MAX DISCH 2230 CFS AT 1745 12-OCT-1997 GH 6.88 FT. SHIFT 0.02 FT. MAX GH 6.88 FT. AT 1745 12-OCT-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. New location on July 17, 1998, located on left bank, approximately 300' downstream from previous location.

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: Dec. 16-31, 1997; Jan. 1-2, 5-7, 9-13, 16-17, 1998 when floats were frozen; Sep. 9-18, 29-30, 1998 when the chart recorder clock stopped and the satellite system was not working. Stage-discharge relation was affected by ice Dec. 5-15, 1997; Jan. 3-4, 8, 14-15, 18-31; Feb. 1-28; Mar. 1-13, 1998. Stage-discharge relation was affected by backwater from levee reconstruction June 26-Sep. 8, 1998. Record is good except for periods of no gage height, ice affected record and backwater affected record, which are fair to poor. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--RIOALACO21 USED FROM 01-OCT-1997 TO 30-SEP-1998

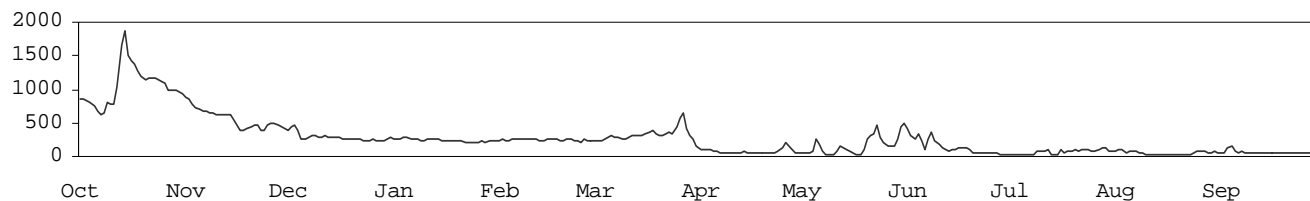
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	869	895	392	270	245	225	103	40	419	27	66	49
2	860	856	448	265	250	230	116	52	321	29	101	44
3	840	780	471	270	245	235	108	41	270	25	103	124
4	802	727	395	275	245	260	102	71	346	23	64	164
5	756	708	265	290	250	280	86	263	231	23	85	81
6	672	680	260	265	255	310	76	185	93	28	70	62
7	623	665	295	260	260	295	63	75	266	26	74	65
8	640	650	300	250	255	275	58	34	374	26	50	61
9	811	637	305	240	260	270	56	27	233	87	41	54
10	775	634	280	240	255	265	55	36	169	78	34	52
11	768	625	295	250	250	290	54	88	119	66	30	52
12	1050	616	305	250	255	305	53	147	96	108	28	52
13	1670	619	285	255	245	305	52	129	81	34	28	52
14	1880	612	280	255	245	300	67	96	107	16	27	52
15	1500	553	290	240	250	323	58	68	109	34	24	51
16	1440	456	280	240	255	340	50	47	140	107	22	50
17	1370	392	260	235	255	368	47	36	122	62	21	49
18	1270	393	260	240	255	378	46	37	135	75	21	48
19	1190	419	260	240	245	338	49	103	103	82	20	46
20	1140	437	270	240	245	311	50	269	63	93	20	47
21	1160	469	265	230	250	315	50	311	58	70	24	48
22	1180	464	260	215	260	338	49	335	50	108	30	46
23	1160	402	245	220	245	370	48	472	47	106	37	52
24	1130	395	240	215	240	331	65	290	42	109	40	52
25	1120	478	245	220	210	445	137	206	42	67	80	49
26	1080	489	260	215	250	565	198	145	42	71	72	51
27	998	488	225	225	245	638	163	147	40	113	66	51
28	991	480	230	220	230	426	100	147	31	136	47	51
29	1000	446	235	230	---	308	54	262	31	132	49	49
30	969	418	265	235	---	260	43	443	31	81	80	45
31	927	---	275	235	---	158	---	503	---	70	53	---
TOTAL	32641	16883	8941	7530	6950	10057	2256	5105	4211	2112	1507	1749
MEAN	1053	563	288	243	248	324	75.2	165	140	68.1	48.6	58.3
AC-FT	64740	33490	17730	14940	13790	19950	4470	10130	8350	4190	2990	3470
MAX	1880	895	471	290	260	638	198	503	419	136	103	164
MIN	623	392	225	215	210	158	43	27	31	16	20	44

CAL YR 1997 TOTAL 161041 MEAN 441 MAX 2140 MIN 84 AC-FT 319400
WTR YR 1998 TOTAL 99942 MEAN 274 MAX 1880 MIN 16 AC-FT 198200

MAX DISCH 1997 CFS AT 0400 14-OCT-1997 GH 7.50 FT. SHIFT -1.29 FT. MAX GH 7.50 FT. AT 0400 14-OCT-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. Record is good. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CBPALACO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

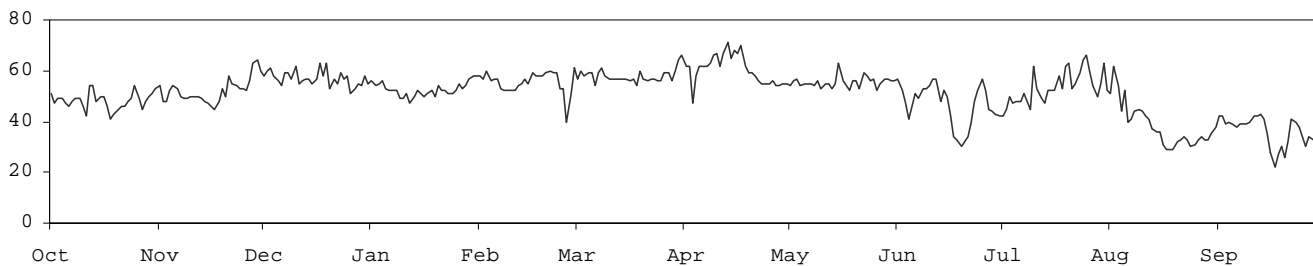
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	54	58	56	58	57	62	54	57	42	51	42
2	47	48	60	54	57	60	62	56	52	45	62	42
3	49	48	61	55	60	58	47	57	47	50	54	39
4	49	52	58	56	56	59	58	54	41	47	44	40
5	47	54	56	53	57	59	62	55	46	48	52	39
6	46	53	54	52	57	54	62	55	51	48	40	38
7	48	50	59	52	53	59	62	55	49	51	41	39
8	49	49	59	52	52	61	63	54	53	48	44	39
9	49	49	57	49	52	58	66	56	53	45	45	39
10	46	50	62	49	52	57	67	53	54	62	44	40
11	42	50	55	51	52	57	62	55	57	53	42	42
12	54	50	56	47	54	57	67	55	57	49	41	42
13	54	49	57	50	55	57	71	53	48	47	37	43
14	48	48	57	52	57	57	65	55	52	52	36	41
15	50	47	55	51	55	57	68	63	50	52	36	35
16	50	46	57	50	59	56	67	56	43	52	31	28
17	46	45	63	51	58	57	70	54	34	58	29	22
18	41	48	58	52	58	54	62	52	33	53	29	27
19	43	53	63	50	58	60	59	56	30	62	29	30
20	44	50	53	54	59	57	59	56	32	63	32	26
21	46	58	57	52	60	56	58	53	34	53	33	32
22	46	55	55	52	59	57	56	59	40	55	34	41
23	48	54	59	51	59	57	55	58	48	59	33	40
24	49	53	57	51	53	56	55	56	52	64	30	38
25	54	53	58	52	53	56	55	57	57	66	31	34
26	49	52	51	55	40	59	56	52	52	60	33	30
27	45	56	53	53	51	59	54	55	45	54	34	34
28	48	63	55	54	61	56	54	57	44	50	33	33
29	50	64	54	57	---	60	55	57	43	55	33	29
30	51	60	58	58	---	64	55	56	42	63	35	28
31	53	---	55	58	---	66	---	56	---	52	38	---
TOTAL	1492	1561	1770	1629	1555	1797	1814	1720	1396	1658	1186	1072
MEAN	48.1	52.0	57.1	52.5	55.5	58.0	60.5	55.5	46.5	53.5	38.3	35.7
AC-FT	2960	3100	3510	3230	3080	3560	3600	3410	2770	3290	2350	2130
MAX	54	64	63	58	61	66	71	63	57	66	62	43
MIN	41	45	51	47	40	54	47	52	30	42	29	22

CAL YR 1997 TOTAL 21307 MEAN 58.4 MAX 87 MIN 41 AC-FT 42260
WTR YR 1998 TOTAL 18650 MEAN 51.1 MAX 71 MIN 22 AC-FT 36990

MAX DISCH 76 CFS AT 0445 13-APR-1998 GH 1.39 FT. SHIFT -0.04 FT. MAX GH 1.39 FT. AT 0445 13-APR-1998

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 in a 42" CMP shelter and well. Altitude of gage is 8,840 ft. from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 14-25, 1997 when the well was frozen; Nov. 26, 1997-Apr. 10, 1998 when the station was closed for the winter; Apr. 11-16; May 1-2, 20-22, 1998 when the pen was not inking; May 13-14, 1998 when the inlets were plugged. Stage-discharge relation was affected by ice Oct. 26-27, Nov. 1-4, 6-7, 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.--KERVILCO15 USED FROM 01-OCT-1997 TO 26-NOV-1997

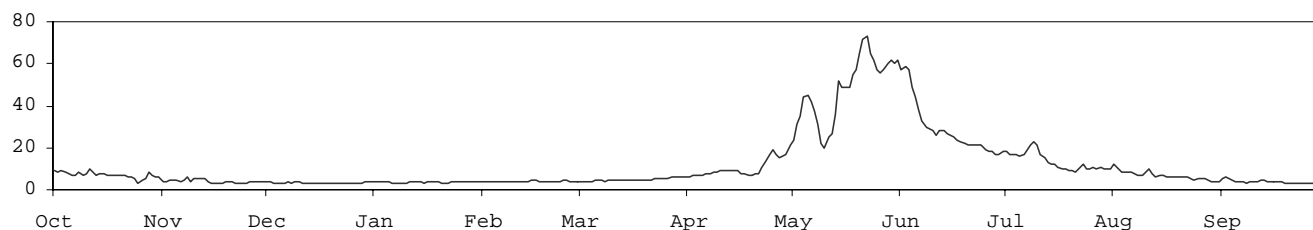
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	3.9	3.8	3.5	3.7	3.8	6.2	24	57	18	12	5.3
2	8.5	3.9	3.8	3.5	3.7	3.8	6.6	31	59	17	11	6.2
3	8.9	4.5	3.0	3.9	3.9	3.9	6.6	35	57	17	8.5	5.6
4	8.1	4.5	2.8	3.9	3.9	4.0	7.0	44	49	17	8.5	4.7
5	7.3	4.5	2.8	3.6	4.1	4.2	7.0	45	44	16	8.1	4.1
6	6.6	4.0	3.0	3.2	4.1	4.5	8.0	42	38	17	8.1	3.8
7	7.0	4.3	3.5	2.9	4.1	4.5	8.0	37	33	19	7.3	3.6
8	8.1	5.8	3.4	3.0	3.9	3.9	8.6	31	30	21	6.6	3.4
9	6.6	4.1	3.5	2.9	3.9	4.2	8.6	22	29	23	7.0	3.6
10	7.3	5.6	3.5	3.1	3.9	4.2	9.4	20	28	21	8.1	3.6
11	10	5.6	3.4	3.5	3.7	4.5	9.4	25	26	17	10	3.8
12	8.5	5.1	3.0	3.6	3.7	4.5	9.0	27	28	15	7.3	4.4
13	6.9	5.4	3.4	3.6	3.7	4.5	8.8	36	28	13	6.2	4.7
14	7.3	4.0	3.4	3.6	3.9	4.8	8.8	52	27	12	7.0	3.8
15	7.3	3.0	3.4	3.3	4.2	4.8	9.4	49	26	12	6.6	3.8
16	7.0	3.1	3.4	3.6	4.2	4.8	7.7	49	25	11	6.2	4.1
17	7.0	3.4	3.4	3.9	3.8	4.6	7.7	49	24	10	5.9	3.6
18	6.6	3.4	3.4	3.8	4.0	4.6	7.0	55	23	9.7	5.9	3.6
19	6.6	3.5	3.4	3.7	3.9	4.5	7.1	57	22	9.3	5.9	3.4
20	6.6	3.7	3.4	3.4	3.8	4.8	8.0	65	21	8.9	5.9	3.1
21	6.6	3.6	3.4	3.3	3.8	4.8	7.9	72	21	8.5	5.9	3.4
22	5.9	3.4	3.4	3.3	3.9	5.2	11	73	21	10	6.2	3.4
23	5.9	3.4	3.4	3.6	3.9	5.2	13	65	21	12	5.3	3.4
24	5.6	3.4	3.1	3.6	4.2	5.2	17	62	21	10	4.7	3.4
25	3.0	3.4	2.9	3.9	4.2	5.2	19	57	19	10	5.0	3.1
26	4.3	3.8	2.9	3.7	3.9	5.2	17	56	18	11	5.6	3.1
27	5.6	3.5	3.0	3.7	3.6	6.0	15	57	18	9.7	5.0	3.1
28	8.1	3.8	3.4	3.7	3.7	6.0	16	60	17	11	4.4	3.1
29	7.2	3.5	3.9	3.7	---	5.8	17	62	17	10	4.1	3.6
30	6.2	3.5	3.8	3.9	---	5.8	21	60	18	9.7	4.1	4.7
31	6.2	---	3.5	3.9	---	6.2	---	62	---	10	3.8	---
TOTAL	215.7	120.6	103.4	109.8	109.3	148.0	312.8	1481	865	415.8	206.2	116.5
MEAN	6.96	4.02	3.34	3.54	3.90	4.77	10.4	47.8	28.8	13.4	6.65	3.88
AC-FT	428	239	205	218	217	294	620	2940	1720	825	409	231
MAX	10	5.8	3.9	3.9	4.2	6.2	21	73	59	23	12	6.2
MIN	3.0	3.0	2.8	2.9	3.6	3.8	6.2	20	17	8.5	3.8	3.1

CAL YR 1997 TOTAL 4298.1 MEAN 11.8 MAX 75 MIN 1.7 AC-FT 8530
WTR YR 1998 TOTAL 4204.1 MEAN 11.5 MAX 73 MIN 2.8 AC-FT 8340

MAX DISCH 78 CFS AT 2315 21-MAY-1998 GH 1.58 FT. SHIFT 0.41 FT. MAX GH 1.58 FT. AT 2315 21-MAY-1998

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. 17-25; Dec. 4, 1997-Mar. 3, 1998; Mar. 8-11, 1998. Record is good except for periods of ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

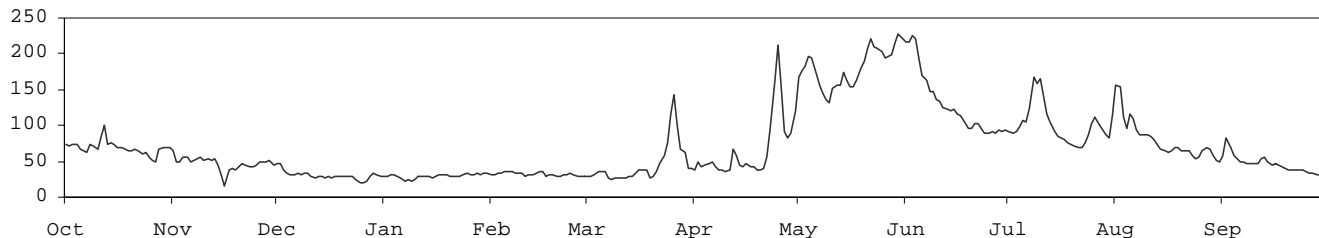
RATING TABLE.--SAGSAGCO15 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	65	47	29	32	29	38	168	216	91	157	59
2	72	50	46	30	32	30	49	176	216	90	154	82
3	74	48	37	32	34	32	43	183	225	92	111	70
4	73	55	33	32	34	35	45	196	220	99	97	58
5	67	56	31	29	35	36	47	194	194	108	117	53
6	64	48	31	26	35	35	49	171	170	106	110	50
7	63	52	33	23	35	27	42	156	163	123	94	49
8	74	53	31	24	34	25	38	144	148	167	86	47
9	71	55	33	23	34	26	37	137	147	158	86	47
10	67	52	33	25	33	26	35	132	137	166	88	46
11	85	53	30	28	30	27	37	152	133	140	84	46
12	101	52	27	29	32	27	68	157	126	117	81	53
13	74	53	29	28	32	28	58	157	123	104	74	56
14	75	45	28	28	33	30	45	174	120	91	68	48
15	73	31	27	26	35	33	42	162	122	85	64	45
16	69	15	28	29	35	38	46	155	116	82	62	46
17	69	37	27	32	30	38	42	153	113	81	64	45
18	66	40	28	32	32	37	42	164	107	77	70	42
19	65	38	29	31	31	27	37	180	95	73	70	41
20	65	43	28	29	30	30	38	189	97	71	64	39
21	66	46	28	29	30	36	41	207	103	70	64	39
22	64	44	29	29	32	47	56	222	103	70	64	38
23	60	43	30	29	32	57	94	210	96	77	58	39
24	62	42	25	31	34	77	160	207	90	88	54	38
25	55	44	21	33	31	116	212	203	89	102	55	35
26	51	48	21	32	30	143	153	194	92	111	65	34
27	48	50	23	32	28	101	92	196	90	100	70	34
28	68	49	29	34	28	68	83	198	93	94	68	32
29	70	51	33	32	---	62	89	215	91	88	58	32
30	70	45	32	33	---	40	121	227	93	83	52	39
31	69	---	30	33	---	40	---	222	---	113	49	---
TOTAL	2123	1403	937	912	903	1403	1979	5601	3928	3117	2458	1382
MEAN	68.5	46.8	30.2	29.4	32.3	45.3	66.0	181	131	101	79.3	46.1
AC-FT	4210	2780	1860	1810	1790	2780	3930	11110	7790	6180	4880	2740
MAX	101	65	47	34	35	143	212	227	225	167	157	82
MIN	48	15	21	23	28	25	35	132	89	70	49	32
CAL YR 1997 TOTAL		24616	MEAN	67.4	MAX	280	MIN	15	AC-FT	48830		
WTR YR 1998 TOTAL		26146	MEAN	71.6	MAX	227	MIN	15	AC-FT	51860		

MAX DISCH 268 CFS AT 2130 25-APR-1998 GH 2.88 FT. SHIFT -0.09 FT. MAX GH 2.88 FT. AT 2130 25-APR-1998

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 in a timber shelter and well. Altitude of gage is 8,360 ft from topographic map.

REMARKS.--Record is complete and reliable except for Feb. 27-28; Mar. 1-11, 1998 when the wall was frozen; May 22-27, 1998 when the recorder clock stopped. Stage-discharge relation was affected by ice Nov. 15-19, 1997 and Jan. 7-11, 1998. 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.--NOCRES009 USED FROM 01-OCT-1997 TO 30-SEP-1998

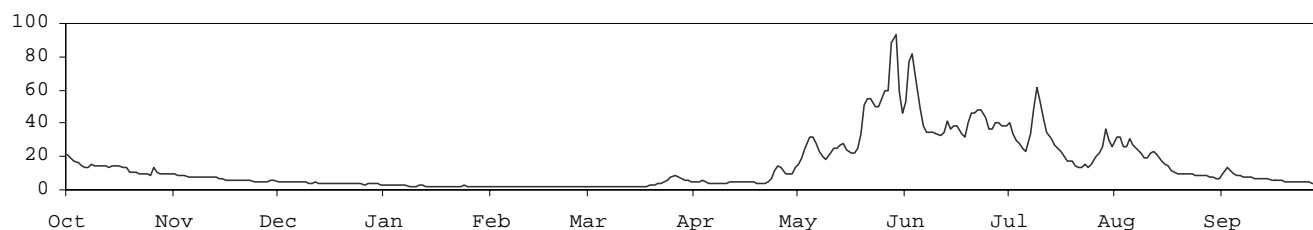
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	9.4	5.0	3.0	1.9	1.7	4.8	15	53	40	32	10
2	19	9.1	4.8	2.8	1.9	1.7	5.2	19	77	34	32	13
3	17	9.1	4.8	2.8	1.9	1.7	5.6	25	82	30	26	12
4	16	8.5	4.8	2.8	1.7	1.7	4.4	32	68	28	26	10
5	14	8.0	4.8	2.8	1.7	1.7	4.2	32	49	25	31	9.1
6	13	8.0	4.6	2.8	1.7	1.7	4.2	28	38	23	27	8.8
7	13	8.0	4.6	2.6	1.8	1.7	4.2	23	35	34	25	8.0
8	15	7.7	4.4	2.4	1.7	1.7	4.2	20	35	49	22	7.7
9	14	7.7	4.4	2.4	1.7	1.7	4.0	18	35	62	19	7.4
10	14	7.7	4.2	2.4	1.7	1.7	4.2	22	34	53	19	6.7
11	14	7.7	4.2	2.6	1.7	1.7	4.6	25	33	43	22	6.7
12	14	7.7	4.4	2.6	1.7	1.7	5.2	25	35	35	23	7.0
13	13	7.4	4.2	2.4	2.0	1.7	5.0	27	41	31	21	7.0
14	14	7.0	4.0	2.4	2.0	1.9	5.1	28	37	27	17	6.4
15	14	6.5	4.0	2.4	1.9	2.0	4.8	24	38	25	15	5.9
16	14	6.0	4.0	2.4	1.9	2.3	4.6	22	38	23	14	6.2
17	13	5.8	4.0	2.4	1.9	2.4	4.4	22	34	20	12	5.9
18	13	5.8	4.0	2.2	1.7	2.4	4.4	25	32	17	11	5.4
19	11	5.6	4.0	2.2	1.7	3.0	4.0	34	40	17	10	5.2
20	11	5.6	3.8	2.2	1.7	3.0	4.2	51	46	14	9.8	5.0
21	11	5.4	3.8	2.0	1.7	3.4	4.0	55	46	13	10	4.8
22	10	5.4	3.6	2.0	1.7	3.8	4.6	55	48	13	10	4.6
23	10	5.4	3.4	2.2	1.7	4.7	6.7	50	48	15	9.4	4.6
24	9.8	5.0	3.4	2.6	1.7	5.9	12	50	43	13	8.8	4.6
25	9.1	5.0	3.4	2.2	1.9	8.0	14	55	37	15	8.4	4.4
26	13	5.0	3.2	2.0	2.2	8.4	13	60	37	20	8.4	4.4
27	11	4.8	3.4	2.0	1.7	7.4	10	60	40	22	8.4	4.0
28	10	5.0	3.8	2.0	1.7	6.7	9.4	88	40	26	7.4	4.0
29	9.8	6.2	4.2	2.0	---	6.2	10	93	38	37	7.4	4.0
30	9.8	5.6	4.0	2.0	---	5.6	13	59	38	30	6.7	4.2
31	9.8	---	3.2	1.9	---	5.2	---	46	---	26	6.7	---
TOTAL	400.3	201.1	126.4	73.5	50.2	104.4	188.0	1188	1295	860	505.4	197.0
MEAN	12.9	6.70	4.08	2.37	1.79	3.37	6.27	38.3	43.2	27.7	16.3	6.57
AC-FT	794	399	251	146	1 00	207	373	2360	2570	1710	1000	391
MAX	21	9.4	5.0	3.0	2.2	8.4	14	93	82	62	32	13
MIN	9.1	4.8	3.2	1.9	1.7	1.7	4.0	15	32	13	6.7	4.0

CAL YR 1997 TOTAL 6059.6 MEAN 16.6 MAX 90 MIN 1.3 AC-FT 12020
WTR YR 1998 TOTAL 5189.3 MEAN 14.2 MAX 93 MIN 1.7 AC-FT 10290

MAX DISCH 214 CFS AT 2215 08-JUL-1998 GH 2.63 FT. SHIFT -0.26 FT. MAX GH 2.63 FT. AT 2215 08-JUL-1998

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. 14-25, 1997; Mar. 21-22, 29-31; Apr. 1-3, 1998 when the well was frozen. Nov. 26, 1997-Mar. 20, 1998 when the station was closed for the winter. Stage-discharge relation was affected by ice Oct. 27-30; Nov. 2-8, 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.--CARLAGCO15 USED FROM 01-OCT-1997 TO 30-SEP-1998

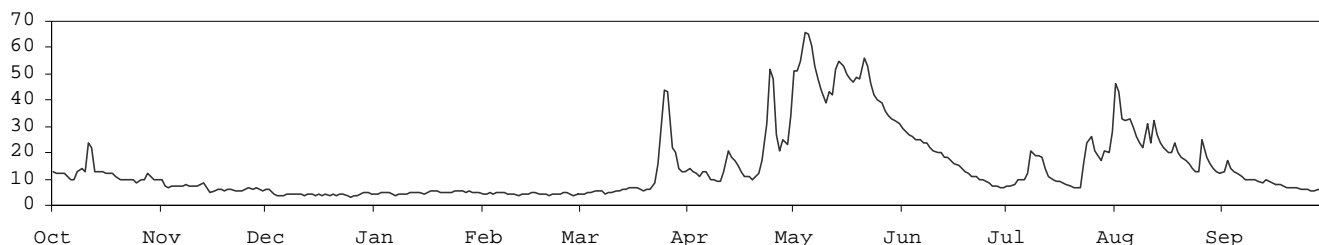
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	9.6	6.0	4.2	4.2	4.2	14	51	29	7.1	46	13
2	12	7.2	6.0	4.4	4.2	4.4	13	51	28	7.2	43	17
3	12	6.8	4.4	5.0	4.6	4.6	12	55	27	8.1	33	14
4	12	7.2	3.8	5.0	4.4	5.0	11	66	26	9.7	32	13
5	11	7.5	3.6	4.6	4.8	5.2	13	65	25	10	33	12
6	10	7.2	3.8	4.2	4.8	5.6	13	61	25	10	30	11
7	10	7.6	4.2	3.8	4.8	5.2	10	53	24	12	26	10
8	13	7.8	4.0	4.0	4.4	4.4	9.9	48	24	21	24	9.9
9	14	7.4	4.2	4.0	4.4	4.8	9.1	44	22	19	22	9.6
10	13	7.2	4.2	4.4	4.2	4.8	9.0	39	21	19	31	9.5
11	24	7.6	4.0	4.8	3.8	5.2	13	43	20	18	24	9.2
12	22	8.2	3.6	5.0	4.0	5.6	21	42	20	14	32	8.7
13	13	8.7	4.2	4.6	4.0	5.8	18	52	18	11	27	9.7
14	13	7.0	4.0	4.8	4.2	6.2	17	55	18	9.7	24	9.0
15	13	5.0	3.8	4.4	4.6	6.6	15	53	17	9.1	22	8.4
16	12	5.4	4.0	5.0	4.6	7.0	13	50	16	8.9	20	8.0
17	12	6.0	3.8	5.4	4.0	6.8	11	48	15	8.8	20	8.0
18	12	6.0	4.0	5.4	4.2	6.0	11	47	14	7.9	24	7.5
19	11	5.6	3.8	5.2	4.0	5.6	10	49	13	7.4	20	6.8
20	10	6.2	4.0	5.0	3.8	6.0	11	48	12	6.8	18	6.4
21	10	5.8	3.8	4.8	4.0	6.0	12	56	11	6.8	17	6.4
22	10	5.4	4.0	4.8	4.2	8.6	17	53	11	6.5	16	6.5
23	9.6	5.2	4.2	5.0	4.2	16	31	46	10	16	14	6.2
24	10	5.6	3.6	5.2	4.8	30	52	42	9.5	24	13	6.3
25	8.7	6.0	3.2	5.4	4.6	44	48	40	9.0	26	13	6.1
26	9.7	6.4	3.4	5.2	4.2	43	27	39	8.6	21	25	5.7
27	10	6.0	3.6	4.8	3.8	22	21	36	7.6	19	18	5.7
28	12	6.4	4.0	5.2	4.0	20	25	34	7.4	17	16	5.8
29	11	6.0	4.8	4.8	---	14	23	33	6.8	21	14	5.5
30	10	5.6	4.6	5.0	---	13	34	32	6.5	20	13	6.5
31	10	---	4.2	4.6	---	13	---	31	---	28	12	---
TOTAL	373.0	199.6	126.8	148.0	119.8	338.6	544.0	1462	501.4	430.0	722	261.4
MEAN	12.0	6.65	4.09	4.77	4.28	10.9	18.1	47.2	16.7	13.9	23.3	8.71
AC-FT	740	396	252	294	238	672	1080	2900	995	853	1430	518
MAX	24	9.6	6.0	5.4	4.8	44	52	66	29	28	46	17
MIN	8.7	5.0	3.2	3.8	3.8	4.2	9.0	31	6.5	6.5	12	5.5

CAL YR 1997 TOTAL 3639.6 MEAN 9.97 MAX 51 MIN 1.7 AC-FT 7220
WTR YR 1998 TOTAL 5226.6 MEAN 14.3 MAX 66 MIN 3.2 AC-FT 10370

MAX DISCH 103 CFS AT 0315 24-APR-1998 GH 3.01 FT. SHIFT 0.00 FT. MAX GH 3.01 FT. AT 0315 24-APR-1998

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. 2-3, 1997, and Mar. 28, 1998 when the pen was not inking well. Nov. 16-25, 1997 when the well was frozen; Nov. 26, 1997-Mar. 20, 1998 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 14-15, 1997 and Mar. 21-22, 1998. 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-1997 TO 30-SEP-1998

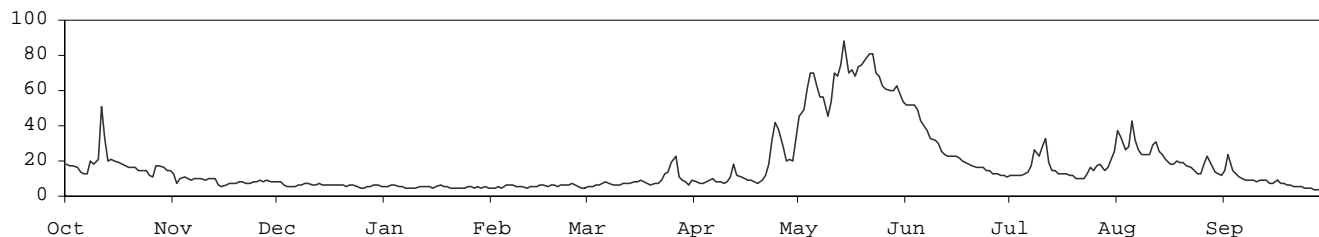
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	13	8.6	5.4	4.6	5.4	7.8	45	52	12	37	15
2	17	7.7	8.6	5.6	5.0	5.8	7.7	49	52	12	34	24
3	17	10	6.4	6.6	5.4	6.2	7.2	61	52	12	26	15
4	16	11	5.4	6.6	5.0	6.8	8.3	70	49	12	28	13
5	14	10	5.2	5.8	6.0	7.2	9.0	70	43	13	43	11
6	13	9.3	5.6	5.2	6.2	7.8	10	63	40	14	32	10
7	13	10	6.8	4.5	6.0	7.4	8.3	56	37	17	26	9.5
8	20	9.8	6.4	4.8	5.6	6.0	8.0	56	33	26	24	9.0
9	18	10	7.0	4.6	5.8	6.6	7.5	45	32	23	24	9.0
10	21	9.5	7.0	5.0	5.6	6.6	7.8	54	30	28	24	8.5
11	51	9.8	6.6	5.6	5.0	7.2	11	70	25	33	29	9.0
12	33	9.9	6.2	5.8	5.4	7.6	18	68	24	19	31	9.0
13	20	9.6	7.4	5.2	5.4	7.6	12	75	23	15	25	9.0
14	21	6.8	6.6	5.4	5.8	8.0	11	88	23	15	24	7.7
15	20	5.4	6.2	4.6	6.4	8.4	10	70	23	13	21	7.7
16	19	6.4	6.6	5.4	6.4	8.8	9.0	72	22	13	18	9.0
17	18	7.2	6.2	6.0	5.6	8.4	8.8	68	20	13	18	7.7
18	17	7.6	6.6	5.8	6.2	7.0	8.0	74	19	12	20	7.3
19	16	7.2	6.2	5.4	6.0	6.6	7.7	75	18	12	19	6.6
20	16	8.2	6.6	4.6	5.8	7.0	9.0	77	17	10	19	6.2
21	16	7.8	5.8	4.4	6.0	7.3	12	81	16	10	17	5.9
22	15	7.4	6.2	4.4	6.4	9.5	18	81	16	10	16	5.3
23	15	7.4	6.6	4.6	6.4	13	32	70	16	13	15	5.3
24	15	8.0	5.6	5.0	7.2	14	42	68	15	16	13	5.0
25	12	8.6	5.0	5.4	6.2	19	38	63	15	15	13	4.4
26	11	9.0	5.0	5.2	5.2	23	28	61	13	17	18	4.1
27	17	8.4	5.4	5.0	4.8	11	20	60	13	18	23	3.8
28	17	9.0	5.8	5.4	5.0	9.0	21	60	12	15	17	3.4
29	16	8.4	6.8	5.0	---	8.2	20	63	12	16	14	3.6
30	15	8.0	6.4	5.4	---	6.6	33	58	11	21	13	4.7
31	15	---	5.6	5.0	---	9.0	---	54	---	25	12	---
TOTAL	562	260.4	196.4	162.7	160.4	272.0	450.1	2025	773	500	693	248.7
MEAN	18.1	8.68	6.34	5.25	5.73	8.77	15.0	65.3	25.8	16.1	22.4	8.29
AC-FT	1110	517	390	323	318	540	893	4020	1530	992	1370	493
MAX	51	13	8.6	6.6	7.2	23	42	88	52	33	43	24
MIN	11	5.4	5.0	4.4	4.6	5.4	7.2	45	11	10	12	3.4

CAL YR 1997 TOTAL 5489.2 MEAN 15.0 MAX 65 MIN 2.6 AC-FT 10890
WTR YR 1998 TOTAL 6303.7 MEAN 17.3 MAX 88 MIN 3.4 AC-FT 12500

MAX DISCH 125 CFS AT 0330 14-MAY-1998 GH 2.98 FT. SHIFT 0.11 FT. MAX GH 2.98 FT. AT 0330 14-MAY-1998

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.--Graphic water-stage recorder in a 4-ft. diameter metal shelter and well. Gage is also equipped with a Sutron river satellite monitoring system with thermistor. Datum of gage is 8,600 ft., from topographic map.

REMARKS.--Record is complete and reliable except for October 16, 1997 when there was missing satellite record and the chart recorder was not in the station; and Nov. 21, 1997 through Apr. 8, 1998 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 16-20, 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 the Division III Hydrographic Staff.

RATING TABLE.--ALATERCO15 USED FROM 01-OCT-1997 TO 30-SEP-1998

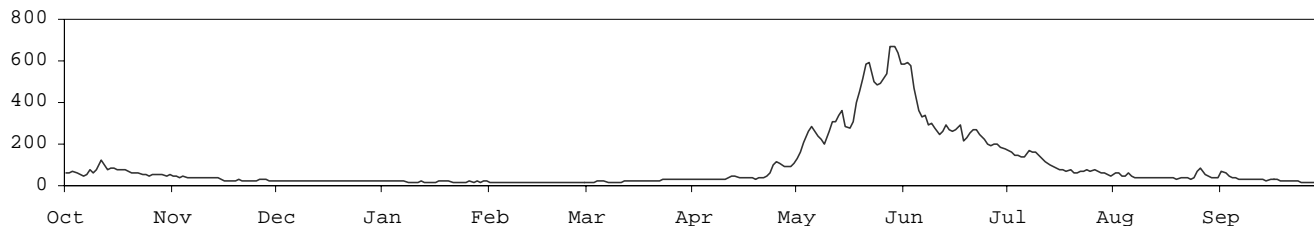
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	50	26	23	17	14	30	134	588	169	59	67
2	61	43	26	23	17	15	32	165	590	162	60	61
3	70	41	23	24	18	15	30	211	576	150	49	46
4	58	43	22	23	19	20	30	259	467	148	50	40
5	52	42	22	22	18	20	32	284	360	142	62	37
6	50	40	23	21	18	20	31	264	333	138	48	34
7	51	40	25	20	19	19	30	235	338	169	42	32
8	75	39	25	18	18	15	31	220	292	158	38	31
9	64	39	23	18	17	16	32	199	302	163	39	30
10	74	41	25	19	17	17	34	259	275	149	36	29
11	124	40	24	19	15	18	41	306	249	127	36	28
12	102	39	22	20	16	20	49	309	265	113	39	28
13	80	40	24	19	16	22	44	340	293	102	35	28
14	82	37	24	18	18	24	42	359	266	93	35	26
15	84	28	23	16	18	25	39	283	259	84	36	29
16	80	25	24	18	18	25	37	275	271	80	36	28
17	78	25	24	20	16	25	37	304	292	80	40	27
18	74	25	24	20	16	23	35	398	217	72	36	26
19	70	26	23	20	16	23	34	455	231	77	33	23
20	65	27	23	20	16	23	36	515	256	65	35	22
21	61	26	23	18	16	25	36	588	267	59	41	20
22	58	25	23	17	16	25	43	589	268	66	36	20
23	56	25	23	18	18	29	64	497	249	67	33	20
24	54	26	22	19	18	29	97	484	225	75	35	19
25	47	26	20	19	18	33	116	495	201	70	73	19
26	54	28	20	20	15	33	108	519	193	75	81	18
27	53	27	20	19	15	33	90	540	198	67	53	17
28	54	27	22	20	14	33	89	668	197	59	45	16
29	52	26	21	19	---	32	90	672	188	63	40	17
30	50	26	23	21	---	30	108	636	177	54	38	24
31	51	---	23	20	---	29	---	585	---	48	39	---
TOTAL	2047	992	715	611	473	730	1547	12047	8883	3144	1358	862
MEAN	66.0	33.1	23.1	19.7	16.9	23.5	51.6	389	296	101	43.8	28.7
AC-FT	4060	1970	1420	1210	938	1450	3070	23900	17620	6240	2690	1710
MAX	124	50	26	24	19	33	116	672	590	169	81	67
MIN	47	25	20	16	14	14	30	134	177	48	33	16

CAL YR 1997 TOTAL 48380 MEAN 133 MAX 1070 MIN 13 AC-FT 95960
WTR YR 1998 TOTAL 33409 MEAN 91.5 MAX 672 MIN 14 AC-FT 66270

MAX DISCH 859 CFS AT 2400 28-MAY-1998 GH 2.95 FT. SHIFT 0.02 FT. MAX GH 2.95 FT. AT 2400 28-MAY-1998

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 Dec. 12-16, 1997 when the well was frozen; Dec. 17, 1997 through Mar. 10, 1998 when the station was closed for the winter. 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.--ALABELCO12 USED FROM 01-OCT-1997 TO 30-SEP-1998

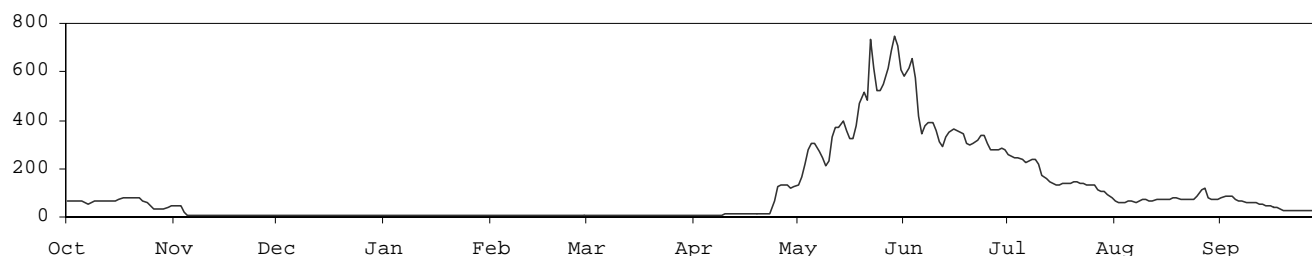
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	45	5.6	6.2	6.8	7.2	8.2	135	582	258	66	80
2	64	45	5.8	6.2	6.8	7.2	8.2	166	617	251	60	84
3	65	45	5.8	6.2	6.8	7.2	8.3	220	657	245	59	84
4	64	21	5.8	6.2	6.8	7.2	8.3	280	576	242	59	84
5	64	8.5	5.8	6.2	6.8	7.2	8.3	304	416	241	65	73
6	58	9.7	5.8	6.2	7.0	7.2	8.3	304	347	224	68	65
7	54	9.7	5.8	6.4	7.0	7.2	8.2	268	377	229	60	65
8	61	6.7	5.8	6.4	7.0	7.2	8.6	247	392	235	65	61
9	67	4.8	5.8	6.4	7.0	7.2	9.5	212	392	236	70	58
10	67	4.8	5.8	6.4	7.0	7.2	11	234	360	217	70	58
11	67	4.8	5.8	6.4	7.0	7.3	11	330	312	175	64	58
12	67	4.9	5.8	6.4	7.0	7.3	12	368	290	156	66	55
13	67	4.9	5.8	6.4	7.0	7.4	12	367	328	148	71	53
14	67	5.0	5.8	6.4	7.0	7.4	12	397	352	141	73	49
15	67	5.0	5.8	6.4	7.0	7.4	13	356	361	135	73	45
16	73	5.0	5.8	6.4	7.0	7.6	13	322	357	132	73	40
17	80	5.0	5.8	6.6	7.0	7.7	13	322	353	137	75	37
18	80	5.0	5.8	6.6	7.0	7.6	14	380	346	140	77	31
19	80	5.0	5.8	6.6	7.0	7.7	13	469	303	139	77	29
20	80	5.0	5.8	6.6	7.0	7.6	14	518	300	146	76	29
21	80	5.0	5.8	6.6	7.0	7.7	14	485	307	144	74	27
22	80	5.0	5.8	6.6	7.0	7.8	14	734	319	140	74	25
23	69	5.0	5.8	6.6	7.0	7.7	14	617	334	136	74	26
24	60	5.0	6.0	6.6	7.0	8.1	64	522	339	131	74	28
25	46	5.4	6.0	6.6	7.0	8.5	124	522	302	130	89	28
26	35	5.5	6.0	6.6	7.2	8.3	130	550	280	130	115	27
27	35	5.5	6.0	6.8	7.2	8.2	135	614	280	115	116	27
28	35	5.5	6.0	6.8	7.2	8.3	135	687	279	109	82	26
29	35	5.5	6.0	6.8	---	8.1	116	748	284	109	72	25
30	39	5.5	6.0	6.8	---	8.2	126	710	276	95	72	25
31	44	---	6.2	6.8	---	8.2	---	606	---	79	72	---
TOTAL	1914	302.7	181.4	201.2	195.6	236.1	1085.9	12994	11018	5145	2281	1402
MEAN	61.7	10.1	5.85	6.49	6.99	7.62	36.2	419	367	166	73.6	46.7
AC-FT	3800	600	360	399	388	468	2150	25770	21850	10210	4520	2780
MAX	80	45	6.2	6.8	7.2	8.5	135	748	657	258	116	84
MIN	35	4.8	5.6	6.2	6.8	7.2	8.2	135	276	79	59	25

CAL YR 1997 TOTAL 45791.5 MEAN 125 MAX 854 MIN 1.9 AC-FT 90830
WTR YR 1998 TOTAL 36956.9 MEAN 101 MAX 748 MIN 4.8 AC-FT 73300

MAX DISCH 921 CFS AT 0915 22-MAY-1998 GH 4.96 FT. SHIFT 0.07 FT. MAX GH 4.96 FT. AT 0915 22-MAY-1998

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 Nov. 14-20, 1997 when the well was frozen, and Nov. 21, 1997 through Apr. 8, 1998 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 9-13, 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.

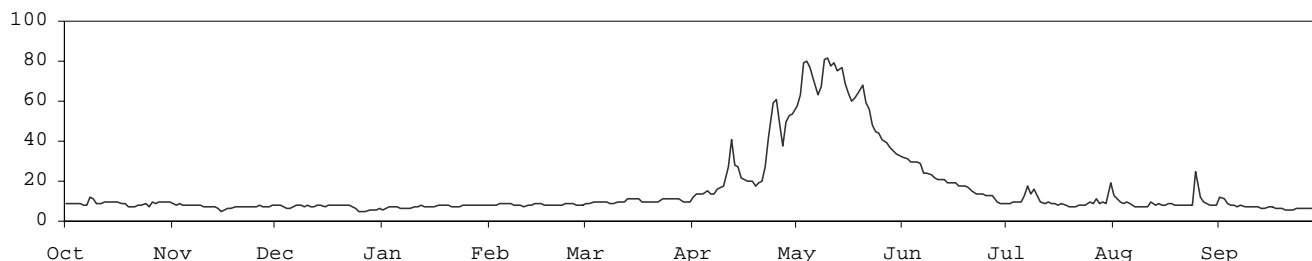
RATING TABLE.--LAJCAPCO17 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	8.9	7.8	6.0	8.0	8.8	12	58	32	8.7	13	12
2	8.6	7.9	7.8	6.2	8.0	9.0	14	63	31	9.1	11	11
3	8.8	8.7	7.0	7.6	8.4	9.4	14	79	30	9.9	9.7	8.7
4	8.6	8.4	6.8	7.4	8.8	10	14	80	30	9.9	9.1	7.9
5	8.5	7.9	6.6	7.0	8.8	9.8	15	77	30	10	9.9	7.7
6	7.9	7.7	7.2	6.8	8.8	9.8	14	71	29	13	8.5	7.6
7	7.8	7.7	7.8	6.8	9.0	9.4	14	63	24	18	7.5	7.7
8	12	7.9	7.8	6.6	8.4	9.0	16	67	24	14	7.0	7.5
9	11	7.8	7.6	6.6	8.0	9.2	17	81	23	16	7.2	7.6
10	9.2	7.0	7.8	7.0	8.2	9.6	18	82	22	13	7.4	7.1
11	9.2	7.2	7.6	7.0	7.4	10	27	78	21	10	7.4	6.9
12	10	7.6	7.4	8.0	7.8	10	41	79	21	9.1	9.4	6.9
13	9.8	7.4	7.8	7.6	7.8	11	28	75	21	9.3	8.4	6.7
14	10	6.6	7.8	7.6	8.6	11	27	77	19	9.2	9.0	6.3
15	9.4	5.0	7.6	7.0	9.0	11	22	69	19	8.6	7.9	6.9
16	9.5	5.6	8.0	7.6	8.8	11	21	64	19	8.3	8.0	6.9
17	8.9	6.2	8.0	8.0	8.0	10	20	60	18	8.6	8.5	6.7
18	8.5	6.6	8.2	8.0	8.0	10	20	62	18	7.9	9.0	6.5
19	7.6	7.0	7.8	8.0	8.0	10	18	64	18	7.5	8.3	6.2
20	7.4	7.6	7.8	8.0	8.0	10	19	68	17	7.4	8.4	5.8
21	7.3	7.2	7.8	7.6	8.0	10	20	59	15	7.4	8.2	5.9
22	7.7	7.0	8.0	7.4	8.0	10	27	56	14	8.0	8.1	5.8
23	8.0	7.0	7.4	7.6	9.0	11	42	48	14	8.4	8.0	6.3
24	8.7	7.4	6.2	7.8	9.0	11	59	45	14	8.4	7.9	6.3
25	7.2	7.4	5.2	7.8	9.0	11	61	44	13	9.3	25	6.2
26	9.8	8.0	5.2	8.0	8.4	11	49	41	13	8.8	12	6.2
27	9.1	7.6	5.2	8.0	8.4	11	38	39	13	11	9.5	6.3
28	9.3	7.6	5.6	8.0	8.0	11	50	37	10	8.8	8.6	6.2
29	9.9	7.4	5.4	8.0	---	10	53	35	8.9	9.4	8.3	7.4
30	9.4	7.8	6.0	8.2	---	10	54	34	8.8	8.7	8.1	8.5
31	9.3	---	6.2	8.0	---	10	---	33	---	19	8.2	---
TOTAL	277.0	221.1	220.4	231.2	233.6	314.0	844	1888	589.7	314.7	286.5	215.7
MEAN	8.94	7.37	7.11	7.46	8.34	10.1	28.1	60.9	19.7	10.2	9.24	7.19
AC-FT	549	439	437	459	463	623	1670	3740	1170	624	568	428
MAX	12	8.9	8.2	8.2	9.0	11	61	82	32	19	25	12
MIN	7.2	5.0	5.2	6.0	7.4	8.8	12	33	8.8	7.4	7.0	5.8
CAL YR 1997 TOTAL		6786.2	MEAN	18.6	MAX	102	MIN	4.8	AC-FT	13460		
WTR YR 1998 TOTAL		5635.9	MEAN	15.4	MAX	82	MIN	5.0	AC-FT	11180		

MAX DISCH 248 CFS AT 1430 25-AUG-1998 GH 4.97 FT. SHIFT 0.02 FT. MAX GH 4.97 FT. AT 1430 25-AUG-1998

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 Oct. 1-7, 16, 1997 when pen was not inking and missing satellite data; Dec. 5, 1997 to Mar. 27, 1998 when station was closed for the winter; Mar. 28 - Apr. 10, 1998 when the well was frozen; and June 13, 1998 when the chart recorder and shaft encoder malfunctioned. Record is good except for periods of no gage-height record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NORDSCCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

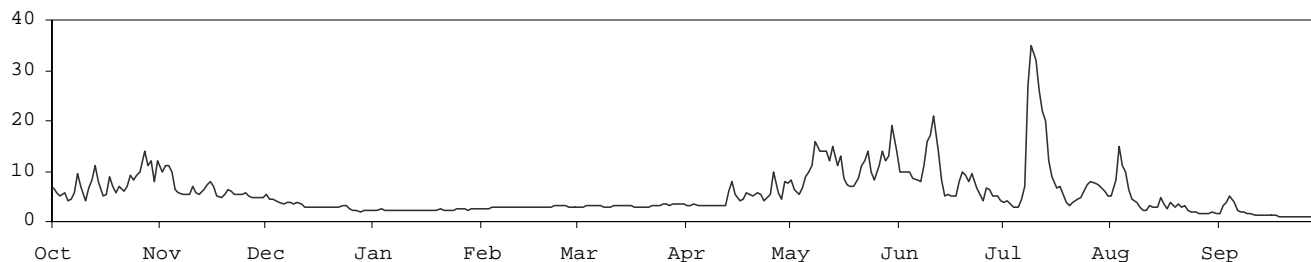
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	9.9	5.4	2.1	2.5	3.0	3.3	8.1	10	3.7	5.0	1.7
2	5.8	11	4.6	2.1	2.4	3.0	3.3	6.3	10	4.1	8.3	3.2
3	5.1	11	4.3	2.4	2.5	3.2	3.5	5.3	10	3.4	15	3.9
4	5.7	9.9	4.0	2.3	2.9	3.3	3.2	6.8	9.7	2.8	11	5.1
5	4.1	6.4	3.8	2.2	2.9	3.3	3.2	8.8	8.6	2.7	10	3.8
6	4.5	5.7	3.6	2.2	2.8	3.3	3.3	9.7	8.4	4.6	6.3	2.2
7	5.8	5.5	3.7	2.1	2.9	3.1	3.3	11	7.8	7.1	4.6	1.8
8	9.6	5.5	3.8	2.1	2.9	2.9	3.3	16	11	27	3.8	1.9
9	7.1	5.5	3.5	2.1	2.8	3.0	3.2	14	16	35	2.9	1.7
10	4.1	7.0	3.8	2.2	2.8	3.0	3.1	14	17	32	2.2	1.5
11	6.7	5.7	3.4	2.2	2.7	3.1	3.2	14	21	26	2.1	1.4
12	8.2	5.5	2.9	2.2	2.7	3.2	3.2	12	14	22	3.1	1.3
13	11	6.2	2.9	2.2	2.7	3.1	5.9	15	8.1	20	2.9	1.4
14	7.9	7.4	3.0	2.2	3.0	3.2	7.8	11	5.2	12	2.8	1.3
15	5.2	8.0	3.0	2.1	3.0	3.2	5.4	13	5.3	8.9	4.7	1.2
16	5.4	7.0	2.8	2.2	3.0	3.3	4.2	8.7	5.2	6.8	3.4	1.2
17	8.8	5.2	3.0	2.3	3.0	3.0	4.4	7.2	5.1	7.0	2.6	1.2
18	7.0	4.8	3.0	2.3	3.0	3.0	5.7	6.9	8.0	5.5	3.9	1.1
19	5.7	5.5	3.0	2.3	2.9	2.9	5.4	7.1	9.8	3.7	3.0	1.1
20	7.0	6.3	3.0	2.4	2.9	3.0	5.1	8.5	9.2	3.1	3.6	0.99
21	6.0	6.0	3.0	2.3	3.0	3.0	5.7	11	7.9	3.9	3.0	0.93
22	7.0	5.5	3.0	2.2	3.1	3.2	5.5	12	9.4	4.5	3.1	0.93
23	9.1	5.3	3.2	2.2	3.2	3.2	4.0	14	6.8	4.9	2.2	0.95
24	8.4	5.3	3.2	2.2	3.3	3.2	4.8	10	5.3	6.0	2.0	0.94
25	9.2	5.8	2.6	2.6	3.1	3.5	5.4	8.4	4.2	7.4	1.8	0.95
26	9.9	5.0	2.1	2.4	2.9	3.4	10	11	6.7	7.8	1.7	0.94
27	14	4.7	2.1	2.4	2.9	3.3	5.8	14	6.2	7.5	1.7	0.92
28	11	4.9	2.0	2.3	2.9	3.4	4.5	12	5.2	7.4	1.6	0.99
29	12	4.9	2.2	2.4	---	3.6	7.9	13	5.1	6.8	1.6	0.96
30	7.9	4.9	2.1	2.6	---	3.5	7.6	19	4.1	5.9	2.0	1.0
31	12	---	2.1	2.6	---	3.4	---	14	---	5.2	1.7	---
TOTAL	238.0	191.3	98.1	70.4	80.7	98.8	144.2	341.8	260.3	304.7	123.6	48.51
MEAN	7.68	6.38	3.16	2.27	2.88	3.19	4.81	11.0	8.68	9.83	3.99	1.62
AC-FT	472	379	195	140	160	196	286	678	516	604	245	96
MAX	14	11	5.4	2.6	3.3	3.6	10	19	21	35	15	5.1
MIN	4.1	4.7	2.0	2.1	2.4	2.9	3.1	5.3	4.1	2.7	1.6	0.92

CAL YR 1997 TOTAL 2597.2 MEAN 7.12 MAX 63 MIN 1.6 AC-FT 5150
WTR YR 1998 TOTAL 2000.41 MEAN 5.48 MAX 35 MIN 0.92 AC-FT 3970

MAX DISCH 43 CFS AT 1200 09-JUL-1998 GH 2.26 FT. SHIFT 0.01 FT. MAX GH 2.26 FT. AT 1200 09-JUL-1998

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 Nov. 19, 1997 when recorder clock stopped and missing satellite data; Nov. 26 - Dec. 4, 1997 when well was frozen; and Dec. 5, 1997 to Mar. 27, 1998 when the station was closed for the winter. Stage-discharge relation was affected by ice Oct. 26, Nov. 22, 25, 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.--NORDLSCO03 USED FROM 01-OCT-1997 TO 30-SEP-1998

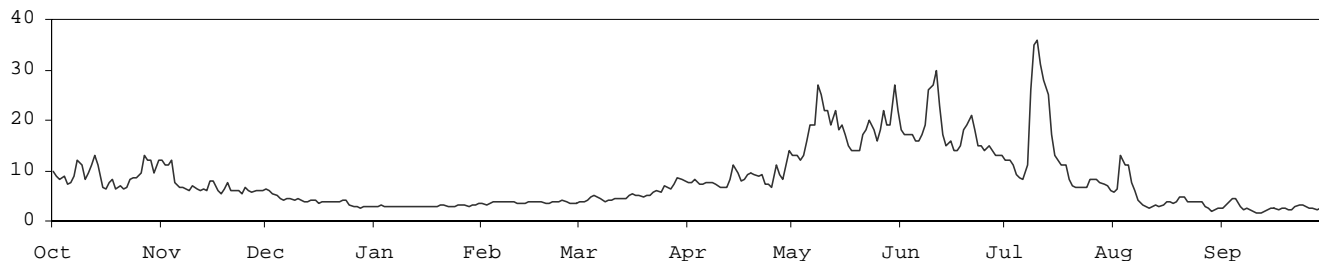
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	12	6.4	2.8	3.5	3.8	7.6	13	18	12	5.8	2.6
2	9.0	11	6.0	2.8	3.3	3.8	7.6	13	17	12	6.4	3.2
3	8.3	11	5.4	3.1	3.5	4.2	8.1	12	17	11	13	3.7
4	8.9	12	5.0	3.0	3.7	4.7	7.2	13	17	9.1	11	4.5
5	7.3	7.6	4.5	2.9	3.8	5.0	7.2	16	16	8.5	11	4.3
6	7.7	6.8	4.2	2.9	3.7	4.8	7.6	19	16	8.2	7.7	2.8
7	9.0	6.6	4.3	2.8	3.8	4.5	7.7	19	17	11	5.9	2.3
8	12	6.3	4.4	2.8	3.8	3.8	7.6	27	19	26	4.1	2.5
9	11	5.9	4.2	2.8	3.7	4.1	7.3	25	26	35	3.2	2.1
10	8.4	7.1	4.3	2.9	3.7	4.0	6.8	22	27	36	2.8	1.8
11	9.6	6.4	4.2	2.9	3.5	4.3	6.7	22	30	31	2.6	1.6
12	11	5.9	3.8	2.9	3.5	4.5	6.7	19	23	28	2.8	1.6
13	13	6.2	3.8	2.9	3.5	4.3	8.3	22	17	25	3.3	1.8
14	11	6.0	4.0	2.9	3.8	4.5	11	18	15	17	2.9	2.2
15	6.6	7.9	4.0	2.8	3.8	5.0	9.5	19	16	13	3.3	2.4
16	6.2	7.8	3.6	2.9	3.8	5.4	7.8	17	14	12	3.8	2.4
17	7.6	6.1	3.9	3.0	3.8	5.0	8.1	15	14	11	3.8	2.2
18	8.2	5.3	3.9	3.0	3.8	5.0	9.2	14	15	11	3.6	2.5
19	6.2	6.2	3.9	3.0	3.6	4.7	9.5	14	18	8.4	3.8	2.4
20	7.1	7.7	3.9	3.2	3.6	5.0	9.1	14	19	7.0	4.8	2.2
21	6.4	5.9	3.9	3.1	3.7	5.0	9.0	17	21	6.7	4.7	2.3
22	6.8	6.0	3.8	2.9	3.8	5.6	9.1	18	18	6.8	3.8	2.7
23	8.3	6.0	4.0	2.9	3.9	6.0	7.2	20	15	6.6	3.8	3.1
24	8.7	5.3	4.0	2.9	4.0	5.8	7.2	18	15	6.8	3.8	3.2
25	8.7	6.6	3.2	3.3	3.8	7.0	6.8	16	14	8.1	3.7	2.8
26	9.5	6.0	2.8	3.1	3.6	6.6	11	18	15	8.3	3.7	2.6
27	13	5.8	2.8	3.1	3.6	6.4	9.1	22	14	8.3	2.8	2.6
28	12	6.0	2.6	3.0	3.6	7.4	8.3	19	13	7.6	2.5	2.1
29	12	6.0	2.9	3.3	---	8.5	11	19	13	7.2	2.0	2.5
30	9.5	6.0	2.8	3.3	---	8.4	14	27	13	7.0	2.2	2.9
31	12	---	2.8	3.6	---	8.0	---	22	---	6.0	2.4	---
TOTAL	285.0	211.4	123.3	92.8	103.3	165.1	253.3	569	522	411.6	141.0	77.9
MEAN	9.19	7.05	3.98	2.99	3.69	5.33	8.44	18.4	17.4	13.3	4.55	2.60
AC-FT	565	419	245	184	205	327	502	1130	1040	816	280	155
MAX	13	12	6.4	3.6	4.0	8.5	14	27	30	36	13	4.5
MIN	6.2	5.3	2.6	2.8	3.3	3.8	6.7	12	13	6.0	2.0	1.6

CAL YR 1997 TOTAL 4053.2 MEAN 11.1 MAX 68 MIN 2.5 AC-FT 8040
WTR YR 1998 TOTAL 2955.7 MEAN 8.10 MAX 36 MIN 1.6 AC-FT 5860

MAX DISCH 40 CFS AT 1930 09-JUL-1998 GH 1.29 FT. SHIFT 0.09 FT. MAX GH 1.29 FT. AT 1930 09-JUL-1998

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 Lasauses, 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 Dec. 11-18, 1997, when the well was frozen, and Dec. 19, 1997-Feb. 26, 1998, when the station was closed for the winter. Stage-discharge relation affected by ice Dec. 9-10, 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.

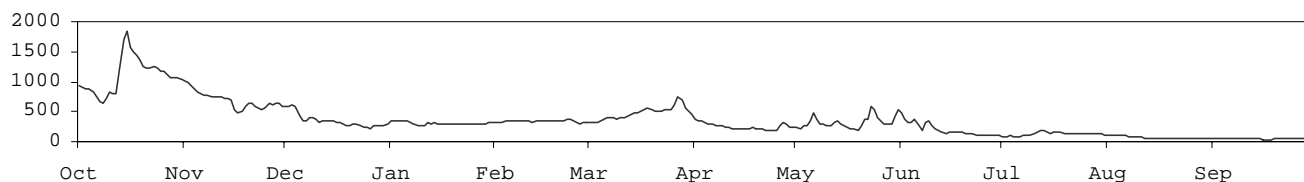
RATING TABLE.--RIOTRICO11 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	928	1020	574	350	310	311	372	230	493	93	106	53
2	910	980	575	340	325	311	339	220	376	92	101	54
3	890	934	617	340	330	331	341	262	328	94	111	51
4	869	869	574	350	335	350	318	274	318	91	104	58
5	832	833	424	355	335	375	305	336	380	91	97	63
6	756	813	350	345	345	395	292	481	260	91	100	53
7	674	785	345	310	340	413	274	381	188	95	87	51
8	652	772	396	300	350	405	271	294	315	109	88	51
9	716	750	390	280	340	386	257	294	341	120	78	52
10	828	744	385	260	340	389	249	274	270	135	74	49
11	789	738	325	280	335	403	232	256	212	152	72	46
12	805	734	345	310	325	428	220	310	185	174	66	46
13	1170	728	355	300	340	462	220	336	160	178	59	47
14	1700	725	350	310	340	467	226	287	141	156	56	48
15	1830	694	340	305	345	485	226	257	166	142	58	47
16	1570	546	330	295	355	515	210	234	162	147	58	40
17	1500	491	320	285	360	538	212	216	168	170	55	35
18	1440	515	300	300	345	549	232	207	155	150	50	33
19	1350	588	280	305	355	541	216	197	163	142	45	45
20	1260	631	280	300	350	515	214	268	145	141	45	46
21	1220	628	295	300	350	501	209	374	125	141	52	41
22	1240	600	285	290	365	505	198	384	122	128	45	48
23	1250	571	275	290	380	524	187	577	115	137	46	55
24	1220	532	250	290	350	528	179	528	114	143	47	52
25	1180	554	235	290	310	529	191	401	115	145	41	54
26	1170	630	225	305	300	619	261	339	114	137	53	45
27	1120	621	255	305	312	745	311	298	112	137	53	47
28	1070	638	260	305	323	705	304	286	104	139	54	46
29	1080	627	270	305	---	556	251	285	98	131	52	49
30	1070	589	280	315	---	502	234	423	96	137	49	53
31	1050	---	305	315	---	451	---	525	---	108	52	---
TOTAL	34139	20880	10790	9530	9490	14734	7551	10034	6041	4046	2054	1458
MEAN	1101	696	348	307	339	475	252	324	201	131	66.3	48.6
AC-FT	67710	41420	21400	18900	18820	29220	14980	19900	11980	8030	4070	2890
MAX	1830	1020	617	355	380	745	372	577	493	178	111	63
MIN	652	491	225	260	300	311	179	197	96	91	41	33
CAL YR 1997 TOTAL		188015	MEAN	515	MAX	2010	MIN	145	AC-FT	372900		
WTR YR 1998 TOTAL		130747	MEAN	358	MAX	1830	MIN	33	AC-FT	259300		

MAX DISCH 1890 CFS AT 0415 15-OCT-1997 GH 6.16 FT. SHIFT -0.16 FT. MAX GH 6.16 FT. AT 0415 15-OCT-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. 23-29, 1997 when the well was frozen, and Dec. 30, 1997 through Mar. 24, 1998 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 15-19, 21-25, 28-30, and Dec. 1, 3-7, 11-13, 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.

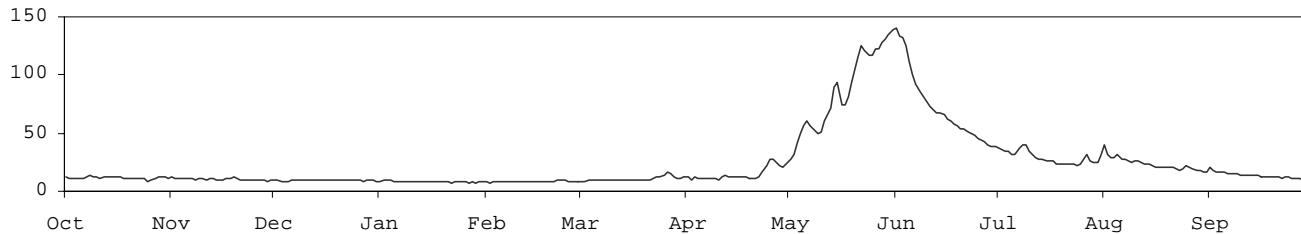
RATING TABLE.--TRITURCO12 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	12	10	8.6	7.6	8.8	13	27	140	37	40	20
2	11	11	10	9.0	7.4	8.8	9.8	32	134	36	32	18
3	11	11	8.8	9.4	7.6	9.2	13	41	132	34	29	17
4	11	11	8.4	9.0	7.8	9.6	11	49	125	34	29	16
5	11	11	8.8	8.6	8.0	9.6	11	56	111	32	31	16
6	11	11	9.4	8.2	8.0	9.6	11	61	100	31	28	15
7	12	11	10	7.8	8.0	9.2	11	56	92	37	27	15
8	14	10	10	7.8	8.2	9.0	11	53	86	40	26	15
9	12	11	9.8	7.8	8.0	9.0	11	49	81	40	25	15
10	12	11	9.8	8.4	7.6	9.4	10	51	77	35	26	14
11	11	10	9.8	8.4	7.8	9.2	12	61	73	31	26	14
12	13	11	9.4	8.4	7.8	9.6	14	66	70	29	25	14
13	12	11	9.4	8.0	7.8	9.6	13	71	67	28	23	14
14	12	10	9.8	8.0	8.4	9.8	13	89	67	27	23	14
15	12	10	9.8	7.6	8.4	10	13	93	66	26	22	14
16	12	10	9.8	8.0	8.2	10	12	75	62	26	21	13
17	12	11	10	7.8	8.2	10	12	74	61	26	21	13
18	11	11	10	7.8	8.0	9.6	12	81	58	24	20	13
19	11	12	9.8	7.8	8.0	9.2	11	93	56	24	21	12
20	11	11	9.8	7.8	8.0	10	11	105	54	23	21	12
21	11	10	9.8	7.6	8.2	10	11	116	53	23	20	12
22	11	10	9.8	7.2	9.0	11	12	125	51	24	19	11
23	11	10	10	7.6	9.0	12	16	121	50	23	18	13
24	11	10	10	7.6	9.0	12	22	117	48	22	19	12
25	8.4	10	9.4	7.8	8.8	14	27	117	46	23	22	11
26	9.4	9.7	9.0	7.6	8.6	16	27	123	44	28	21	11
27	11	9.9	8.8	7.4	8.4	15	25	123	42	31	19	11
28	12	9.0	9.0	7.6	8.4	13	22	128	40	26	18	10
29	12	8.6	9.4	7.4	---	11	21	131	38	25	18	12
30	12	9.2	9.0	7.6	---	11	23	135	38	25	17	14
31	11	---	8.8	7.6	---	12	---	139	---	32	17	---
TOTAL	353.8	313.4	295.6	247.2	228.2	326.2	440.8	2658	2162	902	724	411
MEAN	11.4	10.4	9.54	7.97	8.15	10.5	14.7	85.7	72.1	29.1	23.4	13.7
AC-FT	702	622	586	490	453	647	874	5270	4290	1790	1440	815
MAX	14	12	10	9.4	9.0	16	27	139	140	40	40	20
MIN	8.4	8.6	8.4	7.2	7.4	8.8	9.8	27	38	22	17	10
CAL YR 1997 TOTAL		8844.4	MEAN	24.2	MAX	149	MIN	4.5	AC-FT	17540		
WTR YR 1998 TOTAL		9062.2	MEAN	24.8	MAX	140	MIN	7.2	AC-FT	17970		

MAX DISCH 145 CFS AT 0830 01-JUN-1998 GH 2.43 FT. SHIFT -0.18 FT. MAX GH 2.98 FT. AT 0700 26-DEC-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 Oct. 28-Nov. 8, 13-30, Dec. 1-3, 1997 and May 14-15, 1998 when the clock stopped; Dec. 4, 1997-Mar. 24, 1998 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.--TRIMTNC06 USED FROM 01-OCT-1997 TO 30-SEP-1998

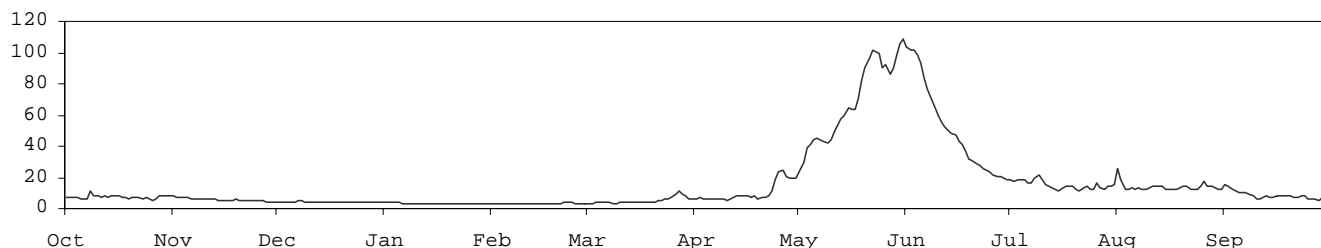
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	8.0	4.6	3.6	3.2	3.4	6.3	24	104	18	26	15
2	7.0	7.6	4.6	3.7	3.2	3.4	7.0	30	102	17	18	14
3	7.4	7.2	4.4	3.8	3.2	3.6	6.3	39	102	18	12	12
4	7.4	7.0	4.2	3.7	3.3	3.8	6.6	41	98	18	12	11
5	6.3	6.8	4.3	3.6	3.4	3.8	6.3	44	93	18	13	10
6	6.6	6.5	4.5	3.5	3.4	3.8	6.6	45	84	16	12	9.8
7	6.6	6.3	4.7	3.3	3.4	3.7	6.3	44	77	16	13	9.8
8	11	6.3	4.7	3.3	3.5	3.5	6.3	43	72	19	12	9.4
9	8.2	6.3	4.6	3.3	3.4	3.5	6.0	42	65	22	12	8.6
10	7.8	6.3	4.6	3.5	3.2	3.7	5.6	44	60	18	13	6.3
11	7.4	6.3	4.6	3.5	3.3	3.7	6.0	49	55	15	14	6.6
12	8.2	6.0	4.4	3.5	3.3	4.0	7.4	53	52	14	14	7.0
13	7.0	6.0	4.4	3.4	3.3	4.0	7.8	57	50	13	14	8.6
14	7.8	5.4	4.5	3.4	3.5	4.1	7.8	60	48	12	14	7.0
15	7.8	5.4	4.5	3.3	3.5	4.3	7.8	65	47	11	12	7.4
16	7.8	5.4	4.5	3.4	3.4	4.3	7.8	64	43	13	12	8.2
17	7.4	5.6	4.5	3.3	3.4	4.3	7.0	64	41	14	12	8.6
18	7.0	5.6	4.5	3.3	3.3	4.2	7.8	71	37	14	12	8.6
19	6.6	5.8	4.5	3.3	3.3	4.1	6.6	82	32	14	13	7.8
20	7.0	5.4	4.5	3.3	3.3	4.6	7.4	90	31	12	14	7.8
21	7.0	5.0	4.5	3.2	3.4	4.9	7.0	96	29	11	14	7.4
22	7.0	5.0	4.5	3.1	3.7	5.4	8.2	102	28	13	12	6.9
23	6.6	5.0	4.5	3.2	3.7	5.8	11	101	26	14	12	8.2
24	7.0	5.0	4.5	3.2	3.7	6.4	18	99	25	12	12	8.2
25	6.0	5.0	4.3	3.3	3.5	7.0	24	90	24	12	14	6.3
26	5.2	4.8	4.0	3.2	3.4	9.0	25	92	22	16	17	6.0
27	6.6	4.8	3.8	3.2	3.2	11	21	86	21	13	14	6.0
28	8.0	4.5	3.8	3.2	3.2	9.4	19	90	21	12	14	5.6
29	8.0	4.2	3.9	3.1	---	8.2	19	98	19	14	13	7.0
30	8.2	4.4	3.8	3.2	---	6.0	20	106	18	14	12	9.4
31	8.2	---	3.7	3.2	---	6.6	---	109	---	15	12	---
TOTAL	227.1	172.9	135.4	104.1	94.6	157.5	308.9	2120	1526	458	420	254.5
MEAN	7.33	5.76	4.37	3.36	3.38	5.08	10.3	68.4	50.9	14.8	13.5	8.48
AC-FT	450	343	269	206	188	312	613	4210	3030	908	833	505
MAX	11	8.0	4.7	3.8	3.7	11	25	109	104	22	26	15
MIN	5.2	4.2	3.7	3.1	3.2	3.4	5.6	24	18	11	12	5.6

CAL YR 1997 TOTAL 6142.7 MEAN 16.8 MAX 123 MIN 1.5 AC-FT 12180
WTR YR 1998 TOTAL 5979.0 MEAN 16.4 MAX 109 MIN 3.1 AC-FT 11860

MAX DISCH 136 CFS AT 0215 04-MAY-1998 GH 1.69 FT. SHIFT 0.14 FT. MAX GH 1.69 FT. AT 0215 04-MAY-1998

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 except for Dec. 4, 6-31, 1997, Jan. 1-27, Mar. 1-3, 1998 when the satellite system was stopped for the winter and the chart recorder clock stopped; and April 2, 1998 when the chart recorder clock stopped and there was missing satellite data. Stage-discharge relation was affected by ice Nov. 15-19, 21-25, 30, Dec. 1-3, 5, 1997, Jan. 28-31, Feb. 1-3, 10-13, 19-21, 26-28, Mar. 7-11, 1998. 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.--SANFTGCO18 USED FROM 01-OCT-1997 TO 30-SEP-1998

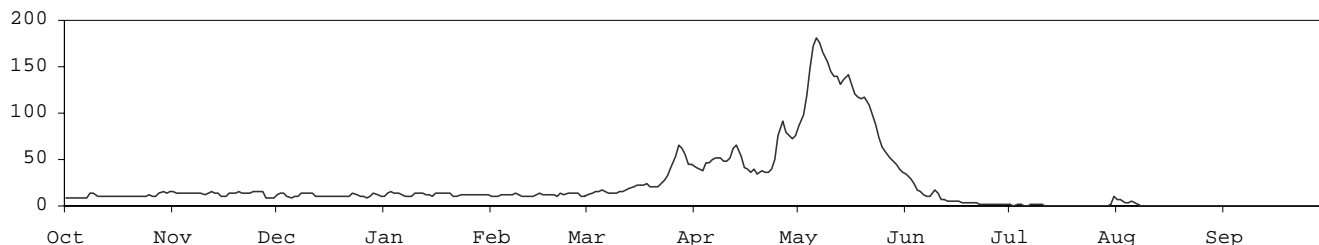
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	15	12	11	11	12	42	87	34	0.87	6.7	0.43
2	8.3	14	14	13	11	13	40	98	29	0.83	6.9	0.43
3	8.1	13	14	15	11	15	38	119	24	0.96	2.9	0.38
4	8.1	13	10	14	12	16	46	149	18	0.88	4.1	0.30
5	8.0	13	9.0	13	12	17	46	172	15	0.84	5.0	0.29
6	7.9	13	10	12	12	16	50	181	12	0.76	3.6	0.29
7	7.8	13	11	10	12	13	51	176	11	0.95	1.8	0.28
8	13	13	14	10	13	14	51	165	9.6	1.1	0.76	0.29
9	14	13	14	10	12	14	49	155	17	1.1	0.52	0.28
10	11	12	13	13	11	15	49	144	14	0.96	0.53	0.28
11	9.8	13	13	13	11	16	51	139	6.8	0.81	0.60	0.30
12	11	15	10	13	11	17	62	140	6.3	0.67	0.54	0.30
13	11	14	10	12	11	19	65	131	5.6	0.64	0.42	0.30
14	11	13	11	12	12	20	54	136	5.6	0.55	0.45	0.29
15	11	9.5	11	11	13	22	41	142	5.4	0.52	0.47	0.26
16	11	11	11	13	12	23	40	131	4.5	0.52	0.44	0.27
17	10	13	11	13	12	22	37	121	3.9	0.55	0.39	0.28
18	10	13	11	13	12	24	39	118	3.6	0.63	0.39	0.30
19	10	14	11	13	12	20	34	116	3.2	0.53	0.37	0.24
20	10	15	11	13	11	20	38	117	2.8	0.49	0.43	0.19
21	10	14	11	11	13	21	36	108	2.7	0.46	0.33	0.18
22	11	14	11	11	12	24	37	99	2.5	0.43	0.33	0.20
23	11	14	13	12	14	27	40	88	2.3	0.50	0.32	0.28
24	11	15	12	12	14	32	50	74	2.2	0.54	0.33	0.26
25	12	16	10	12	14	42	76	63	2.0	0.52	0.41	0.23
26	9.8	16	10	12	13	54	92	59	1.7	0.65	0.40	0.22
27	10	16	9.0	12	11	66	79	52	1.5	0.60	0.37	0.25
28	14	8.4	11	12	11	62	76	48	1.3	0.47	0.34	0.28
29	15	9.1	13	12	---	56	72	44	1.1	0.47	0.33	0.35
30	14	9.0	12	12	---	45	76	40	1.1	2.3	0.31	0.38
31	15	---	11	12	---	44	---	37	---	10	0.29	---
TOTAL	332.9	394.0	354.0	377	336	821	1557	3449	249.7	32.11	41.09	8.57
MEAN	10.7	13.1	11.4	12.2	12.0	26.5	51.9	111	8.32	1.04	1.33	0.29
AC-FT	660	781	702	748	666	1630	3090	6840	495	64	81	17
MAX	15	16	14	15	14	66	92	181	34	10	6.9	0.43
MIN	7.8	8.4	9.0	10	11	12	34	37	1.1	0.43	0.29	0.18

CAL YR 1997 TOTAL 6683.33 MEAN 18.3 MAX 118 MIN 0.34 AC-FT 13260
WTR YR 1998 TOTAL 7952.37 MEAN 21.8 MAX 181 MIN 0.18 AC-FT 15770

MAX DISCH 191 CFS AT 0830 06-MAY-1998 GH 3.67 FT. SHIFT -0.24 FT. MAX GH 3.67 FT. AT 0830 06-MAY-1998

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 Nov. 14-30, Dec. 1-3, 1997, Mar. 29-31, and Apr. 1-10, 1998 when the well was frozen, and Dec. 4, 1997 through Mar. 24, 1998 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 9-13, 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.

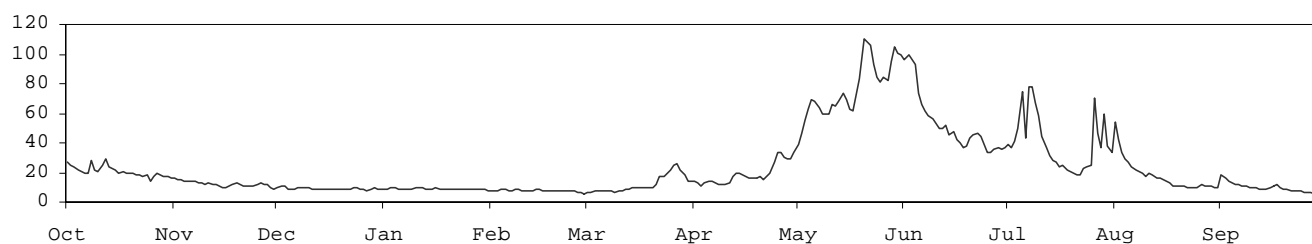
RATING TABLE.--UTEFTGCO17 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	16	10	8.4	8.0	6.4	14	39	96	39	54	18
2	25	15	11	9.0	7.8	6.4	13	47	99	37	42	16
3	24	15	11	9.8	8.0	7.2	11	55	96	41	34	14
4	22	14	9.0	9.4	8.2	8.0	13	63	93	50	29	13
5	21	14	8.6	9.0	8.4	8.0	14	69	73	75	27	12
6	20	14	9.0	8.6	8.0	7.8	14	68	66	43	24	12
7	19	14	9.4	8.2	8.0	7.6	13	64	62	78	22	11
8	28	13	10	8.2	8.4	7.4	12	60	58	78	21	11
9	22	13	10	8.6	8.2	7.0	12	60	56	67	19	9.8
10	21	12	9.4	9.6	8.0	7.8	12	60	53	58	17	9.4
11	25	13	8.8	9.6	8.0	7.8	13	66	50	44	20	9.2
12	29	12	8.4	9.6	8.0	8.8	17	65	50	37	18	9.0
13	24	12	8.4	9.0	8.0	8.8	20	68	52	31	16	9.1
14	23	11	9.0	9.0	8.4	9.4	20	74	45	28	16	8.9
15	22	10	9.0	8.6	8.4	10	18	69	48	27	15	9.2
16	20	10	9.0	9.2	7.8	10	17	63	42	24	14	11
17	21	11	9.0	9.0	7.8	9.8	16	62	40	25	13	12
18	20	12	9.0	9.0	7.4	9.6	16	72	37	22	11	10
19	19	13	9.0	9.0	7.4	9.4	16	83	38	21	11	9.0
20	19	12	8.8	9.0	7.2	10	17	110	43	20	11	8.6
21	18	11	9.0	8.4	7.4	12	15	108	45	18	11	7.6
22	18	11	9.0	8.2	7.8	17	17	106	46	18	10	7.4
23	17	11	10	8.6	7.6	17	20	93	44	23	9.7	8.0
24	18	11	9.6	8.6	7.4	20	27	84	39	24	9.6	7.3
25	14	12	9.0	8.8	7.2	22	34	81	33	25	9.7	6.5
26	17	13	8.4	8.6	6.4	25	34	84	34	70	12	6.0
27	19	12	8.0	8.2	6.0	26	30	82	36	47	11	6.4
28	18	12	8.4	8.4	5.8	22	29	95	37	37	11	5.7
29	17	10	9.4	8.2	---	18	29	105	36	59	11	8.1
30	17	9.0	9.0	8.2	---	14	33	101	37	38	9.9	9.8
31	16	---	8.6	8.0	---	14	---	100	---	34	9.6	---
TOTAL	640	368.0	284.2	272.0	215.0	374.2	566	2356	1584	1238	548.5	295.0
MEAN	20.6	12.3	9.17	8.77	7.68	12.1	18.9	76.0	52.8	39.9	17.7	9.83
AC-FT	1270	730	564	540	426	742	1120	4670	3140	2460	1090	585
MAX	29	16	11	9.8	8.4	26	34	110	99	78	54	18
MIN	14	9.0	8.0	8.0	5.8	6.4	11	39	33	18	9.6	5.7
CAL YR 1997 TOTAL		10852.2	MEAN	29.7	MAX	204	MIN	3.6	AC-FT	21530		
WTR YR 1998 TOTAL		8740.9	MEAN	23.9	MAX	110	MIN	5.7	AC-FT	17340		

MAX DISCH 135 CFS AT 2230 07-JUL-1998 GH 2.73 FT. SHIFT 0.07 FT. MAX GH 2.73 FT. AT 2230 07-JUL-1998

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 Oct. 16, Dec. 5-26, 1997, Jan. 22-27, Feb. 26-27, 1998 when the chart recorder clock stopped and the satellite data was not complete. 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-1997 TO 30-SEP-1998

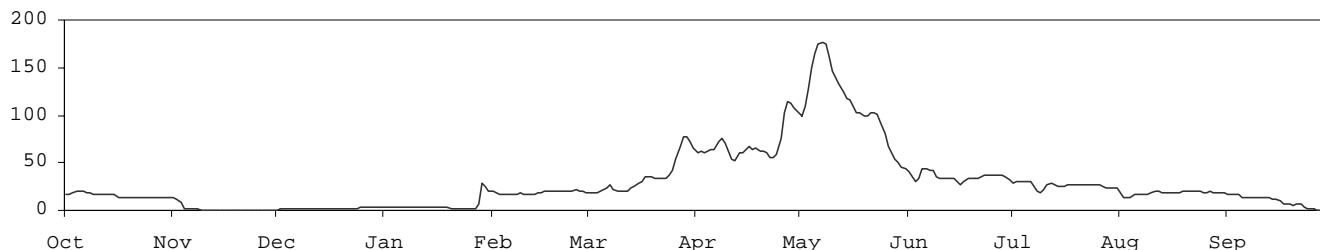
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	13	0.81	2.9	20	19	61	99	40	29	18	17
2	17	12	0.94	2.9	18	19	62	110	35	31	14	17
3	18	7.9	1.0	3.1	16	19	60	127	30	31	14	17
4	20	1.6	1.0	3.1	16	20	62	149	34	31	14	16
5	20	0.96	1.0	3.1	16	22	64	164	43	31	16	14
6	20	0.94	1.0	2.7	16	24	64	175	43	31	17	14
7	19	0.90	1.2	2.9	16	27	73	177	42	26	17	14
8	18	0.93	1.2	2.9	17	22	76	175	42	21	17	13
9	17	0.82	1.2	2.9	18	21	70	162	36	19	17	13
10	17	0.73	1.4	2.9	17	21	63	147	34	22	19	13
11	16	0.67	1.4	2.9	17	20	54	139	34	27	20	13
12	16	0.68	1.4	2.9	17	20	52	132	34	29	20	13
13	16	0.67	1.6	2.9	17	23	60	125	34	27	19	13
14	16	0.58	1.6	2.9	18	26	61	117	34	26	19	12
15	16	0.45	1.8	2.9	19	29	64	116	31	25	19	12
16	14	0.47	1.8	2.9	20	31	67	110	27	25	19	10
17	14	0.48	1.8	2.9	21	35	64	103	30	27	18	6.7
18	14	0.48	2.0	2.9	21	36	65	102	34	27	19	6.6
19	14	0.54	2.0	2.9	20	36	62	99	34	27	20	6.4
20	14	0.56	2.2	2.5	21	34	63	99	33	27	20	5.5
21	14	0.66	2.2	2.5	20	33	60	103	33	27	20	6.0
22	14	0.71	2.2	2.5	20	33	56	103	35	27	20	6.3
23	14	0.71	2.4	2.5	20	34	56	101	37	27	20	4.2
24	14	0.71	2.4	2.5	21	37	59	93	37	27	20	1.0
25	14	0.69	2.6	2.5	22	42	76	80	37	27	19	1.0
26	14	0.71	2.6	2.5	21	54	102	67	37	27	19	0.94
27	14	0.77	2.7	2.5	20	68	115	60	37	25	20	0.62
28	14	0.83	2.9	7.0	19	77	113	54	37	23	19	0.71
29	14	0.81	2.9	28	---	77	107	50	36	23	19	0.60
30	14	0.81	2.9	26	---	73	104	46	32	23	19	0.49
31	14	---	2.9	21	---	65	---	43	---	23	18	---
TOTAL	487	52.77	57.05	157.5	524	1097	2115	3427	1062	818	569	268.05
MEAN	15.7	1.76	1.84	5.08	18.7	35.4	70.5	111	35.4	26.4	18.4	8.94
AC-FT	966	105	113	312	1040	2180	4200	6800	2110	1620	1130	532
MAX	20	13	2.9	28	22	77	115	177	43	31	20	17
MIN	14	0.45	0.81	2.5	16	19	52	43	27	19	14	0.49

CAL YR 1997 TOTAL 6286.66 MEAN 17.2 MAX 95 MIN 0.32 AC-FT 12470
WTR YR 1998 TOTAL 10634.38 MEAN 29.1 MAX 177 MIN 0.45 AC-FT 21090

MAX DISCH 182 CFS AT 2215 06-MAY-1998 GH 4.39 FT. SHIFT 0.14 FT. MAX GH 4.39 FT. AT 2215 06-MAY-1998

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 Nov. 19, 1997 and Jun. 25, 1998 when the chart recorder was not working and the satellite system was missing data; and Nov. 25, 1997-Apr. 3, 1998 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-1997 TO 30-SEP-1998

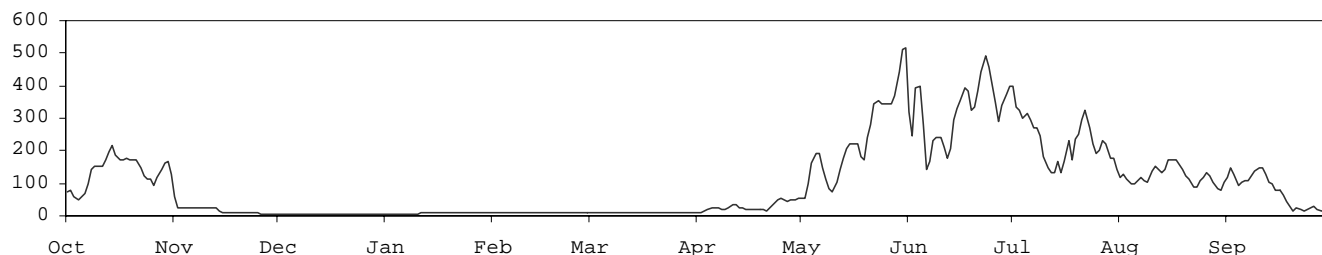
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	61	7.3	7.3	7.4	7.5	7.5	52	320	397	116	119
2	80	25	7.3	7.3	7.4	7.5	7.5	52	245	336	129	147
3	60	25	7.3	7.3	7.4	7.5	14	96	394	325	114	126
4	51	25	7.3	7.3	7.4	7.5	22	160	396	302	99	94
5	58	25	7.3	7.3	7.4	7.5	24	191	280	313	99	103
6	70	25	7.3	7.3	7.4	7.5	25	190	144	293	110	108
7	99	25	7.3	7.3	7.4	7.5	23	147	165	272	118	108
8	141	25	7.3	7.3	7.4	7.5	22	112	229	272	107	125
9	153	25	7.3	7.3	7.4	7.5	22	83	242	247	103	136
10	152	25	7.3	7.3	7.4	7.5	23	75	242	181	140	148
11	154	25	7.3	7.4	7.4	7.5	35	105	210	150	153	149
12	170	25	7.3	7.4	7.4	7.5	34	142	176	134	142	127
13	195	25	7.3	7.4	7.4	7.5	26	176	209	133	132	105
14	216	16	7.3	7.4	7.4	7.5	23	209	297	165	145	99
15	185	9.0	7.3	7.4	7.4	7.5	22	223	331	135	170	81
16	172	9.1	7.3	7.4	7.4	7.5	21	223	354	166	174	79
17	174	9.1	7.3	7.4	7.4	7.5	21	223	395	232	174	65
18	175	9.1	7.3	7.4	7.4	7.5	21	180	383	173	155	42
19	174	9.1	7.3	7.4	7.4	7.5	21	174	325	234	141	28
20	174	9.9	7.3	7.4	7.4	7.5	21	240	335	249	124	16
21	173	10	7.3	7.4	7.5	7.5	16	281	384	297	112	23
22	148	10	7.3	7.4	7.5	7.5	26	343	445	324	90	18
23	121	10	7.3	7.4	7.5	7.5	39	354	490	270	90	14
24	112	10	7.3	7.4	7.5	7.5	48	344	458	221	108	18
25	112	8.5	7.3	7.4	7.5	7.5	52	345	401	191	120	25
26	92	7.3	7.3	7.4	7.5	7.5	48	344	349	200	131	28
27	118	7.3	7.3	7.4	7.5	7.5	46	344	290	231	124	20
28	142	7.3	7.3	7.4	7.5	7.5	47	369	341	222	102	16
29	163	7.3	7.3	7.4	---	7.5	50	442	372	179	82	22
30	167	7.3	7.3	7.4	---	7.5	52	510	397	176	78	25
31	130	---	7.3	7.4	---	7.5	---	514	---	143	101	---
TOTAL	4204	517.3	226.3	228.4	208.0	232.5	859.0	7243	9599	7163	3783	2214
MEAN	136	17.2	7.30	7.37	7.43	7.50	28.6	234	320	231	122	73.8
AC-FT	8340	1030	449	453	413	461	1700	14370	19040	14210	7500	4390
MAX	216	61	7.3	7.4	7.5	7.5	52	514	490	397	174	149
MIN	51	7.3	7.3	7.3	7.4	7.5	7.5	52	144	133	78	14

CAL YR 1997 TOTAL 41345.2 MEAN 113 MAX 670 MIN 7.1 AC-FT 82010
WTR YR 1998 TOTAL 36477.5 MEAN 99.9 MAX 514 MIN 7.3 AC-FT 72350

MAX DISCH 550 CFS AT 0715 30-MAY-1998 GH 2.90 FT. SHIFT 0.04 FT. MAX GH 2.90 FT. AT 0715 30-MAY-1998

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 Dec. 16, 1997-Jan. 2, 1998 when the station was isolated due to the inlet pipes being plugged. Stage-discharge relation was affected by ice Dec. 4-15, 1997; Jan. 3-Mar. 5, 7-14, 20-23, 1998. 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.

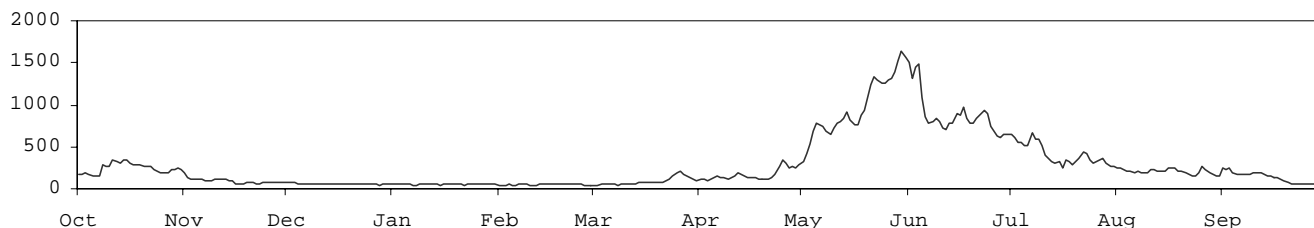
RATING TABLE.--CONMOGCO12 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	198	76	50	47	44	106	333	1500	643	246	244
2	178	140	75	54	46	47	112	410	1320	615	250	228
3	187	117	69	58	47	50	96	532	1450	545	229	249
4	164	114	50	54	49	56	116	686	1480	551	201	189
5	147	108	52	48	46	57	137	789	1080	510	213	163
6	149	106	54	48	47	57	151	768	855	513	197	168
7	161	104	66	46	50	49	138	747	778	674	203	165
8	277	101	66	46	49	46	128	681	796	595	198	162
9	264	104	60	48	48	48	123	652	843	594	187	179
10	271	105	64	50	47	50	127	724	797	514	181	181
11	335	105	62	50	46	54	147	772	733	398	235	198
12	319	105	48	52	47	58	183	801	700	360	229	187
13	309	110	58	50	48	62	164	835	782	319	214	168
14	350	102	60	48	52	70	155	918	784	310	201	146
15	349	89	62	46	50	75	137	817	890	316	219	146
16	299	56	60	50	49	76	129	756	869	257	246	126
17	294	60	62	52	49	76	127	763	965	337	244	131
18	289	62	62	52	50	76	116	880	839	333	240	114
19	280	72	62	52	50	69	110	926	790	283	205	90
20	272	84	62	50	50	72	120	1080	784	331	208	74
21	266	73	62	48	52	80	120	1240	845	360	188	64
22	262	64	58	46	52	94	131	1340	898	430	178	60
23	225	61	60	48	54	120	179	1290	932	418	155	62
24	211	67	50	49	52	155	261	1250	897	337	157	58
25	193	68	52	50	50	189	338	1250	750	310	197	56
26	198	80	48	50	47	212	312	1290	684	328	266	59
27	185	76	50	52	46	175	254	1320	636	346	220	60
28	225	70	46	54	45	157	260	1400	612	356	191	58
29	229	70	49	52	---	133	256	1530	650	299	168	58
30	253	68	52	52	---	105	277	1640	645	259	154	73
31	238	---	50	50	---	104	---	1570	---	261	159	---
TOTAL	7545	2739	1807	1555	1365	2716	5010	29990	26584	12702	6379	3916
MEAN	243	91.3	58.3	50.2	48.8	87.6	167	967	886	410	206	131
AC-FT	14970	5430	3580	3080	2710	5390	9940	59490	52730	25190	12650	7770
MAX	350	198	76	58	54	212	338	1640	1500	674	266	249
MIN	147	56	46	46	45	44	96	333	612	257	154	56
CAL YR 1997 TOTAL		141708	MEAN	388	MAX	2180	MIN	40	AC-FT	281100		
WTR YR 1998 TOTAL		102308	MEAN	280	MAX	1640	MIN	44	AC-FT	202900		

MAX DISCH 1748 CFS AT 0415 30-MAY-1998 GH 5.11 FT. SHIFT -0.19 FT. MAX GH 5.11 FT. AT 0415 30-MAY-1998

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. 5-15, 1997 when the well was frozen, and Dec. 16, 1997-mar. 24, 1998 when the station was closed for the winter. The stage-discharge relation was affected by ice Nov. 17-21; Dec. 1-4, 1997; Mar. 30-31, 1998. There was no flow Jun. 29-30; Jul. 1-7, 22-24; Aug. 11-12; Sep. 12-29, 1998. 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.

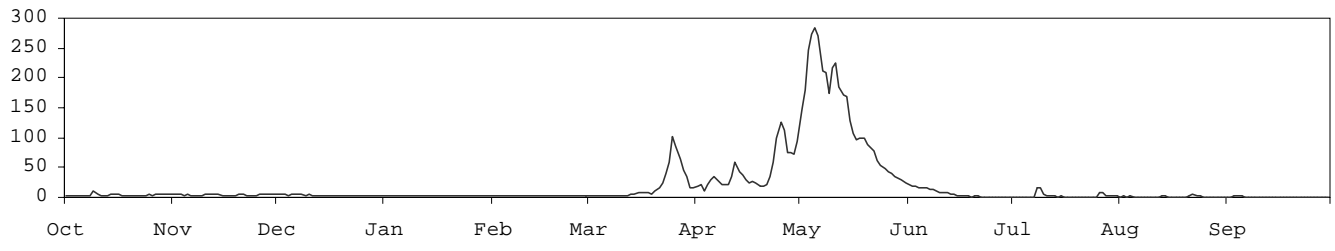
RATING TABLE.--SANORTCO13 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	5.2	4.9	3.5	2.5	1.9	18	146	22	0.0	1.2	0.22
2	1.7	5.2	4.9	3.6	2.5	2.1	22	180	19	0.0	1.4	0.32
3	1.8	5.2	5.0	3.8	2.7	2.4	12	246	18	0.0	1.0	2.6
4	1.7	3.8	4.0	3.6	2.9	3.2	22	274	16	0.0	1.4	2.4
5	2.0	4.2	4.1	3.4	2.7	3.0	29	285	16	0.0	0.76	1.6
6	2.0	3.9	4.2	3.4	2.8	2.9	36	270	15	0.0	0.51	0.98
7	1.9	3.6	4.6	3.1	3.0	2.8	28	211	13	0.0	0.17	0.61
8	2.2	3.7	4.6	3.1	2.8	2.2	21	209	13	16	0.07	0.47
9	9.9	3.8	4.0	3.1	2.7	2.4	21	175	11	16	0.17	0.27
10	4.4	4.5	4.2	3.3	2.7	2.4	22	216	9.0	6.2	0.09	0.20
11	3.4	4.9	3.8	3.3	2.5	2.9	34	225	8.4	2.7	0.0	0.11
12	3.1	5.6	3.4	3.5	2.6	3.7	59	186	7.5	2.0	0.0	0.0
13	3.4	5.5	3.6	3.3	2.7	4.6	43	171	5.9	1.5	3.6	0.0
14	4.1	6.1	3.8	3.2	3.1	5.6	38	169	4.4	1.1	1.9	0.0
15	5.2	3.3	3.9	3.1	3.0	7.0	30	129	3.3	2.4	1.1	0.0
16	4.4	2.9	3.7	3.3	2.8	8.0	25	106	3.3	1.3	0.69	0.0
17	4.0	3.5	3.9	3.3	2.6	7.8	26	97	2.9	0.85	0.40	0.0
18	3.6	3.7	4.0	3.2	2.7	7.0	24	100	1.9	0.57	0.31	0.0
19	3.5	3.9	3.9	3.1	2.7	6.0	18	98	1.3	0.32	0.59	0.0
20	3.3	4.5	4.0	2.8	2.6	11	20	89	1.7	0.16	0.95	0.0
21	3.8	4.3	3.8	2.6	2.8	16	21	84	1.5	0.06	2.6	0.0
22	3.0	3.8	3.7	2.4	2.8	25	34	78	1.2	0.0	6.0	0.0
23	3.0	3.7	3.8	2.5	3.1	39	59	62	1.0	0.0	2.3	0.0
24	3.4	3.7	3.3	2.5	3.1	60	98	54	0.81	0.0	1.4	0.0
25	4.8	4.0	3.4	2.6	2.7	102	125	48	0.66	1.0	1.0	0.0
26	4.0	5.6	3.3	2.6	2.4	86	113	44	0.46	8.1	1.0	0.0
27	4.6	5.9	3.4	2.6	2.2	63	75	40	0.34	6.8	0.92	0.0
28	6.3	4.7	3.2	2.8	2.1	45	74	36	0.10	3.5	0.89	0.0
29	6.1	5.9	3.4	2.8	---	34	71	32	0.0	1.8	0.74	0.0
30	5.3	4.6	3.6	2.8	---	15	93	29	0.0	2.4	0.50	1.2
31	4.9	---	3.5	2.7	---	16	---	25	---	1.7	0.26	---
TOTAL	116.6	133.2	120.9	94.9	75.8	589.9	1311	4114	198.67	76.47	33.90	10.98
MEAN	3.76	4.44	3.90	3.06	2.71	19.0	43.7	133	6.62	2.47	1.09	0.37
AC-FT	231	264	240	188	150	1170	2600	8160	394	152	67	22
MAX	9.9	6.1	5.0	3.8	3.1	102	125	285	22	16	6.0	2.6
MIN	1.7	2.9	3.2	2.4	2.1	1.9	12	25	0.0	0.0	0.0	0.0
CAL YR 1997 TOTAL	12136.20	MEAN	33.2	MAX	348	MIN	0.00	AC-FT	24070			
WTR YR 1998 TOTAL	6876.33	MEAN	18.8	MAX	285	MIN	0.00	AC-FT	13640			

MAX DISCH 357 CFS AT 0415 05-MAY-1998 GH 3.45 FT. SHIFT -0.04 FT. MAX GH 3.45 FT. AT 0415 05-MAY-1998

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 Nov. 16-17, 22-24, 29-30, 1997 when the floats were frozen; Dec. 1, 1997-Mar. 24, 1998 when the station was closed for the winter. Stage-discharge relation affected by ice Nov. 9-15, 18-21, 25-28, 1997; Mar. 31, 1998. 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.

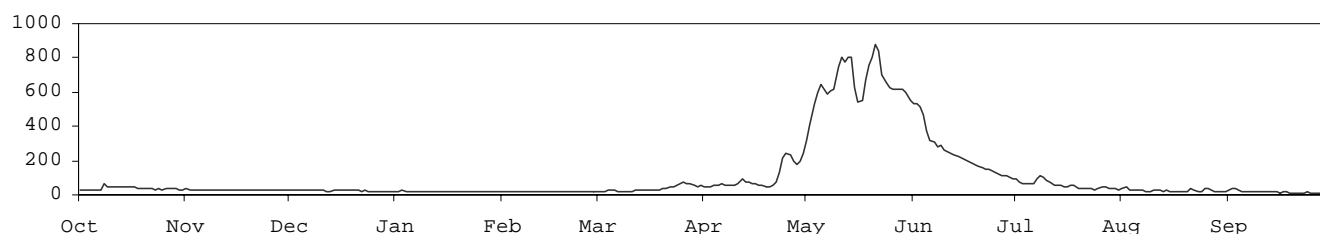
RATING TABLE.--LOSORTCO12 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	34	31	22	18	17	47	318	534	89	37	32
2	28	30	31	23	18	18	48	414	534	79	49	37
3	30	30	32	24	18	20	45	530	518	69	32	34
4	30	30	28	23	20	25	52	600	464	69	28	26
5	27	29	28	22	19	24	57	641	370	63	31	21
6	26	28	29	22	20	24	64	619	321	62	29	19
7	25	29	31	20	21	23	60	592	307	96	25	18
8	64	28	31	20	20	19	57	609	280	113	23	17
9	45	27	26	20	20	21	56	617	286	99	23	16
10	43	25	27	22	19	21	56	749	263	86	25	17
11	43	26	24	22	19	23	66	800	251	71	24	16
12	49	26	22	23	19	25	93	775	239	59	29	16
13	44	26	23	22	19	27	78	804	231	58	23	16
14	45	26	24	21	20	29	75	804	221	58	26	16
15	51	25	25	20	20	32	68	627	213	49	22	15
16	51	25	24	21	19	32	65	539	201	43	21	14
17	46	26	25	22	18	29	59	555	196	58	21	15
18	42	27	26	21	19	26	56	670	184	56	21	15
19	38	28	25	21	19	31	50	757	174	40	19	13
20	37	30	26	20	19	35	51	805	165	36	21	12
21	34	28	24	19	20	40	54	883	159	33	39	12
22	33	27	23	18	20	46	75	844	153	36	24	12
23	32	27	24	18	21	50	133	704	145	34	22	13
24	33	28	21	18	20	54	211	654	139	32	20	15
25	28	29	22	19	19	66	240	622	131	36	33	13
26	39	32	21	19	18	77	230	615	121	48	39	12
27	36	30	22	19	18	68	192	614	116	51	26	11
28	36	30	20	20	17	62	177	616	109	40	21	11
29	34	29	21	20	---	56	195	617	103	40	20	13
30	32	30	23	20	---	50	244	594	97	33	19	21
31	32	---	22	19	---	53	---	555	---	29	20	---
TOTAL	1161	845	781	640	537	1123	2954	20143	7225	1765	812	518
MEAN	37.5	28.2	25.2	20.6	19.2	36.2	98.5	650	241	56.9	26.2	17.3
AC-FT	2300	1680	1550	1270	1070	2230	5860	39950	14330	3500	1610	1030
MAX	64	34	32	24	21	77	244	883	534	113	49	37
MIN	25	25	20	18	17	17	45	318	97	29	19	11
CAL YR 1997 TOTAL		52580	MEAN	144	MAX	1130	MIN	14	AC-FT	104300		
WTR YR 1998 TOTAL		38504	MEAN	105	MAX	883	MIN	11	AC-FT	76370		

MAX DISCH 1096 CFS AT 2330 21-MAY-1998 GH 5.35 FT. SHIFT -0.39 FT. MAX GH 5.35 FT. AT 2330 21-MAY-1998

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 the periods Nov. 23, 30, Dec. 1-4, 1997 when the well was frozen, and Dec. 5, 1997 - Mar. 26, 1998 when the station was closed for the winter. The stage-discharge relation was affected by ice Nov. 14, 15, 29, 1997, and by backwater from beaver dams Oct. 1-17, 1997. There was no flow Aug. 13 - Sep. 30, 1998. Record is good except for periods of no gage-height and ice affected record, and backwater affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SANMANCO18 USED FROM 01-OCT-1997 TO 30-SEP-1998

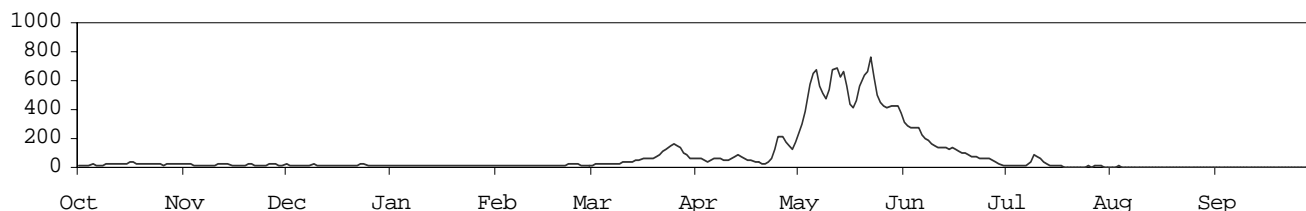
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	20	20	15	14	18	64	240	317	11	4.2	0.0
2	15	20	17	15	14	19	58	299	284	10	5.9	0.0
3	15	19	16	18	14	22	44	391	269	10	9.8	0.0
4	17	18	16	16	16	27	43	572	274	10	6.0	0.0
5	19	18	16	15	16	29	51	651	270	11	4.9	0.0
6	13	17	17	15	15	29	63	680	230	10	4.2	0.0
7	10	16	18	13	16	29	65	565	203	13	3.6	0.0
8	12	16	17	12	16	27	58	514	183	35	2.5	0.0
9	22	18	19	12	15	31	54	478	168	93	0.69	0.0
10	21	18	17	13	15	32	53	541	149	75	0.18	0.0
11	20	19	15	13	14	35	58	669	138	61	0.12	0.0
12	21	20	16	13	14	40	80	683	137	43	0.01	0.0
13	22	20	17	13	14	40	93	627	134	21	0.0	0.0
14	22	20	17	13	16	45	79	661	124	12	0.0	0.0
15	28	17	17	12	18	50	64	562	137	7.6	0.0	0.0
16	32	16	17	13	18	60	53	434	128	6.9	0.0	0.0
17	33	13	17	13	18	60	49	409	116	6.3	0.0	0.0
18	31	14	17	13	18	64	43	457	106	5.2	0.0	0.0
19	28	16	17	13	17	64	35	557	95	4.5	0.0	0.0
20	24	19	17	13	17	76	29	643	84	4.2	0.0	0.0
21	21	20	17	13	17	90	29	661	78	3.5	0.0	0.0
22	20	18	17	12	19	110	32	764	72	3.2	0.0	0.0
23	19	17	19	12	20	130	58	624	63	4.4	0.0	0.0
24	19	17	19	13	22	150	127	500	63	6.2	0.0	0.0
25	20	17	15	14	21	160	209	456	68	6.7	0.0	0.0
26	18	20	13	13	18	150	215	423	61	4.3	0.0	0.0
27	20	21	13	13	18	136	170	416	55	7.6	0.0	0.0
28	24	19	16	13	18	105	152	419	40	10	0.0	0.0
29	22	18	15	13	---	87	131	428	27	7.6	0.0	0.0
30	22	18	15	14	---	67	171	429	15	6.0	0.0	0.0
31	21	---	15	14	---	61	---	380	---	4.2	0.0	---
TOTAL	648	539	514	417	468	2043	2430	16133	4088	513.4	42.10	0.0
MEAN	20.9	18.0	16.6	13.5	16.7	65.9	81.0	520	136	16.6	1.36	0.0
AC-FT	1290	1070	1020	827	928	4050	4820	32000	8110	1020	84	0.0
MAX	33	21	20	18	22	160	215	764	317	93	9.8	0.0
MIN	10	13	13	12	14	18	29	240	15	3.2	0.0	0.0

CAL YR 1997 TOTAL 49337.21 MEAN 135 MAX 1160 MIN 0.00 AC-FT 97860
WTR YR 1998 TOTAL 27835.50 MEAN 76.3 MAX 764 MIN 0.00 AC-FT 55210

MAX DISCH 874 CFS AT 1415 22-MAY-1998 GH 5.78 FT. SHIFT -0.27 FT. MAX GH 5.78 FT. AT 1415 22-MAY-1998

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 Oct. 24, 1997 when an inlet pipe was being added to the station, and Dec. 26, 1997 when the chart recorder clock stopped and there was missing satellite data. Stage-discharge relation affected by ice Dec. 4-9, 12-22, 25, 27-31, 1997; Jan. 1-2, 5-12, 16, 22, 1998. There was no flow Sep. 20-28, 1998. 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.--NORLASC013 USED FROM 01-OCT-1997 TO 30-SEP-1998

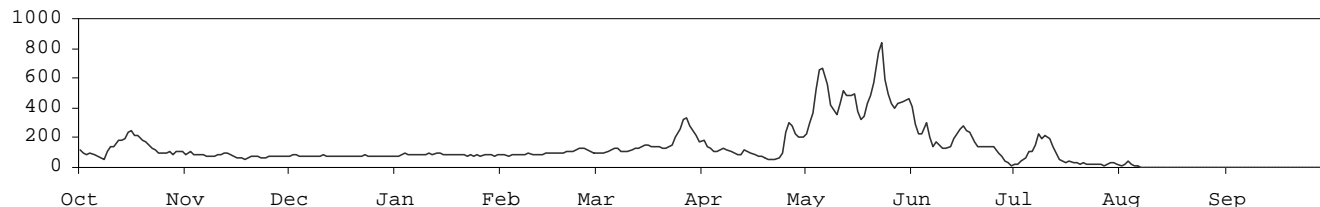
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	91	76	76	83	98	181	221	405	26	14	0.42
2	98	111	89	80	81	96	143	306	287	26	20	1.5
3	91	87	83	89	79	99	131	366	221	44	40	2.8
4	100	86	76	94	83	111	103	522	230	66	26	2.0
5	81	91	76	90	89	122	103	652	296	110	15	2.0
6	72	81	76	86	87	130	117	670	207	110	15	1.0
7	61	73	78	84	91	129	132	555	143	151	4.9	0.50
8	50	71	80	86	89	110	118	420	173	226	2.8	0.40
9	112	80	78	90	93	107	106	392	153	189	1.2	0.25
10	144	85	80	88	90	112	101	356	127	220	0.54	0.10
11	141	89	83	92	90	116	83	432	134	192	0.56	0.10
12	179	96	74	90	90	124	90	515	136	144	0.71	0.05
13	183	97	76	93	88	128	123	482	197	99	1.7	0.10
14	198	82	78	94	96	136	111	485	226	51	1.6	0.06
15	237	71	78	90	98	147	102	494	257	39	1.4	0.09
16	242	64	78	86	101	147	83	374	283	36	1.0	0.12
17	219	61	78	88	101	137	75	319	251	38	0.68	0.08
18	210	55	78	87	102	137	76	340	232	29	1.0	0.10
19	185	64	78	88	101	140	66	429	171	28	1.2	0.03
20	172	73	78	88	103	133	59	484	142	20	1.0	0.0
21	150	77	78	86	106	130	59	574	143	32	0.50	0.0
22	130	73	78	80	110	139	57	769	140	26	0.30	0.0
23	121	68	83	81	116	155	62	839	143	23	0.30	0.0
24	99	67	80	79	124	208	97	590	136	24	0.30	0.0
25	92	71	76	82	126	261	235	492	143	19	0.40	0.0
26	96	76	72	80	114	327	298	429	95	18	0.50	0.0
27	106	80	72	81	106	332	283	403	71	16	1.0	0.0
28	91	80	74	81	98	278	228	429	46	22	2.0	0.0
29	108	72	74	81	---	250	207	446	35	32	1.0	0.01
30	110	73	74	80	---	212	207	448	11	27	0.40	0.40
31	103	---	74	83	---	173	---	463	---	17	0.20	---
TOTAL	4096	2345	2406	2653	2735	4924	3836	14696	5234	2100	157.18	12.11
MEAN	132	78.2	77.6	85.6	97.7	159	128	474	174	67.7	5.07	0.40
AC-FT	8120	4650	4770	5260	5420	9770	7610	29150	10380	4170	312	24
MAX	242	111	89	94	126	332	298	839	405	226	40	2.8
MIN	50	55	72	76	79	96	57	221	11	16	0.20	0.0

CAL YR 1997 TOTAL 89278 MEAN 245 MAX 1480 MIN 16 AC-FT 177100
WTR YR 1998 TOTAL 45194.29 MEAN 124 MAX 839 MIN 0.00 AC-FT 89640

MAX DISCH 974 CFS AT 2145 22-MAY-1998 GH 5.17 FT. SHIFT -0.05 FT. MAX GH 5.17 FT. AT 2145 22-MAY-1998

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 Nov. 29-30, 1997 and Mar. 17-20, 22, 24, 30, 1998 when the well was frozen; and Dec. 1, 1997-Mar. 16, 1998 when the station was closed for the winter. Stage-discharge relation affected by backwater effect from beaver dams Oct. 10-20, 29-31; Nov. 1-15, 1997; Jun. 14-Jul. 14, July 28-Aug. 4, 1998. There was no flow Aug. 13-Sep. 30, 1998. Record is good except for periods of no gage height and submergence which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SOULASCO06 USED FROM 01-OCT-1997 TO 30-SEP-1998

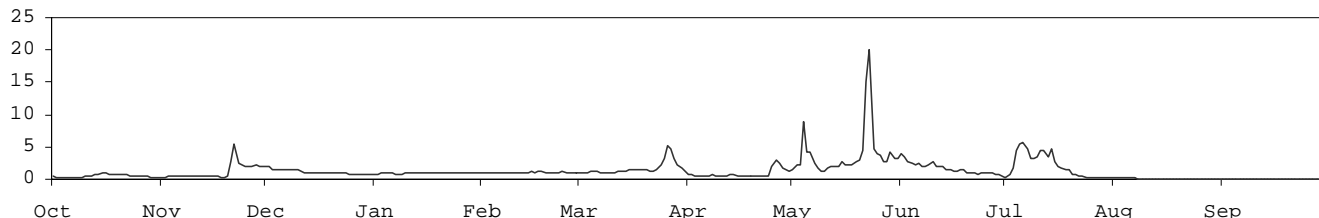
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.52	0.35	2.0	0.84	0.98	0.92	0.77	1.5	4.0	0.36	0.26	0.0
2	0.37	0.30	2.1	0.84	0.98	0.94	0.82	2.3	3.5	0.77	0.28	0.0
3	0.27	0.40	1.6	0.98	0.98	1.0	0.57	2.2	2.6	1.8	0.30	0.0
4	0.24	0.40	1.4	0.94	1.1	1.2	0.50	8.8	2.4	4.5	0.31	0.0
5	0.32	0.40	1.4	0.88	1.1	1.2	0.49	4.3	2.3	5.5	0.22	0.0
6	0.30	0.42	1.4	0.88	1.0	1.2	0.53	4.1	2.4	5.7	0.15	0.0
7	0.19	0.42	1.5	0.84	1.1	1.1	0.61	2.5	2.1	4.8	0.13	0.0
8	0.22	0.42	1.6	0.84	1.1	0.96	0.65	1.7	2.0	3.3	0.09	0.0
9	0.17	0.42	1.4	0.84	1.0	1.0	0.51	1.3	2.3	3.3	0.06	0.0
10	0.40	0.44	1.6	0.90	1.0	1.0	0.50	1.2	2.8	3.5	0.04	0.0
11	0.45	0.44	1.3	0.90	0.96	1.1	0.50	1.7	2.1	4.4	0.03	0.0
12	0.60	0.46	1.0	0.90	0.96	1.2	0.50	2.1	2.0	4.4	0.01	0.0
13	0.65	0.50	1.0	0.90	0.96	1.2	0.63	2.0	2.0	3.5	0.0	0.0
14	0.80	0.50	1.1	0.92	1.1	1.3	0.70	2.1	1.6	4.6	0.0	0.0
15	0.90	0.60	1.1	0.88	1.2	1.4	0.55	2.6	1.4	2.7	0.0	0.0
16	0.90	0.55	1.0	0.90	1.1	1.6	0.50	2.2	1.3	1.9	0.0	0.0
17	0.85	0.47	1.0	0.92	1.2	1.4	0.50	2.2	1.3	1.7	0.0	0.0
18	0.80	0.22	1.0	0.92	1.2	1.4	0.51	2.3	1.4	1.6	0.0	0.0
19	0.75	0.33	1.0	0.92	1.0	1.4	0.50	2.6	1.4	1.4	0.0	0.0
20	0.73	0.56	1.0	0.92	1.0	1.4	0.49	3.0	0.98	0.84	0.0	0.0
21	0.67	2.7	1.0	0.90	1.0	1.3	0.42	4.5	1.0	0.70	0.0	0.0
22	0.70	5.5	1.0	0.88	1.1	1.3	0.41	15	0.88	0.60	0.0	0.0
23	0.61	2.5	1.1	0.90	1.1	1.5	0.47	20	0.86	0.49	0.0	0.0
24	0.57	2.2	1.1	0.92	1.2	2.3	0.50	4.6	0.89	0.35	0.0	0.0
25	0.50	2.1	0.86	0.98	1.1	3.3	2.0	4.0	0.97	0.22	0.0	0.0
26	0.41	2.0	0.76	0.96	0.90	5.2	2.9	3.8	0.96	0.20	0.0	0.0
27	0.45	2.0	0.72	0.96	0.90	4.7	2.4	2.7	0.87	0.17	0.0	0.0
28	0.42	2.3	0.84	0.94	0.90	3.1	1.8	2.7	0.78	0.15	0.0	0.0
29	0.30	2.0	0.78	0.94	---	2.2	1.6	4.1	0.65	0.18	0.0	0.0
30	0.35	2.0	0.78	1.0	---	1.8	1.3	3.2	0.40	0.20	0.0	0.0
31	0.35	---	0.80	1.0	---	1.2	---	3.3	---	0.23	0.0	---
TOTAL	15.77	33.90	36.24	28.24	29.22	51.82	25.13	120.6	50.14	64.07	1.89	0.0
MEAN	0.51	1.13	1.17	0.91	1.04	1.67	0.84	3.89	1.67	2.07	0.06	0.0
AC-FT	31	67	72	56	58	103	50	239	99	127	3.7	0.0
MAX	0.90	5.5	2.1	1.0	1.2	5.2	2.9	20	4.0	5.7	0.31	0.0
MIN	0.17	0.22	0.72	0.84	0.90	0.92	0.41	1.2	0.40	0.15	0.0	0.0

CAL YR 1997 TOTAL 1140.36 MEAN 3.12 MAX 100 MIN 0.00 AC-FT 2260
WTR YR 1998 TOTAL 457.02 MEAN 1.25 MAX 20 MIN 0.00 AC-FT 906

MAX DISCH 40 CFS AT 0215 23-MAY-1998 GH 2.28 FT. SHIFT -0.56 FT. MAX GH 2.28 FT. AT 0215 23-MAY-1998

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).

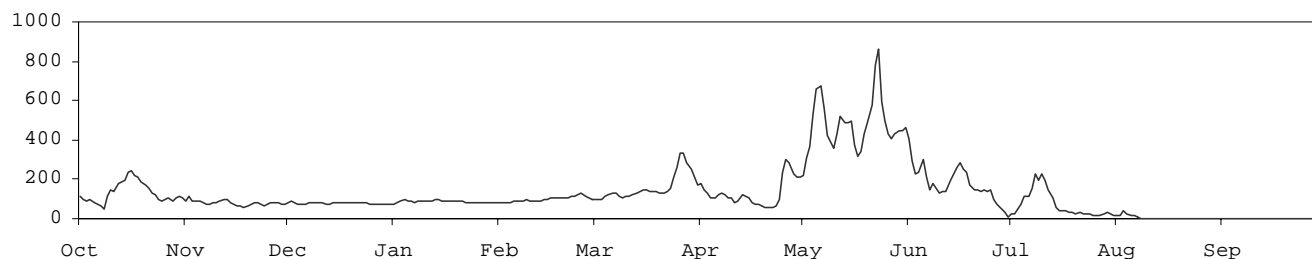
REMARKS.--Records should be good except for periods of no record, ice affected and backwater affected record, which should be fair to poor. Diversions above station for irrigation of about 75,000 acres. Practically entire flow is diverted and records represent mainly return flow. Record developed by Div. III Hydrographic Staff.

COMBINED CONEJOS RIVER (NORLASCO,SOULASCO)

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	91	78	77	84	99	182	222	409	26	14	0.42
2	98	111	91	81	82	97	144	308	290	27	20	1.5
3	91	87	85	90	80	100	132	368	224	46	40	2.8
4	100	86	77	95	84	112	104	531	232	70	26	2.0
5	81	91	77	91	90	123	103	656	298	116	15	2.0
6	72	81	77	87	88	131	118	674	209	116	15	1.0
7	61	73	80	85	92	130	133	558	145	156	5.0	0.50
8	50	71	82	87	90	111	119	422	175	229	2.9	0.40
9	112	80	79	91	94	108	107	393	155	192	1.3	0.25
10	144	85	82	89	91	113	102	357	130	224	0.58	0.10
11	141	89	84	93	91	117	84	434	136	196	0.59	0.10
12	180	96	75	91	91	125	90	517	138	148	0.72	0.05
13	184	98	77	94	89	129	124	484	199	102	1.7	0.10
14	199	82	79	95	97	137	112	487	228	56	1.6	0.06
15	238	72	79	91	99	148	103	497	258	42	1.4	0.09
16	243	65	79	87	102	149	84	376	284	38	1.0	0.12
17	220	61	79	89	102	138	76	321	252	40	0.68	0.08
18	211	55	79	88	103	138	77	342	233	31	1.0	0.10
19	186	64	79	89	102	141	66	432	172	29	1.2	0.03
20	173	74	79	89	104	134	59	487	143	21	1.0	0.0
21	151	80	79	87	107	131	59	578	144	33	0.50	0.0
22	131	78	79	81	111	140	57	784	141	27	0.30	0.0
23	122	70	84	82	117	156	62	859	144	23	0.30	0.0
24	100	69	81	80	125	210	98	595	137	24	0.30	0.0
25	92	73	77	83	127	264	237	496	144	19	0.40	0.0
26	96	78	73	81	115	332	301	433	96	18	0.50	0.0
27	106	82	73	82	107	337	285	406	72	16	1.0	0.0
28	91	82	75	82	99	281	230	432	47	22	2.0	0.0
29	108	74	75	82	---	252	209	450	36	32	1.0	0.01
30	110	75	75	81	---	214	208	451	11	27	0.40	0.40
31	103	---	75	84	---	174	---	466	---	17	0.20	---
TOTAL	4110	2373	2443	2684	2763	4971	3865	14816	5282	2163	157.57	12.11
MEAN	133	79.1	78.8	86.6	98.7	160	129	478	176	69.8	5.08	0.40
AC-FT	8150	4710	4850	5320	5480	9860	7670	29390	10480	4290	313	24
MAX	243	111	91	95	127	337	301	859	409	229	40	2.8
MIN	50	55	73	77	80	97	57	222	11	16	0.20	0.0
CAL YR 1997 TOTAL	90394		MEAN	248	MAX	1580	MIN	16	AC-FT	179300		
WTR YR 1998 TOTAL	45639.68		MEAN	125	MAX	859	MIN	0.00	AC-FT	90530		

FOR 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. Record is good. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--CULSANCO05 USED FROM 01-OCT-1997 TO 30-SEP-1998

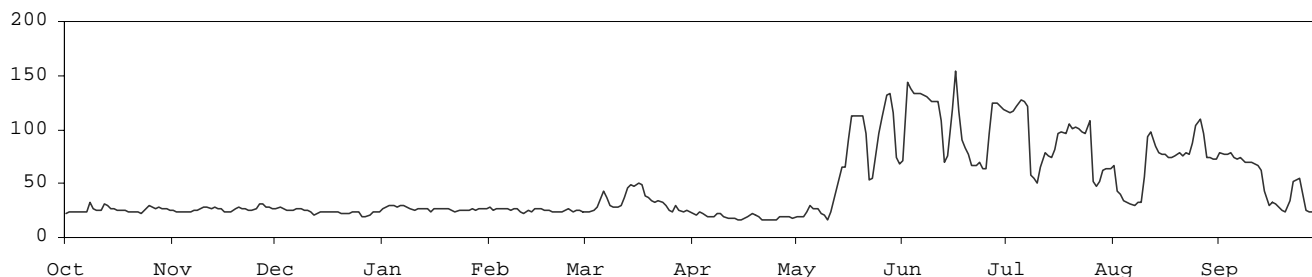
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	25	27	26	28	23	22	19	71	117	66	78
2	24	23	28	28	25	23	21	20	144	116	43	77
3	24	23	26	29	26	25	23	20	138	117	40	77
4	23	24	25	29	26	28	22	24	134	121	34	78
5	23	24	25	28	27	35	19	30	134	128	32	74
6	23	24	25	29	26	43	19	27	133	126	31	73
7	24	25	26	29	25	37	19	26	132	121	29	74
8	32	25	26	28	26	30	22	22	130	58	32	70
9	26	26	25	27	26	28	22	21	126	55	32	69
10	25	28	25	25	23	28	19	17	126	50	57	69
11	25	28	23	26	22	30	18	23	126	65	94	68
12	31	26	21	26	25	37	18	35	108	79	98	66
13	30	28	22	26	24	46	18	48	70	75	84	62
14	26	26	23	26	26	49	17	65	76	74	78	43
15	26	26	23	24	26	47	17	65	118	82	77	29
16	25	24	23	26	26	50	18	90	154	96	77	32
17	25	24	23	26	25	49	19	112	117	98	74	31
18	25	23	23	27	25	38	22	112	91	97	74	28
19	24	26	23	26	23	37	21	112	83	105	75	25
20	23	28	22	27	23	34	19	113	77	101	78	23
21	23	27	22	25	23	33	17	97	67	102	76	34
22	23	26	22	24	23	34	17	54	67	101	78	52
23	22	25	23	25	25	32	16	55	69	98	77	54
24	26	25	23	25	27	29	16	76	64	97	87	55
25	29	26	23	25	23	25	17	97	64	108	104	40
26	28	31	20	25	25	24	19	111	97	52	110	25
27	27	31	20	26	25	29	19	132	124	48	96	23
28	28	28	21	25	24	25	19	133	125	52	74	23
29	26	28	23	26	---	24	19	116	122	62	74	26
30	26	26	23	27	---	25	18	74	118	63	73	34
31	25	---	23	26	---	23	---	68	---	64	73	---
TOTAL	789	779	727	817	698	1020	572	2014	3205	2728	2127	1512
MEAN	25.5	26.0	23.5	26.4	24.9	32.9	19.1	65.0	107	88.0	68.6	50.4
AC-FT	1560	1550	1440	1620	1380	2020	1130	3990	6360	5410	4220	3000
MAX	32	31	28	29	28	50	23	133	154	128	110	78
MIN	22	23	20	24	22	23	16	17	64	48	29	23

CAL YR 1997 TOTAL 15522 MEAN 42.5 MAX 150 MIN 13 AC-FT 30790
WTR YR 1998 TOTAL 16988 MEAN 46.5 MAX 154 MIN 16 AC-FT 33700

MAX DISCH 168 CFS AT 1600 07-JUL-1998 GH 1.98 FT. SHIFT 0.05 FT. MAX GH 1.98 FT. AT 1600 07-JUL-1998

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 Dec. 14-19, 1997 when well was frozen; Jan. 24, 1998 when there was missing satellite data. Stage-discharge relation affected by ice Dec. 5-13, 20-31, 1997; Jan. 1-23, 25-31; Feb. 1-28; Mar. 1-6, 1998. 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.

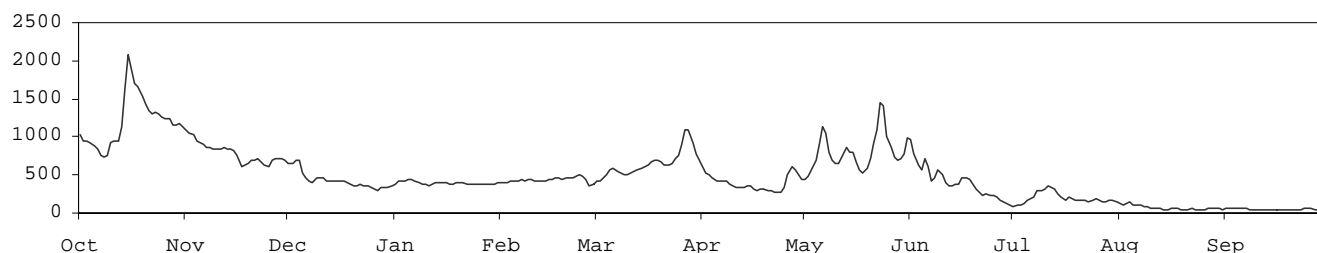
RATING TABLE.--RIOLOBCO03 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1030	1100	648	380	400	420	600	451	960	92	118	58
2	944	1060	660	425	395	430	534	478	781	102	114	56
3	938	1020	698	420	405	455	505	571	620	102	124	58
4	919	953	700	430	410	505	456	703	557	135	143	58
5	889	918	520	445	420	560	428	898	723	160	112	68
6	837	901	460	445	425	580	416	1140	609	185	109	65
7	763	871	430	430	435	555	418	1050	429	206	103	55
8	729	851	395	395	430	532	411	793	453	286	84	51
9	748	846	465	385	440	508	388	703	557	304	83	52
10	919	845	470	370	435	506	367	642	501	325	72	52
11	937	849	465	350	430	518	344	642	396	352	65	50
12	946	851	410	375	425	539	330	778	367	327	61	48
13	1130	849	420	400	415	566	334	851	356	319	56	49
14	1640	844	430	395	430	592	355	797	375	254	50	48
15	2070	813	430	405	435	605	347	803	388	204	49	47
16	1900	752	420	395	445	639	319	677	465	178	54	46
17	1710	612	410	380	455	662	299	566	455	206	55	40
18	1650	625	400	375	460	695	319	535	431	199	53	37
19	1540	643	380	390	450	692	308	587	368	176	49	32
20	1420	689	360	395	455	665	296	704	317	166	45	43
21	1350	697	360	390	455	632	287	931	268	168	46	45
22	1310	707	375	385	455	636	282	1090	238	158	54	38
23	1320	673	365	370	475	657	270	1450	244	153	46	48
24	1300	631	360	370	495	718	277	1400	227	166	47	57
25	1260	599	330	370	475	757	326	1010	226	192	48	55
26	1240	685	310	375	435	913	507	860	209	177	45	53
27	1240	707	300	385	355	1090	619	730	174	154	56	40
28	1160	721	330	385	380	1100	562	703	152	153	54	42
29	1150	713	335	385	---	918	502	705	124	166	57	46
30	1170	701	345	385	---	784	450	774	108	165	53	54
31	1140	---	355	395	---	689	---	984	---	149	50	---
TOTAL	37299	23726	13336	12180	12120	20118	11856	25006	12078	6079	2155	1491
MEAN	1203	791	430	393	433	649	395	807	403	196	69.5	49.7
AC-FT	73980	47060	26450	24160	24040	39900	23520	49600	23960	12060	4270	2960
MAX	2070	1100	700	445	495	1100	619	1450	960	352	143	68
MIN	729	599	300	350	355	420	270	451	108	92	45	32
CAL YR 1997 TOTAL		280803	MEAN	769	MAX	3470	MIN	218	AC-FT	557000		
WTR YR 1998 TOTAL		177444	MEAN	486	MAX	2070	MIN	32	AC-FT	352000		

MAX DISCH 2102 CFS AT 1015 15-OCT-1997 GH 3.75 FT. SHIFT -0.11 FT. MAX GH 3.75 FT. AT 1015 15-OCT-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 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 with satellite monitoring system at a 2.5' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TARBELCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

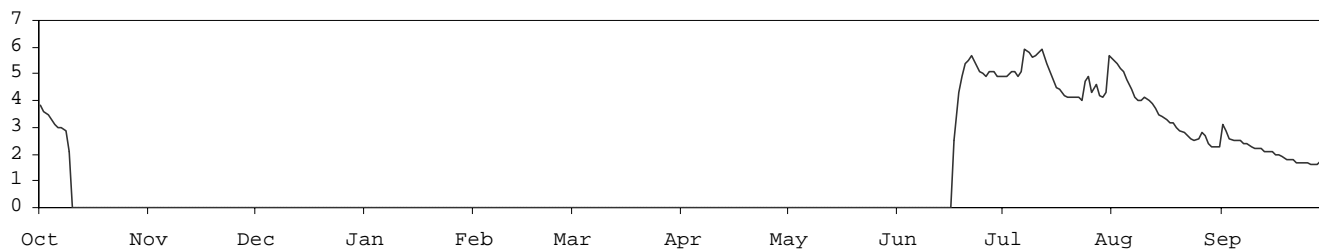
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	5.5	3.1
2	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	5.4	2.9
3	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.2	2.6
4	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.1	2.5
5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.8	2.5
6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	4.4	2.5
7	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	4.1	2.4
8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	4.0	2.4
9	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	4.0	2.3
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	4.1	2.2
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	4.0	2.2
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	3.9	2.2
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	3.7	2.1
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	3.5	2.1
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	3.4	2.1
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.3	2.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.4	3.2	2.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.2	3.2	1.9
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.1	3.0	1.8
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	4.1	2.9	1.8
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	4.1	2.8	1.8
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	4.1	2.7	1.7
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	4.0	2.6	1.7
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	4.7	2.5	1.7
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.9	2.6	1.7
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.3	2.8	1.6
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	4.6	2.7	1.6
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	4.2	2.4	1.6
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	4.9	4.1	2.3	1.8
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	4.9	4.3	2.3	1.8
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	5.7	2.3	---
TOTAL	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.6	150.3	108.7	62.6
MEAN	0.91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.29	4.85	3.51	2.09
AC-FT	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136	298	216	124
MAX	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	5.9	5.5	3.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.3	1.6

CAL YR 1997 TOTAL 408.0 MEAN 1.12 MAX 7.3 MIN 0.00 AC-FT 809
WTR YR 1998 TOTAL 418.5 MEAN 1.15 MAX 5.9 MIN 0.00 AC-FT 830

MAX DISCH 8.2 CFS AT 2330 30-JUL-1998 GH 0.83 FT. SHIFT 0.05 FT. MAX GH 0.83 FT. AT 2330 30-JUL-1998

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. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

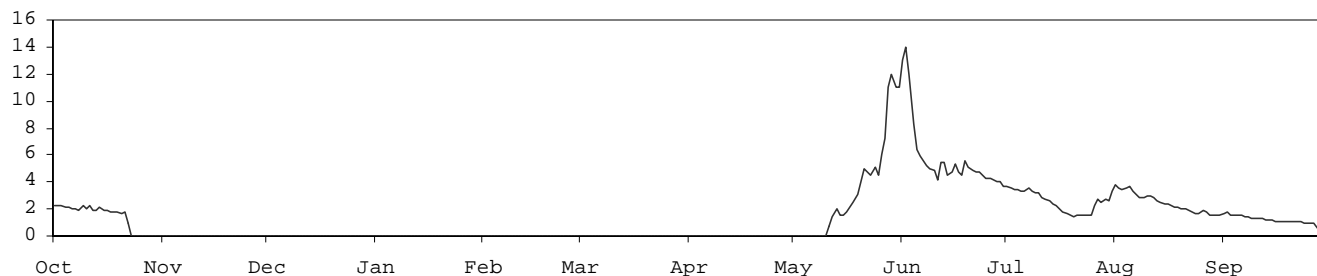
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	3.7	3.8	1.7
2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.5	3.5	1.8
3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.4	3.4	1.6
4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	3.4	3.5	1.6
5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	3.3	3.7	1.5
6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	3.3	3.3	1.5
7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	3.6	3.1	1.4
8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	3.3	2.9	1.4
9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.2	2.8	1.3
10	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	3.2	3.0	1.3
11	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.69	4.2	2.9	3.0	1.3
12	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.4	5.4	2.7	2.8	1.3
13	1.9	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.4	2.6	2.6	1.2
14	2.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.5	2.4	2.5	1.2
15	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.7	2.2	2.4	1.2
16	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.8	5.3	2.0	2.4	1.1
17	1.8	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.7	1.8	2.3	1.1
18	1.8	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.5	1.7	2.1	1.1
19	1.8	0.0	0.0	0.0	0.0	0.0	0.0	3.1	5.6	1.6	2.1	1.1
20	1.7	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.1	1.4	2.0	1.1
21	1.8	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.9	1.5	2.0	1.1
22	0.95	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.8	1.6	1.9	1.1
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.7	1.5	1.8	1.1
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	4.5	1.5	1.7	1.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.3	1.5	1.7	0.97
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	4.3	2.3	1.9	0.96
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	4.2	2.7	1.8	0.95
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	4.0	2.5	1.6	0.53
29	0.0	0.0	0.0	0.0	---	0.0	0.0	12	4.0	2.7	1.6	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	11	3.7	2.6	1.5	0.0
31	0.0	---	0.0	0.0	---	0.0	---	11	---	3.3	1.6	---
TOTAL	42.85	0.0	0.0	0.0	0.0	0.0	0.0	102.89	173.1	78.9	76.3	34.52
MEAN	1.38	0.0	0.0	0.0	0.0	0.0	0.0	3.32	5.77	2.55	2.46	1.15
AC-FT	85	0.0	0.0	0.0	0.0	0.0	0.0	204	343	156	151	68
MAX	2.3	0.0	0.0	0.0	0.0	0.0	0.0	12	14	3.7	3.8	1.8
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	1.4	1.5	0.0

CAL YR 1997 TOTAL 711.65 MEAN 1.95 MAX 18 MIN 0.00 AC-FT 1410
WTR YR 1998 TOTAL 508.56 MEAN 1.39 MAX 14 MIN 0.00 AC-FT 1010

MAX DISCH 19 CFS AT 1900 01-JUN-1998 GH 1.31 FT. SHIFT 0.05 FT. MAX GH 1.31 FT. AT 1900 01-JUN-1998

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. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

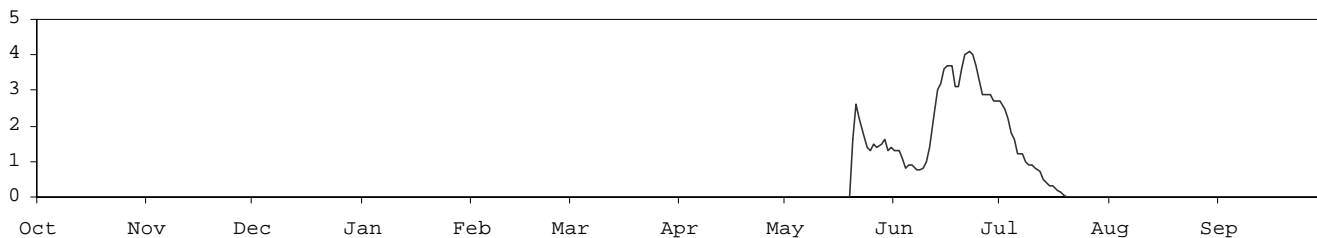
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	1.3	2.7	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.5	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	1.8	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	1.6	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	1.2	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	1.2	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	1.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.88	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.97	0.88	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.82	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.71	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.51	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.42	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.30	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.30	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.19	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.13	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.06	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.6	0.02	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	4.0	0.01	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.1	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	4.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.7	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.3	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.9	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.9	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	1.6	2.7	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	1.3	2.7	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	1.4	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.5	73.61	19.43	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63	2.45	0.63	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	146	39	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	4.1	2.7	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.0	0.0	0.0

CAL YR 1997 TOTAL 123.32 MEAN 0.34 MAX 6.4 MIN 0.00 AC-FT 245
WTR YR 1998 TOTAL 112.54 MEAN 0.31 MAX 4.1 MIN 0.00 AC-FT 223

MAX DISCH 4.6 CFS AT 1000 17-JUN-1998 GH 0.71 FT. SHIFT -0.01 FT. MAX GH 0.71 FT. AT 1000 17-JUN-1998

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.--SW $\frac{1}{4}$ 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.

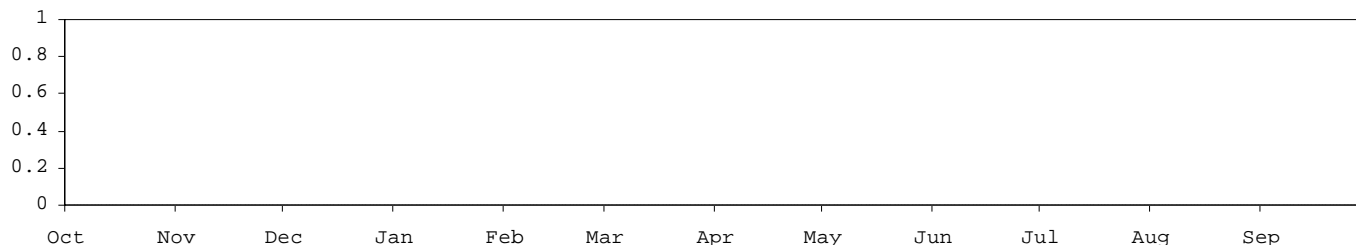
REMARKS.--No water flowed by station during water year. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--DLFDT1C002 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
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 1997 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		
WTR YR 1998 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.



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 and satellite monitoring system at 1.5 ft Parshall flume.

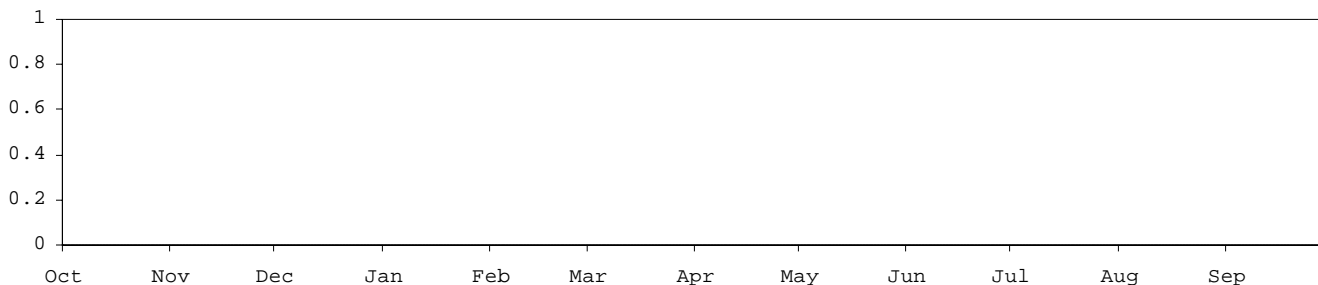
REMARKS.--Record is complete and reliable. No water run in WY 1998. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--DLFDT2COO2 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
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 1997 TOTAL		32.22	MEAN	0.09	MAX	2.2	MIN	0.00	AC-FT	64		
WTR YR 1998 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.



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

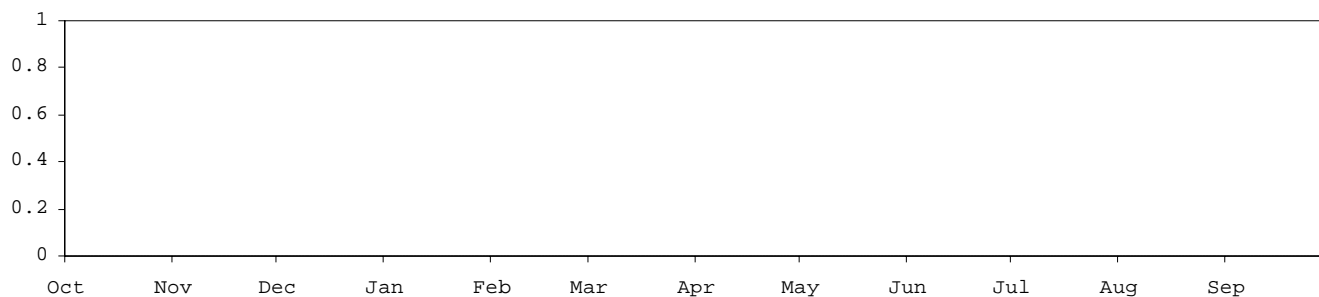
GAGE.--Graphic water-stage recorders.

REMARKS.--Records combined to obtain this record.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
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 1997 TOTAL		32.22	MEAN	0.09	MAX	2.2	MIN	0.00	AC-FT	64		
WTR YR 1998 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.



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.--WCSBITCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

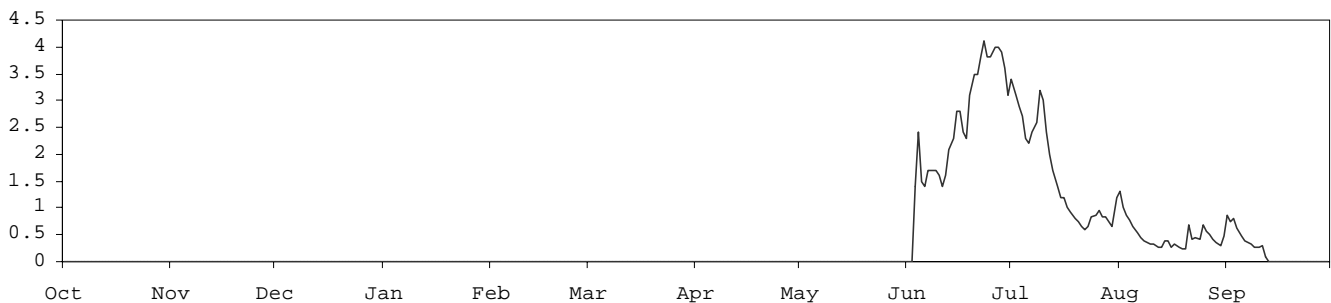
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	3.4	1.3	0.86
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	1.0	0.75
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	0.87	0.79
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.7	0.78	0.62
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.3	0.66	0.47
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.2	0.53	0.40
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.4	0.45	0.35
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.6	0.40	0.32
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.2	0.35	0.28
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.0	0.34	0.28
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.4	0.32	0.30
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.0	0.28	0.09
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.7	0.26	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.4	0.40	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.2	0.38	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.2	0.28	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.0	0.32	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.92	0.28	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.81	0.24	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.74	0.23	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.67	0.68	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.61	0.41	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.67	0.44	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.83	0.43	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.86	0.68	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.94	0.58	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.83	0.51	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.82	0.43	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.6	0.74	0.37	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.1	0.67	0.31	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	1.2	0.47	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.3	50.02	14.98	5.51
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.51	1.61	0.48	0.18
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	149	99	30	11
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.4	1.3	0.86
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.23	0.0

CAL YR 1997 TOTAL 212.24 MEAN 0.58 MAX 4.9 MIN 0.00 AC-FT 421
WTR YR 1998 TOTAL 145.82 MEAN 0.40 MAX 4.1 MIN 0.00 AC-FT 289

MAX DISCH 8.8 CFS AT 1945 08-JUL-1998 GH 1.01 FT. SHIFT 0.05 FT. MAX GH 1.01 FT. AT 1945 08-JUL-1998

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. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--PRWDITCO04 USED FROM 01-OCT-1997 TO 30-SEP-1998

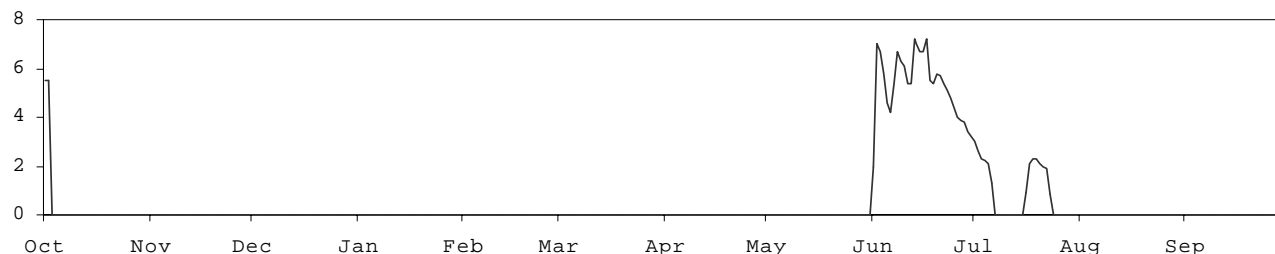
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0
2	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	2.6	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	2.3	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	2.2	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	2.1	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.3	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.95	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	2.1	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	2.3	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	2.3	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	2.1	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	2.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	1.9	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.87	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.4	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.2	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	160.8	28.02	0.0	0.0
MEAN	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.36	0.90	0.0	0.0
AC-FT	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	319	56	0.0	0.0
MAX	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	3.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0

CAL YR 1997 TOTAL 538.72 MEAN 1.48 MAX 10 MIN 0.00 AC-FT 1070
WTR YR 1998 TOTAL 199.82 MEAN 0.55 MAX 7.2 MIN 0.00 AC-FT 396

MAX DISCH 8.0 CFS AT 1500 17-JUN-1998 GH 0.80 FT. SHIFT -0.03 FT. MAX GH 0.80 FT. AT 1500 17-JUN-1998

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-1997 TO 30-SEP-1998

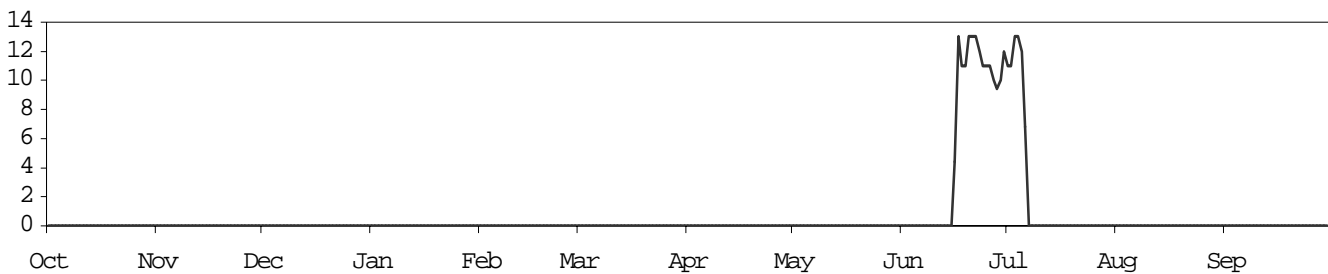
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	11	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	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	4.4	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	10	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	12	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	164.8	66.8	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.49	2.15	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	327	132	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	13	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 1997 TOTAL 551.7 MEAN 1.51 MAX 26 MIN 0.00 AC-FT 1090
WTR YR 1998 TOTAL 231.6 MEAN 0.63 MAX 13 MIN 0.00 AC-FT 459

MAX DISCH 19 CFS AT 2330 03-JUL-1998 GH 1.00 FT. SHIFT -0.03 FT. MAX GH 1.00 FT. AT 2330 03-JUL-1998

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 except for the period from May 23-27; June 1-8, 1998, when an event deposited a large boulder and debris in the main channel, causing backwater readings. Record developed and station maintained by Steve W. Tuck and Gerald M. Thrush.

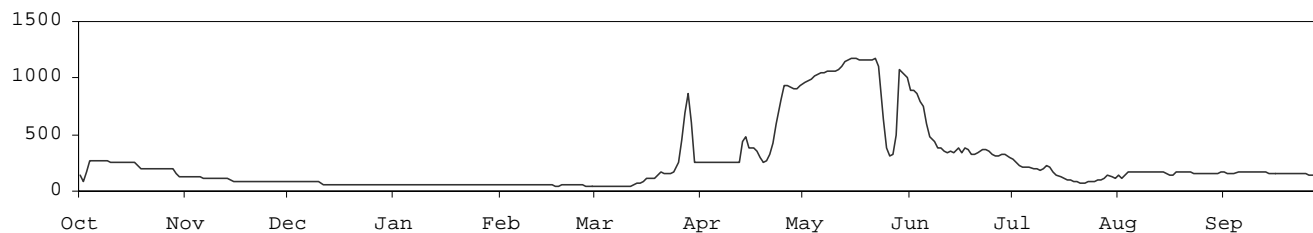
RATING TABLE.--MUDBPRC006 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	127	79	52	50	48	250	957	886	287	139	175
2	84	127	79	51	50	48	251	975	891	250	120	160
3	169	127	79	50	50	48	250	994	859	223	141	150
4	267	127	79	50	50	48	250	1020	795	213	168	162
5	266	126	79	50	50	48	250	1030	746	213	168	168
6	264	119	78	50	50	48	252	1050	590	211	168	168
7	264	110	78	50	50	48	252	1050	483	203	168	167
8	264	110	78	50	50	48	252	1060	442	197	168	169
9	263	109	78	50	50	48	251	1060	381	177	168	169
10	261	108	78	50	50	48	250	1060	381	203	167	165
11	261	108	63	50	50	48	252	1070	360	222	167	165
12	260	108	52	50	50	63	257	1100	336	214	167	163
13	259	108	52	50	50	72	438	1150	350	172	166	163
14	257	97	52	50	50	72	480	1160	346	145	165	162
15	256	79	52	50	50	87	386	1170	385	125	149	162
16	255	79	52	50	50	116	382	1170	339	112	140	162
17	253	79	52	50	48	116	353	1160	385	101	148	162
18	222	79	52	50	49	116	304	1160	364	92	165	152
19	199	79	52	50	50	148	254	1160	322	86	165	152
20	197	79	52	50	50	163	267	1160	322	78	164	155
21	197	81	52	50	50	162	331	1160	336	72	163	154
22	197	79	52	50	50	162	426	1170	364	75	163	152
23	196	79	52	50	50	162	600	1110	364	84	162	152
24	196	79	52	50	50	163	805	635	351	83	162	150
25	194	79	52	50	50	249	932	388	321	91	162	150
26	193	79	52	50	49	455	931	316	309	99	162	148
27	193	79	52	50	48	699	921	320	317	99	162	148
28	193	79	52	50	48	867	908	502	324	117	161	148
29	157	79	52	50	---	611	910	1070	319	145	161	154
30	127	79	52	50	---	252	933	1050	302	134	160	158
31	127	---	52	50	---	252	---	999	---	110	171	---
TOTAL	6639	2877	1888	1553	1392	5515	13578	30436	13270	4633	4960	4765
MEAN	214	95.9	60.9	50.1	49.7	178	453	982	442	149	160	159
AC-FT	13170	5710	3740	3080	2760	10940	26930	60370	26320	9190	9840	9450
MAX	267	127	79	52	50	867	933	1170	891	287	171	175
MIN	84	79	52	50	48	48	250	316	302	72	120	148
CAL YR 1997 TOTAL		85354	MEAN	234	MAX	1030	MIN	30	AC-FT	169300		
WTR YR 1998 TOTAL		91506	MEAN	251	MAX	1170	MIN	48	AC-FT	181500		

MAX DISCH 1188 CFS AT 0515 15-MAY-1998 GH 5.51 FT. SHIFT 0.19 FT. MAX GH 5.51 FT. AT 0515 15-MAY-1998

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 SE¼NE¼ 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. 01, 1997 and from about Mar. 16 to Sep. 30, 1998. The intervening period, from Nov. 02, 1997 to Mar. 16, 1998 consisted of seepage from the Gunnison Tunnel. A backwater condition existed from Nov. 1, 1997-Mar. 16, 1998 and Apr. 10-May 23, 1998, but frequent measurements allowed this period to be rated as good. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--ABCLATCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

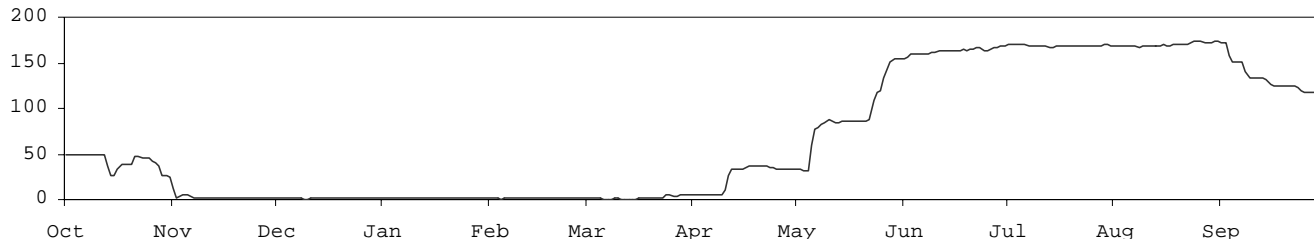
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	12	1.5	1.1	1.1	0.92	4.4	33	154	170	168	172
2	49	1.7	1.5	1.2	1.3	0.92	4.4	33	156	171	168	172
3	49	3.0	1.4	1.3	1.2	0.94	4.4	32	159	170	169	158
4	49	4.7	1.4	1.4	0.83	0.92	4.4	32	159	170	168	151
5	49	5.0	1.4	1.3	1.0	0.92	4.4	59	159	170	168	151
6	49	3.5	1.4	1.3	1.0	0.86	4.4	77	160	170	168	151
7	49	1.5	1.4	1.2	1.0	0.85	4.4	79	160	169	168	151
8	49	1.5	1.0	1.2	0.98	0.86	4.4	82	159	169	167	141
9	49	1.4	0.77	1.2	0.98	0.90	4.4	84	162	169	168	133
10	50	1.4	0.84	1.2	1.0	0.89	11	88	162	169	168	133
11	50	1.4	1.2	1.2	1.0	0.84	26	86	163	168	168	134
12	50	1.5	1.1	1.7	1.0	0.85	34	85	163	168	168	133
13	36	1.6	1.1	1.9	1.0	0.62	34	85	163	167	168	133
14	26	1.6	1.1	1.00	1.1	0.78	34	86	163	167	169	131
15	26	1.7	1.1	0.92	1.0	0.65	34	86	163	168	170	127
16	33	1.6	1.1	0.93	1.1	1.3	35	86	163	168	169	125
17	38	1.3	1.2	0.92	1.1	1.4	36	86	164	168	169	124
18	38	1.3	1.2	0.92	1.1	1.2	36	86	165	168	170	124
19	38	1.6	1.2	0.97	1.1	1.1	36	86	164	169	171	124
20	38	1.6	1.2	1.0	1.1	1.0	36	86	165	169	171	124
21	47	1.7	1.2	1.0	1.1	1.0	36	86	165	169	171	124
22	48	1.7	1.3	1.0	1.0	1.0	36	87	167	169	171	124
23	46	1.7	1.1	1.0	1.4	2.5	35	108	167	169	172	123
24	46	1.6	1.1	1.0	1.4	4.8	35	118	164	169	173	120
25	45	1.6	1.4	1.0	0.91	4.5	34	119	164	169	173	118
26	42	1.6	1.4	1.1	1.1	4.2	34	134	165	169	173	118
27	41	1.6	1.4	1.1	1.0	4.2	34	142	166	169	172	117
28	37	1.6	1.4	1.1	0.92	4.4	34	151	167	169	172	117
29	27	1.6	1.2	1.1	---	4.4	33	155	169	170	172	117
30	27	1.6	1.2	1.1	---	4.4	33	155	169	170	173	117
31	25	---	1.1	1.2	---	4.4	---	155	---	169	173	---
TOTAL	1295	67.2	37.90	35.55	29.83	58.53	735.6	2867	4889	5238	5268	3987
MEAN	41.8	2.24	1.22	1.15	1.07	1.89	24.5	92.5	163	169	170	133
AC-FT	2570	133	75	71	59	116	1460	5690	9700	10390	10450	7910
MAX	50	12	1.5	1.9	1.4	4.8	36	155	169	171	173	172
MIN	25	1.3	0.77	0.92	0.83	0.62	4.4	32	154	167	167	117

CAL YR 1997 TOTAL 17886.19 MEAN 49.0 MAX 172 MIN 0.77 AC-FT 35480
WTR YR 1998 TOTAL 24508.62 MEAN 67.1 MAX 173 MIN 0.62 AC-FT 48610

MAX DISCH 174 CFS AT 1915 25-AUG-1998 GH 3.65 FT. SHIFT -0.17 FT. MAX GH 3.65 FT. AT 1915 25-AUG-1998

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 1, 1997 and from Mar 16 to Sep 30, 1998. The intervening period reflected use on six occasions to fill Fairview Reservoir. These periods were Nov 18-19, Dec 9, 23, 1997, Jan 12-14, Feb 2-4, and 23-25, 1998. These intervening winter values were supplied by using a Stevens A-35 recorder located on the Fairview inlet and using information from the Uncompahgre Valley Water Users Association and are considered good except for the data on Nov 18-19, and Dec. 9, 1997, which is considered fair. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--SOUCANCO12 USED FROM 01-OCT-1997 TO 30-SEP-1998

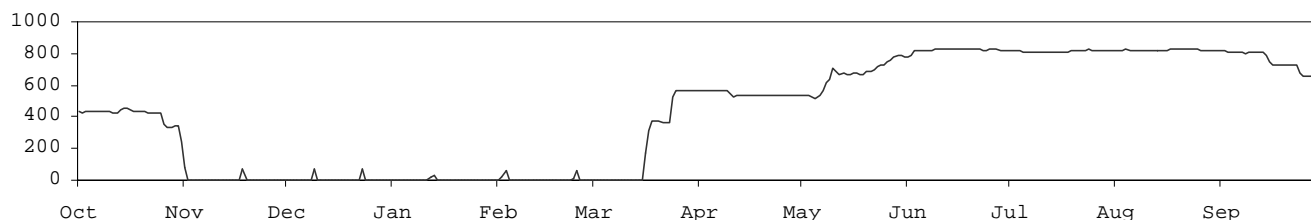
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	430	79	0.0	0.0	0.0	0.0	563	531	775	816	821	817
2	429	0.0	0.0	0.0	20	0.0	566	531	789	817	822	815
3	430	0.0	0.0	0.0	57	0.0	565	531	815	815	822	807
4	430	0.0	0.0	0.0	0.55	0.0	565	530	820	814	824	805
5	431	0.0	0.0	0.0	0.0	0.0	565	517	823	813	822	804
6	431	0.0	0.0	0.0	0.0	0.0	565	538	823	811	822	805
7	431	0.0	0.0	0.0	0.0	0.0	565	569	823	812	820	804
8	431	0.0	0.0	0.0	0.0	0.0	564	618	814	812	821	802
9	430	0.0	69	0.0	0.0	0.0	564	641	830	810	822	805
10	430	0.0	0.0	0.0	0.0	0.0	541	709	829	808	820	807
11	429	0.0	0.0	0.0	0.0	0.0	530	683	828	809	820	807
12	428	0.0	0.0	17	0.0	0.0	531	670	831	808	817	809
13	442	0.0	0.0	35	0.0	0.0	531	672	832	807	818	811
14	452	0.0	0.0	0.02	0.0	0.0	531	671	831	805	822	792
15	452	0.0	0.0	0.0	0.0	0.0	531	671	830	806	823	746
16	444	0.0	0.0	0.0	0.0	169	531	672	827	807	821	727
17	437	0.0	0.0	0.0	0.0	318	532	672	828	810	824	727
18	437	69	0.0	0.0	0.0	371	533	666	827	812	824	729
19	437	0.16	0.0	0.0	0.0	370	534	671	825	814	826	730
20	437	0.0	0.0	0.0	0.0	369	535	682	824	815	826	730
21	429	0.0	0.0	0.0	0.0	368	535	691	824	821	825	731
22	426	0.0	0.0	0.0	0.0	368	536	697	824	822	825	732
23	427	0.0	67	0.0	13	367	537	722	823	823	824	727
24	427	0.0	0.0	0.0	57	526	539	732	823	824	825	678
25	425	0.0	0.0	0.0	0.46	564	537	732	825	822	824	657
26	358	0.0	0.0	0.0	0.0	563	532	744	825	822	822	658
27	332	0.0	0.0	0.0	0.0	562	532	761	825	821	822	660
28	338	0.0	0.0	0.0	0.0	562	532	782	822	822	821	659
29	346	0.0	0.0	0.0	---	562	531	788	819	822	818	655
30	345	0.0	0.0	0.0	---	561	531	783	818	822	817	658
31	244	---	0.0	0.0	---	561	---	782	---	822	817	---
TOTAL	12795	148.16	136	52.02	148.01	7161	16284	20659	24652	25264	25477	22494
MEAN	413	4.94	4.39	1.68	5.29	231	543	666	822	815	822	750
AC-FT	25380	294	270	103	294	14200	32300	40980	48900	50110	50530	44620
MAX	452	79	69	35	57	564	566	788	832	824	826	817
MIN	244	0.0	0.0	0.0	0.0	0.0	530	517	775	805	817	655

CAL YR 1997 TOTAL 116708.96 MEAN 320 MAX 817 MIN 0.00 AC-FT 231500
WTR YR 1998 TOTAL 155270.20 MEAN 425 MAX 832 MIN 0.00 AC-FT 308000

MAX DISCH 836 CFS AT 1045 12-JUN-1998 GH 2.86 FT. SHIFT -0.36 FT. MAX GH 3.50 FT. AT 1115 12-SEP-1998

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. 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.--Record is complete except for the following periods: missing data from vax and chart unreliable Oct 11, 16, 19-22, Jan 24, Feb 14, Mar 26, Apr 24 and May 8 and 9; culverts filled with debris Dec 5; inlets were partially plugged Nov 30 - Dec 5. Record is good to fair due to rating not well defined throughout. Transmountain diversions through the Continental-Hoosier Tunnel from May 13 - Oct 6 and through Boreas Pass Ditch from June 9 - August 20. Station maintained by Scott Hummer and Judy Sappington, Records developed by Judy Sappington.

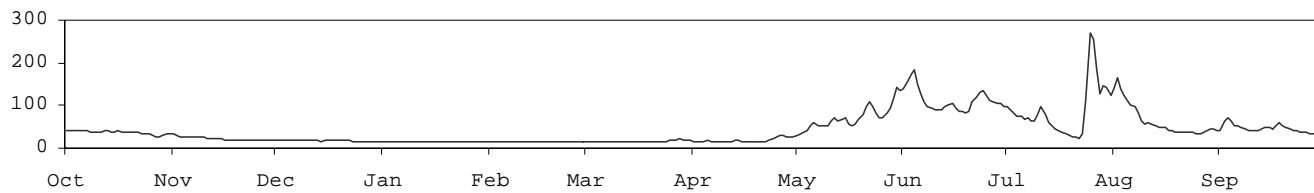
RATING TABLE.--BLUNINCO03 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	33	18	15	15	15	16	30	140	98	141	43
2	42	31	17	15	15	15	16	33	157	89	165	62
3	42	27	18	15	15	15	16	37	171	81	137	71
4	41	26	18	15	15	15	16	41	182	74	124	63
5	40	27	18	15	15	15	17	51	150	76	111	54
6	41	27	18	15	15	15	16	60	128	67	103	51
7	40	27	18	14	15	15	16	54	108	73	96	48
8	39	26	18	14	14	15	15	53	99	65	83	44
9	39	26	18	14	14	15	15	51	92	65	64	43
10	39	25	18	14	14	15	15	51	89	77	58	43
11	39	23	18	14	14	14	15	62	91	96	59	42
12	40	24	17	15	14	14	16	70	90	79	56	42
13	41	24	17	15	14	14	17	64	97	60	52	44
14	38	22	16	15	15	14	17	69	103	52	50	49
15	37	21	17	15	14	15	16	71	105	45	49	47
16	40	19	18	15	15	15	16	57	93	41	47	46
17	39	18	18	15	15	15	15	52	87	36	42	54
18	38	18	19	15	15	15	15	57	87	33	40	59
19	39	18	18	15	15	14	14	67	84	31	39	54
20	37	18	18	15	14	14	14	80	87	28	38	49
21	36	18	18	15	15	14	14	97	107	25	37	45
22	36	19	17	16	15	15	15	107	121	23	38	42
23	34	19	16	16	14	16	18	99	132	35	39	40
24	33	18	16	16	14	16	23	84	135	110	37	39
25	33	18	16	16	14	18	26	73	123	270	35	38
26	30	18	16	16	15	20	29	71	111	255	35	36
27	26	19	16	16	15	20	29	82	107	185	38	35
28	28	19	15	15	15	21	26	95	106	129	41	34
29	31	19	15	15	---	20	26	116	105	147	45	33
30	32	18	15	15	---	19	28	143	99	144	44	33
31	32	---	15	15	---	17	---	135	---	123	42	---
TOTAL	1144	665	530	466	409	490	547	2212	3386	2712	1985	1383
MEAN	36.9	22.2	17.1	15.0	14.6	15.8	18.2	71.4	113	87.5	64.0	46.1
AC-FT	2270	1320	1050	924	811	972	1080	4390	6720	5380	3940	2740
MAX	42	33	19	16	15	21	29	143	182	270	165	71
MIN	26	18	15	14	14	14	14	30	84	23	35	33
CAL YR 1997 TOTAL	34428.8	MEAN	94.3	MAX	635	MIN	9.0	AC-FT	68290			
WTR YR 1998 TOTAL	15929	MEAN	43.6	MAX	270	MIN	14	AC-FT	31600			

MAX DISCH 299 CFS AT 0900 25-JUL-1998 GH 2.17 FT. SHIFT -0.39 FT. MAX GH 2.17 FT. AT 0900 25-JUL-1998

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 24" 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.

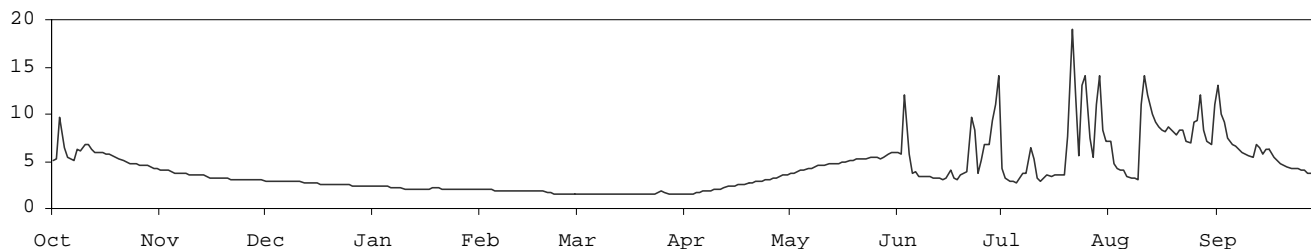
REMARKS.--Record is complete and reliable except when recorder was malfunctioning Nov 17 - Jan 5 and Apr 3 - May 22. Record is good except for periods of no gage height data, which are poor. Transmountain diversions through Boustead Tunnel from May 27 - Aug 23 and through Busk-Ivanhoe Tunnel from May 28 to mid August. Station maintained and records developed by Judy T. Sappington.

RATING TABLE.--CHAGULCO05 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	4.1	2.9	2.3	2.0	1.6	1.5	3.7	5.9	4.3	7.1	13
2	5.2	4.0	2.9	2.3	2.0	1.6	1.6	3.8	5.8	3.2	4.8	10
3	9.6	4.0	2.9	2.3	2.0	1.6	1.6	3.9	12	2.9	4.2	9.2
4	6.5	3.9	2.9	2.3	2.0	1.6	1.7	4.0	5.7	2.8	4.1	7.4
5	5.5	3.8	2.9	2.3	1.9	1.6	1.7	4.1	3.8	2.7	4.0	6.8
6	5.2	3.7	2.8	2.2	1.9	1.6	1.8	4.2	3.9	3.2	3.4	6.6
7	5.1	3.7	2.8	2.2	1.9	1.6	1.9	4.3	3.4	3.7	3.2	6.3
8	6.2	3.7	2.8	2.2	1.9	1.6	1.9	4.4	3.4	3.7	3.2	5.9
9	6.1	3.6	2.8	2.2	1.8	1.6	2.0	4.5	3.4	6.5	3.1	5.8
10	6.8	3.6	2.8	2.1	1.8	1.6	2.1	4.5	3.4	5.2	11	5.6
11	6.8	3.6	2.8	2.1	1.8	1.6	2.1	4.6	3.2	3.2	14	5.5
12	6.2	3.6	2.7	2.1	1.8	1.6	2.2	4.7	3.2	2.9	12	6.8
13	6.0	3.5	2.7	2.1	1.8	1.6	2.3	4.7	3.2	3.2	10	6.5
14	6.0	3.4	2.7	2.1	1.8	1.6	2.3	4.8	3.0	3.5	9.2	5.8
15	6.0	3.3	2.7	2.1	1.8	1.6	2.4	4.8	3.3	3.4	8.6	6.2
16	5.8	3.2	2.7	2.1	1.8	1.6	2.5	4.9	4.1	3.5	8.3	6.2
17	5.8	3.2	2.6	2.1	1.8	1.6	2.5	5.0	3.3	3.5	8.1	5.4
18	5.6	3.2	2.6	2.2	1.8	1.6	2.6	5.1	3.0	3.6	8.6	5.1
19	5.4	3.2	2.6	2.2	1.8	1.5	2.7	5.1	3.6	3.5	8.1	4.8
20	5.2	3.2	2.6	2.2	1.7	1.5	2.7	5.2	3.8	7.7	7.8	4.5
21	5.1	3.1	2.5	2.1	1.7	1.6	2.8	5.2	3.9	19	8.3	4.4
22	4.9	3.1	2.5	2.0	1.6	1.6	2.9	5.3	9.6	12	8.3	4.2
23	4.7	3.1	2.5	2.0	1.6	1.6	2.9	5.2	8.3	5.6	7.2	4.3
24	4.7	3.1	2.5	2.0	1.6	1.7	3.0	5.4	3.7	13	6.9	4.2
25	4.7	3.1	2.5	2.0	1.6	1.8	3.1	5.4	5.1	14	9.2	4.1
26	4.6	3.0	2.4	2.0	1.6	1.7	3.2	5.4	6.7	7.4	9.4	4.0
27	4.6	3.0	2.4	2.0	1.6	1.6	3.3	5.2	6.8	5.5	12	3.8
28	4.5	3.0	2.4	2.0	1.6	1.6	3.4	5.4	9.3	11	8.3	3.7
29	4.4	3.0	2.4	2.0	---	1.6	3.5	5.7	11	14	7.2	3.7
30	4.3	3.0	2.4	2.0	---	1.6	3.6	6.0	14	8.3	6.8	3.2
31	4.2	---	2.3	2.0	---	1.6	---	6.0	---	7.2	11	---
TOTAL	170.8	102.0	82.0	65.8	50.0	49.8	73.8	150.5	162.8	193.2	237.4	173.0
MEAN	5.51	3.40	2.65	2.12	1.79	1.61	2.46	4.85	5.43	6.23	7.66	5.77
AC-FT	339	202	163	131	99	99	146	299	323	383	471	343
MAX	9.6	4.1	2.9	2.3	2.0	1.8	3.6	6.0	14	19	14	13
MIN	4.2	3.0	2.3	2.0	1.6	1.5	1.5	3.7	3.0	2.7	3.1	3.2
CAL YR 1997 TOTAL		1789.5	MEAN	4.90	MAX	31	MIN	1.6	AC-FT	3550		
WTR YR 1998 TOTAL		1511.1	MEAN	4.14	MAX	19	MIN	1.5	AC-FT	3000		

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", NW¼SW¼ sec. 35, 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 is complete and reliable except for the period Dec 25 - 30 when the chart was not running and the vax was not receiving data. Stage-discharge relation was affected by ice Dec 5, 6, 13 - 18 and Jan 7, 8 -10, 22 -24. Record is good except for periods of no gage height record and ice affected record which are poor. Transmountain diversions through Twin Lakes Tunnel from May 4 - Sept 20 and Hunter Tunnel's diversion is undetermined. Station maintained and records developed by Judy T. Sappington.

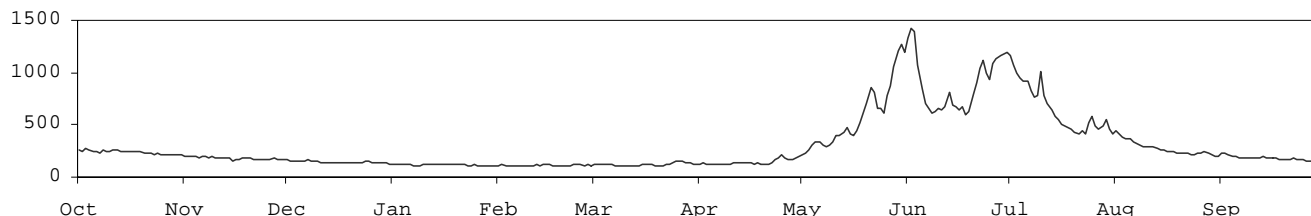
RATING TABLE.--ROABMCCO2 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	255	205	162	129	110	116	120	217	1330	1160	437	234
2	252	198	159	123	116	121	132	229	1420	1070	419	236
3	280	192	157	123	112	118	127	258	1390	997	384	212
4	264	196	149	121	110	116	125	305	1070	947	371	198
5	248	191	151	118	112	116	126	335	848	911	362	193
6	239	193	155	118	114	116	128	330	705	913	339	189
7	237	193	161	111	113	113	126	309	657	824	318	187
8	256	191	158	109	112	113	125	298	616	771	302	186
9	243	194	153	112	113	113	123	305	627	788	294	184
10	251	187	150	116	110	107	122	341	657	1010	296	180
11	257	191	141	125	105	109	131	401	648	785	296	178
12	259	191	142	121	118	108	144	399	677	700	291	191
13	246	182	142	121	110	109	143	424	812	642	270	200
14	245	180	141	119	116	112	137	475	689	587	259	186
15	247	154	143	128	116	116	131	406	670	552	254	183
16	247	171	142	122	116	118	134	394	638	503	249	184
17	242	172	144	119	113	119	129	446	672	495	247	177
18	240	178	143	116	113	118	131	516	598	476	246	174
19	241	178	142	118	112	113	124	609	631	459	237	170
20	234	184	140	119	109	113	126	711	801	427	229	168
21	229	175	142	119	113	112	127	851	899	420	229	170
22	223	171	138	117	114	118	140	815	1040	439	232	191
23	220	170	135	111	118	125	161	664	1110	416	219	173
24	229	169	154	113	115	134	188	654	1000	523	215	167
25	219	170	150	115	116	148	207	612	941	586	227	162
26	208	171	145	114	110	152	185	784	1080	494	232	160
27	211	178	145	114	116	148	171	872	1130	462	239	158
28	215	167	139	113	113	138	174	1060	1160	488	230	164
29	212	163	141	114	---	131	181	1210	1180	557	213	172
30	212	163	134	114	---	120	198	1270	1200	453	204	160
31	210	---	129	111	---	125	---	1190	---	417	205	---
TOTAL	7371	5418	4527	3643	3165	3735	4316	17690	26896	20272	8545	5487
MEAN	238	181	146	118	113	120	144	571	897	654	276	183
AC-FT	14620	10750	8980	7230	6280	7410	8560	35090	53350	40210	16950	10880
MAX	280	205	162	129	118	152	207	1270	1420	1160	437	236
MIN	208	154	129	109	105	107	120	217	598	416	204	158
CAL YR 1997 TOTAL		171897	MEAN	471	MAX	3070	MIN	92	AC-FT	341000		
WTR YR 1998 TOTAL		111065	MEAN	304	MAX	1420	MIN	105	AC-FT	220300		

MAX DISCH 1853 CFS AT 2345 02-JUN-1998 GH 5.04 FT. SHIFT 0.24 FT. MAX GH 5.04 FT. AT 2345 02-JUN-1998

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 complete and reliable except from Jan 7-15 and 20-26 when the satellite did not transmit and the chart paper was not reliable. Record is good except for periods of no gage height record which are poor. Transmountain diversions through Boustead Tunnel from May 27 - Aug 23 and through Busk-Ivanhoe Tunnel from May 28 to mid August. Station maintained and records developed by Judy T. Sappington.

RATING TABLE.--FRYTHOCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

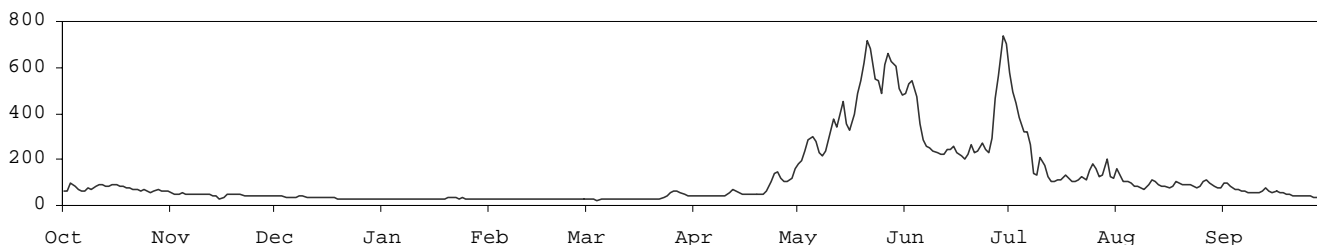
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	58	40	28	28	25	41	183	488	576	160	98
2	63	51	39	29	28	26	40	192	532	496	134	100
3	94	47	39	29	29	25	41	240	545	445	102	82
4	84	57	35	29	30	24	42	288	475	380	101	73
5	71	52	38	28	30	25	44	297	357	320	96	67
6	65	52	38	28	30	26	45	276	287	320	81	64
7	62	51	38	29	30	25	43	229	256	261	83	61
8	74	51	39	29	30	25	42	215	251	138	79	58
9	72	49	39	29	30	26	41	236	235	130	73	59
10	82	48	38	29	29	27	42	290	232	206	92	56
11	88	49	36	30	29	26	54	373	220	173	113	55
12	88	48	33	30	31	26	69	343	225	123	107	62
13	82	45	34	29	31	27	63	398	245	107	90	74
14	82	41	34	29	30	28	56	452	242	107	84	61
15	89	25	35	30	29	28	52	355	255	110	81	59
16	88	36	34	29	29	29	52	326	230	108	78	66
17	86	52	33	29	28	30	49	396	217	129	81	57
18	85	49	32	28	28	28	48	485	203	118	105	53
19	80	48	31	31	27	27	46	541	226	103	99	50
20	76	49	31	33	27	31	47	617	262	101	90	47
21	71	46	30	32	28	30	51	719	229	113	91	44
22	67	45	31	32	28	31	66	682	240	126	93	43
23	65	43	30	31	28	35	101	553	271	112	82	44
24	67	44	29	32	28	42	141	542	244	152	78	43
25	62	43	29	31	28	55	145	487	229	180	85	40
26	59	42	29	31	27	64	118	615	292	159	103	39
27	63	43	30	30	27	61	102	663	464	128	110	38
28	67	42	31	29	27	54	104	623	562	129	96	37
29	65	40	31	29	---	47	120	605	735	204	82	39
30	65	40	30	29	---	44	157	505	701	127	74	41
31	62	---	28	29	---	40	---	478	---	116	75	---
TOTAL	2288	1386	1044	920	804	1037	2062	13204	9950	5997	2898	1710
MEAN	73.8	46.2	33.7	29.7	28.7	33.5	68.7	426	332	193	93.5	57.0
AC-FT	4540	2750	2070	1820	1590	2060	4090	26190	19740	11900	5750	3390
MAX	94	58	40	33	31	64	157	719	735	576	160	100
MIN	59	25	28	28	27	24	40	183	203	101	73	37

CAL YR 1997 TOTAL 51442 MEAN 141 MAX 922 MIN 24 AC-FT 102000
WTR YR 1998 TOTAL 43300 MEAN 119 MAX 735 MIN 24 AC-FT 85890

MAX DISCH 905 CFS AT 0045 29-JUN-1998 GH 3.75 FT. SHIFT 0.02 FT. MAX GH 3.75 FT. AT 0045 29-JUN-1998

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.--Record is complete. The recorder did not always reflect what the USBR connection was transmitting; therefore, the taped length, recorder and transmitted information were used in conjunction with one another in determining the corrected gage heights. Stage-discharge relation affected by ice Dec 9 - April 21. Beaver activity occurred October 4 - 6, Nov 6 - Dec 6, Aug 17 - 19 and Sept 12, 21 and 24. Record is good except for periods of low flow and ice affect in winter which are poor. USBR staff monitors station on daily/weekly basis. Station maintained and records developed by Judy T. Sappington

RATING TABLE.--RFCMERC001 USED FROM 01-OCT-1997 TO 30-SEP-1998

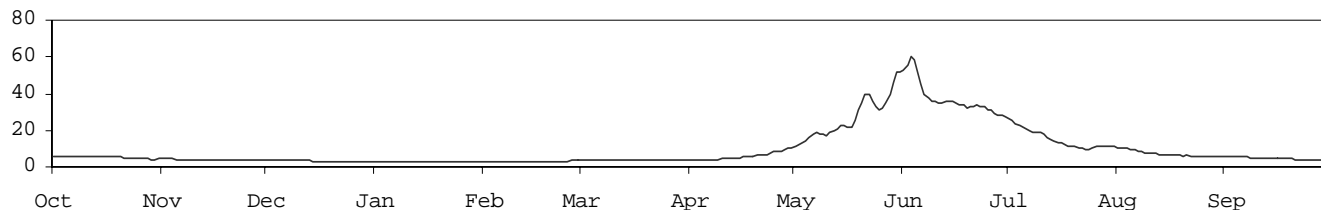
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	4.5	3.8	3.0	3.0	3.3	4.0	11	53	26	10	5.7
2	5.5	4.5	3.8	3.0	3.0	3.3	4.0	12	56	25	9.9	5.7
3	5.5	4.5	3.8	3.0	3.0	3.3	4.0	13	60	24	10	5.7
4	5.5	4.3	3.8	3.0	3.0	3.3	4.0	14	58	23	10	5.7
5	5.5	4.0	3.8	3.0	3.0	3.3	4.1	16	52	22	9.3	5.6
6	5.2	4.0	3.6	3.0	3.0	3.3	4.1	18	45	21	9.0	5.5
7	5.5	4.0	3.4	3.0	3.0	3.3	4.1	19	40	20	8.8	5.3
8	5.2	4.0	3.3	3.0	3.0	3.3	4.1	18	38	19	8.4	5.1
9	5.2	4.0	3.4	3.0	3.0	3.3	4.1	18	36	19	8.0	4.8
10	5.2	4.0	3.4	3.0	3.0	3.3	4.3	17	36	19	7.8	4.7
11	5.2	4.0	3.4	3.0	3.0	3.3	4.3	19	35	18	7.3	4.7
12	5.2	4.0	3.4	3.0	3.0	3.4	4.3	20	35	16	7.1	4.7
13	5.2	4.0	3.3	3.0	3.0	3.4	4.6	21	36	15	7.0	4.7
14	5.2	4.0	3.2	3.0	3.0	3.4	4.6	23	36	14	6.8	4.7
15	5.2	4.0	3.2	3.0	3.0	3.4	4.6	23	36	13	6.7	4.8
16	5.2	4.0	3.2	3.0	3.1	3.4	5.3	22	35	13	6.5	5.0
17	5.2	4.0	3.0	3.0	3.1	3.4	5.3	22	34	12	6.5	4.9
18	5.2	4.0	3.0	3.0	3.1	3.5	5.6	25	34	11	6.5	4.7
19	5.2	4.0	3.0	3.0	3.1	3.6	5.8	31	32	11	6.2	4.6
20	5.2	4.0	3.0	3.0	3.1	3.6	6.3	35	33	11	6.0	4.4
21	5.0	4.0	3.0	3.0	3.1	3.6	6.2	40	33	10	6.2	4.2
22	5.0	4.0	3.0	2.8	3.1	3.7	6.3	40	34	10	6.1	4.0
23	5.0	4.0	3.0	3.0	3.1	3.7	6.8	36	33	9.8	5.9	4.0
24	4.7	4.0	3.0	3.0	3.1	3.9	7.6	33	33	9.8	5.6	4.0
25	4.7	3.8	3.0	3.0	3.1	3.9	8.6	31	31	10	5.5	3.8
26	4.7	3.8	3.0	3.0	3.3	3.9	8.8	32	31	11	5.5	3.8
27	4.7	3.8	3.0	3.0	3.3	3.9	8.9	35	29	11	5.7	3.8
28	4.5	3.8	3.0	3.0	3.3	3.9	9.2	40	28	11	5.7	3.8
29	4.2	3.8	3.0	3.0	---	3.9	9.9	46	28	11	5.8	3.7
30	4.1	3.8	3.0	3.0	---	3.9	10	52	27	11	6.0	3.6
31	4.4	---	3.0	3.0	---	4.0	---	52	---	11	5.9	---
TOTAL	156.5	120.6	100.8	92.8	85.9	109.7	173.8	834	1127	467.6	221.7	139.7
MEAN	5.05	4.02	3.25	2.99	3.07	3.54	5.79	26.9	37.6	15.1	7.15	4.66
AC-FT	310	239	200	184	170	218	345	1650	2240	927	440	277
MAX	5.5	4.5	3.8	3.0	3.3	4.0	10	52	60	26	10	5.7
MIN	4.1	3.8	3.0	2.8	3.0	3.3	4.0	11	27	9.8	5.5	3.6

CAL YR 1997 TOTAL 4606.2 MEAN 12.6 MAX 89 MIN 2.7 AC-FT 9140
WTR YR 1998 TOTAL 3630.1 MEAN 9.95 MAX 60 MIN 2.8 AC-FT 7200

MAX DISCH 63 CFS AT 2400 02-JUN-1998 GH 1.45 FT. SHIFT -0.01 FT. MAX GH 1.45 FT. AT 2400 02-JUN-1998

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 and reliable except during periods of no gage height: Oct. 7-8, 22, 1997-May 28, 1998; June 10-23; July 29-Aug. 5, 8-23, 29; Sep. 13, 16-17, 1998. Unpublished data collected by DWR and DPOR personnel starting in 1979. Records developed by Kent Holt. Rating extended above 249 cfs.

RATING TABLE.--WILBSLCO USED FROM 01-OCT-1997 TO 30-SEP-1998

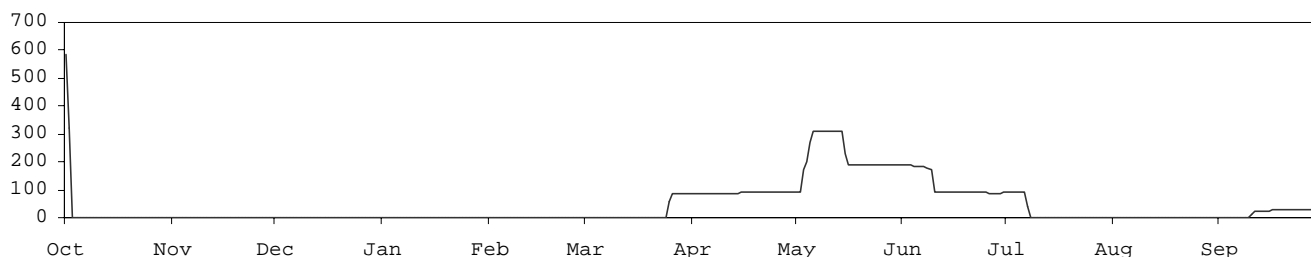
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	585	1.1	1.4	2.1	0.41	0.33	88	90	190	90	0.01	0.02
2	319	1.1	1.4	2.1	0.36	0.33	88	90	189	92	0.01	0.02
3	2.0	1.1	1.4	2.1	0.36	0.33	88	170	189	92	0.01	0.02
4	1.2	1.1	1.4	0.68	0.36	0.33	88	199	186	92	0.01	0.02
5	1.0	1.1	1.4	0.50	0.36	0.33	88	270	183	92	0.01	0.02
6	0.92	1.1	2.0	0.50	0.36	0.33	88	309	182	92	0.01	0.02
7	0.92	1.1	2.1	0.50	0.36	0.33	88	309	182	43	0.01	0.02
8	0.62	1.1	2.1	0.50	0.36	0.33	88	309	179	0.04	0.01	0.02
9	0.32	1.1	2.1	0.50	0.36	0.33	88	309	174	0.04	0.01	0.02
10	0.02	1.1	2.1	0.50	0.36	0.33	88	309	90	0.04	0.01	12
11	0.02	1.1	2.1	0.50	0.36	0.33	88	309	90	0.04	0.01	25
12	0.02	1.1	2.1	0.50	0.36	0.33	88	309	90	0.04	0.01	25
13	0.02	1.1	2.1	0.50	0.33	0.33	88	309	90	0.03	0.01	25
14	0.02	1.1	2.1	0.50	0.33	0.33	88	309	90	0.03	0.01	25
15	0.02	1.1	2.1	0.50	0.33	0.33	89	230	90	0.03	0.01	25
16	0.02	1.1	2.1	0.50	0.33	0.33	89	190	90	0.03	0.01	30
17	0.02	1.1	2.1	0.45	0.33	0.33	89	190	90	0.03	0.01	30
18	0.02	1.1	2.1	0.41	0.33	0.33	89	190	90	0.02	0.01	30
19	0.02	1.1	2.1	0.41	0.33	0.33	89	190	90	0.02	0.01	30
20	0.03	1.1	2.1	0.41	0.33	0.33	89	190	90	0.02	0.01	30
21	0.21	1.1	2.1	0.41	0.33	0.33	89	190	90	0.02	0.01	30
22	1.1	1.1	2.1	0.41	0.33	0.33	89	190	90	0.02	0.01	30
23	1.1	1.1	2.1	0.41	0.33	0.33	89	190	90	0.02	0.01	30
24	1.1	1.2	2.1	0.41	0.33	0.33	89	190	91	0.02	0.01	30
25	1.1	1.4	2.1	0.41	0.33	60	89	190	91	0.01	0.01	30
26	1.1	1.4	2.1	0.41	0.33	87	90	190	88	0.01	0.02	30
27	1.1	1.5	2.1	0.41	0.33	87	90	190	88	0.01	0.02	27
28	1.1	1.4	2.1	0.41	0.33	87	90	190	88	0.01	0.02	27
29	1.1	1.4	2.1	0.41	---	87	90	190	88	0.01	0.02	27
30	1.1	1.4	2.1	0.41	---	87	90	190	89	0.01	0.02	27
31	1.1	---	2.1	0.41	---	87	---	190	---	0.01	0.02	---
TOTAL	922.45	35.0	61.5	19.17	9.65	589.92	2661	6870	3537	593.56	0.37	575.18
MEAN	29.8	1.17	1.98	0.62	0.34	19.0	88.7	222	118	19.1	0.01	19.2
AC-FT	1830	69	122	38	19	1170	5280	13630	7020	1180	0.73	1140
MAX	585	1.5	2.1	2.1	0.41	87	90	309	190	92	0.02	30
MIN	0.02	1.1	1.4	0.41	0.33	0.33	88	90	88	0.01	0.01	0.02

CAL YR 1997 TOTAL 21944.52 MEAN 60.1 MAX 585 MIN 0.02 AC-FT 43530
WTR YR 1998 TOTAL 15874.80 MEAN 43.5 MAX 585 MIN 0.01 AC-FT 31490

MAX DISCH 595 CFS AT 1100 01-OCT-1997 GH 3.72 FT. SHIFT 0.00 FT. MAX GH 3.72 FT. AT 1100 01-OCT-1997

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



NORTH PLATTE RIVER BASIN

MICHIGAN RIVER NEAR MEADOW CK. RESERVOIR

LOCATION.--Lat 40°36'48", long 106°05'05", in sec. 36, T.8 N., R.78 W., in Jackson County. Under bridge on county road about 700 feet above the confluence of Peterson Creek.

DRAINAGE AREA.--99 mi².

GAGE.--Float driven satellite telemetry. Approximate elevation of gage is 8500 feet.

REMARKS.--Record is complete and reliable except during periods of no gage height: Oct. 5-6, 29, 1997-Apr. 20, 1998; July 4-16; Sep. 2-22, 1998. Records developed by Kent Holt. Rating table extended above 218 cfs. Site is about 4 miles downstream from Michigan River near Gould which was discontinued in September 1995.

RATING TABLE.--MICMERC0 USED FROM 01-OCT-1997 TO 30-SEP-1998

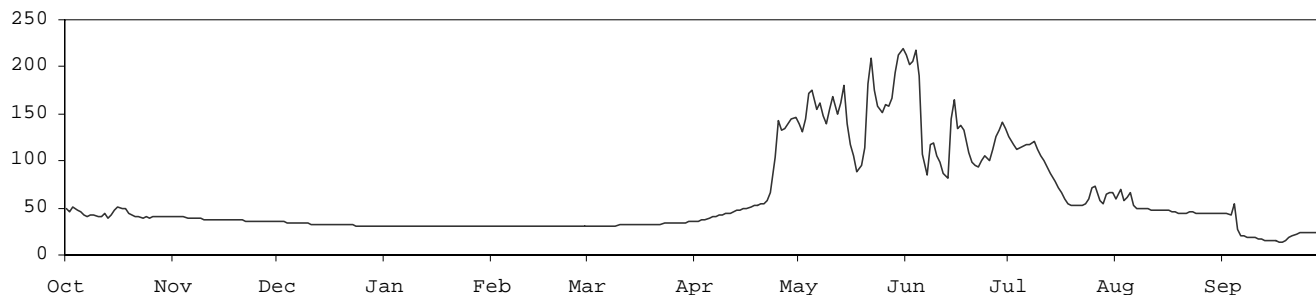
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	40	35	30	30	30	35	139	213	126	60	44
2	46	40	35	30	30	30	36	131	203	117	69	44
3	51	40	35	30	30	30	37	144	205	112	58	42
4	48	40	34	30	30	30	38	171	218	114	62	54
5	46	39	34	30	30	31	39	175	191	115	67	27
6	43	39	34	30	30	31	40	155	107	117	53	20
7	40	39	34	30	30	31	41	162	85	118	50	20
8	43	39	34	30	30	31	42	148	117	120	50	19
9	42	39	34	30	30	31	43	139	119	113	50	18
10	41	38	34	30	30	32	44	155	106	106	49	18
11	40	38	33	30	30	32	45	168	98	100	48	17
12	45	38	33	30	30	32	46	150	87	93	48	17
13	39	38	33	30	30	32	47	162	81	86	48	16
14	43	38	33	30	30	32	48	181	145	79	48	16
15	48	38	33	30	30	32	49	140	165	72	48	15
16	51	38	33	30	30	32	50	117	134	66	47	15
17	50	37	32	30	30	33	51	105	138	59	46	14
18	50	37	32	30	30	33	52	89	133	54	46	14
19	45	37	32	30	30	33	53	96	108	53	45	16
20	43	37	32	30	30	33	54	114	99	53	45	18
21	41	37	32	30	30	33	55	182	96	53	45	20
22	40	36	32	30	30	33	57	210	94	53	46	22
23	39	36	32	30	30	34	67	176	101	54	46	24
24	40	36	31	30	30	34	103	158	105	59	45	24
25	39	36	31	30	30	34	143	151	100	71	45	24
26	40	36	31	30	30	34	132	160	113	73	45	24
27	40	36	31	30	30	34	135	158	126	58	45	24
28	40	36	31	30	30	34	140	167	133	54	45	24
29	40	35	30	30	---	34	144	194	141	65	45	24
30	40	35	30	30	---	35	146	213	135	67	45	23
31	40	---	30	30	---	35	---	220	---	66	44	---
TOTAL	1342	1128	1010	930	840	1005	2012	4830	3896	2546	1533	697
MEAN	43.3	37.6	32.6	30.0	30.0	32.4	67.1	156	130	82.1	49.5	23.2
AC-FT	2660	2240	2000	1840	1670	1990	3990	9580	7730	5050	3040	1380
MAX	51	40	35	30	30	35	146	220	218	126	69	54
MIN	39	35	30	30	30	30	35	89	81	53	44	14

CAL YR 1997 TOTAL 7326 MEAN 20.1 MAX 319 MIN 30 AC-FT 14530
WTR YR 1998 TOTAL 21769 MEAN 59.6 MAX 220 MIN 14 AC-FT 43180

MAX DISCH 248 CFS AT 2300 29-MAY-1998 GH 2.28 FT. SHIFT 0.00 FT. MAX GH 2.28 FT. AT 2300 29-MAY-1998

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 and reliable except during periods of no telemetry (10/26 thru 4/22). 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-1997 TO 30-SEP-1998

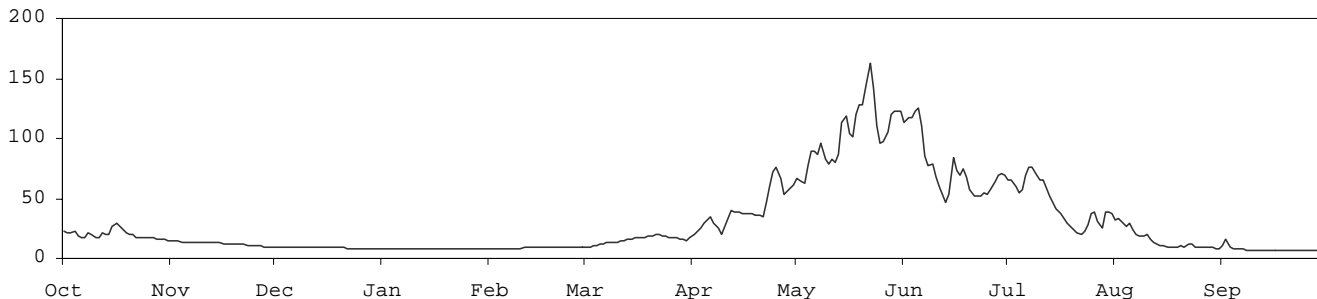
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	15	10	8.0	8.0	10	20	67	114	66	32	11
2	21	15	9.9	8.0	8.1	10	23	64	117	65	33	16
3	22	15	9.9	8.0	8.1	11	26	63	118	60	30	9.6
4	23	14	9.8	8.0	8.2	11	29	78	123	55	27	8.1
5	19	14	9.7	8.0	8.3	12	32	90	125	58	29	7.5
6	18	14	9.7	8.0	8.4	12	35	89	111	69	24	7.5
7	17	14	9.6	8.0	8.4	13	30	87	85	76	20	7.4
8	22	14	9.6	8.0	8.5	13	25	96	77	76	19	7.0
9	20	14	9.5	8.0	8.6	14	20	83	79	70	19	6.9
10	18	14	9.4	8.0	8.6	14	27	79	68	66	20	6.9
11	17	13	9.4	8.0	8.7	15	33	83	60	66	16	6.8
12	22	13	9.3	8.0	8.8	15	40	80	54	59	14	6.8
13	20	13	9.2	8.0	8.9	16	39	87	47	52	12	6.7
14	20	13	9.2	8.0	8.9	16	39	114	54	47	11	6.7
15	27	13	9.1	8.0	9.0	17	38	119	84	42	11	6.6
16	29	12	9.0	8.0	9.1	17	38	104	74	38	10	6.6
17	27	12	9.0	8.0	9.1	18	37	102	70	33	10	6.6
18	24	12	8.9	8.0	9.2	18	37	120	75	30	9.9	6.1
19	21	12	8.8	8.0	9.3	19	36	128	68	27	10	6.6
20	20	12	8.8	8.0	9.4	19	36	128	57	24	11	6.6
21	20	12	8.7	8.0	9.4	20	35	149	52	21	9.8	6.1
22	18	12	8.6	8.0	9.5	20	47	163	52	20	12	6.1
23	17	11	8.6	8.0	9.6	19	60	142	52	23	12	6.1
24	18	11	8.5	8.0	9.6	19	72	111	55	28	9.6	6.1
25	18	11	8.4	8.0	9.7	18	76	96	54	37	9.0	6.1
26	17	11	8.4	8.0	9.8	18	67	98	57	39	9.0	6.1
27	17	11	8.3	8.0	9.8	17	54	106	64	31	8.9	6.1
28	16	10	8.3	8.0	9.9	16	56	120	69	25	8.9	6.1
29	16	10	8.2	8.0	---	16	59	123	71	39	8.8	6.1
30	16	10	8.1	8.0	---	15	62	123	69	39	8.3	6.1
31	15	---	8.1	8.0	---	18	---	123	---	38	7.8	---
TOTAL	618	377	280.0	248.0	250.9	486	1228	3215	2255	1419	472.0	215.0
MEAN	19.9	12.6	9.03	8.00	8.96	15.7	40.9	104	75.2	45.8	15.2	7.17
AC-FT	1230	748	555	492	498	964	2440	6380	4470	2810	936	426
MAX	29	15	10	8.0	9.9	20	76	163	125	76	33	16
MIN	15	10	8.1	8.0	8.0	10	20	63	47	20	7.8	6.1

CAL YR 1997 TOTAL 19041.0 MEAN 52.2 MAX 531 MIN 6.0 AC-FT 37770
WTR YR 1998 TOTAL 11063.9 MEAN 30.3 MAX 163 MIN 6.1 AC-FT 21950

MAX DISCH 180 CFS AT 1100 22-MAY-1998 GH 2.34 FT. SHIFT 0.01 FT. MAX GH 2.34 FT. AT 1100 22-MAY-1998

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-1997 TO 30-SEP-1998

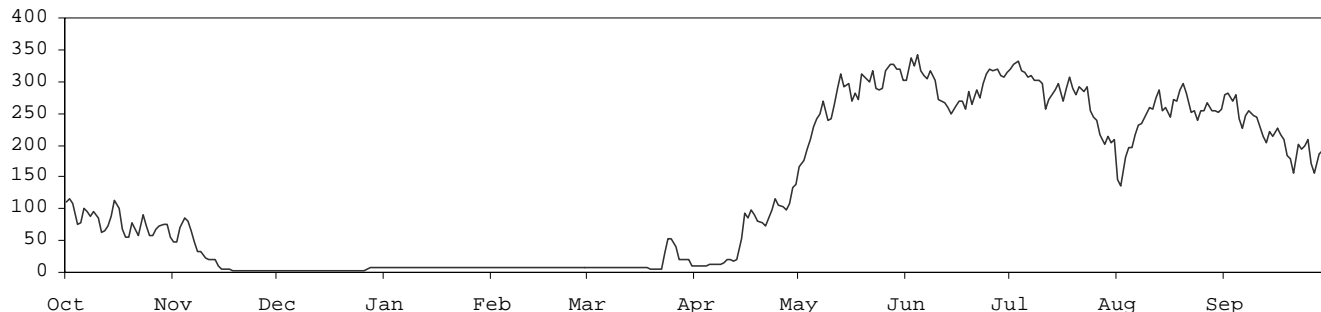
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	47	3.5	6.3	6.3	6.3	10	167	303	320	145	279
2	115	49	3.1	6.3	6.3	6.3	11	175	338	326	135	282
3	109	71	3.1	6.3	6.3	6.3	9.8	194	324	333	180	270
4	76	85	3.1	6.3	6.3	6.3	11	210	343	317	197	279
5	78	80	3.1	6.3	6.3	6.3	13	228	316	315	195	242
6	100	66	3.1	6.3	6.3	6.3	13	242	309	308	216	226
7	95	47	3.1	6.3	6.3	6.3	13	248	305	309	232	247
8	88	32	3.1	6.3	6.3	6.3	13	269	316	302	234	255
9	96	33	3.1	6.3	6.3	6.3	16	239	302	301	250	246
10	85	23	3.1	6.3	6.3	6.3	19	242	272	297	260	243
11	63	19	3.0	6.3	6.3	6.3	20	264	269	257	256	229
12	65	19	2.8	6.3	6.3	6.3	18	290	266	272	273	215
13	74	19	2.8	6.3	6.3	6.3	19	312	258	278	286	203
14	89	9.3	3.0	6.3	6.3	6.3	52	292	250	287	255	221
15	114	5.2	3.4	6.3	6.3	6.3	93	298	261	296	260	215
16	100	4.8	3.4	6.3	6.3	6.3	85	268	270	268	243	226
17	67	4.2	3.4	6.3	6.3	6.3	99	282	269	289	272	217
18	55	3.0	3.4	6.3	6.3	6.3	91	272	256	306	268	208
19	55	2.7	3.4	6.3	6.3	5.9	80	312	285	289	288	184
20	78	2.7	3.4	6.3	6.3	5.5	78	307	265	279	296	178
21	69	2.5	3.4	6.3	6.3	5.5	72	299	286	292	281	156
22	59	2.5	3.4	6.3	6.3	5.5	85	317	273	284	251	201
23	91	2.5	3.4	6.3	6.3	30	99	289	296	291	255	193
24	73	2.5	3.4	6.3	6.3	52	115	286	313	255	238	199
25	57	2.9	3.4	6.3	6.3	52	105	289	319	245	255	210
26	57	3.0	3.4	6.3	6.3	41	103	318	318	238	254	171
27	67	2.9	4.9	6.3	6.3	19	99	326	320	217	267	157
28	72	2.8	6.3	6.3	6.3	19	109	327	309	201	254	186
29	75	2.8	6.3	6.3	---	19	134	320	307	215	253	192
30	75	3.2	6.3	6.3	---	19	138	319	314	204	252	170
31	55	---	6.3	6.3	---	9.5	---	302	---	208	257	---
TOTAL	2463	649.5	113.9	195.3	176.4	396.3	1822.8	8503	8832	8599	7558	6500
MEAN	79.5	21.7	3.67	6.30	6.30	12.8	60.8	274	294	277	244	217
AC-FT	4890	1290	226	387	350	786	3620	16870	17520	17060	14990	12890
MAX	115	85	6.3	6.3	6.3	52	138	327	343	333	296	282
MIN	55	2.5	2.8	6.3	6.3	5.5	9.8	167	250	201	135	156

CAL YR 1997 TOTAL 38206.3 MEAN 105 MAX 355 MIN 2.5 AC-FT 75780
WTR YR 1998 TOTAL 45809.2 MEAN 126 MAX 343 MIN 2.5 AC-FT 90860

MAX DISCH 363 CFS AT 0805 04-JUN-1998 GH 3.15 FT. SHIFT 0.00 FT. MAX GH 3.15 FT. AT 0805 04-JUN-1998

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-1997 TO 30-SEP-1998

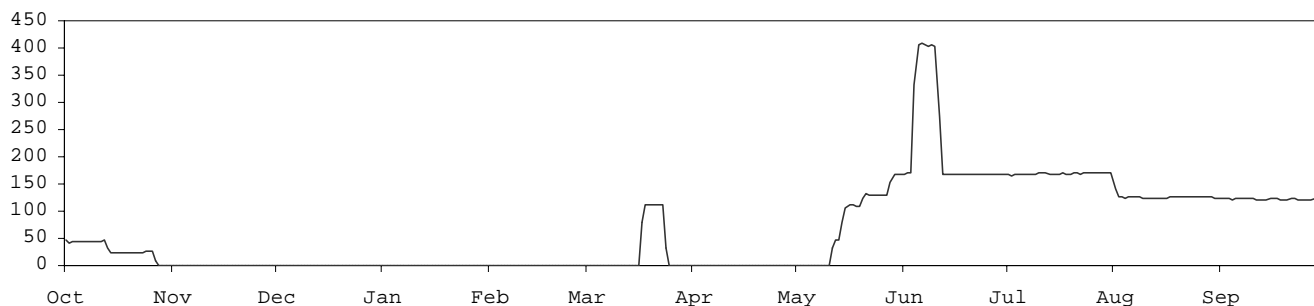
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	169	167	140	124
2	42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170	166	126	123
3	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170	167	126	123
4	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	331	169	125	122
5	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	406	169	126	124
6	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	409	169	126	123
7	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	406	169	126	123
8	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	404	169	126	123
9	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	405	169	125	123
10	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	404	170	125	123
11	45	0.0	0.0	0.0	0.0	0.0	0.0	33	273	170	125	122
12	46	0.0	0.0	0.0	0.0	0.0	0.0	46	167	170	124	122
13	33	0.0	0.0	0.0	0.0	0.0	0.0	46	168	169	124	121
14	24	0.0	0.0	0.0	0.0	0.0	0.0	78	168	169	123	122
15	24	0.0	0.0	0.0	0.0	0.0	0.0	107	168	169	124	123
16	24	0.0	0.0	0.0	0.0	0.0	0.0	112	169	169	125	123
17	24	0.0	0.0	0.0	0.0	80	0.0	113	169	170	126	123
18	24	0.0	0.0	0.0	0.0	113	0.0	110	168	168	127	122
19	24	0.0	0.0	0.0	0.0	112	0.0	110	168	169	127	122
20	24	0.0	0.0	0.0	0.0	113	0.0	125	169	170	127	122
21	24	0.0	0.0	0.0	0.0	113	0.0	131	168	170	127	123
22	24	0.0	0.0	0.0	0.0	112	0.0	130	168	169	126	123
23	25	0.0	0.0	0.0	0.0	113	0.0	130	167	171	126	122
24	27	0.0	0.0	0.0	0.0	33	0.0	130	168	170	127	122
25	27	0.0	0.0	0.0	0.0	0.0	0.0	130	167	170	127	121
26	27	0.0	0.0	0.0	0.0	0.0	0.0	129	168	170	126	121
27	10	0.0	0.0	0.0	0.0	0.0	0.0	130	168	171	126	122
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	154	168	170	126	123
29	0.0	0.0	0.0	0.0	---	0.0	0.0	169	167	170	126	122
30	0.0	0.0	0.0	0.0	---	0.0	0.0	169	167	170	125	122
31	0.0	---	0.0	0.0	---	0.0	---	169	---	170	124	---
TOTAL	904	0.0	0.0	0.0	0.0	789	0.0	2451	6737	5248	3909	3674
MEAN	29.2	0.0	0.0	0.0	0.0	25.5	0.0	79.1	225	169	126	122
AC-FT	1790	0.0	0.0	0.0	0.0	1560	0.0	4860	13360	10410	7750	7290
MAX	46	0.0	0.0	0.0	0.0	113	0.0	169	409	171	140	124
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	167	166	123	121

CAL YR 1997 TOTAL 20616 MEAN 56.5 MAX 204 MIN 0.00 AC-FT 40890
WTR YR 1998 TOTAL 23712 MEAN 65.0 MAX 409 MIN 0.00 AC-FT 47030

MAX DISCH 416 CFS AT 1715 05-JUN-1998 GH 3.89 FT. SHIFT 0.03 FT. MAX GH 3.89 FT. AT 1715 05-JUN-1998

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-1997 TO 30-SEP-1998

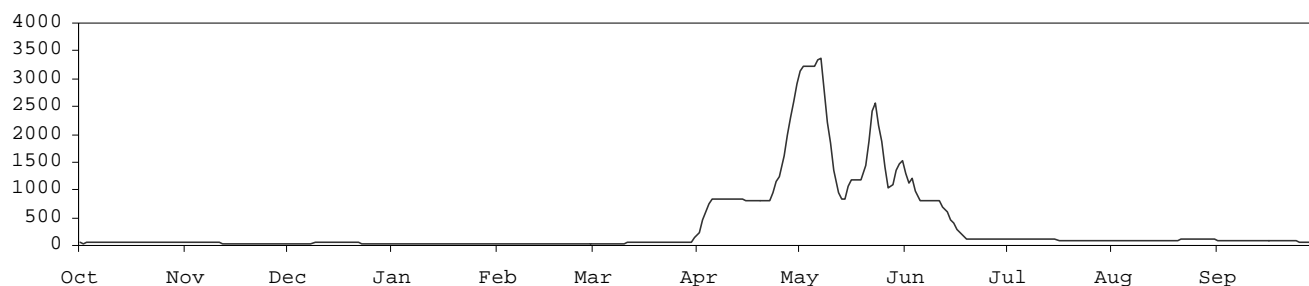
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	52	41	41	42	41	218	3130	1300	118	94	87
2	41	52	41	41	42	41	447	3220	1120	119	94	83
3	50	52	41	42	42	41	616	3220	1220	120	94	83
4	52	52	41	41	42	41	739	3220	985	119	95	83
5	52	52	41	41	42	42	836	3220	806	119	95	83
6	53	52	41	41	41	42	836	3350	806	119	94	85
7	52	52	41	41	42	42	832	3360	808	119	94	85
8	53	52	41	41	42	42	833	2780	808	119	94	85
9	52	52	47	41	42	42	831	2210	807	119	94	85
10	52	52	54	41	42	42	831	1830	807	119	94	86
11	52	48	54	41	41	46	833	1340	807	119	95	87
12	52	40	54	41	42	50	833	963	693	119	97	87
13	52	40	55	41	42	50	830	837	606	118	100	87
14	52	40	58	41	42	50	826	839	461	118	97	87
15	52	40	54	41	42	50	820	1070	395	117	97	86
16	52	40	54	41	42	53	820	1180	279	96	97	86
17	52	40	54	41	42	50	819	1190	220	97	97	86
18	52	40	54	41	42	50	817	1190	175	96	97	86
19	52	40	54	41	42	50	817	1190	120	96	99	86
20	52	40	54	41	41	50	818	1450	118	95	100	86
21	52	40	54	41	42	50	819	1870	118	96	103	78
22	52	40	47	41	42	50	820	2410	118	95	102	74
23	52	40	42	41	41	50	951	2550	119	95	102	72
24	52	40	41	41	42	50	1150	2170	120	95	102	72
25	52	40	41	41	42	53	1250	1870	120	95	103	70
26	52	41	41	41	41	54	1620	1420	121	95	103	69
27	52	41	41	43	41	54	1980	1040	121	95	103	69
28	52	41	41	42	41	54	2310	1080	122	95	103	69
29	52	41	41	42	---	54	2580	1360	122	95	104	69
30	52	41	41	42	---	53	2910	1460	120	95	104	69
31	52	---	41	42	---	140	---	1530	---	94	103	---
TOTAL	1605	1333	1445	1278	1169	1577	31642	59549	14542	3306	3050	2420
MEAN	51.8	44.4	46.6	41.2	41.8	50.9	1055	1921	485	107	98.4	80.7
AC-FT	3180	2640	2870	2530	2320	3130	62760	118100	28840	6560	6050	4800
MAX	56	52	58	43	42	140	2910	3360	1300	120	104	87
MIN	41	40	41	41	41	41	218	837	118	94	94	69

CAL YR 1997 TOTAL 174012 MEAN 477 MAX 3640 MIN 33 AC-FT 345200
WTR YR 1998 TOTAL 122916 MEAN 337 MAX 3360 MIN 40 AC-FT 243800

MAX DISCH 3588 CFS AT 2100 06-MAY-1998 GH 6.48 FT. SHIFT 0.16 FT. MAX GH 6.48 FT. AT 2100 06-MAY-1998

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-1997 TO 30-SEP-1998

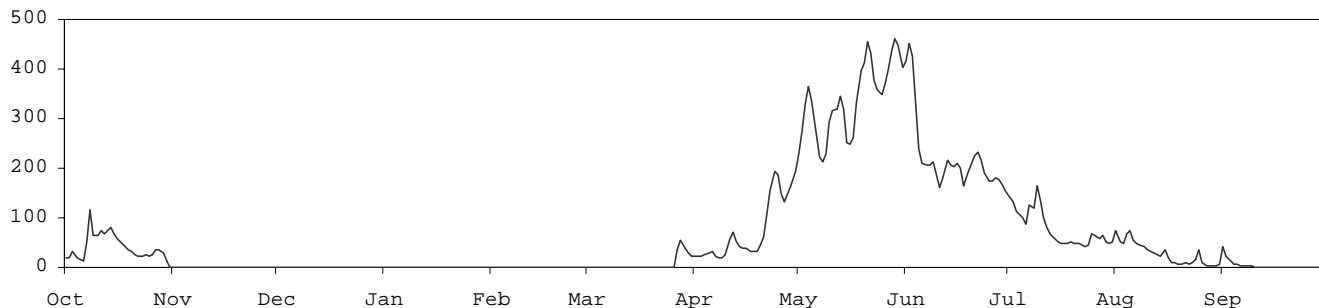
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	0.0	0.0	0.0	0.0	0.0	24	228	415	145	73	43
2	18	0.0	0.0	0.0	0.0	0.0	24	275	451	131	52	22
3	32	0.0	0.0	0.0	0.0	0.0	24	330	427	113	49	13
4	18	0.0	0.0	0.0	0.0	0.0	27	364	332	106	69	7.4
5	15	0.0	0.0	0.0	0.0	0.0	29	336	240	99	75	5.1
6	12	0.0	0.0	0.0	0.0	0.0	31	269	209	87	54	3.8
7	53	0.0	0.0	0.0	0.0	0.0	24	223	208	126	47	3.3
8	116	0.0	0.0	0.0	0.0	0.0	20	213	208	118	44	2.5
9	63	0.0	0.0	0.0	0.0	0.0	19	230	214	163	41	1.7
10	63	0.0	0.0	0.0	0.0	0.0	26	294	187	134	37	0.0
11	74	0.0	0.0	0.0	0.0	0.0	58	316	162	100	33	0.0
12	69	0.0	0.0	0.0	0.0	0.0	71	320	181	80	29	0.0
13	73	0.0	0.0	0.0	0.0	0.0	51	344	215	67	26	0.0
14	81	0.0	0.0	0.0	0.0	0.0	42	318	205	58	24	0.0
15	69	0.0	0.0	0.0	0.0	0.0	39	253	203	51	34	0.0
16	58	0.0	0.0	0.0	0.0	0.0	38	247	210	48	20	0.0
17	50	0.0	0.0	0.0	0.0	0.0	33	262	199	48	11	0.0
18	42	0.0	0.0	0.0	0.0	0.0	31	333	165	50	8.7	0.0
19	37	0.0	0.0	0.0	0.0	0.0	32	398	193	53	7.3	0.0
20	31	0.0	0.0	0.0	0.0	0.0	45	412	211	49	6.9	0.0
21	27	0.0	0.0	0.0	0.0	0.0	62	455	225	47	9.9	0.0
22	24	0.0	0.0	0.0	0.0	0.0	105	432	233	44	7.6	0.0
23	22	0.0	0.0	0.0	0.0	0.0	154	376	217	41	8.4	0.0
24	25	0.0	0.0	0.0	0.0	0.0	193	358	191	46	17	0.0
25	23	0.0	0.0	0.0	0.0	0.0	188	348	173	68	36	0.0
26	25	0.0	0.0	0.0	0.0	0.0	149	371	173	64	11	0.0
27	34	0.0	0.0	0.0	0.0	37	133	401	180	59	4.7	0.0
28	34	0.0	0.0	0.0	0.0	54	147	437	177	65	2.6	0.0
29	29	0.0	0.0	0.0	---	38	164	460	168	53	2.9	0.0
30	13	0.0	0.0	0.0	---	28	195	448	154	47	3.0	2.8
31	0.0	---	0.0	0.0	---	23	---	402	---	53	8.0	---
TOTAL	1250	0.0	0.0	0.0	0.0	180	2178	10453	6726	2413	852.0	104.6
MEAN	40.3	0.0	0.0	0.0	0.0	5.81	72.6	337	224	77.8	27.5	3.49
AC-FT	2480	0.0	0.0	0.0	0.0	357	4320	20730	13340	4790	1690	207
MAX	116	0.0	0.0	0.0	0.0	54	195	460	451	163	75	43
MIN	0.0	0.0	0.0	0.0	0.0	0.0	19	213	154	41	2.6	0.0

CAL YR 1997 TOTAL 31090.09 MEAN 85.2 MAX 436 MIN 0.00 AC-FT 61670
WTR YR 1998 TOTAL 24156.6 MEAN 66.2 MAX 460 MIN 0.00 AC-FT 47910

MAX DISCH 539 CFS AT 2030 28-MAY-1998 GH 4.61 FT. SHIFT 0.00 FT. MAX GH 4.61 FT. AT 2030 28-MAY-1998

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 from the DCP is complete. Any data missing from the initial satellite transmissions was filled in from the DCP's logger files. It is reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 5-7, 11-21, 23, 25-31, 1997; Jan. 6-10, 15, 17-19; Feb. 1-3, 8, 10-14, 19, 21, 26-28; Mar. 1-3, 19, 1998. Record good except for the period from Oct. 30, 1997-Mar. 23, 1998, which is poor due to gravel in the flume approach and ice in the flume, and periods of flow above 65 cfs, which are fair. Station maintained and record developed by Scott D. Brinton.

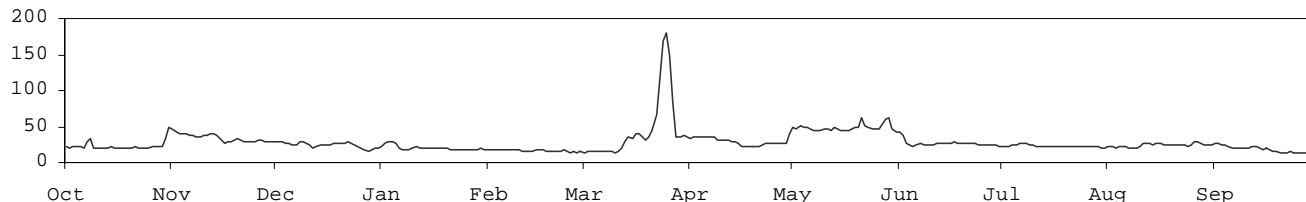
RATING TABLE.--RIOBLACO05 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	47	30	23	17	14	34	48	42	23	23	27
2	21	43	29	27	18	15	35	47	37	23	22	26
3	22	41	29	28	18	15	36	51	26	23	21	25
4	22	40	27	28	18	16	35	50	24	24	22	24
5	22	39	26	26	18	15	35	48	23	25	23	22
6	21	37	24	20	17	16	35	46	25	26	22	21
7	30	37	24	18	18	16	35	45	26	26	21	20
8	34	35	29	18	18	16	35	45	25	26	21	19
9	21	36	28	18	18	15	32	45	24	25	20	20
10	21	37	27	20	18	14	32	47	24	24	23	21
11	21	38	24	22	16	15	32	47	25	23	26	21
12	21	39	20	21	16	21	31	45	26	23	26	22
13	21	40	22	20	16	30	29	48	26	22	26	22
14	22	38	24	20	16	35	29	47	26	22	25	19
15	21	33	24	20	18	34	26	45	27	23	26	18
16	21	27	24	21	17	39	23	45	27	22	26	19
17	21	30	24	20	17	40	23	45	28	22	25	18
18	21	30	26	20	16	35	23	47	27	23	25	16
19	21	32	26	20	15	32	22	50	27	23	24	16
20	21	33	26	19	16	35	22	49	27	22	24	14
21	22	31	26	18	15	45	23	62	27	22	25	14
22	21	28	28	17	16	66	25	51	27	22	24	14
23	21	28	26	17	17	117	26	48	26	22	24	15
24	21	28	25	18	16	170	27	47	25	22	22	14
25	21	30	22	18	14	179	27	47	25	23	24	14
26	22	31	20	18	15	149	26	47	25	23	30	13
27	22	32	18	18	14	84	26	53	25	23	29	13
28	22	30	16	18	15	36	26	61	24	22	27	13
29	22	29	18	18	---	36	26	63	24	22	25	13
30	33	30	20	20	---	38	39	47	23	21	25	21
31	49	---	19	18	---	35	---	43	---	21	24	---
TOTAL	723	1029	751	627	463	1423	875	1509	793	713	750	554
MEAN	23.3	34.3	24.2	20.2	16.5	45.9	29.2	48.7	26.4	23.0	24.2	18.5
AC-FT	1430	2040	1490	1240	918	2820	1740	2990	1570	1410	1490	1100
MAX	49	47	30	28	18	179	39	63	42	26	30	27
MIN	21	27	16	17	14	14	22	43	23	21	20	13
CAL YR 1997 TOTAL		13502	MEAN	37.0	MAX	594	MIN	14	AC-FT	26780		
WTR YR 1998 TOTAL		10210	MEAN	28.0	MAX	179	MIN	13	AC-FT	20250		

MAX DISCH 246 CFS AT 2030 25-MAR-1998 GH 3.45 FT. SHIFT 0.07 FT. MAX GH(ICE) 3.45 FT. AT 2030 25-MAR-1998

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 Nov. 15-20 and 24-25; Dec. 10-15, 1997. Record is complete except for the following periods: Dec. 16, 1997 to Mar. 19, 1998 when well was frozen. 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-1997 TO 30-SEP-1998

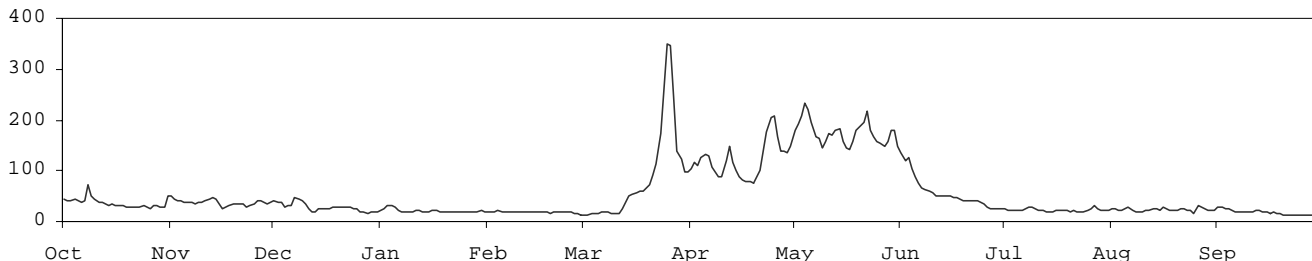
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	49	40	22	18	14	104	181	134	24	25	27
2	42	43	38	26	18	14	117	192	121	22	24	27
3	40	42	38	30	20	15	110	207	125	21	22	25
4	43	41	28	32	22	16	127	232	104	22	22	24
5	40	39	30	28	20	16	132	222	88	22	25	22
6	39	38	30	22	20	18	129	195	75	21	29	20
7	40	37	48	20	20	18	108	168	66	26	22	19
8	74	36	45	18	20	18	97	165	62	27	20	18
9	50	37	41	18	20	16	88	144	61	28	20	18
10	43	39	36	20	18	16	88	156	56	25	18	20
11	39	41	26	22	18	16	121	173	51	22	22	20
12	37	44	18	22	18	24	147	170	49	21	23	21
13	35	47	20	20	18	38	115	178	51	20	24	22
14	33	43	24	20	20	50	100	184	51	20	24	20
15	34	35	26	20	20	52	88	156	50	19	22	18
16	33	24	24	22	20	56	83	144	47	21	27	17
17	32	28	26	22	20	60	80	142	47	22	25	18
18	30	30	28	20	18	60	80	156	44	21	22	17
19	29	34	28	20	16	65	77	181	40	22	22	15
20	28	34	28	20	18	74	88	189	41	20	21	14
21	28	36	28	20	18	92	100	195	41	21	26	13
22	28	34	28	18	18	113	138	216	41	20	25	13
23	27	28	28	18	18	173	176	178	41	20	23	13
24	32	30	26	18	18	262	204	168	37	20	21	14
25	28	34	24	20	18	350	207	158	34	23	17	13
26	25	41	20	20	16	346	168	154	28	25	30	13
27	30	41	18	20	15	245	138	149	26	31	28	13
28	30	39	16	20	14	140	138	158	25	25	26	13
29	29	35	18	20	---	123	136	178	24	23	23	13
30	29	38	20	22	---	98	147	178	24	22	23	20
31	49	---	20	20	---	97	---	149	---	22	23	---
TOTAL	1121	1117	868	660	517	2695	3631	5416	1684	698	724	540
MEAN	36.2	37.2	28.0	21.3	18.5	86.9	121	175	56.1	22.5	23.4	18.0
AC-FT	2220	2220	1720	1310	1030	5350	7200	10740	3340	1380	1440	1070
MAX	74	49	48	32	22	350	207	232	134	31	30	27
MIN	25	24	16	18	14	14	77	142	24	19	17	13

CAL YR 1997 TOTAL 24751 MEAN 67.8 MAX 783 MIN 15 AC-FT 49090
WTR YR 1998 TOTAL 19671 MEAN 53.9 MAX 350 MIN 13 AC-FT 39020

MAX DISCH 526 CFS AT 2200 25-MAR-1998 GH 3.31 FT. SHIFT 0.00 FT. MAX GH 3.31 FT. AT 2200 25-MAR-1998

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).

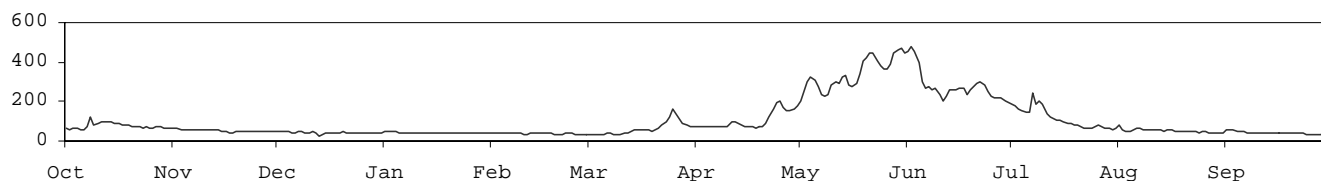
REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 17-18, 22-24, 1997. Dec. 4, 1997-Mar. 25, 1998 when float was frozen in ice in well. A rainstorm on July 7, 1998 caused a mudslide upstream from the station. Material carried downstream covered all inlets, causing a faulty stage-discharge relationship from July 7-10. 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-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	64	48	48	37	33	70	206	455	188	81	57
2	60	62	48	48	37	35	70	249	482	175	60	54
3	65	60	47	45	38	36	72	303	457	163	50	53
4	61	60	45	46	38	36	73	326	398	152	49	48
5	59	59	44	44	38	36	76	311	297	145	53	47
6	56	58	44	39	37	37	77	276	268	142	68	45
7	72	57	46	41	39	37	74	239	273	240	68	42
8	121	56	46	41	39	35	71	230	263	190	60	42
9	83	57	43	41	38	35	69	238	265	200	57	41
10	86	57	44	43	36	36	73	286	234	185	55	39
11	101	57	45	43	36	37	95	297	202	141	54	38
12	99	55	37	43	37	40	100	295	228	124	59	37
13	96	57	23	43	37	46	86	324	260	113	53	37
14	96	54	32	41	38	53	79	331	258	108	52	39
15	92	50	37	39	39	55	75	282	263	102	53	42
16	87	47	40	41	38	58	72	279	268	97	55	43
17	83	44	38	39	37	56	70	293	264	92	52	41
18	80	43	41	39	37	59	68	344	234	91	48	40
19	78	45	43	39	36	50	69	405	256	85	47	38
20	77	50	45	39	36	53	77	420	276	80	46	38
21	72	49	43	39	36	63	91	448	290	75	46	37
22	70	46	41	38	37	81	124	444	296	68	51	37
23	68	45	44	39	37	95	160	407	281	68	45	37
24	70	46	43	41	37	125	198	384	250	66	43	36
25	67	47	41	43	32	165	200	368	227	73	51	36
26	67	50	40	39	34	135	167	367	216	81	50	36
27	69	50	42	39	34	110	152	392	219	71	44	36
28	70	49	42	39	33	91	158	447	217	67	42	36
29	68	48	42	40	---	78	159	462	204	63	43	39
30	66	48	42	40	---	76	181	468	193	59	37	39
31	65	---	44	39	---	72	---	442	---	61	43	---
TOTAL	2365	1570	1300	1278	1028	1954	3106	10563	8294	3565	1615	1230
MEAN	76.3	52.3	41.9	41.2	36.7	63.0	104	341	276	115	52.1	41.0
AC-FT	4690	3110	2580	2530	2040	3880	6160	20950	16450	7070	3200	2440
MAX	121	64	48	48	39	165	200	468	482	240	81	57
MIN	56	43	23	38	32	33	68	206	193	59	37	36
CAL YR 1997 TOTAL		52579	MEAN	144	MAX	616	MIN	23	AC-FT	104300		
WTR YR 1998 TOTAL		37868	MEAN	104	MAX	482	MIN	23	AC-FT	75110		

MAX DISCH 1256 CFS AT 1415 07-JUL-1998 GH 3.84 FT. SHIFT 0.20 FT. MAX GH 3.84 FT. AT 1415 07-JUL-1998
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 good. Station maintained by the U.S.B.R. and record developed by Scott D. Brinton.

RATING TABLE.--OSODIVCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

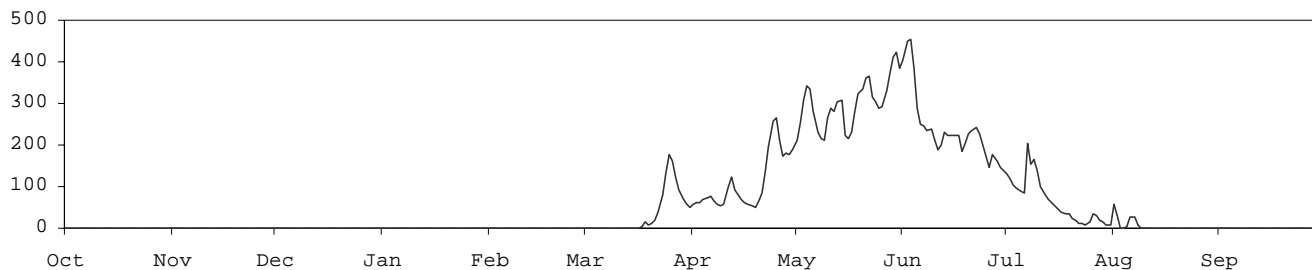
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	57	211	405	130	58	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	60	255	451	118	29	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	61	308	452	105	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	69	344	385	95	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	73	335	289	89	5.3	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	76	279	250	83	26	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	66	232	246	205	27	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	57	215	233	152	7.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	52	212	237	165	0.42	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	59	265	212	137	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	99	288	190	101	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	122	281	200	82	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	93	304	230	71	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	79	306	225	62	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	69	225	225	53	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	63	215	222	45	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	5.1	57	232	225	39	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	14	52	279	184	35	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	6.3	51	322	203	34	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	11	64	333	228	24	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	21	85	361	236	21	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	39	133	365	244	11	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	79	195	317	226	10	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	135	258	304	201	7.6	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	177	267	287	172	15	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	160	211	294	147	34	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	124	172	331	176	29	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	93	179	373	161	19	0.0	0.0
29	0.0	0.0	0.0	0.0	---	71	177	412	148	15	0.0	0.0
30	0.0	0.0	0.0	0.0	---	56	190	422	137	7.0	0.0	0.0
31	0.0	---	0.0	0.0	---	51	---	386	---	7.9	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	1042.4	3246	9293	7140	2001.5	152.72	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	33.6	108	300	238	64.6	4.93	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	2070	6440	18430	14160	3970	303	0.0
MAX	0.0	0.0	0.0	0.0	0.0	177	267	422	452	205	58	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	51	211	137	7.0	0.0	0.0

CAL YR 1997 TOTAL 35746.79 MEAN 97.9 MAX 555 MIN 0.00 AC-FT 70900
WTR YR 1998 TOTAL 22875.62 MEAN 62.7 MAX 452 MIN 0.00 AC-FT 45370

MAX DISCH 508 CFS AT 0530 03-JUN-1998 GH 3.91 FT. SHIFT 0.00 FT. MAX GH 3.91 FT. AT 0530 03-JUN-1998

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. 4, 1997 to Mar. 22, 1998. 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-1997 TO 30-SEP-1998

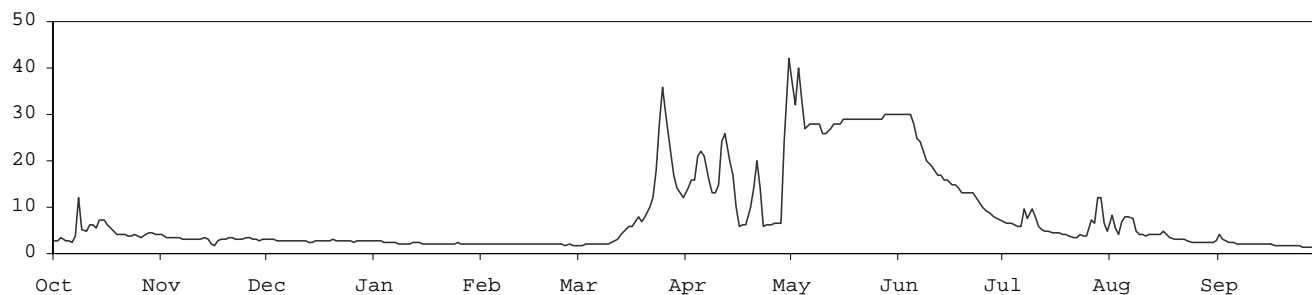
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	4.0	3.0	2.6	2.2	1.6	14	37	30	6.9	8.3	4.0
2	2.7	3.6	3.0	2.6	2.2	1.8	16	32	30	6.7	5.4	3.1
3	3.5	3.5	3.0	2.6	2.2	1.9	16	40	30	6.5	4.1	2.7
4	2.9	3.6	2.9	2.5	2.2	2.0	21	33	30	6.3	7.0	2.5
5	2.6	3.4	2.8	2.5	2.2	2.1	22	27	28	6.0	8.0	2.3
6	2.5	3.3	2.8	2.4	2.2	2.2	21	28	25	5.8	7.9	2.1
7	3.9	3.2	2.9	2.4	2.2	2.2	16	28	24	9.5	7.6	2.1
8	12	3.1	2.9	2.2	2.2	2.1	13	28	22	7.5	4.9	2.0
9	5.3	3.2	2.8	2.2	2.2	2.1	13	28	20	9.8	4.3	2.1
10	4.9	3.2	2.8	2.2	2.1	2.4	15	26	19	7.9	4.1	2.1
11	6.3	3.1	2.8	2.2	2.1	2.6	24	26	18	6.0	3.8	2.1
12	6.2	3.2	2.6	2.3	2.1	3.0	26	27	17	5.3	4.1	2.1
13	5.6	3.6	2.4	2.3	2.1	4.0	20	28	17	4.9	4.3	2.0
14	7.2	3.0	2.4	2.3	2.1	5.0	17	28	16	4.7	4.1	1.9
15	7.2	2.0	2.6	2.2	2.2	6.0	10	28	16	4.4	4.0	1.9
16	6.1	1.7	2.6	2.2	2.2	6.0	5.8	29	15	4.5	4.7	1.9
17	5.4	2.6	2.6	2.2	2.1	7.0	6.1	29	15	4.4	4.3	1.8
18	4.8	3.0	2.8	2.2	2.1	8.0	6.3	29	14	4.2	3.4	1.8
19	4.3	3.2	2.8	2.1	2.0	7.0	10	29	13	4.1	3.1	1.7
20	4.0	3.6	3.0	2.2	2.0	8.0	14	29	13	3.7	3.1	1.7
21	4.0	3.5	2.9	2.1	2.0	10	20	29	13	3.6	3.1	1.7
22	3.9	3.1	2.9	2.1	2.1	12	14	29	13	3.6	3.0	1.6
23	3.7	3.1	2.9	2.1	2.1	18	6.0	29	12	4.0	2.7	1.8
24	4.0	3.1	2.9	2.1	2.1	28	6.2	29	11	3.8	2.5	1.6
25	3.7	3.3	2.7	2.4	1.8	36	6.1	29	9.9	3.9	2.4	1.4
26	3.6	3.5	2.5	2.2	1.9	30	6.4	29	9.3	7.3	2.5	1.4
27	4.3	3.2	2.6	2.2	1.8	22	6.5	29	8.7	6.6	2.5	1.4
28	4.5	3.0	2.6	2.2	1.7	17	6.5	30	8.1	12	2.4	1.4
29	4.4	2.9	2.6	2.2	---	14	24	30	7.7	12	2.4	1.4
30	4.1	3.0	2.6	2.2	---	13	42	30	7.2	6.7	2.3	1.4
31	4.0	---	2.6	2.2	---	12	---	30	---	5.0	2.6	---
TOTAL	144.4	94.8	85.3	70.4	58.4	289.0	443.9	912	511.9	187.6	128.9	59.0
MEAN	4.66	3.16	2.75	2.27	2.09	9.32	14.8	29.4	17.1	6.05	4.16	1.97
AC-FT	286	188	169	140	116	573	880	1810	1020	372	256	117
MAX	12	4.0	3.0	2.6	2.2	36	42	40	30	12	8.3	4.0
MIN	2.5	1.7	2.4	2.1	1.7	1.6	5.8	26	7.2	3.6	2.3	1.4

CAL YR 1997 TOTAL 3132.9 MEAN 8.58 MAX 41 MIN 1.7 AC-FT 6210
WTR YR 1998 TOTAL 2985.6 MEAN 8.18 MAX 42 MIN 1.4 AC-FT 5920

MAX DISCH 60 CFS AT 1945 03-MAY-1998 GH 1.98 FT. SHIFT 0.00 FT. MAX GH 1.98 FT. AT 1945 03-MAY-1998

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 from the DCP is complete. Any data missing from the initial satellite transmissions were filled in from the DCP's logger files except for four hourly values missing on Oct. 11, 1997. These values were obtained from the chart record. It is reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 4-6, 13-19, 21-22, 25-26, 29-30, 1997. Jan. 3, 6, 8-13, 15, 17-20, 23-24, 26, 1998. The inlets were plugged as a result of U.S.B.R. gravel removal operations above the flume on Mar. 18-19, 1998. Records good, except winter periods and the period when the inlets were plugged, 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.

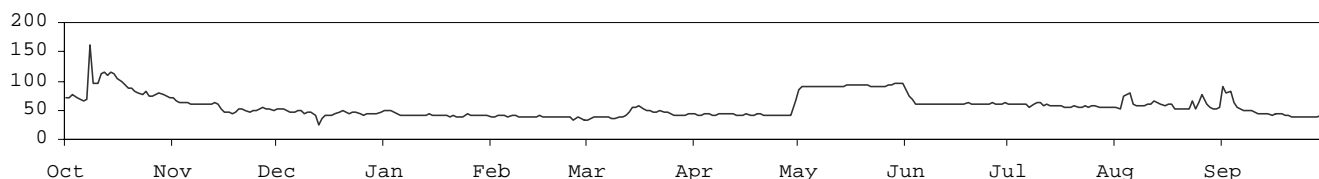
RATING TABLE.--NAVOSOCO03 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	70	52	49	39	34	43	86	86	61	56	91
2	70	66	51	49	39	36	42	90	73	61	52	80
3	78	64	51	48	40	37	42	90	68	59	74	81
4	72	63	48	47	40	37	43	90	61	59	78	62
5	69	62	46	45	40	37	43	90	60	59	79	56
6	66	61	46	42	39	38	42	90	61	59	60	52
7	69	60	48	42	40	38	42	91	61	55	57	50
8	163	59	48	40	40	36	43	91	61	61	57	48
9	97	60	45	40	39	36	43	91	61	63	57	48
10	95	60	46	40	37	37	43	91	61	62	60	46
11	113	60	47	40	37	38	43	91	61	58	60	45
12	114	60	41	42	38	41	43	91	61	59	65	45
13	109	62	26	42	38	47	42	91	60	58	62	44
14	115	60	36	43	39	54	42	91	60	58	60	43
15	111	53	40	40	40	55	42	92	61	58	58	42
16	104	47	42	42	39	58	43	92	61	57	61	43
17	98	46	40	40	38	52	42	92	61	56	59	45
18	93	44	44	40	38	50	42	92	61	56	53	43
19	89	47	46	40	37	48	43	92	62	56	52	41
20	88	52	49	38	37	47	44	92	61	57	51	40
21	83	51	46	40	37	47	42	92	61	56	51	39
22	80	48	44	39	38	48	42	91	61	56	53	39
23	78	47	47	38	38	47	42	91	60	57	65	39
24	81	48	46	38	38	46	41	90	60	56	53	38
25	75	49	44	44	34	44	41	90	61	57	63	38
26	73	52	42	40	37	42	41	91	62	57	78	38
27	77	54	45	40	35	42	41	92	59	56	59	38
28	79	52	44	40	34	42	41	94	61	56	54	37
29	77	51	44	41	---	42	42	95	61	56	53	41
30	74	50	44	41	---	43	65	97	62	56	52	43
31	72	---	46	40	---	43	---	95	---	56	55	---
TOTAL	2734	1658	1384	1290	1065	1342	1290	2834	1870	1791	1847	1435
MEAN	88.2	55.3	44.6	41.6	38.0	43.3	43.0	91.4	62.3	57.8	59.6	47.8
AC-FT	5420	3290	2750	2560	2110	2660	2560	5620	3710	3550	3660	2850
MAX	163	70	52	49	40	58	65	97	86	63	79	91
MIN	66	44	26	38	34	34	41	86	59	55	51	37
CAL YR 1997 TOTAL		23740	MEAN	65.0	MAX	463	MIN	26	AC-FT	47090		
WTR YR 1998 TOTAL		20540	MEAN	56.3	MAX	163	MIN	26	AC-FT	40740		

MAX DISCH 322 CFS AT 0415 08-OCT-1997 GH 3.46 FT. SHIFT -0.02 FT. MAX GH 3.46 FT. AT 0415 08-OCT-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°04'32", long 106°48'38", in SW¼SE¼ sec. 23, T.33 N., R.1 E., NMPM, Archuleta County, on right bank downstream from Little Oso Diversion Dam.

DRAINAGE AREA.--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. 4, 1997 to Mar. 22, 1998. Records good, except for periods of no gauge height record, which are poor. Station maintained and records developed by Scott Brinton.

RATING TABLE.--LOSODVCO01 USED FROM 01-OCT-1997 TO 30-SEP-1998

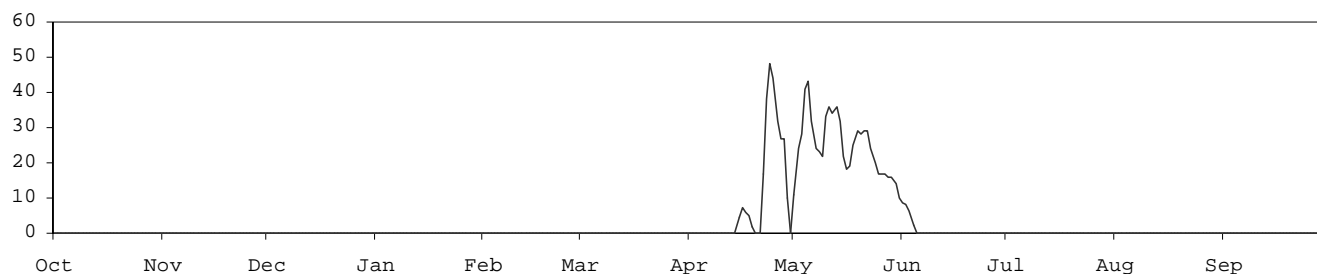
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	8.5	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	8.2	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	6.3	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	2.4	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	4.7	22	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	7.5	18	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	5.8	19	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	4.9	25	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	1.6	29	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	17	29	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	38	24	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	48	20	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	44	17	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	32	17	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	27	17	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	27	16	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	---	10	16	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	14	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	9.8	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	267.5	768.8	25.4	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	8.92	24.8	0.85	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	531	1520	50	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	48	43	8.5	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0	0.0

CAL YR 1997 TOTAL 2242.04 MEAN 6.14 MAX 67 MIN 0.00 AC-FT 4450
WTR YR 1998 TOTAL 1061.7 MEAN 2.91 MAX 48 MIN 0.00 AC-FT 2110

MAX DISCH 67 CFS AT 1730 24-APR-1998 GH 1.90 FT. SHIFT 0.00 FT. MAX GH 1.90 FT. AT 1730 24-APR-1998

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. 4-6, 9, 1997. Float frozen in ice in well Dec. 10, 1997-Apr. 6, 1998. 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-1997 TO 30-SEP-1998

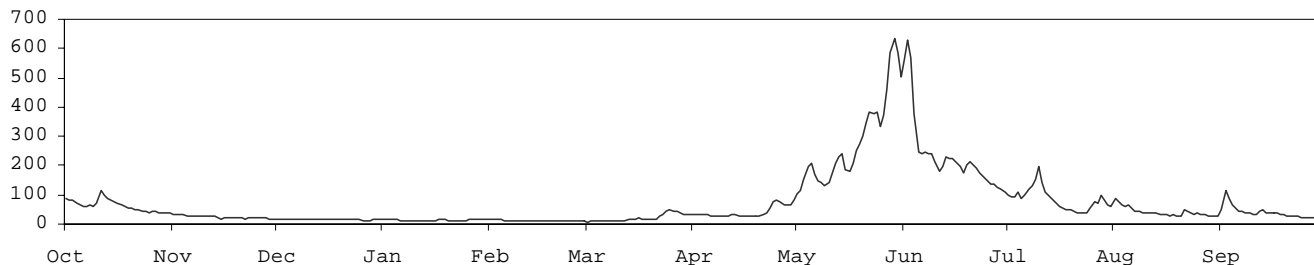
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	35	19	15	14	8.0	34	103	565	100	88	50
2	81	32	19	16	14	9.0	32	115	630	91	77	116
3	82	31	18	16	15	10	32	151	568	92	63	85
4	72	31	18	15	14	11	34	199	378	110	61	65
5	65	30	18	14	13	12	32	209	248	90	64	53
6	60	29	18	13	12	12	30	170	239	96	52	46
7	61	28	19	12	11	11	28	147	248	121	46	42
8	66	27	18	11	11	10	26	141	241	131	42	38
9	61	27	17	10	10	9.0	25	129	239	152	40	36
10	69	26	16	11	10	10	25	142	216	198	39	33
11	116	27	15	11	10	11	29	177	182	141	39	34
12	101	26	14	11	10	12	33	207	196	112	36	46
13	87	27	15	11	11	14	31	228	229	95	38	49
14	83	24	16	10	11	16	30	238	223	82	35	39
15	76	17	16	10	11	18	28	188	222	71	33	38
16	70	21	16	12	11	20	28	181	216	62	31	37
17	64	23	16	14	11	18	27	206	196	56	29	37
18	60	23	16	16	11	16	26	251	177	51	31	34
19	57	24	16	14	10	14	26	272	201	48	28	31
20	54	24	16	12	11	18	28	300	212	43	27	29
21	51	21	15	11	11	14	32	347	200	41	48	28
22	48	19	16	10	11	28	40	382	191	40	43	26
23	46	21	16	11	12	32	56	380	176	39	37	26
24	43	20	15	12	13	44	77	385	159	41	33	24
25	41	20	14	13	12	48	83	334	147	56	36	23
26	42	20	13	14	11	44	75	374	139	77	35	22
27	42	20	12	14	10	42	67	459	134	72	32	21
28	40	20	13	15	9.0	38	64	584	127	100	29	20
29	39	19	14	15	---	34	65	632	118	82	28	22
30	37	19	15	14	---	32	80	585	109	66	26	33
31	37	---	15	14	---	34	---	505	---	61	26	---
TOTAL	1941	731	494	397	320.0	649.0	1223	8721	7126	2617	1272	1183
MEAN	62.6	24.4	15.9	12.8	11.4	20.9	40.8	281	238	84.4	41.0	39.4
AC-FT	3850	1450	980	787	635	1290	2430	17300	14130	5190	2520	2350
MAX	116	35	19	16	15	48	83	632	630	198	88	116
MIN	37	17	12	10	9.0	8.0	25	103	109	39	26	20

CAL YR 1997 TOTAL 47053 MEAN 129 MAX 883 MIN 10 AC-FT 93330
WTR YR 1998 TOTAL 26674.0 MEAN 73.1 MAX 632 MIN 8.0 AC-FT 52910

MAX DISCH 794 CFS AT 2115 02-JUN-1998 GH 3.29 FT. SHIFT -0.03 FT. MAX GH 3.29 FT. AT 2115 02-JUN-1998

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 a Sutron 8200 DCP with a shaft encoder on a separate float in a 42" corrugated metal shelter and well and a concrete control. The DCP record is the primary record. 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-1997 TO 30-SEP-1998

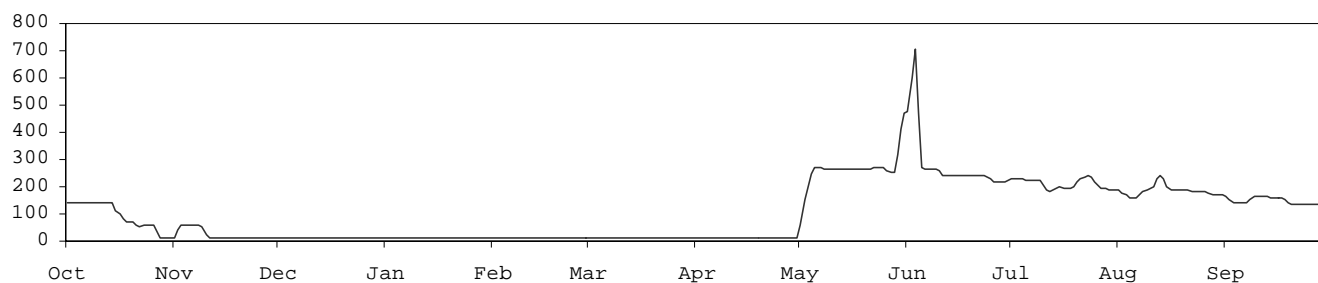
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	14	13	13	13	13	13	57	474	230	186	167
2	141	44	13	13	13	13	13	154	599	229	177	152
3	141	58	13	13	13	13	13	199	705	229	169	141
4	141	58	13	13	13	13	13	245	470	228	161	139
5	141	58	13	13	13	13	13	270	273	225	161	139
6	141	58	13	13	13	13	13	270	266	225	161	139
7	141	58	13	13	13	13	13	268	266	224	171	139
8	141	58	13	13	13	13	12	266	266	222	182	152
9	141	51	13	13	13	13	9.5	266	267	224	186	164
10	141	22	13	13	13	13	12	265	259	203	193	164
11	141	14	13	13	13	13	12	266	239	187	202	164
12	141	14	13	13	13	13	12	266	239	184	230	164
13	141	14	13	13	12	13	12	266	240	188	241	163
14	141	14	13	13	13	13	12	266	240	192	228	161
15	113	14	13	13	13	13	12	266	240	198	201	161
16	99	13	13	13	13	13	13	266	240	197	187	161
17	81	13	13	13	13	13	12	266	240	197	187	161
18	71	13	13	13	13	13	12	266	240	196	187	155
19	71	13	13	13	13	13	12	266	240	202	187	143
20	71	13	13	13	13	13	12	266	241	216	187	135
21	59	13	13	13	13	13	12	267	241	230	187	135
22	55	13	13	13	13	13	12	268	241	233	185	135
23	56	13	13	13	13	13	12	268	241	240	184	135
24	56	13	13	13	13	13	12	268	237	233	184	134
25	56	13	13	13	13	13	12	269	227	217	184	133
26	56	13	13	13	13	13	13	261	216	205	184	133
27	38	13	13	13	13	13	13	253	216	195	179	133
28	14	13	13	13	13	13	13	254	216	192	173	133
29	14	13	13	13	---	13	12	317	216	187	173	133
30	14	13	13	13	---	13	12	412	224	186	173	128
31	14	---	13	13	---	13	---	473	---	186	172	---
TOTAL	2911	744	403	403	363	403	368.5	8230	8519	6500	5762	4396
MEAN	93.9	24.8	13.0	13.0	13.0	13.0	12.3	265	284	210	186	147
AC-FT	5770	1480	799	799	720	799	731	16320	16900	12890	11430	8720
MAX	141	58	13	13	13	13	13	473	705	240	241	167
MIN	14	13	13	13	12	13	9.5	57	216	184	161	128

CAL YR 1997 TOTAL 43858.9 MEAN 120 MAX 796 MIN 7.8 AC-FT 86990
WTR YR 1998 TOTAL 39002.5 MEAN 107 MAX 705 MIN 9.5 AC-FT 77360

MAX DISCH 730 CFS AT 0045 03-JUN-1998 GH 4.51 FT. SHIFT 0.00 FT. MAX GH 4.51 FT. AT 0045 03-JUN-1998

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 and 8004 DCP and shaft encoder in a 36"x36" wooden shelter well. The DCP record is the primary record. 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. 15-17; Dec. 4-6, 11-17, 20-21, 24-28, 1997; Jan. 6-9, 13-15, 18-29, 31; Feb. 1-2, 10-13, 15-17, 19-22, 25-28; Mar. 1-2, 7-13, 19-20, 30; Apr. 1, 1998. Record good except for winter period of ice effect, 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.

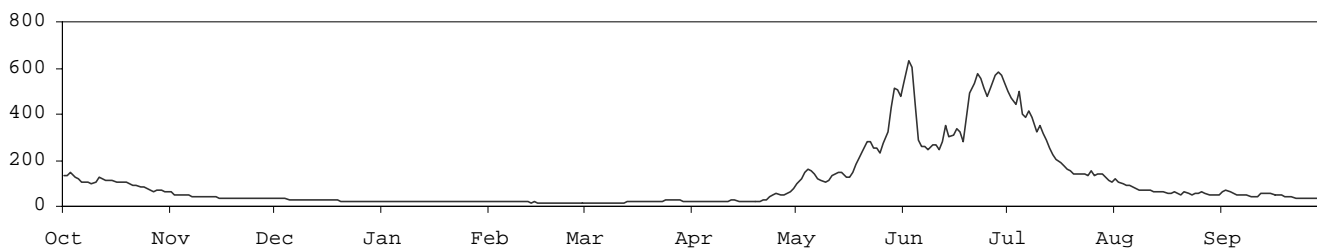
RATING TABLE.--ANIHOWCO08 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	60	33	21	18	17	23	97	541	498	118	61
2	136	52	32	21	18	17	23	116	629	469	106	71
3	149	52	32	21	18	17	22	146	602	440	96	61
4	126	51	32	20	18	17	22	163	442	499	91	56
5	116	47	30	20	18	17	22	156	291	401	89	52
6	108	46	29	20	18	17	22	139	263	383	81	50
7	106	45	29	20	18	17	22	121	260	411	76	48
8	108	44	30	20	18	17	22	113	249	389	72	46
9	96	45	29	20	18	17	21	103	267	321	70	44
10	102	45	29	20	18	17	22	112	267	353	73	42
11	125	45	29	20	18	17	24	130	243	314	70	43
12	116	44	27	20	18	17	26	140	283	287	63	58
13	112	43	27	19	17	18	25	147	351	253	61	57
14	112	41	26	19	18	18	24	148	304	224	64	54
15	114	34	26	19	17	18	23	128	306	202	63	55
16	108	35	26	19	17	19	23	128	339	187	57	51
17	102	34	26	19	17	20	22	148	326	174	56	49
18	104	35	25	19	17	19	22	181	282	164	61	46
19	102	36	25	18	17	19	22	208	384	151	54	43
20	100	36	24	18	17	19	23	238	494	141	52	41
21	94	36	24	18	17	19	25	283	530	137	61	40
22	89	36	24	18	17	20	30	279	578	142	57	38
23	85	35	24	18	17	23	42	254	557	139	52	37
24	81	35	23	18	16	27	51	255	510	134	53	36
25	74	34	23	18	16	30	54	230	476	155	58	34
26	70	35	23	18	16	31	50	273	515	136	61	33
27	66	35	22	18	16	28	48	325	570	138	56	32
28	69	34	22	18	16	26	53	430	583	137	52	32
29	68	34	22	18	---	22	60	512	567	126	49	34
30	66	33	21	18	---	23	78	508	530	113	47	37
31	64	---	21	18	---	23	---	476	---	106	48	---
TOTAL	3104	1217	815	591	484	626	946	6687	12539	7724	2067	1381
MEAN	100	40.6	26.3	19.1	17.3	20.2	31.5	216	418	249	66.7	46.0
AC-FT	6160	2410	1620	1170	960	1240	1880	13260	24870	15320	4100	2740
MAX	149	60	33	21	18	31	78	512	629	499	118	71
MIN	64	33	21	18	16	17	21	97	243	106	47	32
CAL YR 1997 TOTAL		57740	MEAN	158	MAX	1020	MIN	16	AC-FT	114500		
WTR YR 1998 TOTAL		38181	MEAN	105	MAX	629	MIN	16	AC-FT	75730		

MAX DISCH 818 CFS AT 2100 02-JUN-1998 GH 3.01 FT. SHIFT 0.08 FT. MAX GH 3.01 FT. AT 2100 02-JUN-1998

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-1997 TO 30-SEP-1998

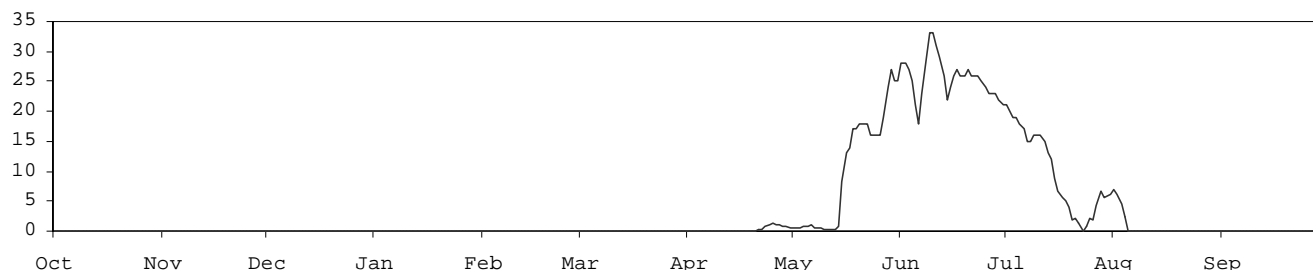
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

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	0.63	28	21	7.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	28	20	6.1	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.62	27	19	4.5	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.70	25	19	2.4	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	21	18	0.00	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	18	17	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63	23	15	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	29	15	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	33	16	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	33	16	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	31	16	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	29	15	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	26	13	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	22	12	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	24	8.8	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	26	6.7	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	27	5.7	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	26	5.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	26	3.9	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	27	2.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.19	18	26	2.2	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.39	18	26	1.4	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.67	16	26	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	1.1	16	25	0.79	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	1.3	16	24	2.2	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	1.2	16	23	2.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	1.0	19	23	4.4	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.86	24	23	6.6	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.68	27	22	5.7	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.56	25	21	5.8	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	25	---	6.2	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	7.95	314.88	768	301.39	20.00	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.27	10.2	25.6	9.72	0.65	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	16	625	1520	598	40	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	1.3	27	33	21	7.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	18	0.0	0.0	0.0

CAL YR 1997 TOTAL 1111.38 MEAN 3.04 MAX 28 MIN 0.00 AC-FT 2200
WTR YR 1998 TOTAL 1412.22 MEAN 3.87 MAX 33 MIN 0.00 AC-FT 2800

MAX DISCH 33 CFS AT 2000 08-JUN-1998 GH 1.38 FT. SHIFT 0.00 FT. MAX GH 1.38 FT. AT 2000 08-JUN-1998

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-1997 TO 30-SEP-1998

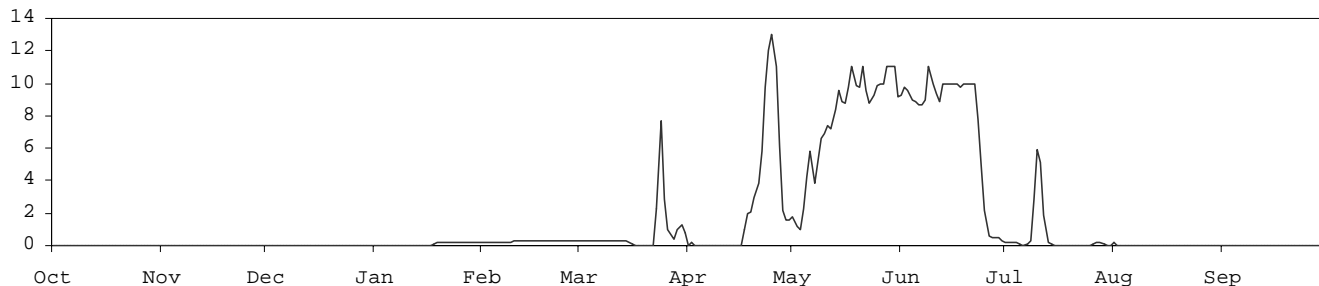
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.19	0.28	0.0	1.8	9.3	0.21	0.19	0.0
2	0.0	0.0	0.0	0.0	0.19	0.28	0.20	1.2	9.8	0.19	0.04	0.0
3	0.0	0.0	0.0	0.0	0.19	0.28	0.0	0.96	9.6	0.19	0.0	0.0
4	0.0	0.0	0.0	0.0	0.19	0.28	0.0	2.3	9.0	0.19	0.0	0.0
5	0.0	0.0	0.0	0.0	0.19	0.28	0.0	4.2	8.9	0.11	0.0	0.0
6	0.0	0.0	0.0	0.0	0.19	0.28	0.0	5.8	8.7	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.19	0.28	0.0	3.8	8.7	0.07	0.0	0.0
8	0.0	0.0	0.0	0.0	0.19	0.28	0.0	5.2	9.0	0.30	0.0	0.0
9	0.0	0.0	0.0	0.0	0.22	0.28	0.0	6.6	11	2.9	0.0	0.0
10	0.0	0.0	0.0	0.0	0.27	0.28	0.0	6.9	10	5.9	0.0	0.0
11	0.0	0.0	0.0	0.0	0.28	0.28	0.0	7.4	9.4	5.1	0.0	0.0
12	0.0	0.0	0.0	0.0	0.28	0.28	0.0	7.2	8.9	1.9	0.0	0.0
13	0.0	0.0	0.0	0.0	0.28	0.28	0.0	8.4	10	0.19	0.0	0.0
14	0.0	0.0	0.0	0.0	0.28	0.28	0.0	9.6	10	0.09	0.0	0.0
15	0.0	0.0	0.0	0.0	0.28	0.23	0.0	8.9	10	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.28	0.14	0.0	8.8	10	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.28	0.0	1.0	9.8	10	0.0	0.0	0.0
18	0.0	0.0	0.0	0.06	0.28	0.0	2.0	11	9.8	0.0	0.0	0.0
19	0.0	0.0	0.0	0.19	0.28	0.0	2.1	9.9	10	0.0	0.0	0.0
20	0.0	0.0	0.0	0.19	0.28	0.0	3.0	9.8	10	0.0	0.0	0.0
21	0.0	0.0	0.0	0.19	0.28	0.0	3.8	11	10	0.0	0.0	0.0
22	0.0	0.0	0.0	0.19	0.28	0.0	5.8	9.6	10	0.0	0.0	0.0
23	0.0	0.0	0.0	0.19	0.28	2.3	9.8	8.8	7.8	0.0	0.0	0.0
24	0.0	0.0	0.0	0.19	0.28	7.7	12	9.3	4.9	0.0	0.0	0.0
25	0.0	0.0	0.0	0.19	0.28	2.9	13	9.9	2.2	0.0	0.0	0.0
26	0.0	0.0	0.0	0.19	0.28	1.0	11	10	0.56	0.08	0.0	0.0
27	0.0	0.0	0.0	0.19	0.28	0.67	6.1	10	0.51	0.19	0.0	0.0
28	0.0	0.0	0.0	0.19	0.28	0.44	2.2	11	0.51	0.19	0.0	0.0
29	0.0	0.0	0.0	0.19	---	0.96	1.6	11	0.49	0.09	0.0	0.0
30	0.0	0.0	0.0	0.19	---	1.3	1.6	11	0.29	0.0	0.0	0.0
31	0.0	---	0.0	0.19	---	0.81	---	9.2	---	0.04	0.0	---
TOTAL	0.0	0.0	0.0	2.53	7.05	22.37	75.20	240.36	229.36	17.94	0.23	0.0
MEAN	0.0	0.0	0.0	0.08	0.25	0.72	2.51	7.75	7.65	0.58	0.01	0.0
AC-FT	0.0	0.0	0.0	5.0	14	44	149	477	455	36	0.46	0.0
MAX	0.0	0.0	0.0	0.19	0.28	7.7	13	11	11	5.9	0.19	0.0
MIN	0.0	0.0	0.0	0.0	0.19	0.0	0.0	0.96	0.29	0.0	0.0	0.0

CAL YR 1997 TOTAL 720.08 MEAN 1.97 MAX 28 MIN 0.00 AC-FT 1430
WTR YR 1998 TOTAL 595.05 MEAN 1.63 MAX 13 MIN 0.00 AC-FT 1180

MAX DISCH 14 CFS AT 0030 25-APR-1998 GH 1.08 FT. SHIFT 0.00 FT. MAX GH 1.08 FT. AT 0030 25-APR-1998

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 and 8200 DCP with shaft encoder and air temp. sensor in a 64"x64" concrete block shelter and a 42" concrete well. Datum of gage is 8,104.71 ft above National Geodetic Vertical Datum of 1929. DCP is the primary record.

REMARKS.--Record from the DCP is complete. Any data missing from the initial satellite transmissions were filled in from the DCP's logger files. It is reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 16; Dec. 4-6, 9-18, 20-21, 24-30, 1997; Jan. 1, 5-10, 13-31; Feb. 1-2, 5-6, 8-13, 15-22, 24-28; Mar. 1-3, 7-13, 19-21, 30, 1998. Record good except for the winter period, which is poor. Station maintained and record developed by Scott Brinton.

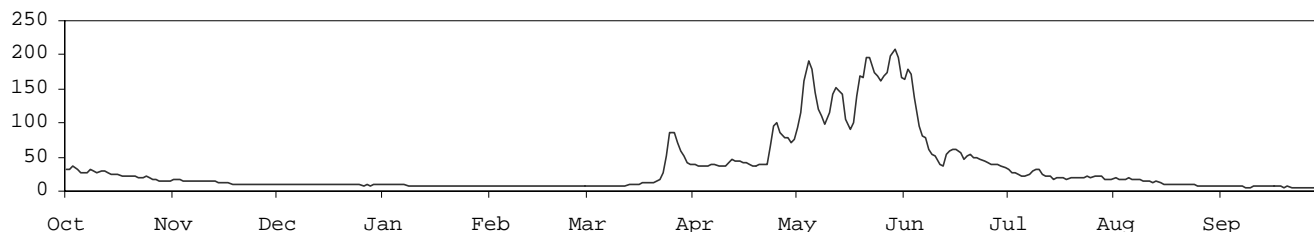
RATING TABLE.--LAPHESCO32 USED FROM 01-OCT-1997 TO 30-SEP-1998

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	16	11	9.0	7.6	6.8	38	93	163	32	20	7.7
2	32	16	11	9.0	7.4	7.0	37	116	178	28	18	7.8
3	36	16	11	9.1	7.6	7.4	36	162	172	26	16	6.9
4	31	15	11	9.4	7.9	7.4	37	190	138	25	16	6.6
5	28	15	11	9.2	7.8	7.4	37	180	96	22	19	7.0
6	26	14	11	8.8	7.8	8.1	38	145	82	22	18	6.6
7	27	14	11	8.6	7.8	7.8	38	121	79	25	17	6.4
8	33	14	11	8.4	7.6	7.6	36	110	62	29	16	6.1
9	29	14	11	8.2	7.6	8.0	36	98	55	31	15	6.1
10	27	14	11	8.2	7.4	8.0	37	115	52	32	15	7.0
11	29	14	11	8.4	7.4	8.2	42	141	40	24	14	6.9
12	29	14	9.5	8.4	7.4	8.4	46	151	37	22	13	7.8
13	26	14	10	8.2	7.4	8.6	43	147	53	21	14	7.4
14	25	13	10	8.2	7.6	9.0	43	142	58	18	13	6.7
15	24	13	10	8.2	7.4	10	42	106	61	20	11	6.3
16	25	12	10	8.4	7.4	11	41	91	62	19	11	6.7
17	23	12	10	8.4	7.4	12	38	101	57	19	11	6.7
18	23	11	10	8.4	7.4	12	37	140	47	18	11	6.4
19	22	11	10	8.2	7.4	12	37	170	52	19	11	6.1
20	22	11	9.5	8.0	7.4	13	38	166	53	19	9.9	6.2
21	21	11	9.5	7.8	7.4	14	38	195	50	19	11	5.9
22	20	11	9.6	7.4	7.4	18	40	195	50	19	9.8	6.0
23	20	11	9.6	7.6	7.6	27	66	173	47	20	9.2	6.0
24	21	10	9.5	7.6	7.8	51	95	170	44	22	8.7	6.1
25	19	11	9.0	7.8	7.2	87	101	162	41	19	8.4	5.7
26	17	11	8.5	7.8	6.8	85	85	170	40	23	8.3	6.0
27	16	11	9.0	7.8	6.8	71	78	173	39	23	8.2	5.7
28	15	11	8.5	7.6	6.6	60	78	198	38	22	7.8	5.7
29	15	11	9.0	7.8	---	52	72	209	36	18	7.5	6.5
30	15	11	9.5	7.8	---	42	77	196	34	16	7.2	6.3
31	15	---	9.0	7.6	---	40	---	166	---	18	6.9	---
TOTAL	744	382	310.7	255.3	208.3	726.7	1507	4692	2016	690	381.9	195.3
MEAN	24.0	12.7	10.0	8.24	7.44	23.4	50.2	151	67.2	22.3	12.3	6.51
AC-FT	1480	758	616	506	413	1440	2990	9310	4000	1370	757	387
MAX	36	16	11	9.4	7.9	87	101	209	178	32	20	7.8
MIN	15	10	8.5	7.4	6.6	6.8	36	91	34	16	6.9	5.7
CAL YR 1997 TOTAL	23448.1		MEAN	64.2	MAX	450	MIN	7.0	AC-FT	46510		
WTR YR 1998 TOTAL	12109.2		MEAN	33.2	MAX	209	MIN	5.7	AC-FT	24020		

MAX DISCH 233 CFS AT 2245 28-MAY-1998 GH 3.31 FT. SHIFT -0.09 FT. MAX GH(ICE)3.70 FT. AT 0915 29-DEC-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 15 - 18, 21 - 25 and 29 - 30; Dec. 3 - 5 and 12 - 28, 1997; Jan. 2 - 7 and 29 - 31; Feb. 1 - 7, 1998. 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-1997 TO 30-SEP-1998

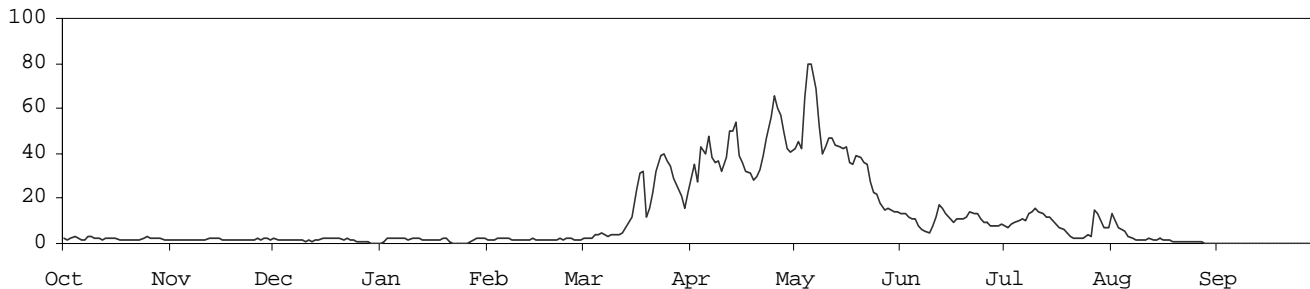
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	1.5	2.0	0.0	1.5	2.3	29	42	13	7.7	13	0.01
2	1.9	1.4	1.8	0.50	1.5	2.1	35	45	13	7.2	10	0.0
3	2.6	1.4	1.8	2.0	1.5	2.2	27	42	12	8.5	7.3	0.0
4	3.3	1.4	1.2	2.0	2.0	3.9	43	65	11	9.4	6.5	0.0
5	2.0	1.5	1.4	2.0	2.0	4.1	40	80	11	10	5.5	0.0
6	1.6	1.6	1.8	2.0	2.0	4.7	48	80	7.7	11	3.5	0.0
7	1.6	1.6	1.9	2.0	2.0	3.7	38	69	6.4	10	2.1	0.0
8	3.5	1.6	1.6	2.1	1.8	3.2	36	52	5.2	13	1.8	0.0
9	3.5	1.6	1.4	1.8	1.8	3.7	37	40	4.3	14	1.6	0.0
10	2.2	1.7	1.1	2.1	1.2	3.6	32	43	7.7	16	1.6	0.0
11	2.0	1.8	1.6	2.2	1.5	3.7	38	47	12	14	1.9	0.0
12	1.8	2.5	1.0	2.2	1.7	4.8	50	47	17	13	2.0	0.0
13	2.0	2.7	1.5	1.8	1.9	6.7	50	44	16	12	1.9	0.0
14	2.0	2.7	1.5	1.7	2.0	9.7	54	43	13	12	1.6	0.13
15	2.0	2.0	2.0	1.5	1.5	12	39	42	11	10	2.0	0.32
16	2.0	1.5	2.0	1.8	1.4	24	36	43	9.1	8.9	1.7	0.13
17	1.8	1.2	2.0	1.9	1.6	31	32	36	11	6.8	1.5	0.04
18	1.8	1.5	2.5	1.8	1.4	32	31	35	11	6.4	1.2	0.0
19	1.8	1.7	2.5	2.3	1.3	12	28	39	11	4.8	1.1	0.0
20	1.8	1.8	2.0	2.0	1.7	16	30	38	12	3.5	0.74	0.0
21	1.8	1.8	1.5	0.45	1.4	23	33	36	14	2.6	0.76	0.0
22	1.8	1.8	2.0	0.0	2.0	32	39	35	13	2.1	0.90	0.0
23	1.7	1.8	1.5	0.0	1.8	39	47	27	13	2.1	0.86	0.0
24	2.2	1.8	1.5	0.0	2.2	40	56	23	11	2.1	0.62	0.0
25	3.5	1.8	1.0	0.0	2.2	37	66	22	9.7	4.0	0.52	0.0
26	2.6	2.0	1.0	0.00	1.5	34	60	18	9.0	3.2	0.44	0.0
27	2.0	1.8	1.0	0.86	1.6	29	57	15	8.2	15	0.43	0.0
28	2.0	2.1	0.50	1.8	1.9	26	49	16	8.2	13	0.37	0.0
29	2.0	2.0	0.0	2.0	---	21	42	15	8.1	10	0.26	0.0
30	1.8	1.8	0.0	2.0	---	16	41	14	8.7	7.1	0.19	0.44
31	1.8	---	0.0	2.0	---	23	---	14	---	7.3	0.06	---
TOTAL	66.6	53.4	44.60	44.81	47.9	505.4	1243	1207	317.3	266.7	73.95	1.06
MEAN	2.15	1.78	1.44	1.45	1.71	16.3	41.4	38.9	10.6	8.60	2.39	0.04
AC-FT	132	106	88	89	95	1000	2470	2390	629	529	147	2.1
MAX	3.5	2.7	2.5	2.3	2.2	40	66	80	17	16	13	0.44
MIN	1.6	1.2	0.0	0.0	1.2	2.1	27	14	4.3	2.1	0.06	0.0

CAL YR 1997 TOTAL 6503.46 MEAN 17.8 MAX 167 MIN 0.00 AC-FT 12900
WTR YR 1998 TOTAL 3871.72 MEAN 10.6 MAX 80 MIN 0.00 AC-FT 7680

MAX DISCH 95 CFS AT 0715 05-MAY-1998 GH 2.51 FT. SHIFT 0.12 FT. MAX GH 2.51 FT. AT 0715 05-MAY-1998

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. 12-17 and 25-31, 1997; Jan. 6-9 and 22; March 1, 1998. Records fair 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-1997 TO 30-SEP-1998

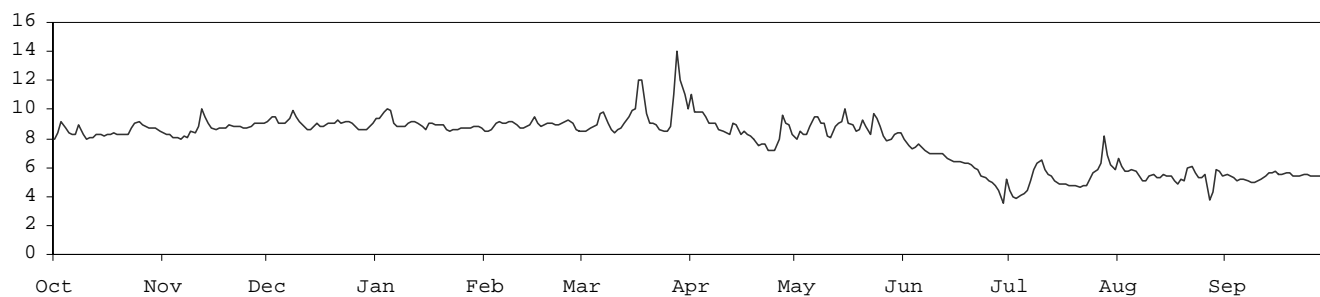
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	8.4	9.2	9.4	8.5	8.5	11	7.9	7.9	4.4	6.6	5.5
2	8.4	8.3	9.5	9.4	8.5	8.5	9.8	8.5	7.5	4.0	6.1	5.4
3	9.2	8.3	9.5	9.8	8.6	8.7	9.8	8.3	7.3	3.9	5.7	5.3
4	8.7	8.1	9.0	10	9.0	8.8	9.8	8.3	7.4	4.1	5.7	5.1
5	8.4	8.1	9.0	9.9	9.2	8.9	9.5	8.8	7.6	4.2	5.8	5.2
6	8.3	7.9	9.1	9.0	9.0	9.7	9.1	9.5	7.4	4.4	5.7	5.2
7	8.3	8.2	9.4	8.8	9.1	9.8	9.1	9.5	7.2	5.1	5.4	5.1
8	8.9	8.1	9.9	8.8	9.2	9.0	9.1	9.1	6.9	5.9	5.1	5.0
9	8.3	8.5	9.5	8.8	9.2	8.6	8.6	9.0	7.0	6.3	5.1	5.0
10	7.9	8.4	9.2	9.0	8.9	8.4	8.5	8.2	7.0	6.5	5.4	5.1
11	8.1	8.8	8.9	9.2	8.7	8.6	8.4	8.1	7.0	5.9	5.5	5.2
12	8.1	10	8.6	9.2	8.7	8.7	8.3	8.8	7.0	5.5	5.3	5.4
13	8.3	9.5	8.6	9.0	8.8	9.0	9.0	9.1	6.6	5.4	5.3	5.6
14	8.3	9.1	8.8	8.8	8.9	9.5	8.9	9.2	6.5	5.1	5.5	5.6
15	8.2	8.7	9.0	8.6	9.5	9.9	8.3	10	6.4	4.9	5.4	5.7
16	8.3	8.6	8.8	9.0	9.1	10	8.5	9.0	6.4	4.9	5.4	5.5
17	8.3	8.7	8.8	9.0	8.8	12	8.3	8.9	6.4	4.9	5.1	5.5
18	8.4	8.7	9.1	8.9	8.9	12	8.2	8.5	6.3	4.8	4.9	5.6
19	8.3	8.7	9.1	8.9	9.1	9.7	8.0	8.6	6.3	4.8	5.2	5.6
20	8.3	8.9	9.1	8.9	9.1	9.1	7.5	9.3	6.2	4.7	5.1	5.4
21	8.3	8.8	9.3	8.6	8.9	9.1	7.6	8.8	6.0	4.6	6.0	5.4
22	8.3	8.8	9.1	8.5	8.9	8.9	7.6	8.3	5.8	4.7	6.1	5.4
23	8.7	8.8	9.2	8.6	9.0	8.6	7.2	9.7	5.4	4.7	5.6	5.5
24	9.0	8.7	9.2	8.6	9.2	8.5	7.2	9.4	5.3	5.2	5.3	5.5
25	9.2	8.7	9.0	8.7	9.3	8.5	7.2	8.8	5.1	5.6	5.3	5.4
26	8.9	8.8	8.8	8.7	9.0	8.8	7.9	8.2	5.0	5.9	5.5	5.4
27	8.8	9.0	8.6	8.7	8.6	11	9.6	7.8	4.8	6.3	3.8	5.4
28	8.7	9.0	8.6	8.7	8.5	14	9.0	7.9	4.4	8.2	4.3	5.4
29	8.7	9.0	8.6	8.8	---	12	8.9	8.3	3.5	6.8	5.9	5.4
30	8.7	9.0	8.8	8.8	---	11	8.3	8.4	5.2	6.2	5.7	5.1
31	8.5	---	9.0	8.7	---	10	---	8.4	---	5.9	5.4	---
TOTAL	262.7	260.6	280.3	277.8	250.2	297.8	258.2	270.6	188.8	163.8	168.2	160.9
MEAN	8.47	8.69	9.04	8.96	8.94	9.61	8.61	8.73	6.29	5.28	5.43	5.36
AC-FT	521	517	556	551	496	591	512	537	374	325	334	319
MAX	9.2	10	9.9	10	9.5	14	11	10	7.9	8.2	6.6	5.7
MIN	7.9	7.9	8.6	8.5	8.5	8.4	7.2	7.8	3.5	3.9	3.8	5.0

CAL YR 1997 TOTAL 3708.3 MEAN 10.2 MAX 46 MIN 5.9 AC-FT 7360
WTR YR 1998 TOTAL 2839.9 MEAN 7.78 MAX 14 MIN 3.5 AC-FT 5630

MAX DISCH 16 CFS AT 0545 18-MAR-1998 GH 1.01 FT. SHIFT 0.00 FT. MAX GH(ICE)1.47 FT. AT 1615 19-DEC-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-1997 TO 30-SEP-1998

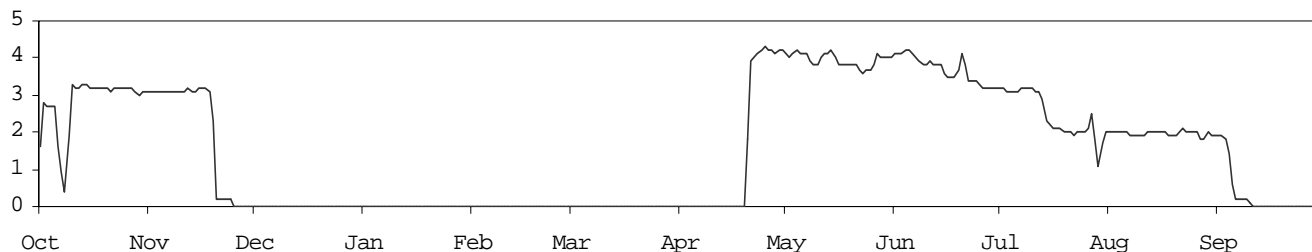
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	3.1	0.0	0.0	0.0	0.0	0.0	4.1	4.1	3.2	2.0	1.9
2	2.8	3.1	0.0	0.0	0.0	0.0	0.0	4.0	4.1	3.2	2.0	1.9
3	2.7	3.1	0.0	0.0	0.0	0.0	0.0	4.1	4.1	3.1	2.0	1.8
4	2.7	3.1	0.0	0.0	0.0	0.0	0.0	4.2	4.2	3.1	2.0	1.4
5	2.7	3.1	0.0	0.0	0.0	0.0	0.0	4.1	4.2	3.1	2.0	0.57
6	1.6	3.1	0.0	0.0	0.0	0.0	0.0	4.1	4.1	3.1	2.0	0.22
7	0.93	3.1	0.0	0.0	0.0	0.0	0.0	4.1	4.0	3.2	1.9	0.22
8	0.38	3.1	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.2	1.9	0.22
9	1.9	3.1	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.2	1.9	0.22
10	3.3	3.1	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.2	1.9	0.10
11	3.2	3.1	0.0	0.0	0.0	0.0	0.0	4.0	3.9	3.1	1.9	0.0
12	3.2	3.2	0.0	0.0	0.0	0.0	0.0	4.1	3.8	3.1	2.0	0.0
13	3.3	3.1	0.0	0.0	0.0	0.0	0.0	4.1	3.8	2.9	2.0	0.0
14	3.3	3.1	0.0	0.0	0.0	0.0	0.0	4.2	3.8	2.3	2.0	0.0
15	3.2	3.2	0.0	0.0	0.0	0.0	0.0	4.0	3.6	2.2	2.0	0.0
16	3.2	3.2	0.0	0.0	0.0	0.0	0.0	3.8	3.5	2.1	2.0	0.0
17	3.2	3.2	0.0	0.0	0.0	0.0	0.0	3.8	3.5	2.1	2.0	0.0
18	3.2	3.1	0.0	0.0	0.0	0.0	0.0	3.8	3.5	2.1	1.9	0.0
19	3.2	2.3	0.0	0.0	0.0	0.0	0.0	3.8	3.7	2.0	1.9	0.0
20	3.2	0.20	0.0	0.0	0.0	0.0	1.8	3.8	4.1	2.0	1.9	0.0
21	3.1	0.20	0.0	0.0	0.0	0.0	3.9	3.8	3.8	2.0	2.0	0.0
22	3.2	0.20	0.0	0.0	0.0	0.0	4.0	3.7	3.4	1.9	2.1	0.0
23	3.2	0.20	0.0	0.0	0.0	0.0	4.1	3.6	3.4	2.0	2.0	0.0
24	3.2	0.19	0.0	0.0	0.0	0.0	4.2	3.7	3.4	2.0	2.0	0.0
25	3.2	0.0	0.0	0.0	0.0	0.0	4.3	3.7	3.3	2.0	2.0	0.0
26	3.2	0.0	0.0	0.0	0.0	0.0	4.2	3.8	3.2	2.1	2.0	0.0
27	3.2	0.0	0.0	0.0	0.0	0.0	4.2	4.1	3.2	2.5	1.8	0.0
28	3.1	0.0	0.0	0.0	0.0	0.0	4.1	4.0	3.2	1.8	1.8	0.0
29	3.0	0.0	0.0	0.0	---	0.0	4.2	4.0	3.2	1.1	2.0	0.0
30	3.1	0.0	0.0	0.0	---	0.0	4.2	4.0	3.2	1.7	1.9	0.0
31	3.1	---	0.0	0.0	---	0.0	---	4.0	---	2.0	1.9	---
TOTAL	87.41	59.49	0.0	0.0	0.0	0.0	43.2	122.0	110.8	76.6	60.7	8.55
MEAN	2.82	1.98	0.0	0.0	0.0	0.0	1.44	3.94	3.69	2.47	1.96	0.28
AC-FT	173	118	0.0	0.0	0.0	0.0	86	242	220	152	120	17
MAX	3.3	3.2	0.0	0.0	0.0	0.0	4.3	4.2	4.2	3.2	2.1	1.9
MIN	0.38	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.2	1.1	1.8	0.0

CAL YR 1997 TOTAL 671.78 MEAN 1.84 MAX 7.4 MIN 0.00 AC-FT 1330
WTR YR 1998 TOTAL 568.75 MEAN 1.56 MAX 4.3 MIN 0.00 AC-FT 1130

MAX DISCH 6.9 CFS AT 0030 28-JUL-1998 GH 1.43 FT. SHIFT 0.00 FT. MAX GH 1.43 FT. AT 0030 28-JUL-1998

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-1997 TO 30-SEP-1998

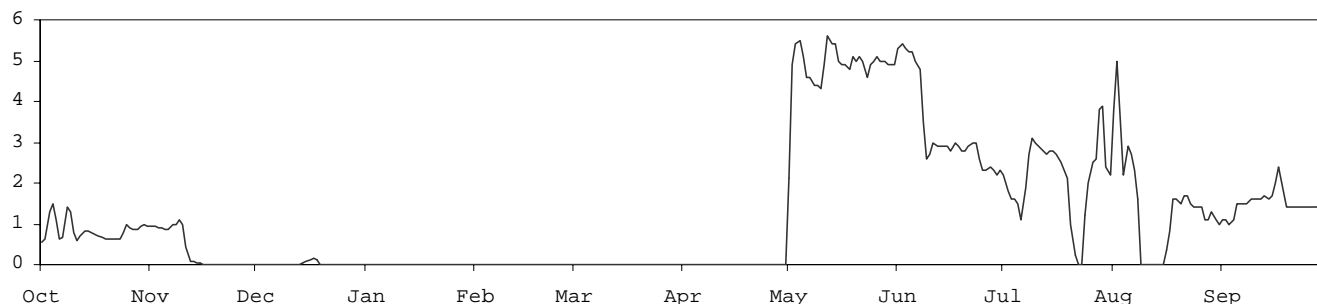
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.55	0.93	0.0	0.0	0.0	0.0	0.0	2.1	5.3	2.2	3.8	1.1
2	0.62	0.93	0.0	0.0	0.0	0.0	0.0	4.9	5.4	1.8	5.0	1.1
3	1.3	0.92	0.0	0.0	0.0	0.0	0.0	5.4	5.3	1.6	3.6	1.0
4	1.5	0.90	0.0	0.0	0.0	0.0	0.0	5.5	5.2	1.6	2.2	1.1
5	1.1	0.87	0.0	0.0	0.0	0.0	0.0	5.1	5.2	1.5	2.9	1.5
6	0.63	0.88	0.0	0.0	0.0	0.0	0.0	4.6	5.0	1.1	2.7	1.5
7	0.67	1.0	0.0	0.0	0.0	0.0	0.0	4.6	4.8	1.9	2.3	1.5
8	1.4	1.0	0.0	0.0	0.0	0.0	0.0	4.4	3.5	2.7	1.6	1.5
9	1.3	1.1	0.0	0.0	0.0	0.0	0.0	4.4	2.6	3.1	0.0	1.6
10	0.80	0.99	0.0	0.0	0.0	0.0	0.0	4.3	2.7	3.0	0.0	1.6
11	0.59	0.45	0.0	0.0	0.0	0.0	0.0	4.9	3.0	2.9	0.0	1.6
12	0.71	0.09	0.0	0.0	0.0	0.0	0.0	5.6	2.9	2.8	0.0	1.6
13	0.83	0.08	0.0	0.0	0.0	0.0	0.0	5.4	2.9	2.7	0.0	1.7
14	0.82	0.05	0.02	0.0	0.0	0.0	0.0	5.4	2.9	2.8	0.0	1.6
15	0.79	0.02	0.08	0.0	0.0	0.0	0.0	5.0	2.9	2.8	0.0	1.7
16	0.75	0.0	0.12	0.0	0.0	0.0	0.0	4.9	2.8	2.7	0.36	2.0
17	0.72	0.0	0.15	0.0	0.0	0.0	0.0	4.9	3.0	2.5	0.81	2.4
18	0.66	0.0	0.11	0.0	0.0	0.0	0.0	4.8	2.9	2.3	1.6	2.0
19	0.62	0.0	0.0	0.0	0.0	0.0	0.0	5.1	2.8	2.1	1.6	1.4
20	0.62	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.8	1.0	1.5	1.4
21	0.62	0.0	0.0	0.0	0.0	0.0	0.0	5.1	2.9	0.22	1.7	1.4
22	0.61	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.0	0.0	1.7	1.4
23	0.61	0.0	0.0	0.0	0.0	0.0	0.0	4.6	3.0	0.0	1.5	1.4
24	0.77	0.0	0.0	0.0	0.0	0.0	0.0	4.9	2.6	1.2	1.4	1.4
25	0.97	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.3	2.0	1.4	1.4
26	0.90	0.0	0.0	0.0	0.0	0.0	0.0	5.1	2.3	2.5	1.4	1.4
27	0.86	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.4	2.6	1.1	1.4
28	0.87	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.3	3.8	1.1	1.4
29	0.93	0.0	0.0	0.0	---	0.0	0.0	4.9	2.2	3.9	1.3	1.5
30	0.97	0.0	0.0	0.0	---	0.0	0.0	4.9	2.3	2.4	1.1	1.6
31	0.96	---	0.0	0.0	---	0.0	---	4.9	---	2.2	0.97	---
TOTAL	26.06	10.22	0.49	0.0	0.0	0.0	0.0	150.7	99.2	65.92	44.64	45.2
MEAN	0.84	0.34	0.02	0.0	0.0	0.0	0.0	4.86	3.31	2.13	1.44	1.51
AC-FT	52	20	0.98	0.0	0.0	0.0	0.0	299	197	131	89	90
MAX	1.5	1.1	0.15	0.0	0.0	0.0	0.0	5.6	5.4	3.9	5.0	2.4
MIN	0.55	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.2	0.0	0.0	1.0

CAL YR 1997 TOTAL 509.43 MEAN 1.40 MAX 6.1 MIN 0.00 AC-FT 1010
WTR YR 1998 TOTAL 442.44 MEAN 1.21 MAX 5.6 MIN 0.00 AC-FT 878

MAX DISCH 5.9 CFS AT 0745 12-MAY-1998 GH 0.82 FT. SHIFT 0.00 FT. MAX GH 0.82 FT. AT 0745 12-MAY-1998

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 and Sutron DCP and shaft encoder in a 42" concrete well and 64"x64" cement block shelter. The DCP is the primary record. Datum of gage is 5,975.15 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record from the DCP is complete. Any data missing from the initial satellite transmissions were filled in from the DCP's logger files. It is reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 13-18, 20-21, 25-31, 1997; Jan. 1, 7-8, 1998. 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-1997 TO 30-SEP-1998

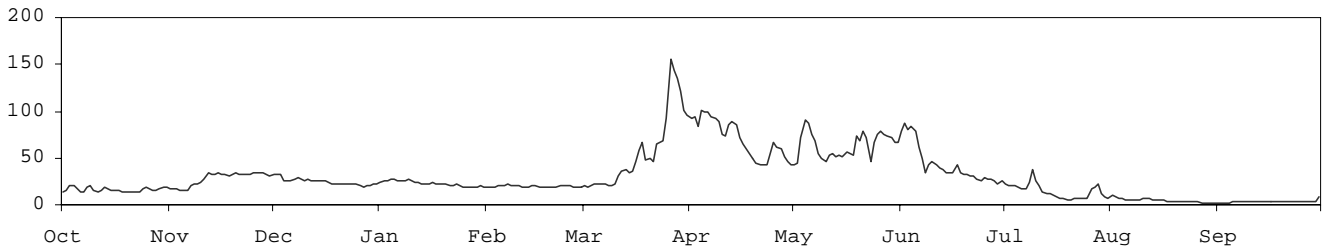
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	17	32	24	18	20	93	43	79	23	11	1.9
2	15	17	33	25	19	19	94	44	87	21	8.7	1.8
3	21	17	32	26	19	20	83	72	80	20	6.1	1.7
4	21	16	25	28	21	22	101	90	84	20	6.4	1.9
5	17	15	25	27	21	22	100	88	79	19	5.7	2.8
6	14	16	25	26	21	23	100	76	62	17	4.8	3.2
7	14	20	27	26	22	23	94	69	50	17	4.6	3.0
8	19	22	29	26	21	20	92	55	34	24	4.8	3.1
9	20	23	27	28	21	21	89	49	43	38	5.7	3.1
10	15	24	26	25	20	22	75	46	46	25	6.0	3.3
11	14	27	27	24	19	30	73	53	43	21	6.2	3.7
12	15	34	25	24	19	36	85	54	40	14	6.4	3.7
13	18	33	25	23	19	37	89	52	38	12	5.8	3.9
14	17	32	25	22	21	34	85	53	35	12	5.4	3.7
15	16	34	25	23	21	36	71	51	35	11	5.2	3.7
16	16	33	25	24	19	46	65	57	34	8.5	4.6	3.9
17	15	33	24	23	19	58	59	55	42	6.8	3.7	3.8
18	14	30	23	23	19	66	54	53	35	6.1	3.1	3.4
19	14	33	23	23	19	48	49	73	33	5.8	3.1	3.2
20	14	34	22	22	19	49	45	68	32	5.6	2.8	3.0
21	14	33	22	21	19	46	43	79	31	6.0	4.0	3.0
22	14	32	23	21	20	65	43	72	30	6.6	3.9	3.1
23	14	32	22	22	20	66	43	47	28	6.0	3.1	3.1
24	17	32	22	20	21	68	54	66	26	6.9	2.9	2.9
25	19	34	22	19	21	92	66	76	29	6.4	2.9	2.8
26	17	34	20	19	19	155	62	79	27	17	2.8	2.6
27	16	34	18	19	19	144	60	76	27	18	2.0	2.8
28	16	35	20	19	19	135	52	74	26	22	1.8	2.8
29	17	33	20	19	---	121	47	71	23	12	2.5	4.2
30	18	31	22	20	---	101	43	67	26	8.3	1.9	7.9
31	18	---	22	19	---	95	---	67	---	7.4	1.7	---
TOTAL	503	840	758	710	555	1740	2109	1975	1284	443.4	139.6	97.0
MEAN	16.2	28.0	24.5	22.9	19.8	56.1	70.3	63.7	42.8	14.3	4.50	3.23
AC-FT	998	1670	1500	1410	1100	3450	4180	3920	2550	879	277	192
MAX	21	35	33	28	22	155	101	90	87	38	11	7.9
MIN	14	15	18	19	18	19	43	43	23	5.6	1.7	1.7

CAL YR 1997 TOTAL 22366.9 MEAN 61.3 MAX 378 MIN 3.4 AC-FT 44360
WTR YR 1998 TOTAL 11154.0 MEAN 30.6 MAX 155 MIN 1.7 AC-FT 22120

MAX DISCH 173 CFS AT 0900 26-MAR-1998 GH 4.10 FT. SHIFT 0.00 FT. MAX GH 4.10 FT. AT 0900 26-MAR-1998

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 Dec. 14-17 and 30-31, 1997; Jan. 1 - March 14, 1998. Both recorder and shaft encoder malfunctioned March 17 to April 2, 1998. Station moved to a new location September 30, 1997. Record is reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 4-6, 10-13, 19-21 and 24-29, 1997. 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.--MANMANCO08 USED FROM 01-OCT-1997 TO 30-SEP-1998

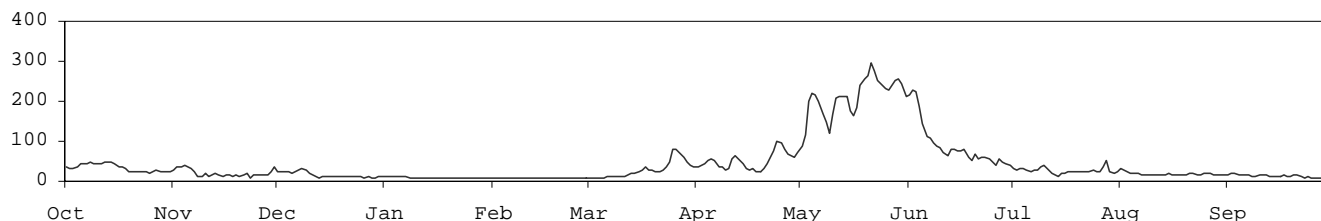
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	30	26	12	8.0	7.0	35	90	217	34	32	16
2	34	36	23	12	8.0	8.0	40	115	229	30	27	21
3	32	38	26	12	8.0	8.0	45	200	226	31	25	19
4	38	41	24	13	8.0	9.0	54	222	189	32	22	17
5	44	36	22	13	8.5	10	57	215	145	28	20	16
6	43	32	24	12	9.0	12	54	202	111	24	19	16
7	44	26	30	11	9.0	14	38	170	110	29	17	15
8	49	12	31	10	9.0	12	36	147	97	29	16	14
9	44	13	27	10	9.0	12	29	122	88	35	16	12
10	44	19	22	10	9.0	12	34	168	86	42	16	15
11	44	14	18	10	9.0	14	57	207	72	32	17	17
12	48	15	12	10	9.0	18	64	213	63	22	16	15
13	47	20	10	10	9.0	22	52	213	80	18	17	14
14	47	15	12	10	9.0	22	46	213	81	14	18	13
15	43	14	12	10	9.0	25	33	175	75	22	19	12
16	37	18	12	10	9.0	30	29	163	78	22	17	14
17	38	16	12	9.5	9.0	35	31	185	82	24	17	17
18	32	14	12	9.5	9.0	30	26	239	60	24	18	14
19	24	16	12	9.0	9.0	30	25	257	53	24	17	13
20	24	14	12	8.5	9.5	25	32	263	67	24	17	16
21	24	16	12	8.5	9.5	25	45	297	58	24	19	16
22	24	19	12	8.0	9.5	30	59	277	60	25	19	11
23	24	9.7	11	8.0	9.5	35	78	253	59	24	17	10
24	24	15	11	8.5	10	50	100	244	55	27	16	11
25	19	15	11	9.0	10	80	98	233	48	25	19	9.9
26	26	18	10	9.0	10	80	79	230	41	25	20	10
27	29	16	11	9.0	9.0	70	67	241	55	36	20	10
28	25	16	10	8.5	8.0	60	64	254	50	53	18	8.4
29	25	23	10	9.0	---	50	60	258	46	23	16	12
30	25	37	11	9.0	---	40	73	246	39	21	16	6.0
31	26	---	12	8.5	---	35	---	214	---	24	16	---
TOTAL	1063	623.7	500	306.5	251.5	910.0	1540	6526	2720	847	579	410.3
MEAN	34.3	20.8	16.1	9.89	8.98	29.4	51.3	211	90.7	27.3	18.7	13.7
AC-FT	2110	1240	992	608	499	1800	3050	12940	5400	1680	1150	814
MAX	49	41	31	13	10	80	100	297	229	53	32	21
MIN	19	9.7	10	8.0	8.0	7.0	25	90	39	14	16	6.0

CAL YR 1997 TOTAL 21828.3 MEAN 59.8 MAX 597 MIN 4.0 AC-FT 43300
WTR YR 1998 TOTAL 16277.0 MEAN 44.6 MAX 297 MIN 6.0 AC-FT 32290

MAX DISCH 322 CFS AT 2345 21-MAY-1998 GH 5.13 FT. SHIFT 0.00 FT. MAX GH 5.13 FT. AT 2345 21-MAY-1998

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



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