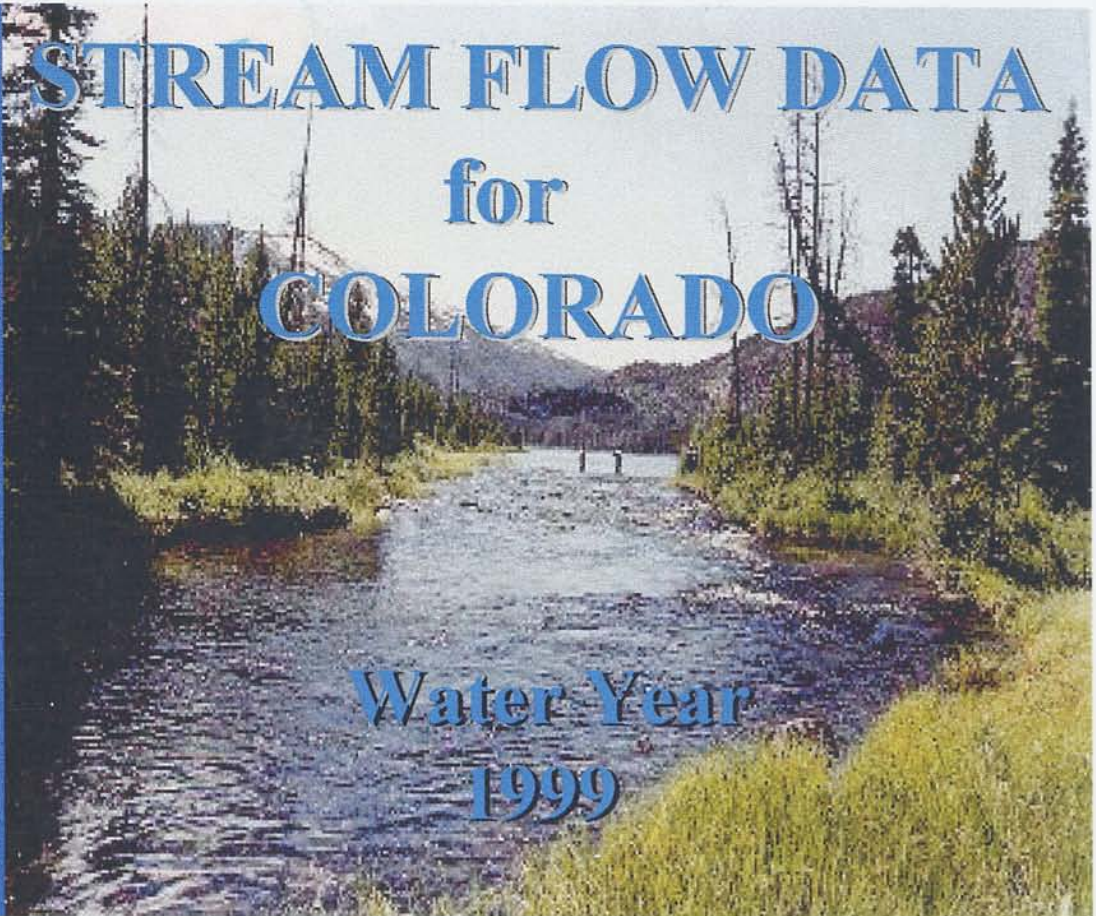


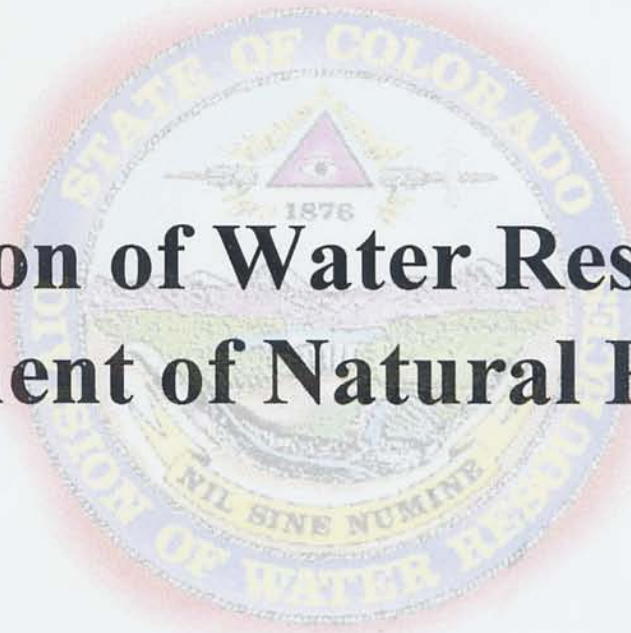


STREAM FLOW DATA for COLORADO



Water Year 1999

Compiled by the Hydrographic Branch
Edited by Jim McDanold



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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 concrete well and supplemental staff gage. Gage is owned and maintained by the Denver Water Dept.

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

RATING TABLE.--PLAANTCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

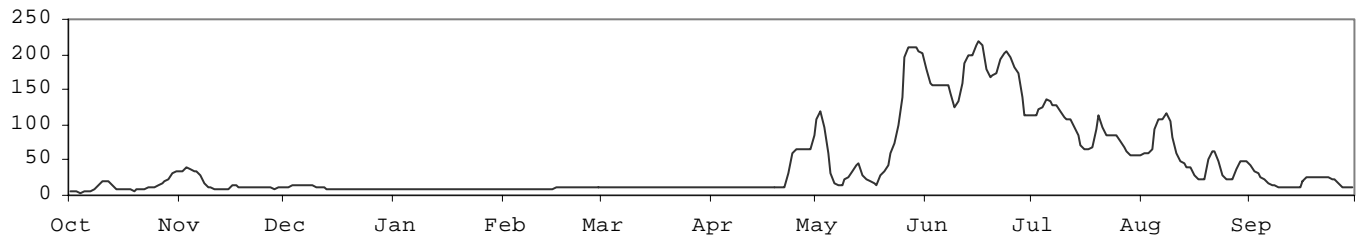
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	35	12	8.1	9.1	11	11	107	180	114	57	42
2	4.7	35	12	7.9	9.1	11	11	118	160	115	59	34
3	4.3	40	13	7.9	9.0	11	11	97	155	122	61	31
4	4.1	36	14	8.1	9.1	11	11	59	155	125	66	26
5	4.6	34	14	8.1	9.1	11	11	32	155	137	94	24
6	5.1	34	14	8.2	9.1	11	11	18	155	134	109	18
7	5.1	28	14	8.2	9.1	11	11	14	155	129	108	15
8	8.2	18	14	8.2	8.8	11	11	15	145	128	116	13
9	15	11	13	8.1	8.7	11	11	22	126	119	106	11
10	19	12	11	8.0	8.7	11	11	25	134	111	81	12
11	19	8.7	11	8.0	8.9	11	11	33	159	109	60	12
12	19	8.7	11	7.9	9.1	11	11	43	187	109	49	11
13	14	8.7	9.6	8.0	9.1	11	11	46	198	98	46	11
14	9.5	9.0	8.7	8.1	9.1	11	11	27	198	85	41	11
15	9.5	9.5	8.7	8.1	9.1	11	11	22	212	70	41	11
16	9.5	13	8.7	8.5	12	11	11	21	220	64	28	20
17	9.5	13	8.7	8.7	12	11	12	17	212	64	23	26
18	7.6	12	8.7	8.6	12	11	11	15	178	68	23	26
19	7.1	12	8.7	8.7	12	11	11	27	167	93	24	26
20	7.4	11	8.7	8.7	12	11	11	35	170	115	50	26
21	7.6	10	8.7	8.7	12	11	11	43	173	97	63	26
22	7.6	10	8.7	8.7	11	11	11	60	192	86	62	25
23	11	11	8.7	8.7	12	11	30	75	202	85	48	25
24	12	10	8.5	8.7	11	11	59	100	204	85	28	24
25	12	10	8.3	8.7	11	11	65	140	196	84	22	23
26	14	10	8.3	8.9	11	11	65	196	182	77	22	16
27	18	10	8.3	9.0	11	11	65	210	173	68	22	11
28	19	9.0	8.3	9.1	11	11	65	209	139	62	38	12
29	23	10	8.1	9.1	---	11	65	209	114	56	47	12
30	30	12	8.2	9.1	---	11	85	205	113	56	47	12
31	34	---	8.2	9.1	---	11	---	202	---	58	47	---
TOTAL	375.2	490.6	315.8	261.9	285.1	341	742	2442	5109	2923	1688	592
MEAN	12.1	16.4	10.2	8.45	10.2	11.0	24.7	78.8	170	94.3	54.5	19.7
AC-FT	744	973	626	519	565	676	1470	4840	10130	5800	3350	1170
MAX	34	40	14	9.1	12	11	85	210	220	137	116	42
MIN	4.1	8.7	8.1	7.9	8.7	11	11	14	113	56	22	11

CAL YR 1998 TOTAL 3165.0 MEAN 8.67 MAX 40 MIN 3.6 AC-FT 6280
WTR YR 1999 TOTAL 15565.6 MEAN 42.6 MAX 220 MIN 4.1 AC-FT 30870

MAX DISCH 221 CFS AT 1600 15-JUN-1999 GH 2.67 FT. SHIFT -0.03 FT. MAX GH 2.67 FT. AT 1600 15-JUN-1999

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 Nov. 12, 1998-Mar. 31, 1999 when the station was 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, which is estimated. Record developed by Rodger Burcher.

RATING TABLE.--PLASPICO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

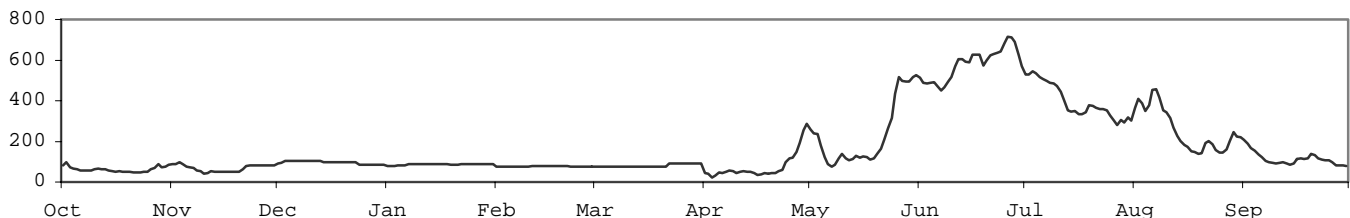
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	88	92	79	77	75	43	257	514	529	364	207
2	98	88	96	79	77	75	40	240	489	528	408	190
3	73	98	104	79	77	75	23	235	484	545	386	168
4	66	89	104	81	77	75	33	180	488	536	351	153
5	63	77	104	82	77	75	46	124	490	517	379	135
6	58	72	104	82	77	75	43	89	472	508	453	123
7	58	70	104	87	77	75	50	76	450	498	458	105
8	57	57	104	87	77	75	58	84	465	489	415	99
9	58	52	104	87	77	75	55	115	493	485	352	94
10	64	40	104	87	77	75	45	138	515	472	344	91
11	66	45	104	87	78	75	49	118	571	445	314	93
12	64	55	104	87	78	75	55	108	606	402	268	97
13	64	50	104	87	78	75	49	114	604	353	227	91
14	56	50	99	88	78	75	49	129	591	346	201	85
15	52	50	99	88	78	75	43	120	588	351	182	91
16	50	50	99	88	78	75	34	127	626	334	173	112
17	52	50	99	88	78	75	39	123	626	335	151	118
18	50	50	99	88	78	75	43	110	627	342	148	112
19	49	50	99	85	78	75	42	115	573	379	139	118
20	51	50	99	84	78	75	43	140	597	374	143	140
21	48	63	99	86	78	75	45	163	624	364	193	131
22	46	79	99	87	75	90	55	208	631	358	202	118
23	46	83	99	87	75	90	61	266	636	360	185	111
24	50	83	84	87	75	90	97	315	642	354	158	108
25	51	83	84	87	75	90	116	435	684	329	144	107
26	62	83	84	87	75	90	121	517	715	301	144	99
27	69	83	84	87	75	90	149	499	712	280	162	82
28	89	83	84	87	75	90	192	493	689	307	201	82
29	74	83	84	87	---	90	255	494	627	293	247	81
30	77	83	84	87	---	90	286	518	570	318	224	80
31	84	---	84	87	---	90	---	526	---	302	220	---
TOTAL	1928	2037	2994	2656	2153	2475	2259	7176	17399	12334	7936	3421
MEAN	62.2	67.9	96.6	85.7	76.9	79.8	75.3	231	580	398	256	114
AC-FT	3820	4040	5940	5270	4270	4910	4480	14230	34510	24460	15740	6790
MAX	98	98	104	88	78	90	286	526	715	545	458	207
MIN	46	40	84	79	75	75	23	76	450	280	139	80

CAL YR 1998 TOTAL	29748	MEAN	81.5	MAX	391	MIN	10	AC-FT	59010
WTR YR 1999 TOTAL	64768	MEAN	177	MAX	715	MIN	23	AC-FT	128500

MAX DISCH 725 CFS AT 1700 26-JUN-1999 GH 3.58 FT. SHIFT -0.01 FT. MAX GH 3.58 FT. AT 1700 26-JUN-1999

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 AND PERIOD OF RECORD.--880 mi²; 1933 to present.

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. Spinney Reservoir is 2 miles upstream. Spinney release keeps this gage open year round. Chart gage heights used Oct. 10-14, 1998; Aug. 27-31; Sep. 1-8, 1999 when problems occurred with the satellite system. Ice effect days of Dec. 7-8, 10-11, 15-16, 19-23, 25, 1998 and Jan. 3-4, 27, 29, 1999 were corrected back to the baseline stage present without loss of accuracy. Record is developed by Rodger Burcher.

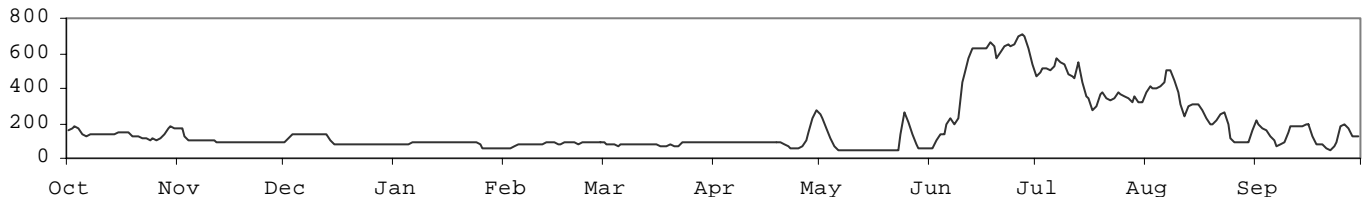
RATING TABLE.--PLAHARCO15 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	157	174	91	78	62	86	93	256	59	471	379	213
2	175	169	112	78	62	80	95	227	60	496	406	199
3	180	124	136	78	61	75	95	176	107	513	405	173
4	175	108	136	78	68	75	95	111	138	513	404	157
5	138	108	136	83	76	74	95	70	137	507	406	130
6	131	103	136	88	76	75	95	50	194	525	436	102
7	138	100	135	89	76	75	94	44	229	570	507	73
8	135	101	135	90	76	75	94	44	196	553	505	75
9	137	100	135	90	76	75	94	44	233	539	443	91
10	141	99	134	90	76	75	93	44	439	480	376	143
11	136	99	134	90	85	75	94	45	477	467	313	183
12	136	95	134	90	85	75	93	45	577	452	235	184
13	137	90	134	90	86	76	93	45	631	549	296	184
14	142	90	104	90	86	75	93	45	629	439	305	184
15	149	90	79	90	86	76	93	45	630	349	303	196
16	148	90	79	90	85	76	93	45	629	345	310	194
17	150	90	79	90	85	74	93	45	630	278	278	127
18	148	90	78	90	86	74	93	45	662	302	230	80
19	126	90	78	90	86	74	93	45	639	371	195	77
20	129	90	78	90	86	75	88	46	572	372	200	77
21	126	90	78	90	86	74	82	47	608	341	220	60
22	112	90	78	90	85	74	67	48	641	332	246	49
23	114	90	78	90	86	86	56	48	647	347	258	73
24	103	89	78	90	86	94	52	140	635	378	194	90
25	110	89	78	80	86	95	52	258	649	369	115	184
26	104	89	78	62	86	95	65	202	696	349	91	193
27	112	89	78	62	86	96	105	133	711	347	93	172
28	132	89	78	62	86	95	145	79	692	315	93	129
29	169	89	78	62	---	95	229	60	628	359	93	127
30	186	89	78	62	---	95	278	59	540	325	92	131
31	171	---	78	62	---	93	---	59	---	316	155	---
TOTAL	4347	2993	3121	2554	2252	2507	3000	2650	14315	12869	8582	4050
MEAN	140	99.8	101	82.4	80.4	80.9	100	85.5	477	415	277	135
AC-FT	8620	5940	6190	5070	4470	4970	5950	5260	28390	25530	17020	8030
MAX	186	174	136	90	86	96	278	258	711	570	507	213
MIN	103	89	78	62	61	74	52	44	59	278	91	49
CAL YR 1998 TOTAL		35584	MEAN	97.5	MAX	325	MIN	42	AC-FT	70580		
WTR YR 1999 TOTAL		63240	MEAN	173	MAX	711	MIN	44	AC-FT	125400		

MAX DISCH 719 CFS AT 1500 27-JUN-1999 GH 3.52 FT. SHIFT 0.03 FT. MAX GH 3.52 FT. AT 1500 27-JUN-1999

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°54'19", long 105°28'22". 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 taken from hourly satellite data and is complete and reliable. The record is good. Chart values were used for June 27-Aug. 5, 1999, when the shaft encoder was inoperative. Record developed by Rodger Burcher.

RATING TABLE.--PLAGEOCO4 USED FROM 01-OCT-1998 TO 30-SEP-1999

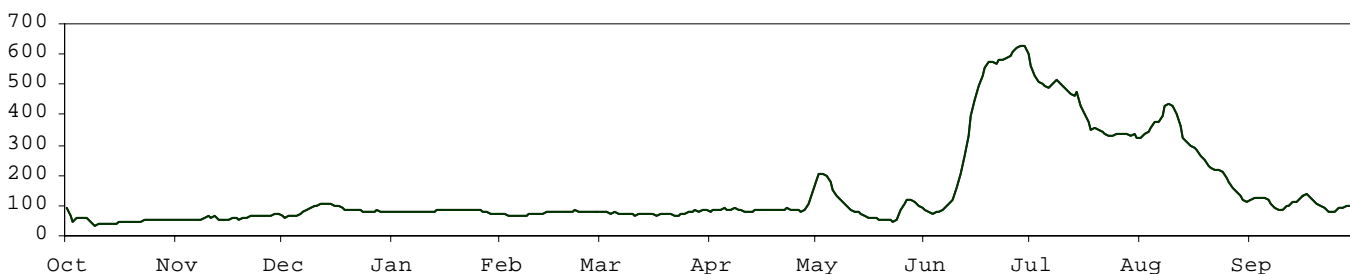
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	50	66	76	71	80	79	185	84	563	325	116
2	66	50	62	76	70	80	84	203	77	528	337	125
3	44	50	68	76	67	78	89	206	74	511	342	128
4	57	50	68	76	65	75	87	199	77	503	357	127
5	57	51	69	77	66	76	91	175	82	493	374	124
6	57	52	75	77	68	71	89	152	87	490	379	118
7	57	53	82	77	69	73	88	129	99	500	399	108
8	49	56	85	78	69	75	95	116	114	512	430	93
9	35	58	90	79	70	73	87	106	121	507	439	88
10	38	64	96	80	71	71	87	99	158	498	427	87
11	38	62	100	80	73	68	78	86	207	479	402	96
12	38	63	103	81	73	71	80	82	267	468	360	101
13	38	56	106	82	75	72	82	77	333	460	322	109
14	38	51	107	84	76	72	84	70	398	475	313	113
15	38	55	106	83	77	72	87	66	451	431	300	124
16	44	56	100	83	79	72	87	60	496	404	289	133
17	49	60	97	86	81	69	85	59	531	378	281	136
18	49	59	93	85	80	70	84	57	552	353	266	125
19	49	55	88	85	81	70	84	55	572	354	248	113
20	49	58	85	85	81	70	83	52	573	351	232	106
21	49	61	86	86	82	71	83	51	568	346	223	100
22	49	64	85	88	85	69	87	50	581	340	220	90
23	50	63	84	89	80	68	92	49	584	332	216	82
24	50	66	82	89	81	70	89	52	588	330	210	81
25	50	63	82	87	81	72	87	85	592	337	194	82
26	50	63	81	86	81	76	83	108	606	337	175	92
27	50	65	80	80	79	79	81	116	622	335	158	91
28	50	68	84	78	78	86	86	116	628	339	144	97
29	50	70	78	75	---	82	106	109	629	330	130	96
30	50	71	78	73	---	84	148	101	603	340	117	96
31	50	---	76	72	---	83	---	94	---	321	110	---
TOTAL	1528	1763	2642	2509	2109	2298	2652	3165	11354	12945	8719	3177
MEAN	49.3	58.8	85.2	80.9	75.3	74.1	88.4	102	378	418	281	106
AC-FT	3030	3500	5240	4980	4180	4560	5260	6280	22520	25680	17290	6300
MAX	90	71	107	89	85	86	148	206	629	563	439	136
MIN	35	50	62	72	65	68	78	49	74	321	110	81

CAL YR 1998 TOTAL 35109 MEAN 96.2 MAX 351 MIN 30 AC-FT 69640
WTR YR 1999 TOTAL 54861 MEAN 150 MAX 629 MIN 35 AC-FT 108800

MAX DISCH 657 CFS AT 1600 28-JUN-1999 GH 4.57 FT. SHIFT 0.00 FT. MAX GH 4.57 FT. AT 1600 28-JUN-1999

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 AND PERIOD OF RECORD.--1,752 mi². Oct.1, 1924-May13, 1956 at site 370 feet upstream and 0.50 ft. higher. May 14, 1956 to present at current site. Unreliable record from 1909 to 1924 unpublished.

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. Record is reliable and complete. Satellite data agrees with chart data within 0.02 foot. The record is good. Record developed by Rodger Burcher.

RATING TABLE.--PLACHECO11 USED FROM 01-OCT-1998 TO 30-SEP-1999

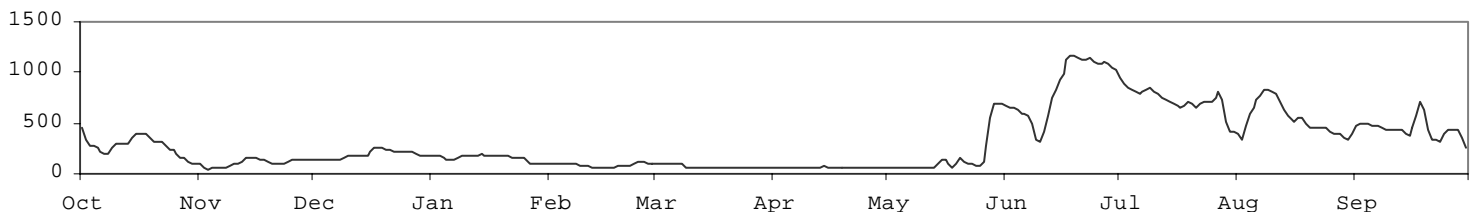
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	448	96	133	175	99	106	50	53	664	952	393	473
2	341	63	134	174	99	106	50	54	646	888	342	493
3	282	48	134	175	99	106	51	54	646	843	470	485
4	282	54	133	157	99	106	52	54	622	824	590	484
5	265	54	134	138	99	105	51	54	601	807	655	483
6	218	54	134	132	99	104	51	54	601	794	740	481
7	196	54	134	132	99	104	52	54	570	810	778	479
8	197	54	133	158	98	93	52	54	488	824	833	450
9	249	73	163	174	85	66	52	54	329	839	836	432
10	294	92	182	174	78	56	52	54	306	815	817	432
11	292	92	181	174	70	59	52	54	413	780	796	430
12	292	127	181	174	60	54	52	54	572	752	710	429
13	291	152	181	187	60	50	65	54	742	724	627	427
14	350	153	181	198	60	50	73	103	832	707	577	400
15	388	154	181	182	59	50	59	148	918	696	539	379
16	388	154	210	172	59	50	51	148	987	667	520	449
17	387	139	247	172	60	51	51	97	1120	651	552	582
18	385	130	247	172	60	52	51	51	1170	671	554	713
19	347	112	247	172	72	52	51	101	1160	717	487	626
20	318	102	246	172	79	52	51	150	1140	700	449	443
21	314	102	229	172	79	52	51	125	1120	654	449	342
22	313	102	219	162	79	54	51	99	1120	697	450	342
23	272	103	218	150	104	56	51	99	1150	716	450	324
24	239	120	218	150	126	56	51	84	1110	716	450	389
25	237	132	218	149	126	56	51	73	1080	715	414	438
26	190	132	218	130	114	53	51	113	1090	759	392	437
27	151	132	218	107	106	50	51	282	1110	815	390	435
28	153	132	192	99	106	50	51	554	1080	727	391	435
29	122	132	176	99	---	50	51	699	1050	517	354	353
30	96	132	176	99	---	50	53	700	1020	422	332	258
31	96	---	175	99	---	50	---	700	---	421	396	---
TOTAL	8393	3176	5773	4780	2433	2049	1581	5027	25457	22620	16733	13323
MEAN	271	106	186	154	86.9	66.1	52.7	162	849	730	540	444
AC-FT	16650	6300	11450	9480	4830	4060	3140	9970	50490	44870	33190	26430
MAX	448	154	247	198	126	106	73	700	1170	952	836	713
MIN	96	48	133	99	59	50	50	51	306	421	332	258

CAL YR 1998 TOTAL 92149 MEAN 252 MAX 743 MIN 48 AC-FT 182800
WTR YR 1999 TOTAL 111345 MEAN 305 MAX 1170 MIN 48 AC-FT 220900

MAX DISCH 1198 CFS AT 0900 23-JUN-1999 GH 4.74 FT. SHIFT 0.01 FT. MAX GH 4.74 FT. AT 0900 23-JUN-1999

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 AND PERIOD OF RECORD.--127 mi²; 1948 to present.

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 shaft encoder was accurate to ± 0.01 ft. so no corrections were entered. The record is reliable, except for the following periods: Dec. 7-31, 1998-Jan. 1-17, 1999, when the stage-discharge relationship was affected by ice on the control. Hourly chart values were used for Oct. 2-6, 1998. Record good except for winter period Dec. 7-31, 1998-Jan. 1-17, 1999, which is estimated. Record developed by Rodger Burcher.

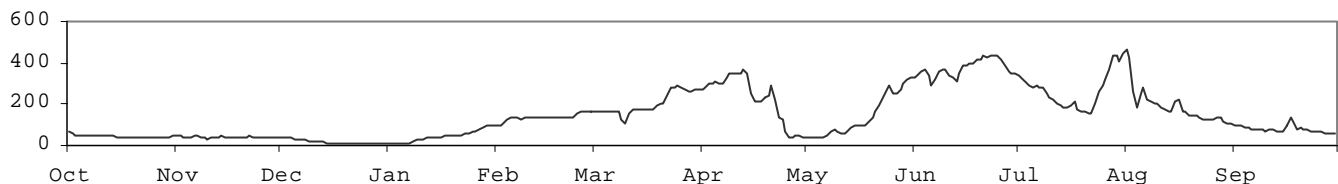
RATING TABLE.--RATING TABLE PLAGRAC011 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	46	35	14	99	164	268	38	326	338	464	98
2	60	45	36	14	99	163	282	36	342	324	421	97
3	53	42	36	14	106	164	304	42	357	307	260	94
4	53	36	35	14	130	163	304	41	365	289	185	88
5	48	35	30	14	133	163	305	38	334	276	256	85
6	49	47	25	14	131	163	301	38	292	288	281	81
7	51	52	25	14	131	164	303	44	323	279	219	78
8	51	41	25	21	130	163	332	63	362	280	210	75
9	49	38	23	27	133	124	349	76	365	255	202	73
10	48	31	23	30	134	110	347	72	369	237	204	72
11	46	36	21	33	132	157	348	60	337	224	185	74
12	44	42	22	35	133	175	352	61	328	206	176	73
13	44	43	20	36	134	174	367	75	312	192	165	68
14	45	44	13	38	137	174	345	91	346	188	164	66
15	42	43	13	40	138	174	252	95	389	180	212	67
16	39	42	13	41	136	175	210	98	383	195	220	97
17	39	41	13	44	137	176	214	92	398	213	162	134
18	37	41	13	46	138	176	216	96	400	174	160	112
19	37	36	13	47	138	194	231	112	418	166	148	81
20	38	34	13	47	138	205	242	132	412	164	147	91
21	39	40	13	49	139	207	290	165	435	152	150	81
22	39	44	13	53	140	245	225	197	426	152	140	77
23	38	39	13	56	139	277	139	237	440	200	130	72
24	37	38	13	60	157	282	124	272	440	261	124	70
25	37	38	13	64	164	289	69	291	440	289	122	70
26	41	38	14	68	162	276	35	252	412	318	124	64
27	43	37	14	76	163	267	37	252	384	369	135	61
28	43	38	14	87	164	264	44	270	361	433	134	61
29	40	36	14	97	---	264	48	296	350	439	120	61
30	42	35	14	101	---	269	43	317	346	409	109	60
31	46	---	14	99	---	270	---	333	---	442	102	---
TOTAL	1386	1198	596	1393	3815	6231	6926	4282	11192	8239	5831	2381
MEAN	44.7	39.9	19.2	44.9	136	201	231	138	373	266	188	79.4
AC-FT	2750	2380	1180	2760	7570	12360	13740	8490	22200	16340	11570	4720
MAX	68	52	36	101	164	289	367	333	440	442	464	134
MIN	37	31	13	14	99	110	35	36	292	152	102	60
CAL YR 1998 TOTAL	36634		MEAN	100	MAX	720	MIN	13	AC-FT	72660		
WTR YR 1999 TOTAL	53470		MEAN	146	MAX	464	MIN	13	AC-FT	106100		

MAX DISCH 559 CFS AT 2100 28-JUL-1999 GH 1.84 FT. SHIFT 0.00 FT. MAX GH 1.84 FT. AT 2100 28-JUL-1999

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 AND PERIOD OF RECORD.--2,579 mi²; 1910 to present.

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. Chart record used Jan. 9-25, 1999 when the shaft encoder malfunctioned and Aug. 6, 8, 1999 and Sep. 18-20, 1999 when encoder and pen corrections caused discrepancies. Stage discharge relationship was ice affected Dec. 21-28, 1998. Record is good except for ice effect days, which are estimated. Station maintained and record developed by Rodger L. Burcher.

RATING TABLE.--PLASPLCO15 USED FROM 01-OCT-1998 TO 30-SEP-1999

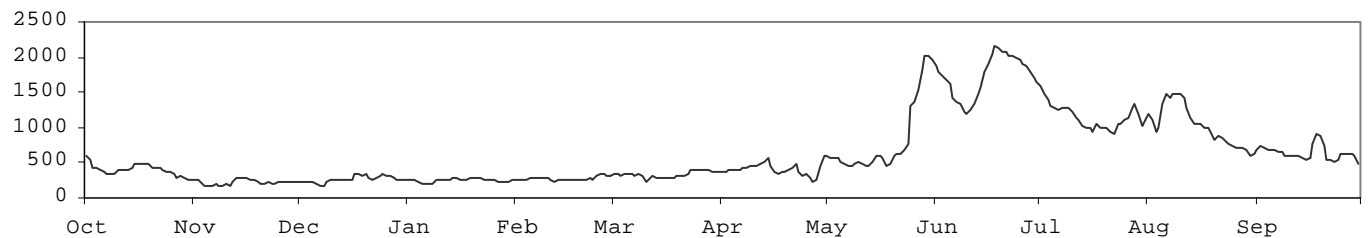
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	600	256	228	248	249	330	377	595	1870	1580	1200	693
2	547	252	227	244	255	329	379	571	1790	1480	1120	726
3	422	202	227	246	248	325	402	576	1730	1380	951	715
4	417	183	225	234	246	332	397	568	1690	1320	986	694
5	408	168	222	205	284	333	407	519	1610	1270	1330	684
6	369	173	211	194	281	328	402	474	1430	1250	1470	677
7	334	187	181	196	288	326	414	449	1370	1280	1420	664
8	334	182	169	211	287	331	427	448	1340	1270	1490	641
9	344	184	215	248	289	301	466	490	1230	1280	1480	597
10	409	189	246	246	277	222	462	525	1200	1220	1490	593
11	405	178	245	248	259	248	466	485	1250	1140	1410	598
12	400	225	250	254	240	303	476	459	1330	1100	1270	600
13	403	278	250	262	268	288	498	457	1480	1030	1140	603
14	429	285	253	274	252	291	561	503	1570	989	1050	575
15	496	279	257	276	248	294	465	595	1780	982	1040	545
16	494	275	267	262	249	293	357	609	1890	941	1040	581
17	492	263	330	262	263	294	352	572	2040	1040	985	759
18	488	243	336	262	255	295	363	461	2150	983	981	912
19	469	230	324	271	256	299	365	470	2120	1000	878	882
20	426	190	333	274	265	320	390	585	2060	985	837	738
21	425	202	278	271	266	322	412	613	2060	924	867	541
22	422	221	260	271	274	334	476	634	2020	923	842	547
23	407	213	287	248	267	396	377	682	2020	1040	795	505
24	357	211	301	262	321	398	323	765	1990	1060	771	534
25	364	233	327	265	340	399	350	1310	1950	1110	735	621
26	353	234	323	258	336	400	272	1370	1900	1130	711	623
27	291	234	308	228	325	394	240	1540	1870	1280	714	621
28	316	232	296	219	323	387	258	1820	1790	1340	711	631
29	295	234	246	220	---	381	448	2020	1710	1190	685	592
30	245	231	246	239	---	382	587	2010	1650	1030	608	480
31	244	---	248	253	---	371	---	1970	---	1150	618	---
TOTAL	12405	6667	8116	7651	7711	10246	12169	25145	51890	35697	31625	19172
MEAN	400	222	262	247	275	331	406	811	1730	1152	1020	639
AC-FT	24610	13220	16100	15180	15290	20320	24140	49880	102900	70800	62730	38030
MAX	600	285	336	276	340	400	587	2020	2150	1580	1490	912
MIN	244	168	169	194	240	222	240	448	1200	923	608	480

CAL YR 1998 TOTAL 195873 MEAN 537 MAX 1510 MIN 168 AC-FT 388500
WTR YR 1999 TOTAL 228494 MEAN 626 MAX 2150 MIN 168 AC-FT 453200

MAX DISCH 2228 CFS AT 0600 18-JUN-1999 GH 5.61 FT. SHIFT 0.00 FT. MAX GH 5.61 FT. AT 0600 18-JUN-1999

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. A few missing hours were entered from chart data. The record is rated as good. Flow regulated by Strontia Springs Reservoir. Station maintained and record developed by Robert E. Cooper.

RATING TABLE.--PLASTRCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

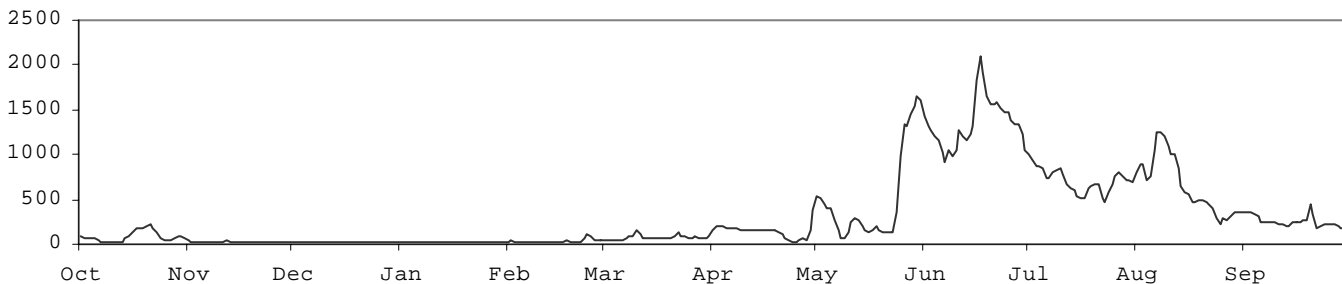
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	43	32	32	32	55	153	529	1420	1010	794	351
2	78	31	32	32	34	55	193	513	1310	933	893	359
3	78	31	33	32	32	55	201	440	1270	872	900	355
4	78	32	32	32	32	55	198	398	1210	873	718	336
5	78	32	32	32	32	55	185	396	1170	850	761	308
6	49	31	32	32	32	55	180	271	1030	729	1060	251
7	32	31	32	32	32	75	180	154	905	740	1250	243
8	32	31	32	32	32	82	180	71	1050	802	1240	250
9	31	32	32	32	32	82	167	69	991	832	1200	242
10	31	31	32	32	32	156	159	133	1060	845	1090	242
11	31	31	32	32	33	113	158	255	1270	776	1010	221
12	31	34	32	32	33	75	155	281	1200	669	1010	216
13	32	31	32	32	32	72	151	273	1160	632	848	212
14	62	31	32	32	33	74	152	194	1230	593	657	210
15	99	31	32	32	32	73	154	156	1320	529	584	240
16	139	31	32	32	32	73	155	135	1830	508	566	240
17	170	31	32	32	32	73	155	166	2090	513	477	238
18	170	32	32	32	38	72	150	205	1910	623	469	258
19	171	32	32	32	32	72	148	158	1650	649	494	272
20	201	32	32	32	32	71	136	132	1560	680	492	450
21	217	32	32	32	32	89	113	134	1570	659	472	330
22	189	32	32	32	32	128	68	133	1580	508	448	188
23	141	32	32	32	71	97	54	138	1510	476	392	211
24	69	32	32	32	114	80	30	346	1480	577	284	224
25	50	32	32	32	88	78	30	988	1480	670	233	222
26	50	32	32	32	47	78	46	1330	1390	758	280	224
27	40	32	32	32	48	79	60	1310	1340	807	258	221
28	72	32	32	32	55	78	50	1440	1330	760	319	202
29	99	32	32	32	---	78	155	1540	1230	708	357	188
30	97	32	32	32	---	78	375	1650	1060	705	356	184
31	73	---	32	32	---	90	---	1610	---	702	354	---
TOTAL	2772	961	993	992	1138	2446	4291	15548	40606	21988	20266	7688
MEAN	89.4	32.0	32.0	32.0	40.6	78.9	143	502	1354	709	654	256
AC-FT	5500	1910	1970	1970	2260	4850	8510	30840	80540	43610	40200	15250
MAX	217	43	33	32	114	156	375	1650	2090	1010	1250	450
MIN	31	31	32	32	32	55	30	69	905	476	233	184

CAL YR 1998 TOTAL 79787 MEAN 219 MAX 802 MIN 31 AC-FT 158300
WTR YR 1999 TOTAL 119689 MEAN 328 MAX 2090 MIN 30 AC-FT 237400

MAX DISCH 2189 CFS AT 1500 16-JUN-1999 GH 6.45 FT. SHIFT -0.28 FT. MAX GH 6.45 FT. AT 1500 16-JUN-1999

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 AND PERIOD OF RECORD.--2,621 mi²; 1926 to present.

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

REMARKS.--Primary record is hourly satellite record. The record is complete and reliable except for Dec. 8-12, 20-28, 1998; Jan. 1-5, 14, 1999 when ice accumulated on the control. The record is good except for ice periods, which are estimated. Station maintained and record developed by Robert E. Cooper.

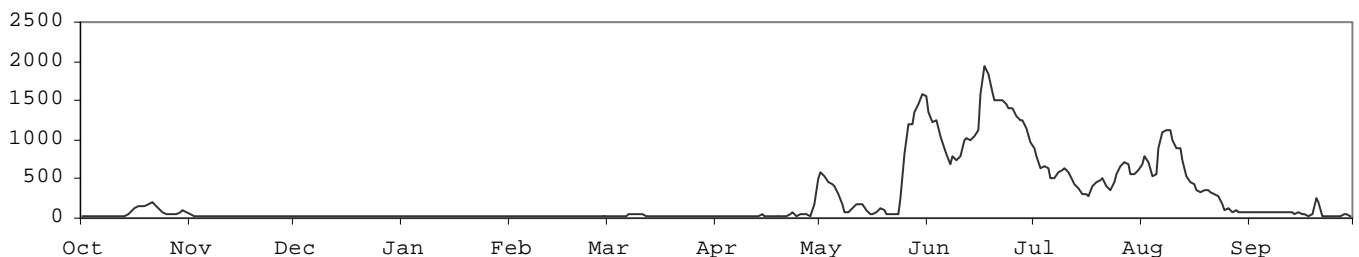
RATING TABLE.--PLAWATCO09 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	49	30	33	30	36	36	582	1350	894	698	67
2	30	32	30	33	32	36	32	534	1230	780	784	71
3	30	32	31	31	30	36	37	465	1250	642	719	72
4	30	32	31	31	31	36	36	425	1050	656	524	72
5	31	31	31	31	31	38	32	418	980	640	561	75
6	33	31	32	31	32	38	31	297	810	522	882	85
7	31	31	31	31	32	41	31	168	683	516	1100	79
8	31	31	31	31	32	45	31	87	802	589	1120	81
9	32	32	31	31	32	45	31	72	749	619	1110	79
10	30	30	31	31	30	47	31	127	799	637	993	73
11	31	30	31	31	32	44	31	188	984	580	901	69
12	31	31	31	31	30	37	30	182	1010	475	898	68
13	30	30	31	31	32	34	32	178	990	427	747	64
14	49	30	30	31	31	36	39	103	1050	388	548	63
15	89	30	30	31	32	34	38	61	1110	318	464	71
16	124	30	30	31	33	34	38	61	1590	312	446	55
17	165	31	30	31	32	34	37	84	1950	280	358	40
18	164	31	30	31	38	34	34	128	1840	402	331	33
19	164	31	32	31	31	34	31	93	1600	463	360	51
20	189	31	33	31	31	33	33	60	1510	485	361	253
21	209	31	33	32	32	33	32	62	1500	522	343	208
22	189	31	33	32	32	37	53	61	1510	415	318	38
23	134	31	33	34	34	36	64	61	1460	360	270	37
24	73	31	33	34	31	33	37	251	1410	469	170	37
25	51	31	33	34	36	31	39	825	1400	570	94	34
26	51	31	33	33	36	31	40	1210	1310	661	131	36
27	48	31	33	33	36	31	42	1210	1260	712	80	37
28	56	30	33	30	36	31	37	1360	1260	677	91	43
29	89	31	33	31	---	31	168	1460	1150	569	69	40
30	90	31	33	33	---	30	499	1590	963	551	70	34
31	74	---	33	32	---	38	---	1560	---	618	69	---
TOTAL	2412	945	980	982	907	1114	1682	13963	36560	16749	15610	2065
MEAN	77.8	31.5	31.6	31.7	32.4	35.9	56.1	450	1219	540	504	68.8
AC-FT	4780	1870	1940	1950	1800	2210	3340	27700	72520	33220	30960	4100
MAX	209	49	33	34	38	47	499	1590	1950	894	1120	253
MIN	30	30	30	30	30	30	30	60	683	280	69	33
CAL YR 1998 TOTAL	57005		MEAN	156	MAX	709	MIN	30	AC-FT	113100		
WTR YR 1999 TOTAL	93969		MEAN	257	MAX	1950	MIN	30	AC-FT	186400		

MAX DISCH 2396 CFS AT 1200 03-JUN-1999 GH 3.46 FT. SHIFT 0.00 FT. MAX GH 3.46 FT. AT 1200 03-JUN-1999

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. The satellite is the primary record with the recorder chart as back up. The record is fair due to variations in shifts obtained using the current rating table. Also, flows less than 10 cfs would be classed as poor because they were not adequately defined by measurements. Station maintained and record developed by Robert E Cooper.

RATING TABLE.--PLACHACO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

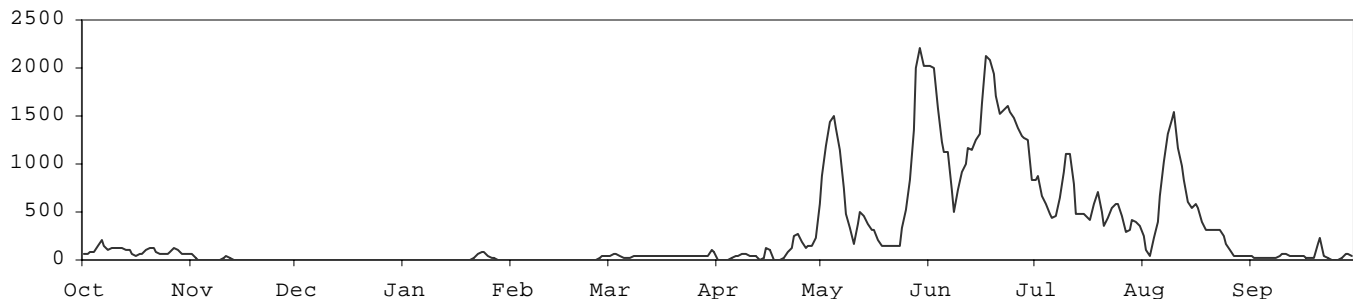
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	55	0.92	0.20	9.1	44	7.8	871	2020	840	252	33
2	71	21	0.90	0.20	8.9	54	7.8	1180	1990	870	112	16
3	82	1.4	0.89	0.20	8.9	54	7.8	1440	1590	665	51	16
4	82	1.4	0.92	0.20	8.9	41	7.8	1490	1230	584	229	16
5	145	1.2	0.91	0.20	8.9	26	12	1370	1120	489	404	16
6	208	1.1	0.81	0.20	9.1	26	35	1150	1120	439	661	16
7	147	1.3	0.83	0.20	10	26	52	744	719	455	1030	15
8	104	1.2	0.94	0.20	6.0	32	59	481	495	642	1320	25
9	116	1.2	0.82	0.20	0.85	45	60	325	732	927	1450	35
10	125	11	0.53	0.20	0.71	50	51	164	922	1110	1550	55
11	125	32	0.30	0.20	0.92	50	50	376	1000	1110	1170	65
12	125	16	0.29	0.20	0.78	51	32	496	1160	796	987	33
13	105	4.7	0.32	0.20	0.68	50	6.4	448	1150	489	842	34
14	95	4.7	0.29	0.20	0.56	50	13	383	1250	487	596	34
15	62	4.6	0.29	0.20	0.61	50	120	312	1310	485	549	35
16	52	1.7	0.29	0.20	0.68	49	99	312	1630	434	582	35
17	66	0.01	0.26	0.20	0.70	41	9.1	203	2120	422	541	30
18	66	0.0	0.29	0.21	0.60	36	8.9	153	2090	573	404	25
19	95	1.2	0.31	0.20	0.48	36	8.9	153	1940	709	309	24
20	129	4.8	0.34	0.18	0.47	35	25	154	1700	493	311	158
21	129	4.7	0.29	13	0.47	35	82	153	1520	362	312	237
22	88	4.5	0.29	55	0.49	35	131	153	1570	442	312	47
23	54	2.8	0.28	78	0.46	37	257	153	1600	532	315	26
24	67	1.0	0.29	78	0.47	38	277	324	1540	577	248	7.8
25	67	1.0	0.25	49	0.54	38	182	531	1470	576	174	7.8
26	82	0.94	0.28	14	19	38	122	828	1380	466	101	7.5
27	130	0.99	0.27	11	36	38	140	1360	1300	302	50	21
28	114	0.93	0.26	8.5	35	38	155	2010	1270	321	50	71
29	55	0.93	0.27	8.5	---	38	224	2210	1260	425	49	67
30	55	0.93	0.21	8.5	---	99	582	2030	836	404	49	37
31	55	---	0.20	8.8	---	75	---	2030	---	355	49	---
TOTAL	2960	184.22	14.33	336.29	170.27	1355	2824.5	23987	41034	17781	15059	1245.1
MEAN	95.5	6.14	0.46	10.8	6.08	43.7	94.2	774	1368	574	486	41.5
AC-FT	5870	365	28	667	338	2690	5600	47580	81390	35270	29870	2470
MAX	208	55	0.94	78	36	99	582	2210	2120	1110	1550	237
MIN	52	0.0	0.20	0.18	0.46	26	6.4	153	495	302	49	7.5

CAL YR 1998 TOTAL 79285.13 MEAN 217 MAX 1440 MIN 0.00 AC-FT 157300
WTR YR 1999 TOTAL 106950.71 MEAN 293 MAX 2210 MIN 0.00 AC-FT 212100

MAX DISCH 2372 CFS AT 1530 28-MAY-1999 GH 5.34 FT. SHIFT 0.02 FT. MAX GH 5.34 FT. AT 1530 28-MAY-1999

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°11'42, 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 hourly satellite record is the primary record. Record is complete except for the following periods: Dec. 7, 1998-Feb. 23, 1999 reported data was unreliable to an unknown and variable amount of ice affect; Mar. 5; May 13, 1999 due to ice affect and flush correction respectively. These periods estimated and rated as poor. The remainder of year rated good. Station maintained and record developed by Rodger Burcher.

RATING TABLE.--BCRMORCO20 USED FROM 01-OCT-1998 TO 30-SEP-1999

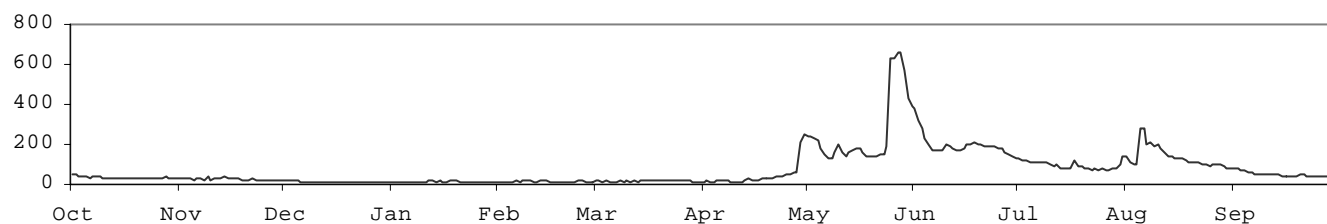
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	33	19	12	12	17	15	243	378	129	137	81
2	48	34	21	12	14	17	17	236	323	122	115	76
3	40	33	17	12	15	10	9.9	231	282	117	100	75
4	41	31	18	12	13	16	15	217	230	112	103	71
5	38	25	16	13	14	14	20	180	196	106	279	65
6	34	28	15	13	16	12	18	150	174	106	279	58
7	37	32	12	13	15	12	21	135	166	109	205	53
8	36	23	12	13	16	19	22	133	171	110	213	51
9	36	36	12	13	16	13	15	157	173	109	190	51
10	34	22	12	14	19	16	15	201	200	99	200	48
11	33	30	12	15	11	15	6.3	158	187	95	181	50
12	31	30	12	17	13	16	14	136	181	99	164	50
13	31	31	12	17	17	13	16	158	168	84	144	49
14	31	38	12	14	19	18	30	175	169	82	141	46
15	31	33	12	17	17	23	25	177	183	82	134	45
16	31	30	12	14	15	20	19	180	197	83	126	44
17	32	29	12	14	15	19	22	159	203	116	130	41
18	30	28	12	16	14	18	28	143	212	93	122	40
19	30	21	12	16	13	20	28	139	203	87	113	43
20	32	17	12	16	10	21	30	142	199	85	113	52
21	32	23	12	15	10	20	31	140	190	77	115	49
22	31	32	12	13	11	20	44	146	187	73	113	42
23	31	25	12	13	11	18	39	155	190	84	102	40
24	33	23	12	13	16	18	37	188	194	69	96	39
25	31	25	12	13	16	18	52	630	185	77	95	38
26	30	24	12	13	15	18	52	629	176	70	99	37
27	32	24	12	13	11	20	62	656	164	71	97	37
28	44	24	12	13	14	18	65	658	146	80	98	39
29	33	25	12	13	---	15	209	569	139	82	94	38
30	31	20	12	13	---	15	250	428	133	97	83	41
31	33	---	12	13	---	15	---	388	---	136	79	---
TOTAL	1065	829	406	428	398	524	1227.2	8037	5899	2941	4260	1489
MEAN	34.4	27.6	13.1	13.8	14.2	16.9	40.9	259	197	94.9	137	49.6
AC-FT	2110	1640	805	849	789	1040	2430	15940	11700	5830	8450	2950
MAX	48	38	21	17	19	23	250	658	378	136	279	81
MIN	30	17	12	12	10	10	6.3	133	133	69	79	37

CAL YR 1998 TOTAL 30611 MEAN 83.9 MAX 455 MIN 11 AC-FT 60720
WTR YR 1999 TOTAL 27503.2 MEAN 75.4 MAX 658 MIN 6.3 AC-FT 54550

MAX DISCH 911 CFS AT 1500 25-MAY-1999 GH 6.18 FT. SHIFT 0.30 FT. MAX GH 6.18 FT. AT 1500 25-MAY-1999

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 satellite record is the primary record. The record is complete and reliable and rated as good except for the following periods: Dec. 20-22, 1998; Feb. 12, 1999 when stage-discharge relationship affected by ice. Jan. 14-Feb. 24, 1999 when debris collected on the control, which are estimated. Station maintained and record developed by Robert E. Cooper.

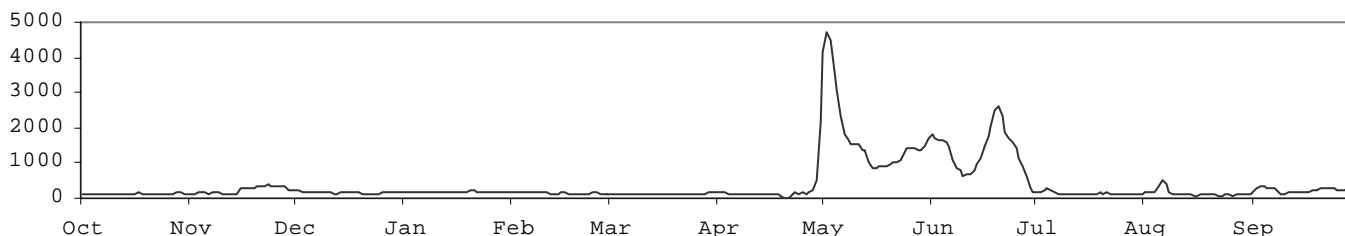
RATING TABLE.--BCRSHECO32 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	44	32	30	25	24	8.3	566	450	127	197	91
2	55	43	32	29	24	18	15	532	360	120	148	85
3	47	33	33	29	25	13	9.8	434	322	111	114	82
4	46	27	30	27	24	11	9.1	388	296	108	235	78
5	45	23	31	28	25	13	8.9	314	268	102	409	67
6	40	21	28	28	25	12	10	269	244	99	324	59
7	39	33	26	28	26	12	8.5	263	217	99	284	53
8	39	23	19	27	26	12	8.3	237	203	82	287	48
9	38	28	22	25	26	13	8.0	236	201	95	261	45
10	37	21	26	25	29	13	6.8	262	230	86	254	43
11	35	17	26	26	28	13	5.5	256	253	81	244	43
12	35	16	25	27	20	15	6.7	221	236	93	203	46
13	34	15	30	25	24	15	16	192	208	77	181	46
14	35	15	34	24	27	14	41	195	200	68	162	43
15	34	18	33	25	26	14	38	198	232	69	152	42
16	35	29	34	25	24	13	26	229	246	67	144	43
17	37	31	35	25	22	11	24	229	240	98	143	39
18	37	32	34	24	23	8.9	20	193	255	92	146	36
19	37	34	31	26	23	7.9	16	175	235	93	120	95
20	35	30	25	25	23	7.5	15	160	226	85	116	74
21	38	28	26	25	23	7.3	14	161	223	74	118	25
22	38	37	28	27	25	7.4	91	166	218	60	116	29
23	36	38	25	24	22	7.6	113	189	214	65	103	38
24	37	34	29	26	23	6.8	71	188	211	59	90	37
25	36	34	35	26	23	6.3	75	460	195	58	82	34
26	38	35	35	24	25	6.9	73	606	187	55	86	33
27	38	35	32	22	25	7.7	70	622	172	51	100	36
28	53	35	31	22	24	7.5	108	629	155	59	114	53
29	47	35	30	20	---	7.3	402	625	144	63	98	46
30	40	35	30	23	---	7.7	547	616	136	91	81	43
31	40	---	30	24	---	7.5	---	600	---	139	77	---
TOTAL	1222	879	917	791	685	340.3	1864.9	10411	6977	2626	5189	1532
MEAN	39.4	29.3	29.6	25.5	24.5	11.0	62.2	336	233	84.7	167	51.1
AC-FT	2420	1740	1820	1570	1360	675	3700	20650	13840	5210	10290	3040
MAX	55	44	35	30	29	24	547	629	450	139	409	95
MIN	34	15	19	20	20	6.3	5.5	160	136	51	77	25
CAL YR 1998 TOTAL		44088	MEAN	121	MAX	684	MIN	15	AC-FT	87450		
WTR YR 1999 TOTAL		33434.2	MEAN	91.6	MAX	629	MIN	5.5	AC-FT	66320		

MAX DISCH 745 CFS AT 2000 04-AUG-1999 GH 4.90 FT. SHIFT -0.03 FT. MAX GH 4.94 FT. AT 1630 27-MAY-1999

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 primary record is hourly satellite data. Satellite data checked against chart data to within ± 0.02 ft. The record is good, complete and reliable except for the following period: June 25-July 15, 1999, which is fair, due to corrections applied to the DCP record, when the chart was not operating. Record developed by Robert E. Cooper.

RATING TABLE.--RATING TABLE PLADENCO32 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	215	247	127	126	139	141	147	2410	2670	976	775	362
2	356	214	130	132	136	144	285	2190	2570	1170	505	361
3	254	164	134	128	142	140	194	2280	2250	908	305	276
4	313	180	127	130	139	152	168	2300	1780	833	1100	242
5	261	141	135	136	143	163	177	2190	1590	728	2050	228
6	353	137	141	135	141	126	142	1940	1560	664	1130	217
7	340	261	128	139	146	122	158	1530	1270	666	1280	206
8	251	186	119	134	139	119	154	1050	880	738	1610	194
9	244	238	121	133	136	135	167	891	1130	1060	1640	210
10	263	174	138	131	139	140	149	741	1930	1220	2050	210
11	265	152	135	136	179	145	146	706	1630	1300	1550	253
12	265	158	132	135	140	185	145	897	1720	1110	1210	222
13	260	135	138	137	133	176	161	804	1630	673	1110	225
14	235	137	139	133	132	165	761	774	1820	648	849	208
15	226	130	134	130	127	161	500	677	1950	646	729	197
16	289	141	132	132	128	155	373	845	2050	636	757	198
17	229	140	138	127	123	149	260	722	2540	656	833	198
18	207	139	129	130	124	141	207	522	2640	708	682	182
19	206	133	126	130	120	137	164	497	2400	1380	553	359
20	252	142	118	130	116	135	143	704	2260	1050	559	376
21	262	138	110	132	120	131	181	499	1990	589	573	490
22	253	150	111	201	126	136	1250	518	1990	595	570	236
23	191	156	110	260	116	131	1220	565	2060	674	567	217
24	202	148	118	210	113	131	695	575	1990	730	525	180
25	199	141	115	205	113	131	711	1390	1810	738	430	175
26	200	144	155	155	112	126	493	1600	1710	677	345	171
27	243	140	152	141	132	129	446	2140	1610	543	299	188
28	412	141	147	141	144	130	487	2630	1530	503	493	450
29	218	141	140	140	---	131	1400	3060	1460	629	324	307
30	199	147	134	142	---	126	2430	2820	1210	744	286	228
31	216	---	132	143	---	222	---	2780	---	1030	386	---
TOTAL	7879	4795	4045	4514	3698	4455	13914	43247	55630	25222	26075	7566
MEAN	254	160	130	146	132	144	464	1395	1854	814	841	252
AC-FT	15630	9510	8020	8950	7330	8840	27600	85780	110300	50030	51720	15010
MAX	412	261	155	260	179	222	2430	3060	2670	1380	2050	490
MIN	191	130	110	126	112	119	142	497	880	503	286	171

CAL YR 1998 TOTAL 183992 MEAN 504 MAX 2860 MIN 110 AC-FT 364900
WTR YR 1999 TOTAL 201040 MEAN 551 MAX 3060 MIN 110 AC-FT 398800

MAX DISCH 5146 CFS AT 0130 05-AUG-1999 GH 8.37 FT. SHIFT -0.11 FT. MAX GH 8.37 FT. AT 0130 05-AUG-1999

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

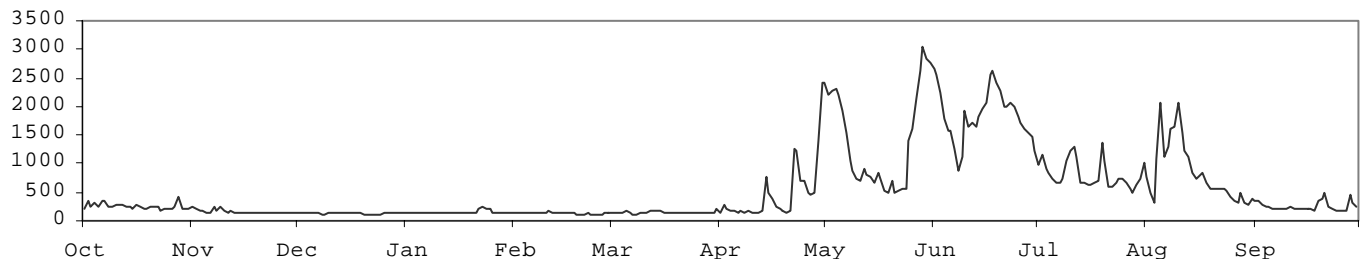


PLATE RIVER BASIN

STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL

LOCATION.-- Lat 39°40'45", long 105°54'12", manhole is located in the East Portal CDOT parking lot between the East and West bound lanes.

DRAINAGE AREA.--Eisenhower Tunnel seepage with effluent from sewage treatment facility.

GAGE.--12 in. Parshall Flume.

REMARKS.--Record is user supplied information and is not rated for accuracy. Flow represents average daily flows for month. One instantaneous gage height reading is taken each month by employees of Coors. This record is requested by DWR Division 5 and the Upper Colorado Commission to complete their accounting of Transmountain diversions. Record developed by Robert E. Cooper.

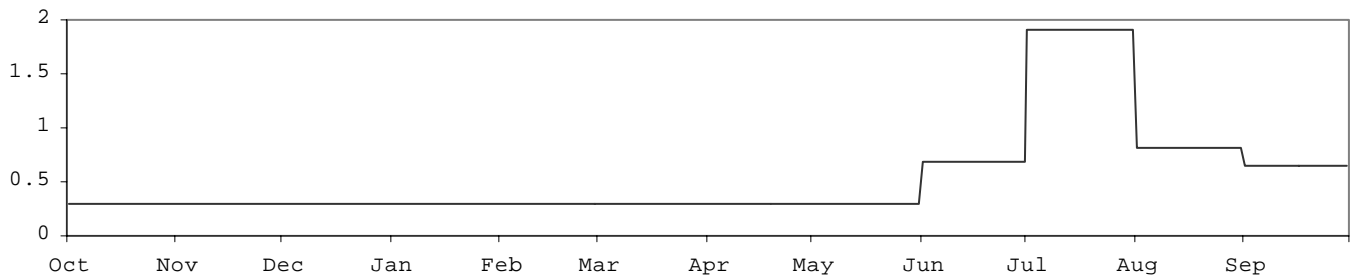
RATING TABLE.--STCTUNCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
2	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
3	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
4	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
5	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
6	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
7	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
8	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
9	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
10	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
11	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
12	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
13	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
14	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
15	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
16	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
17	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
18	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
19	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
20	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
21	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
22	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
23	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
24	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
25	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
26	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
27	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
29	0.29	0.29	0.29	0.29	---	0.29	0.29	0.30	0.69	1.9	0.81	0.64
30	0.29	0.29	0.29	0.29	---	0.29	0.29	0.30	0.69	1.9	0.81	0.64
31	0.29	---	0.29	0.29	---	0.29	---	0.30	---	1.9	0.81	---
TOTAL	8.99	8.70	8.99	8.99	8.12	8.99	8.70	9.30	20.70	58.9	25.11	19.20
MEAN	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.90	0.81	0.64
AC-FT	18	17	18	18	16	18	17	18	41	117	50	38
MAX	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64
MIN	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.69	1.9	0.81	0.64

CAL YR 1998 TOTAL 174.82 MEAN 0.48 MAX 1.9 MIN 0.25 AC-FT 347
WTR YR 1999 TOTAL 194.69 MEAN 0.53 MAX 1.9 MIN 0.29 AC-FT 386

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 AND PERIOD OF RECORD.--575 mi²; 1927 to present.

GAGE.--Graphic water-stage recorder with satellite monitoring DCP with digital shaft encoder and Telemark in a 60 inch corrugated metal shelter and well. Station at this datum since June 26, 1992. Primary reference is by electric drop tape.

REMARKS.--The record is complete and reliable except for Dec. 20-30, 1998 when stage-discharge relationship ice affected and well froze. The primary record is mean daily gage heights taken from the chart. The satellite data was found to have been incorrectly time stamped for the entire year. Record is good, except for ice affected days, which are estimated and the max discharge determination which is also estimated. Station maintained and record developed by Robert E. Cooper.

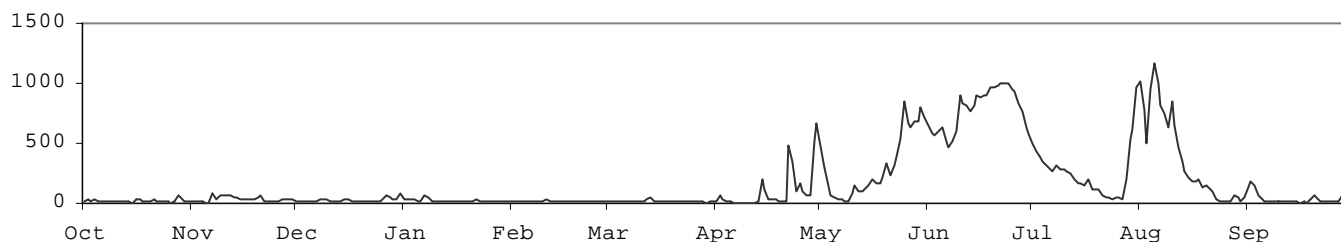
RATING TABLE.--CLEDERCO34 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	19	23	28	12	12	9.7	490	648	495	1020	128
2	40	20	19	30	12	12	62	307	580	437	789	182
3	19	19	19	28	16	9.7	29	143	565	388	502	150
4	31	11	20	29	15	9.7	20	75	594	343	954	59
5	24	4.6	22	22	14	21	16	53	633	317	1160	31
6	16	7.8	20	24	16	13	6.7	39	515	286	1000	20
7	12	82	24	72	16	13	7.8	26	462	263	823	13
8	12	33	28	56	17	13	4.4	24	515	318	745	12
9	24	68	27	19	18	14	4.6	21	605	291	633	9.4
10	20	62	29	18	20	13	5.3	88	901	291	843	9.1
11	17	60	22	19	27	14	4.6	153	841	270	648	9.1
12	14	66	20	14	21	34	4.3	108	815	249	475	15
13	17	50	22	15	21	42	22	92	760	192	344	14
14	10	42	23	16	18	18	206	129	818	165	260	12
15	7.8	40	26	17	15	17	124	144	906	164	214	8.5
16	35	31	27	16	16	16	27	203	888	143	182	7.8
17	32	28	24	16	16	18	30	170	906	205	182	8.5
18	18	30	23	16	16	18	31	163	896	114	193	7.8
19	14	28	24	18	17	16	18	222	964	125	140	36
20	20	46	16	18	17	14	9.7	341	963	116	156	68
21	26	61	16	18	15	13	23	233	983	67	121	52
22	19	23	16	29	14	20	477	320	1000	43	94	24
23	12	19	16	18	12	21	355	381	1000	58	33	18
24	11	20	16	17	14	16	102	529	1000	41	12	14
25	10	22	16	16	13	18	162	849	954	57	10	9.7
26	8.1	22	33	18	12	17	99	671	934	45	13	13
27	13	27	60	17	13	16	75	640	834	31	21	9.1
28	73	27	50	17	13	14	74	679	762	204	71	74
29	27	27	38	16	---	8.2	516	679	640	533	53	20
30	19	27	38	18	---	8.8	659	802	582	612	17	13
31	19	---	86	15	---	8.7	---	720	---	959	47	---
TOTAL	630.9	1022.4	843	690	446	498.1	3184.1	9494	23464	7822	11755	1047.0
MEAN	20.4	34.1	27.2	22.3	15.9	16.1	106	306	782	252	379	34.9
AC-FT	1250	2030	1670	1370	885	988	6320	18830	46540	15510	23320	2080
MAX	73	82	86	72	27	42	659	849	1000	959	1160	182
MIN	7.8	4.6	16	14	12	8.2	4.3	21	462	31	10	7.8
CAL YR 1998 TOTAL		43685.9	MEAN	120	MAX	631	MIN	4.6	AC-FT	86650		
WTR YR 1999 TOTAL		60896.5	MEAN	167	MAX	1160	MIN	4.3	AC-FT	120800		

MAX DISCH 2942 CFS AT 1845 04-AUG-1999 GH 4.24 FT. SHIFT 0.02 FT. MAX GH 4.24 FT. AT 1845 04-AUG-1999

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 except for July 8, 1999 when inlets malfunctioned and the record was estimated. Chart record was used on Nov. 26-27; Dec. 1, 3, 24, 1998; Feb. 22; Apr. 22-23; July 8-9; Aug. 4-10, 19, 25-26, 1999 to fill in missing hourly DCP data. Station maintained and record developed by Brent Schantz.

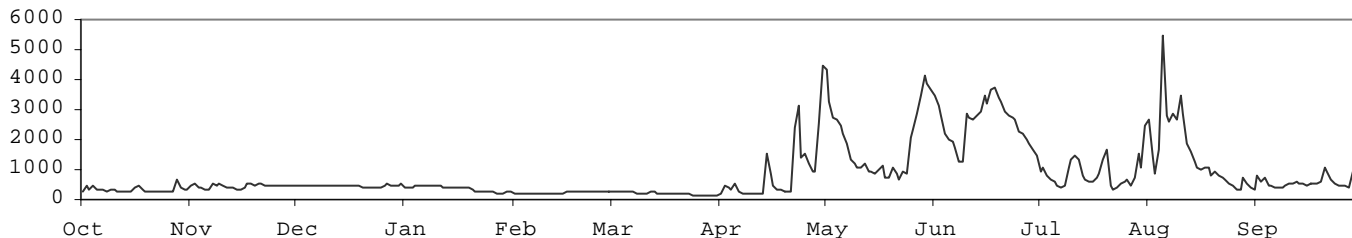
RATING TABLE --PLAHENCO30 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	294	446	446	426	204	264	200	4360	3450	932	2700	803
2	471	559	438	430	215	255	453	3280	3110	1090	1380	574
3	357	368	444	433	220	250	402	2750	2800	790	873	718
4	435	370	443	437	209	245	337	2660	2220	660	1660	499
5	359	325	454	446	208	270	516	2500	2000	583	5490	436
6	360	310	497	463	210	239	297	2220	1920	445	2830	411
7	346	524	473	497	211	239	224	1900	1760	398	2580	381
8	299	488	466	489	213	226	197	1340	1260	487	2840	395
9	303	512	450	440	213	213	195	1170	1240	1070	2640	474
10	301	485	464	439	212	204	191	1100	2840	1320	3460	503
11	292	399	463	443	231	208	190	1070	2730	1460	2880	549
12	286	401	456	431	229	240	195	1170	2640	1340	1870	569
13	280	377	459	429	220	274	195	945	2810	775	1630	557
14	280	366	472	420	217	231	1560	924	2910	639	1280	529
15	270	359	463	424	221	220	873	841	3460	608	1080	500
16	372	405	453	427	248	215	492	1020	3220	619	1030	509
17	435	523	452	419	279	212	345	1160	3640	738	1070	512
18	312	512	455	419	282	223	311	716	3720	862	1050	503
19	293	493	448	408	289	226	279	728	3400	1330	781	627
20	292	502	425	351	290	226	251	1070	3280	1660	909	1040
21	296	533	419	249	287	208	235	874	2940	471	769	928
22	287	485	419	266	290	195	2380	680	2770	329	734	660
23	284	479	416	272	282	177	3130	952	2710	382	634	541
24	280	474	418	251	284	132	1390	847	2680	539	563	473
25	274	460	410	236	276	115	1550	2100	2290	632	457	450
26	270	472	459	239	275	115	1190	2360	2190	674	355	444
27	282	447	502	226	275	117	938	2840	2020	487	353	430
28	643	457	476	230	271	104	916	3450	1890	704	766	958
29	401	458	469	226	---	116	2560	4110	1640	1540	532	817
30	305	467	453	239	---	138	4500	3900	1460	1100	402	608
31	319	---	512	241	---	163	---	3640	---	2470	360	---
TOTAL	10278	13456	14074	11346	6861	6260	26492	58677	77000	27134	45958	17398
MEAN	332	449	454	366	245	202	883	1893	2567	875	1483	580
AC-FT	20390	26690	27920	22500	13610	12420	52550	116400	152700	53820	91160	34510
MAX	643	559	512	497	290	274	4500	4360	3720	2470	5490	1040
MIN	270	310	410	226	204	104	190	680	1240	329	353	381
CAL YR 1998 TOTAL		258325	MEAN	708	MAX	3780	MIN	261	AC-FT	512400		
WTR YR 1999 TOTAL		314934	MEAN	863	MAX	5490	MIN	104	AC-FT	624700		

MAX DISCH 9722 CFS AT 2100 30-APR-1999 GH 8.84 FT. SHIFT 0.27 FT. MAX GH 8.84 FT. AT 2100 30-APR-1999

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: Nov. 10-11 when stage discharge relationship ice affected; chart record used on Oct. 15-21; Nov. 4-13, 1998 when DCP not working. Record good except for ice effect days, which are estimated. Partial year station only. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--MIDSTECO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

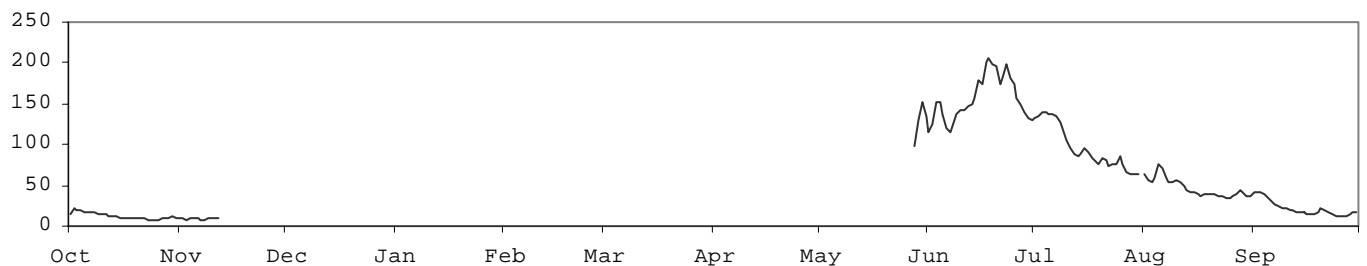
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	9.6	---	---	---	---	---	---	114	132	63	41
2	21	9.1	---	---	---	---	---	---	126	136	57	42
3	19	8.5	---	---	---	---	---	---	152	139	53	42
4	19	8.6	---	---	---	---	---	---	151	139	58	39
5	17	9.7	---	---	---	---	---	---	138	138	77	34
6	17	8.6	---	---	---	---	---	---	120	137	70	29
7	17	8.0	---	---	---	---	---	---	114	134	58	26
8	17	8.0	---	---	---	---	---	---	129	128	54	25
9	15	9.7	---	---	---	---	---	---	138	120	53	23
10	15	8.6	---	---	---	---	---	---	143	106	56	21
11	14	8.6	---	---	---	---	---	---	143	96	55	20
12	12	8.6	---	---	---	---	---	---	147	89	50	19
13	12	---	---	---	---	---	---	---	149	87	44	17
14	12	---	---	---	---	---	---	---	158	89	42	16
15	11	---	---	---	---	---	---	---	178	96	42	16
16	11	---	---	---	---	---	---	---	173	90	38	15
17	10	---	---	---	---	---	---	---	200	84	37	15
18	9.1	---	---	---	---	---	---	---	205	80	39	14
19	9.1	---	---	---	---	---	---	---	198	77	38	16
20	9.7	---	---	---	---	---	---	---	196	83	40	22
21	8.6	---	---	---	---	---	---	---	175	80	39	19
22	8.9	---	---	---	---	---	---	---	181	74	37	17
23	8.4	---	---	---	---	---	---	---	199	75	36	15
24	7.7	---	---	---	---	---	---	---	182	76	35	13
25	7.5	---	---	---	---	---	---	---	174	86	35	13
26	7.9	---	---	---	---	---	---	---	157	76	37	13
27	9.7	---	---	---	---	---	---	---	150	65	38	13
28	11	---	---	---	---	---	---	98	139	64	43	15
29	11	---	---	---	---	---	---	129	133	64	40	16
30	12	---	---	---	---	---	---	153	129	63	37	16
31	11	---	---	---	---	---	---	135	---	---	37	---
TOTAL	385.6								4691	2903	1438	642
MEAN	12.4								156	96.8	46.4	21.4
AC-FT	765								9300	5760	2850	1270
MAX	21								205	139	77	42
MIN	7.5								114	63	35	13

CAL YR 1998 TOTAL MEAN MAX MIN AC-FT 74210
WTR YR 1999 TOTAL 10059.6 MEAN 27.6 MAX 205 MIN 7.5 AC-FT 19950

MAX DISCH 254 CFS AT 2115 17-JUN-1999 GH 3.12 FT. SHIFT 0.01 FT. MAX GH 3.12 FT. AT 2115 17-JUN-1999

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 AND PERIOD OF RECORD.--14.4 mi²; 1925-27,28-31, 54-73, 1992 to present

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: Nov. 13, 1998-May 28, 1999 when station was closed for winter. Stage discharge relation ice affected Oct. 19, 21; Nov. 3-6, 8, 1998. This is a partial year record. Record good except for ice effect days, which are estimated. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--SSVWARCO09 USED FROM 01-OCT-1998 TO 30-SEP-1999

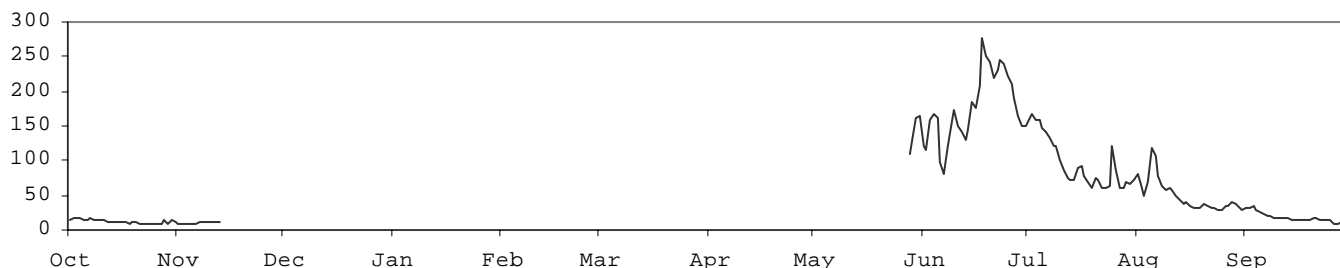
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	10	---	---	---	---	---	---	122	157	82	31
2	18	9.8	---	---	---	---	---	---	116	167	62	32
3	17	10	---	---	---	---	---	---	158	158	50	35
4	18	10	---	---	---	---	---	---	168	159	70	30
5	15	10	---	---	---	---	---	---	161	147	119	26
6	15	10	---	---	---	---	---	---	97	141	108	23
7	16	11	---	---	---	---	---	---	82	133	77	20
8	15	11	---	---	---	---	---	---	122	120	63	19
9	14	12	---	---	---	---	---	---	155	120	57	18
10	14	12	---	---	---	---	---	---	174	100	60	18
11	13	12	---	---	---	---	---	---	151	87	59	17
12	12	12	---	---	---	---	---	---	142	75	48	17
13	12	12	---	---	---	---	---	---	131	72	42	16
14	12	---	---	---	---	---	---	---	143	72	38	14
15	12	---	---	---	---	---	---	---	185	90	39	14
16	12	---	---	---	---	---	---	---	176	93	35	14
17	11	---	---	---	---	---	---	---	208	78	33	13
18	10	---	---	---	---	---	---	---	278	69	33	13
19	11	---	---	---	---	---	---	---	251	62	32	14
20	11	---	---	---	---	---	---	---	242	74	37	18
21	10	---	---	---	---	---	---	---	218	73	36	17
22	9.9	---	---	---	---	---	---	---	230	62	33	15
23	9.8	---	---	---	---	---	---	---	244	60	31	13
24	9.7	---	---	---	---	---	---	---	238	63	29	13
25	9.2	---	---	---	---	---	---	---	221	122	29	13
26	9.1	---	---	---	---	---	---	---	210	86	36	10
27	10	---	---	---	---	---	---	---	191	62	34	10
28	14	---	---	---	---	---	---	111	165	61	41	12
29	10	---	---	---	---	---	---	127	149	68	37	12
30	15	---	---	---	---	---	---	162	149	65	32	13
31	11	---	---	---	---	---	---	163	---	72	29	---
TOTAL	389.7								5277	2968	1511	530
MEAN	12.6								176	95.7	48.7	17.7
AC-FT	773								10470	5890	3000	1050
MAX	18								278	167	119	35
MIN	9.1								82	60	29	10

CAL YR 1998 TOTAL		MEAN		MAX		MIN		AC-FT	74210
WTR YR 1999 TOTAL	10675.7	MEAN	29.2	MAX	278	MIN	9.1	AC-FT	21180

MAX DISCH 317 CFS AT 0130 18-JUN-1999 GH 3.16 FT. SHIFT -0.13 FT. MAX GH 3.16 FT. AT 0130 18-JUN-1999

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: Nov. 5-13, 1998 when the well was frozen and Nov. 13, 1998-May 28, 1999 when the station was closed for the winter; May 28, 1999 partial record when station was opened. Record good except for estimated days and winter closed days. This is a partial year station. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--LEFTHDCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

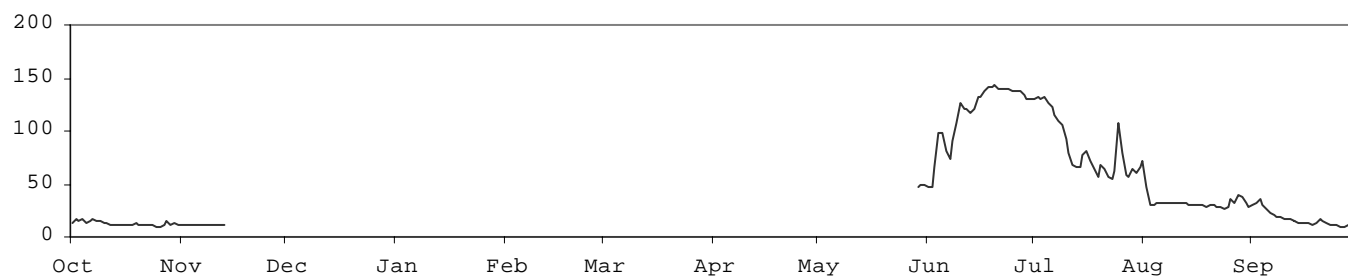
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	11	---	---	---	---	---	---	48	131	72	31
2	17	11	---	---	---	---	---	---	48	132	47	32
3	16	11	---	---	---	---	---	---	66	130	31	36
4	17	11	---	---	---	---	---	---	99	132	31	31
5	14	11	---	---	---	---	---	---	98	126	33	27
6	15	11	---	---	---	---	---	---	82	122	33	23
7	17	11	---	---	---	---	---	---	74	115	32	20
8	16	11	---	---	---	---	---	---	91	109	32	19
9	15	12	---	---	---	---	---	---	108	106	32	18
10	14	12	---	---	---	---	---	---	126	92	32	17
11	14	12	---	---	---	---	---	---	121	80	33	17
12	12	12	---	---	---	---	---	---	120	68	32	17
13	12	12	---	---	---	---	---	---	117	66	32	15
14	12	---	---	---	---	---	---	---	121	66	31	14
15	12	---	---	---	---	---	---	---	132	78	31	13
16	12	---	---	---	---	---	---	---	132	81	30	13
17	12	---	---	---	---	---	---	---	137	71	30	13
18	12	---	---	---	---	---	---	---	142	65	30	12
19	14	---	---	---	---	---	---	---	142	57	29	13
20	12	---	---	---	---	---	---	---	143	67	30	17
21	11	---	---	---	---	---	---	---	140	65	30	16
22	11	---	---	---	---	---	---	---	140	57	29	14
23	11	---	---	---	---	---	---	---	140	55	28	12
24	11	---	---	---	---	---	---	---	140	63	27	12
25	10	---	---	---	---	---	---	---	138	107	28	12
26	10	---	---	---	---	---	---	---	138	79	35	9.7
27	11	---	---	---	---	---	---	---	137	59	33	9.7
28	15	---	---	---	---	---	---	---	134	57	39	11
29	11	---	---	---	---	---	---	48	130	64	37	12
30	13	---	---	---	---	---	---	49	131	60	32	12
31	12	---	---	---	---	---	---	50	---	66	29	---
TOTAL	405								3515	2626	1030	518.4
MEAN	13.1								117	84.7	33.2	17.3
AC-FT	803								6970	5210	2040	1030
MAX	17								143	132	72	36
MIN	10								48	55	27	9.7

CAL YR 1998 TOTAL		MEAN		MAX		MIN		AC-FT	24760
WTR YR 1999 TOTAL	8094.4	MEAN	22.2	MAX	143	MIN	9.7	AC-FT	16060

MAX DISCH 152 CFS AT 0300 18-JUN-1999 GH 2.26 FT. SHIFT -0.04 FT. MAX GH 2.26 FT. AT 0300 18-JUN-1999

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 with satellite monitoring installed on May 21, 1992 for administration purposes.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 10-11, 1998 when stage discharge relationship ice affected; Nov. 13, 1998-May 28, 1999 when station closed for winter. Chart record unreliable much of year due to recorder malfunctioning but DCP data considered good. Record fair except for ice effect days, which are estimated. Station may no longer to be published in Colorado Streamflow Data Report, but will be available in future years as part of Water District 5 Diversion Data. Station maintained and record developed by Merlin Freidrichsen.

RATING TABLE.--BEAVERCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

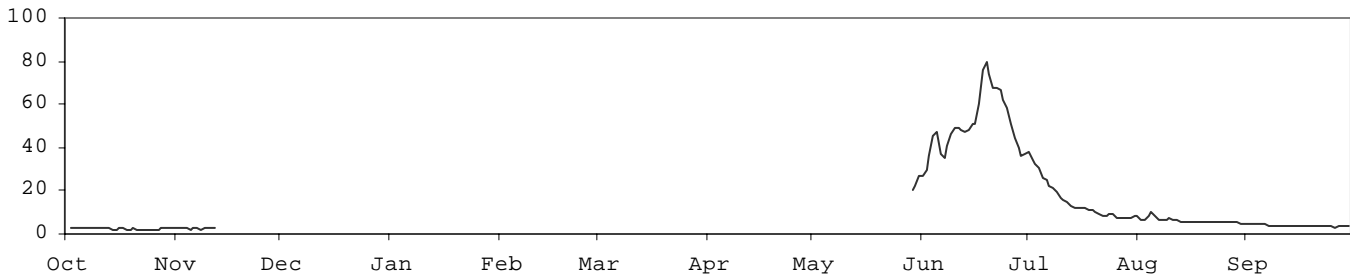
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.5	---	---	---	---	---	---	27	38	8.1	4.7
2	2.7	2.5	---	---	---	---	---	---	30	34	6.7	4.9
3	2.7	2.4	---	---	---	---	---	---	36	32	6.3	5.0
4	2.8	2.4	---	---	---	---	---	---	45	31	8.1	4.7
5	2.8	2.3	---	---	---	---	---	---	47	26	10	4.5
6	2.7	2.4	---	---	---	---	---	---	37	25	8.6	4.2
7	2.6	2.4	---	---	---	---	---	---	35	22	6.8	4.0
8	2.6	2.3	---	---	---	---	---	---	41	21	6.4	3.9
9	2.6	2.4	---	---	---	---	---	---	46	19	6.2	3.9
10	2.5	2.4	---	---	---	---	---	---	49	17	7.5	3.8
11	2.4	2.5	---	---	---	---	---	---	49	16	6.6	3.8
12	2.4	2.5	---	---	---	---	---	---	48	15	6.1	3.8
13	2.4	---	---	---	---	---	---	---	47	13	6.0	3.7
14	2.3	---	---	---	---	---	---	---	48	12	5.9	3.6
15	2.3	---	---	---	---	---	---	---	51	12	6.0	3.6
16	2.4	---	---	---	---	---	---	---	51	12	5.7	3.6
17	2.4	---	---	---	---	---	---	---	60	12	5.7	3.5
18	2.3	---	---	---	---	---	---	---	76	11	5.5	3.5
19	2.3	---	---	---	---	---	---	---	80	11	5.5	3.5
20	2.4	---	---	---	---	---	---	---	74	10	5.6	3.9
21	2.3	---	---	---	---	---	---	---	68	8.9	5.5	3.9
22	2.3	---	---	---	---	---	---	---	68	8.5	5.3	3.6
23	2.2	---	---	---	---	---	---	---	67	8.0	5.2	3.5
24	2.2	---	---	---	---	---	---	---	62	8.8	5.1	3.3
25	2.2	---	---	---	---	---	---	---	58	8.9	5.2	3.3
26	2.2	---	---	---	---	---	---	---	51	7.5	5.2	3.0
27	2.3	---	---	---	---	---	---	---	44	7.2	5.1	3.3
28	2.5	---	---	---	---	---	---	---	40	7.4	5.4	3.6
29	2.4	---	---	---	---	---	---	20	36	7.2	5.2	3.7
30	2.4	---	---	---	---	---	---	22	37	7.7	5.0	3.8
31	2.4	---	---	---	---	---	---	27	---	8.2	4.7	---
TOTAL									1508	477.3	190.2	115.1
MEAN									50.3	15.4	6.14	3.84
AC-FT									2990	947	377	228
MAX									80	38	10	5.0
MIN									27	7.2	4.7	3.0

CAL YR 1998 TOTAL MEAN MAX MIN AC-FT
WTR YR 1999 TOTAL 2290.6 MEAN 6.28 MAX 80 MIN 3.0 AC-FT 4540

MAX DISCH 106 CFS AT 0800 19-JUN-1999 GH 3.04 FT. SHIFT 0.40 FT. MAX GH 3.04 FT. AT 0800 19-JUN-1999

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: Dec. 8-16, 1998 when well was frozen; Dec. 17, 1998-Apr. 14, 1999 when station was closed for winter. Record good except for estimated days. Station maintained and record developed by Merlin Friedrehsen.

RATING TABLE.--LYODIVCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

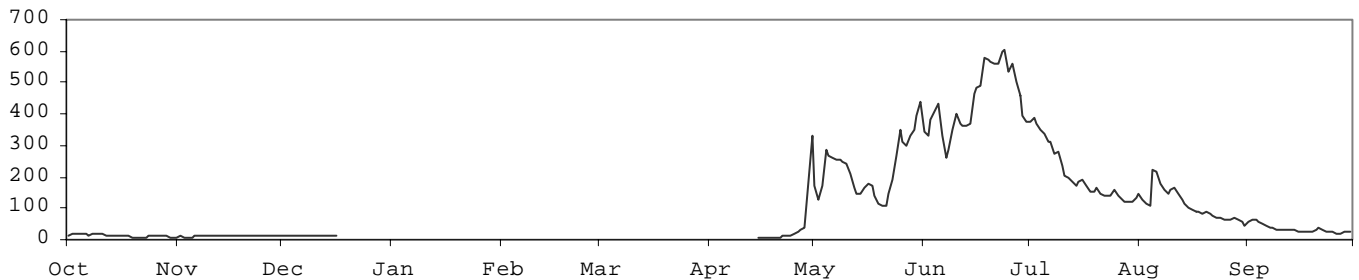
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	9.1	14	---	---	---	---	173	344	373	147	59
2	16	9.7	15	---	---	---	---	125	333	391	130	64
3	16	9.3	14	---	---	---	---	171	385	370	114	62
4	22	8.8	14	---	---	---	---	285	410	348	110	57
5	20	8.6	14	---	---	---	---	268	434	335	220	51
6	19	9.6	14	---	---	---	---	261	333	310	217	45
7	15	15	14	---	---	---	---	255	263	315	180	39
8	17	14	12	---	---	---	---	253	287	276	158	37
9	17	15	10	---	---	---	---	249	350	277	144	35
10	16	15	10	---	---	---	---	245	400	236	156	33
11	17	14	10	---	---	---	---	210	369	203	165	32
12	11	14	10	---	---	---	---	168	363	198	144	32
13	11	14	10	---	---	---	---	145	363	184	125	33
14	11	14	10	---	---	---	---	144	366	173	112	30
15	9.9	14	10	---	---	---	8.0	163	465	186	103	28
16	11	14	10	---	---	---	7.2	180	483	192	96	27
17	11	14	---	---	---	---	7.4	174	490	174	89	25
18	10	14	---	---	---	---	7.5	142	579	155	92	24
19	9.2	15	---	---	---	---	7.3	114	575	154	85	25
20	9.1	14	---	---	---	---	7.9	107	566	163	88	34
21	9.5	14	---	---	---	---	8.0	106	563	146	84	36
22	8.7	15	---	---	---	---	13	145	561	138	78	31
23	9.2	15	---	---	---	---	14	194	598	142	71	27
24	9.6	15	---	---	---	---	13	268	603	141	67	24
25	9.9	15	---	---	---	---	19	353	536	156	64	25
26	9.6	15	---	---	---	---	24	314	559	143	64	17
27	11	15	---	---	---	---	32	297	502	128	63	16
28	14	14	---	---	---	---	41	331	458	124	68	24
29	11	14	---	---	---	---	187	347	393	124	63	25
30	9.0	15	---	---	---	---	329	396	376	122	56	27
31	9.3	---	---	---	---	---	---	438	---	134	47	---
TOTAL	394.0	402.1						7021	13307	6511	3400	1024
MEAN	12.7	13.4						226	444	210	110	34.1
AC-FT	782	798						13930	26390	12910	6740	2030
MAX	22	15						438	603	391	220	64
MIN	8.7	8.6						106	263	122	47	16

PARTIAL YEAR RECORD

MAX DISCH 661 CFS AT 0800 24-JUN-1999 GH 3.25 FT. SHIFT 0.03 FT. MAX GH 3.25 FT. AT 0800 24-JUN-1999

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 except for Dec. 20-29, 1998 when the well was frozen. Record is good, except for estimated days of frozen well. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--SVCLYOCO22 USED FROM 01-OCT-1998 TO 30-SEP-1999

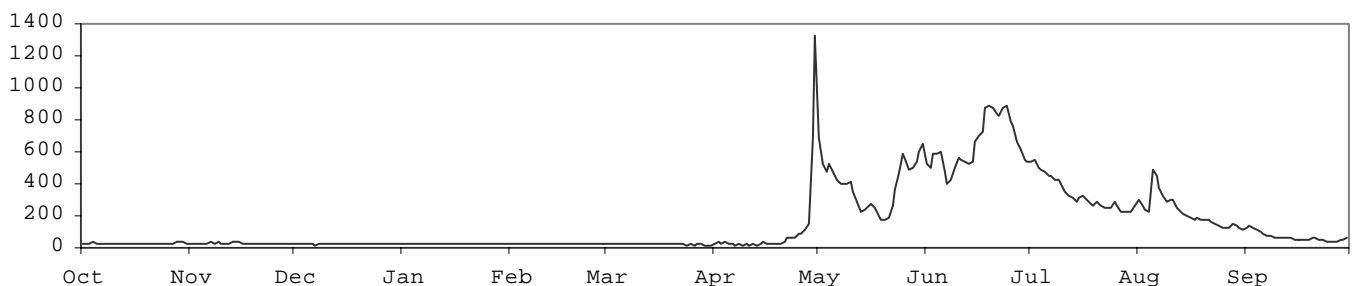
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	28	22	27	24	19	22	690	528	532	300	126
2	24	27	22	27	24	19	32	521	503	544	264	133
3	28	25	27	26	23	21	31	480	589	506	234	130
4	32	26	28	24	24	22	34	529	587	487	227	118
5	30	25	27	24	24	24	30	473	602	469	484	101
6	24	27	23	26	25	21	22	431	477	446	454	88
7	22	35	18	25	25	22	18	403	395	454	372	76
8	23	31	22	23	25	22	22	394	424	428	323	70
9	23	34	23	24	24	20	18	396	503	429	286	68
10	22	27	22	23	24	20	19	407	560	381	298	64
11	25	25	26	23	20	20	18	351	549	347	301	62
12	20	30	29	22	20	20	20	287	537	331	254	64
13	20	33	31	28	26	20	18	231	528	308	222	63
14	19	34	28	25	26	22	27	232	540	292	207	58
15	19	32	26	25	25	23	34	254	663	312	200	56
16	21	31	24	25	23	22	24	274	697	321	190	53
17	24	29	25	23	24	21	27	255	721	298	176	51
18	23	27	25	25	23	21	24	202	878	272	184	49
19	21	27	24	24	24	20	22	171	883	268	169	52
20	23	24	24	23	22	20	31	174	877	282	173	66
21	26	25	24	24	24	20	32	193	843	260	173	66
22	26	31	24	24	22	21	58	260	831	246	160	53
23	28	27	23	25	23	21	67	368	880	253	146	44
24	29	25	23	26	22	18	60	468	886	246	137	40
25	30	24	23	25	21	19	84	582	786	284	130	40
26	28	24	22	24	21	18	88	521	758	262	131	40
27	29	25	22	23	20	21	107	484	663	231	130	37
28	40	24	22	22	21	20	153	499	617	221	145	51
29	36	24	22	22	---	17	683	539	556	226	138	53
30	33	24	27	26	---	18	1330	606	534	224	123	57
31	30	---	27	25	---	18	---	651	---	264	109	---
TOTAL	802	830	755	758	649	630	3155	12326	19395	10424	6840	2029
MEAN	25.9	27.7	24.4	24.5	23.2	20.3	105	398	647	336	221	67.6
AC-FT	1590	1650	1500	1500	1290	1250	6260	24450	38470	20680	13570	4020
MAX	40	35	31	28	26	24	1330	690	886	544	484	133
MIN	19	24	18	22	20	17	18	171	395	221	109	37

CAL YR 1998 TOTAL 51581 MEAN 141 MAX 637 MIN 16 AC-FT 102300
WTR YR 1999 TOTAL 58593 MEAN 161 MAX 1330 MIN 17 AC-FT 116200

MAX DISCH 1879 CFS AT 1200 30-APR-1999 GH 6.26 FT. SHIFT -0.17 FT. MAX GH 6.26 FT. AT 1200 30-APR-1999

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 at inlet to Barker Reservoir.

DRAINAGE AREA.--36.2 mi².

GAGE.--Water-stage recorder in wooden shelter with concrete well at a compound sharp-crested weir. DCP is the primary record with chart recorder as backup.

REMARKS.--Record is complete and reliable. Stage-discharge relation affected by ice in the following periods: Dec. 19-20, 29, 1998; Jan. 4-5, 9-10, 14-18, 20-23, 26-29, 31; Feb. 2-3, 7, 11-23, 26-28; Mar. 1, 3-4, 5-7, 9, 11-14, 1999. The record is good, except for periods of ice effect, which are fair. Station maintained by Public Service Co and record developed by G.T. Anderson.

RATING TABLE.--BOCMIDCO07 USED FROM 01-OCT-1998 TO 30-SEP-1999

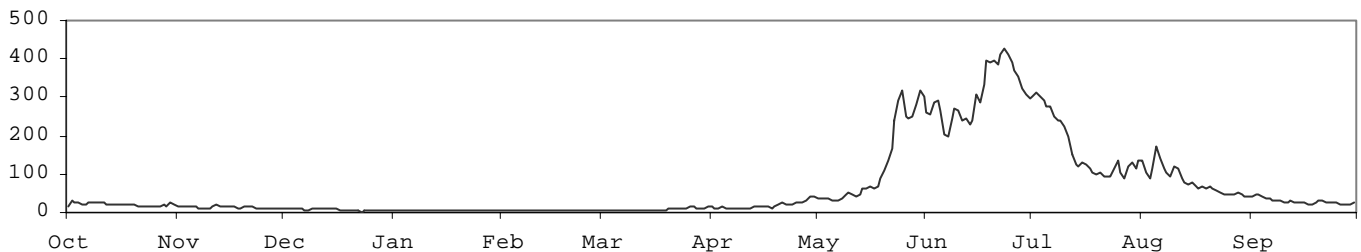
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	18	11	6.8	6.0	5.9	14	38	259	304	136	42
2	29	17	11	7.4	5.9	5.9	12	36	255	311	103	47
3	26	16	10	7.0	6.0	5.5	11	37	288	301	90	48
4	26	15	9.9	6.9	5.6	5.5	14	36	294	292	116	42
5	19	14	9.5	6.8	5.7	5.7	11	33	265	277	173	37
6	22	14	8.6	6.8	5.5	5.7	11	32	202	277	141	34
7	27	13	7.2	6.8	5.3	5.9	12	31	198	252	116	31
8	27	13	7.5	6.7	5.8	5.8	13	36	243	240	103	30
9	26	13	8.7	6.7	5.7	5.5	12	45	269	237	94	29
10	26	9.3	8.0	6.5	5.6	5.5	11	53	266	225	118	28
11	24	14	8.6	6.5	5.3	5.5	13	45	240	198	112	28
12	22	20	9.0	6.2	5.3	5.5	12	42	243	149	91	29
13	20	17	8.7	6.2	5.1	5.5	15	48	231	123	80	27
14	21	17	8.4	6.4	5.1	5.9	18	62	241	122	74	25
15	23	16	8.1	6.3	5.0	5.8	15	65	306	132	76	25
16	21	15	7.9	6.3	5.1	6.1	15	67	284	127	66	24
17	19	14	7.6	6.2	5.1	6.1	17	61	331	116	65	22
18	19	13	7.3	6.2	5.0	6.5	13	68	394	102	66	22
19	21	13	6.2	7.0	4.8	7.2	15	88	390	98	60	25
20	19	16	5.6	7.0	4.9	8.3	20	110	396	102	67	33
21	18	16	4.9	6.7	5.1	9.6	24	135	386	95	62	30
22	18	14	3.3	6.4	5.1	9.7	22	169	412	94	57	27
23	18	13	1.8	6.5	5.1	8.8	20	237	425	94	52	25
24	17	12	3.8	6.5	4.8	9.4	22	294	409	115	47	24
25	16	13	4.2	6.6	5.0	11	27	317	389	135	46	25
26	16	11	4.1	6.4	5.1	14	24	252	372	103	49	22
27	18	12	4.1	6.5	5.1	14	27	244	352	91	47	21
28	20	12	4.5	6.3	5.1	12	31	250	324	121	53	22
29	18	11	5.2	6.3	---	11	41	282	308	129	46	23
30	24	11	6.2	6.5	---	12	42	317	298	113	42	24
31	21	---	6.4	6.1	---	15	---	300	---	137	40	---
TOTAL	659	422.3	217.3	203.5	148.2	245.8	554	3830	9270	5212	2488	871
MEAN	21.3	14.1	7.01	6.56	5.29	7.93	18.5	124	309	168	80.3	29.0
AC-FT	1310	838	431	404	294	488	1100	7600	18390	10340	4930	1730
MAX	29	20	11	7.4	6.0	15	42	317	425	311	173	48
MIN	16	9.3	1.8	6.1	4.8	5.5	11	31	198	91	40	21

CAL YR 1998 TOTAL 20493.4 MEAN 56.1 MAX 316 MIN 1.8 AC-FT 40650
WTR YR 1999 TOTAL 24121.1 MEAN 66.1 MAX 425 MIN 1.8 AC-FT 47840

MAX DISCH 498 CFS AT 2045 23-JUN-1999 GH 3.29 FT. SHIFT 0.00 FT. MAX GH 3.29 FT. AT 2045 23-JUN-1999

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, except when the stage-discharge relation was ice affected Nov. 5-13; Dec. 6-29, 31, 1998; Jan. 1-10, 13-18, 20-23, 25-31; Feb. 1-7, 9, 12-19, 22-23, 25-28; Mar. 1-7, 1999. Record is good, except for periods of ice effect, which are fair. Station maintained and record developed by G.T. Anderson.

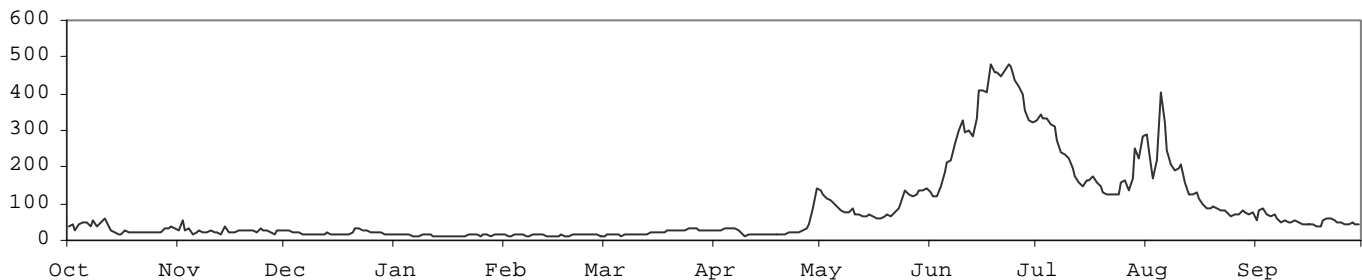
RATING TABLE.--BOCOROCO13 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	28	26	16	15	12	28	138	130	330	288	54
2	44	53	27	17	13	14	26	125	120	346	206	80
3	26	26	22	16	8.5	15	25	116	122	333	167	85
4	42	35	24	14	14	15	33	110	145	332	218	72
5	47	19	22	15	16	14	33	97	188	318	401	67
6	47	24	18	11	14	10	33	88	211	312	324	70
7	37	28	17	12	13	18	32	80	217	273	248	58
8	56	23	17	11	12	19	26	75	260	239	208	51
9	36	21	17	16	16	18	16	74	302	235	189	52
10	51	26	18	16	15	16	13	85	327	225	198	51
11	60	24	18	14	14	17	15	72	297	199	206	51
12	47	21	19	13	14	16	17	69	298	177	158	52
13	29	18	21	11	13	17	15	66	286	159	128	51
14	20	37	18	11	13	21	18	66	332	149	124	46
15	19	20	17	11	13	23	19	69	411	161	131	46
16	19	20	16	11	9.0	21	16	67	411	164	112	44
17	25	21	17	12	14	22	16	62	403	176	96	41
18	24	29	18	9.8	13	22	16	61	478	158	90	40
19	23	26	18	11	13	29	17	64	458	148	88	39
20	24	28	23	11	14	30	18	69	456	131	94	52
21	22	30	32	11	14	27	17	66	445	127	86	60
22	23	26	31	14	14	29	23	75	461	125	84	61
23	23	24	29	14	15	29	21	88	480	125	80	57
24	21	32	29	15	14	28	21	106	472	125	72	47
25	21	25	23	13	14	34	24	136	439	160	66	50
26	22	25	23	18	14	31	25	124	420	165	69	45
27	23	24	22	14	14	31	32	120	396	137	69	42
28	34	19	20	13	10	28	41	124	356	167	81	49
29	32	26	17	14	---	26	87	134	330	252	78	45
30	36	30	16	14	---	28	142	137	324	226	73	46
31	31	---	16	15	---	26	---	141	---	286	75	---
TOTAL	1003	788	651	413.8	375.5	686	865	2904	9975	6460	4507	1604
MEAN	32.4	26.3	21.0	13.3	13.4	22.1	28.8	93.7	333	208	145	53.5
AC-FT	1990	1560	1290	821	745	1360	1720	5760	19790	12810	8940	3180
MAX	60	53	32	18	16	34	142	141	480	346	401	85
MIN	19	18	16	9.8	8.5	10	13	61	120	125	66	39
CAL YR 1998 TOTAL		27937	MEAN	76.5	MAX	291	MIN	11	AC-FT	55410		
WTR YR 1999 TOTAL		30232.3	MEAN	82.8	MAX	480	MIN	8.5	AC-FT	59970		

MAX DISCH 550 CFS AT 0745 23-JUN-1999 GH 3.44 FT. SHIFT 0.01 FT. MAX GH 3.44 FT. AT 0745 23-JUN-1999

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. Measures releases from Gross Reservoir; which is filled by 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. Record developed by G.T. Anderson.

RATING TABLE.--BOCBGRCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

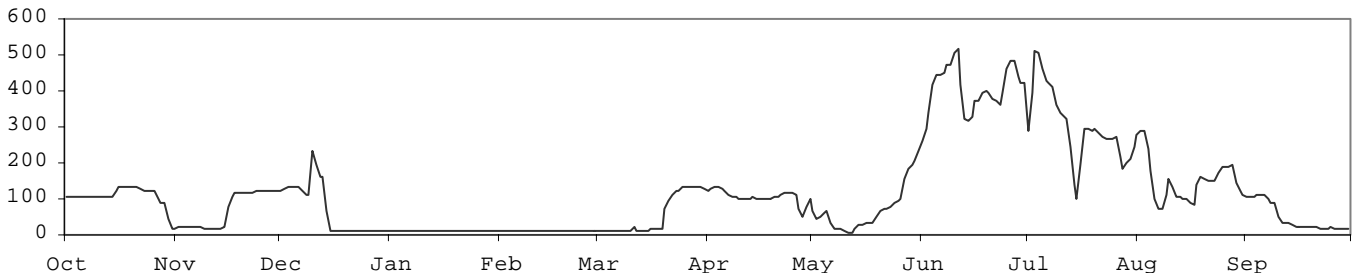
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	18	120	10	10	11	125	65	262	287	280	107
2	106	23	127	10	10	11	129	42	293	392	290	107
3	106	23	131	10	10	11	131	49	340	513	290	106
4	106	23	131	10	10	11	131	62	416	507	240	111
5	106	23	131	12	10	12	127	66	445	459	180	113
6	106	23	131	13	10	11	125	34	445	427	102	113
7	106	23	120	11	10	11	111	17	451	424	73	101
8	105	23	113	11	10	10	103	16	471	412	74	90
9	105	18	113	11	10	10	103	16	474	362	110	89
10	105	15	232	11	10	11	102	11	505	341	155	52
11	105	15	195	10	10	22	102	7.2	519	335	131	34
12	106	15	162	11	10	11	102	7.2	417	320	107	34
13	106	15	161	11	10	11	102	14	325	245	107	33
14	106	15	68	11	10	11	103	26	315	139	101	27
15	125	24	9.8	11	11	13	102	30	330	99	98	24
16	133	78	9.6	10	11	14	102	31	372	193	90	22
17	132	107	9.7	10	11	14	102	34	371	295	86	22
18	132	115	10	10	11	14	101	35	392	297	139	22
19	132	115	10	10	11	14	101	48	400	288	162	22
20	131	117	10	10	11	75	104	68	397	296	153	23
21	131	118	10	10	11	93	105	74	380	285	148	22
22	127	117	10	10	11	111	111	75	371	272	148	19
23	125	119	10	10	11	123	114	76	363	269	148	18
24	125	120	10	10	11	124	115	89	394	269	174	18
25	125	120	9.8	10	11	131	114	93	463	269	187	21
26	122	120	9.9	10	11	136	113	98	485	275	187	19
27	100	120	10	10	11	135	72	153	482	214	187	19
28	90	120	9.8	10	11	135	51	181	441	182	193	19
29	90	120	10	10	---	135	79	195	422	200	146	19
30	42	120	9.9	10	---	134	98	205	423	213	120	19
31	18	---	10	10	---	128	---	236	---	244	111	---
TOTAL	3360	2022	2103.5	323	294	1693	3180	2153.4	12164	9323	4717	1445
MEAN	108	67.4	67.9	10.4	10.5	54.6	106	69.5	405	301	152	48.2
AC-FT	6660	4010	4170	641	583	3360	6310	4270	24130	18490	9360	2870
MAX	133	120	232	13	11	136	131	236	519	513	290	113
MIN	18	15	9.6	10	10	10	51	7.2	262	99	73	18

CAL YR 1998 TOTAL 50153.9 MEAN 137 MAX 506 MIN 5.0 AC-FT 99480
WTR YR 1999 TOTAL 42777.9 MEAN 117 MAX 519 MIN 7.2 AC-FT 84850

MAX DISCH 526 CFS AT 1800 10-JUN-1999 GH 2.95 FT. SHIFT -0.03 FT. MAX GH 2.95 FT. AT 1800 10-JUN-1999

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 during the following periods: Oct. 31-Nov. 15; Dec. 15, 1998-Mar. 19, 1999; Apr. 28-May 26; July 15; Aug. 13-17; Sep. 11-30, 1999. Graphic chart record for May-Sep. was not provided by the Denver Water Board. The record is good. Record developed by Ted Anderson.

RATING TABLE.--BOSDELCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

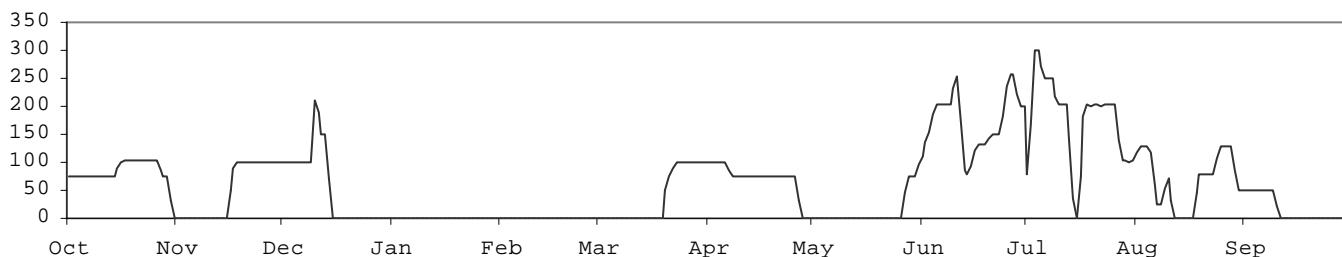
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	0.0	100	0.0	0.0	0.0	100	0.0	111	80	117	51
2	74	0.0	100	0.0	0.0	0.0	100	0.0	136	169	127	51
3	74	0.0	101	0.0	0.0	0.0	100	0.0	154	301	127	51
4	74	0.0	100	0.0	0.0	0.0	100	0.0	184	301	127	51
5	74	0.0	99	0.0	0.0	0.0	100	0.0	202	271	119	51
6	74	0.0	99	0.0	0.0	0.0	100	0.0	202	250	60	51
7	74	0.0	99	0.0	0.0	0.0	85	0.0	202	250	25	51
8	74	0.0	99	0.0	0.0	0.0	74	0.0	202	250	26	51
9	74	0.0	99	0.0	0.0	0.0	74	0.0	202	219	53	51
10	74	0.0	209	0.0	0.0	0.0	74	0.0	233	203	73	21
11	74	0.0	191	0.0	0.0	0.0	74	0.0	252	203	32	0.0
12	74	0.0	149	0.0	0.0	0.0	75	0.0	171	203	0.0	0.0
13	74	0.0	149	0.0	0.0	0.0	75	0.0	86	142	0.0	0.0
14	74	0.0	71	0.0	0.0	0.0	76	0.0	78	36	0.0	0.0
15	89	0.0	0.0	0.0	0.0	0.0	75	0.0	93	0.0	0.0	0.0
16	101	50	0.0	0.0	0.0	0.0	75	0.0	120	76	0.0	0.0
17	103	89	0.0	0.0	0.0	0.0	75	0.0	131	181	0.0	0.0
18	103	99	0.0	0.0	0.0	0.0	75	0.0	132	202	47	0.0
19	103	99	0.0	0.0	0.0	0.0	75	0.0	131	201	77	0.0
20	103	100	0.0	0.0	0.0	49	75	0.0	143	202	77	0.0
21	103	100	0.0	0.0	0.0	75	75	0.0	151	202	77	0.0
22	103	100	0.0	0.0	0.0	90	75	0.0	151	201	77	0.0
23	103	100	0.0	0.0	0.0	100	75	0.0	151	202	77	0.0
24	103	100	0.0	0.0	0.0	100	75	0.0	181	203	106	0.0
25	103	100	0.0	0.0	0.0	101	75	0.0	237	202	128	0.0
26	103	100	0.0	0.0	0.0	101	75	0.0	257	202	127	0.0
27	86	100	0.0	0.0	0.0	101	32	46	257	141	127	0.0
28	75	100	0.0	0.0	0.0	100	0.0	74	222	102	127	0.0
29	74	100	0.0	0.0	---	100	0.0	75	201	103	84	0.0
30	32	100	0.0	0.0	---	100	0.0	76	201	101	51	0.0
31	0.0	---	0.0	0.0	---	100	---	97	---	102	51	---
TOTAL	2523	1437	1665	0.0	0.0	1117	2139	368	5174	5501	2119	480
MEAN	81.4	47.9	53.7	0.0	0.0	36.0	71.3	11.9	172	177	68.4	16.0
AC-FT	5000	2850	3300	0.0	0.0	2220	4240	730	10260	10910	4200	952
MAX	103	100	209	0.0	0.0	101	100	97	257	301	128	51
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78	0.0	0.0	0.0

CAL YR 1998 TOTAL 28253 MEAN 77.4 MAX 296 MIN 0.00 AC-FT 56040
WTR YR 1999 TOTAL 22523 MEAN 61.7 MAX 301 MIN 0.00 AC-FT 44670

MAX DISCH 303 CFS AT 0900 03-JUL-1999 GH 3.21 FT. SHIFT 0.00 FT. MAX GH 3.21 FT. AT 0900 03-JUL-1999

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. DCP is the primary record with chart recorder as backup.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 10-11; Dec. 18, 1998; Mar. 6-7, 13, 1999 when stage-discharge relationship ice affected; Dec. 19-28, 1998 when float frozen in well; Dec. 29,1998-Mar. 4, 1999 when station closed for winter. Record good except for estimated days listed. Station maintained and record developed by G. T. Anderson.

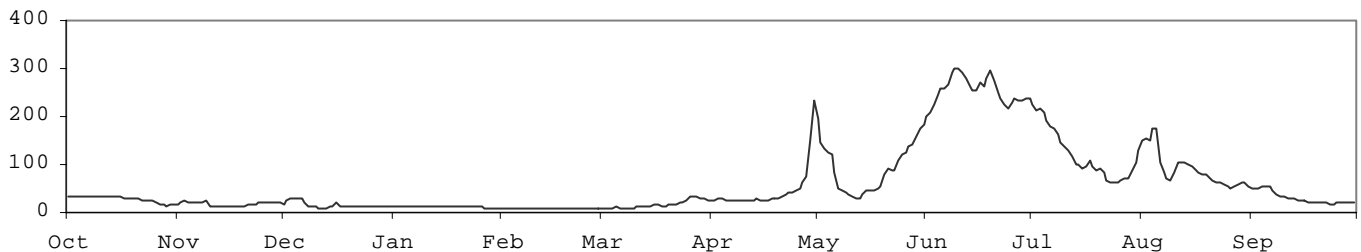
RATING TABLE.--BOCELSCO22 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	17	18	11	10	10	23	196	201	224	150	49
2	33	21	23	11	10	10	26	147	210	214	153	50
3	32	25	28	11	10	10	28	132	225	216	152	49
4	33	22	29	11	10	10	28	127	247	209	175	53
5	33	22	30	11	10	11	26	119	260	191	174	55
6	33	22	30	11	10	10	23	82	258	178	103	54
7	33	22	22	11	10	10	25	49	265	174	82	46
8	33	22	13	11	10	9.0	27	45	291	164	69	36
9	33	26	13	11	10	9.9	27	42	302	144	66	34
10	32	14	11	11	10	9.4	26	39	298	136	82	32
11	32	14	8.6	11	10	13	26	32	291	129	103	31
12	32	12	7.6	11	10	12	25	30	278	116	105	31
13	32	12	6.9	11	10	11	25	31	263	102	103	30
14	32	13	12	11	10	11	28	39	256	99	99	26
15	32	14	12	11	10	12	27	45	253	91	94	24
16	32	14	21	11	10	15	26	46	272	97	87	23
17	30	13	12	11	10	15	26	47	261	107	83	21
18	29	12	11	11	10	14	28	48	280	95	81	21
19	29	12	11	11	10	14	28	56	296	86	80	21
20	30	14	11	11	10	15	30	79	276	90	72	22
21	30	16	11	11	10	15	32	90	250	84	65	21
22	27	16	11	11	10	17	39	89	237	68	63	20
23	24	18	11	11	10	21	42	88	226	62	63	18
24	23	19	11	11	10	22	40	107	218	62	58	18
25	23	19	11	11	10	27	44	119	229	62	53	21
26	19	19	11	11	10	32	48	126	237	67	52	19
27	16	19	11	10	10	32	63	137	234	72	53	19
28	15	19	11	10	10	32	76	143	233	71	59	21
29	14	19	11	10	---	31	151	160	236	87	62	20
30	18	19	11	10	---	31	234	176	236	105	61	20
31	17	---	11	10	---	27	---	182	---	129	54	---
TOTAL	864	526	451.1	336	280	518.3	1297	2848	7619	3731	2756	905
MEAN	27.9	17.5	14.6	10.8	10.0	16.7	43.2	91.9	254	120	88.9	30.2
AC-FT	1710	1040	895	666	555	1030	2570	5650	15110	7400	5470	1800
MAX	33	26	30	11	10	32	234	196	302	224	175	55
MIN	14	12	6.9	10	10	9.0	23	30	201	62	52	18
CAL YR 1998 TOTAL	24885.2		MEAN	68.2	MAX	366	MIN	6.3	AC-FT	49360		
WTR YR 1999 TOTAL	22131.4		MEAN	60.6	MAX	302	MIN	6.9	AC-FT	43900		

MAX DISCH 380 CFS AT 2000 04-AUG-1999 GH 3.05 FT. SHIFT 0.00 FT. MAX GH 3.05 FT. AT 2000 04-AUG-1999

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 AND PERIOD OF RECORD.--15.1 mi²; 1959 to present.

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

REMARKS.--Satellite data is the primary record with chart recorder as backup. Record is complete and reliable except for the following periods: Oct. 1, 1998 when no data received or recorded and Dec. 8, 1998-Mar. 5, 1999 when station closed for the winter. Record good except for Apr. 30; May 1-2; Aug. 5, 1999 which are poor because they were above the rating and the stage-discharge relationship was not well defined and Oct. 1, 1998; Aug. 4, 1999 which were estimated. Partial year station. Station maintained and record developed by Ted Anderson.

RATING TABLE.--COCREPCO08 USED FROM 01-OCT-1998 TO 30-SEP-1999

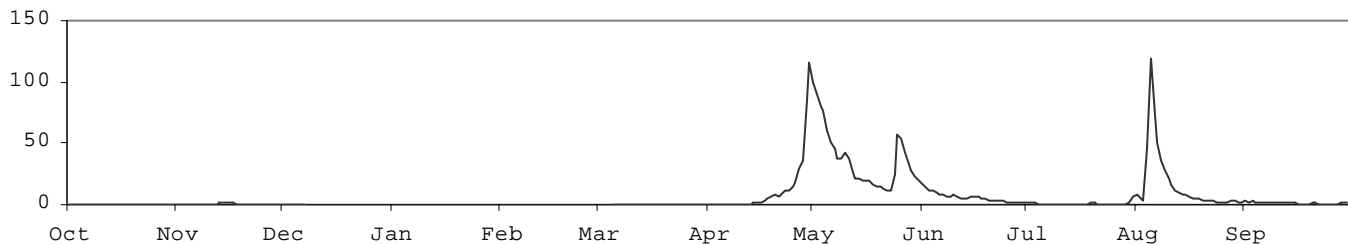
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.31	0.50	0.59	---	---	---	0.54	99	17	1.3	8.0	3.2
2	0.31	0.57	0.59	---	---	---	0.50	90	14	1.1	5.0	2.3
3	0.28	0.59	0.66	---	---	---	0.59	80	12	0.88	3.7	2.8
4	0.31	0.53	0.65	---	---	---	0.56	77	11	0.74	45	2.4
5	0.33	0.52	0.59	---	---	0.49	0.65	61	9.7	0.63	119	2.0
6	0.30	0.55	0.63	---	---	0.40	0.64	51	8.6	0.64	73	1.5
7	0.29	0.58	0.57	---	---	0.61	0.68	45	7.6	0.54	51	1.1
8	0.24	0.60	---	---	---	0.51	0.63	37	6.7	0.39	36	1.1
9	0.21	0.63	---	---	---	0.44	0.56	38	6.7	0.43	27	1.1
10	0.20	0.59	---	---	---	0.47	0.47	42	7.4	0.39	21	0.92
11	0.20	0.70	---	---	---	0.45	0.48	38	6.3	0.33	16	0.97
12	0.22	0.76	---	---	---	0.49	0.51	26	5.5	0.40	12	1.1
13	0.22	0.87	---	---	---	0.53	0.50	22	5.1	0.27	10	1.2
14	0.21	1.0	---	---	---	0.57	2.0	21	5.4	0.24	8.7	1.1
15	0.23	0.95	---	---	---	0.71	2.0	20	6.0	0.37	7.4	0.86
16	0.34	0.88	---	---	---	0.63	2.3	20	6.3	0.73	6.1	0.73
17	0.41	0.82	---	---	---	0.62	3.3	19	6.0	0.63	5.7	0.65
18	0.35	0.76	---	---	---	0.56	5.7	16	5.1	0.45	5.0	0.58
19	0.31	0.70	---	---	---	0.57	7.3	15	4.5	2.0	4.2	0.70
20	0.32	0.59	---	---	---	0.57	7.5	14	4.0	1.7	4.0	1.3
21	0.34	0.63	---	---	---	0.57	6.5	13	3.7	0.67	3.7	0.93
22	0.33	0.69	---	---	---	0.57	8.9	11	3.2	0.49	3.3	0.73
23	0.33	0.67	---	---	---	0.58	11	11	2.8	0.50	2.6	0.63
24	0.33	0.65	---	---	---	0.58	11	24	2.5	0.32	2.3	0.54
25	0.32	0.61	---	---	---	0.57	14	57	2.3	0.38	2.1	0.49
26	0.31	0.61	---	---	---	0.63	18	53	2.0	0.51	2.0	0.47
27	0.39	0.64	---	---	---	0.58	29	42	2.0	0.28	1.7	0.62
28	0.80	0.61	---	---	---	0.63	36	32	1.8	0.43	3.0	0.90
29	0.53	0.65	---	---	---	0.54	85	28	1.6	0.80	3.7	1.1
30	0.50	0.63	---	---	---	0.45	115	23	1.4	2.1	2.2	1.2
31	0.50	---	---	---	---	0.46	---	19	---	6.0	1.7	---
TOTAL	10.28	20.08					371.82	1144	178.2	26.64	496.1	35.21
MEAN	0.33	0.67					12.4	36.9	5.94	0.86	16.0	1.17
AC-FT	20	40					737	2270	353	53	984	70
MAX	0.80	1.0					115	99	17	6.0	119	3.2
MIN	0.20	0.50					0.47	11	1.4	0.24	1.7	0.47

CAL YR 1998 TOTAL 3024.06 MEAN 8.29 MAX 91 MIN 0.01 AC-FT 6000
WTR YR 1999 TOTAL 2282.32 MEAN 6.25 MAX 119 MIN 0.20 AC-FT 4530

MAX DISCH 227 CFS AT 2315 04-AUG-1999 GH 2.09 FT. SHIFT 0.00 FT. MAX GH 2.09 FT. AT 2315 04-AUG-1999

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 AND PERIOD OF RECORD.--976 mi²; 1927 to present.

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 except for the following periods: Dec. 20-21, 1998; Mar. 24-28, 1999 when flow below inlets. Dec. 22-25, 1998 when stage-discharge relationship ice affected. Apr. 11-16, 1999 when new manometer did not work properly. May 20, 1999 when inlets plugged. Record good except for estimated periods above. Station maintained and record developed by Brent Schantz.

RATING TABLE.--SVCPLACO25 USED FROM 01-OCT-1998 TO 30-SEP-1999

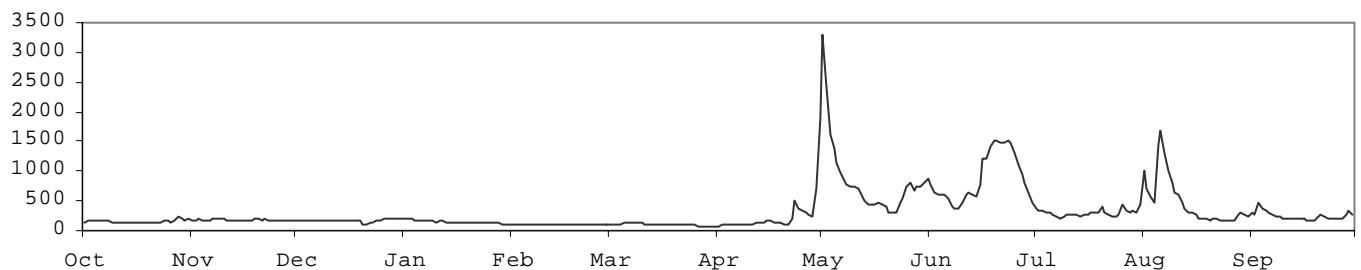
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	178	179	194	117	106	81	3290	777	377	993	290
2	158	176	173	189	113	109	85	2420	625	339	714	270
3	159	192	180	187	114	107	93	1610	603	320	584	469
4	166	179	182	180	112	111	94	1380	613	295	475	379
5	178	177	172	175	114	121	96	1160	596	287	1440	348
6	169	170	166	167	112	119	97	970	542	266	1690	314
7	162	186	159	163	111	119	98	856	418	247	1310	282
8	153	211	158	158	109	127	100	765	369	215	1010	245
9	147	190	167	152	113	123	101	744	385	232	802	225
10	137	190	164	150	112	120	104	754	470	259	629	218
11	133	180	155	152	109	112	110	723	601	269	607	204
12	133	175	167	152	106	112	122	629	650	269	485	195
13	130	173	167	147	106	112	129	501	621	253	366	204
14	127	173	171	143	107	108	145	434	574	239	316	212
15	122	179	169	141	106	103	163	425	768	253	299	205
16	122	174	167	135	108	100	152	429	1220	261	264	194
17	143	168	163	134	108	97	135	455	1220	310	215	182
18	138	177	171	130	108	96	129	428	1430	307	199	182
19	137	193	155	141	108	95	119	408	1500	299	186	185
20	131	189	113	140	106	94	113	312	1530	412	184	226
21	137	185	112	137	106	91	115	315	1480	306	191	260
22	137	189	129	128	109	89	218	297	1480	255	187	235
23	142	156	141	124	106	88	517	467	1500	242	183	216
24	152	179	170	123	107	86	372	524	1470	228	180	205
25	152	185	182	121	106	85	331	746	1300	265	178	194
26	151	176	202	121	107	83	317	804	1120	423	179	197
27	155	175	207	119	104	82	256	675	951	349	184	191
28	219	174	209	119	107	82	238	749	810	301	264	262
29	207	171	212	114	---	80	698	742	642	345	290	324
30	185	175	208	116	---	79	1890	802	458	316	255	279
31	186	---	203	114	---	78	---	887	---	450	236	---
TOTAL	4713	5395	5273	4466	3051	3114	7218	25701	26723	9189	15095	7392
MEAN	152	180	170	144	109	100	241	829	891	296	487	246
AC-FT	9350	10700	10460	8860	6050	6180	14320	50980	53010	18230	29940	14660
MAX	219	211	212	194	117	127	1890	3290	1530	450	1690	469
MIN	122	156	112	114	104	78	81	297	369	215	178	182

CAL YR 1998 TOTAL 94088 MEAN 258 MAX 1170 MIN 112 AC-FT 186600
WTR YR 1999 TOTAL 117330 MEAN 321 MAX 3290 MIN 78 AC-FT 232700

MAX DISCH 3723 CFS AT 0900 01-MAY-1999 GH 7.69 FT. SHIFT -0.13 FT. MAX GH 7.69 FT. AT 0900 01-MAY-1999

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



PLATTE RIVER BASIN
WIND RIVER NEAR ESTES PARK, CO

LOCATION.--Lat 40°19'38", long 105°34'53"

DRAINAGE AREA.--N/A

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

REMARKS.--For Oct. 1-22, 1998 and Apr. 21-26, 1999 record was taken from chart. For the remainder of the year the record was satellite data. The record is complete and reliable except for the following days: Aug. 4-6, 1999 when DCP and clock off. The record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.-- WINDESCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

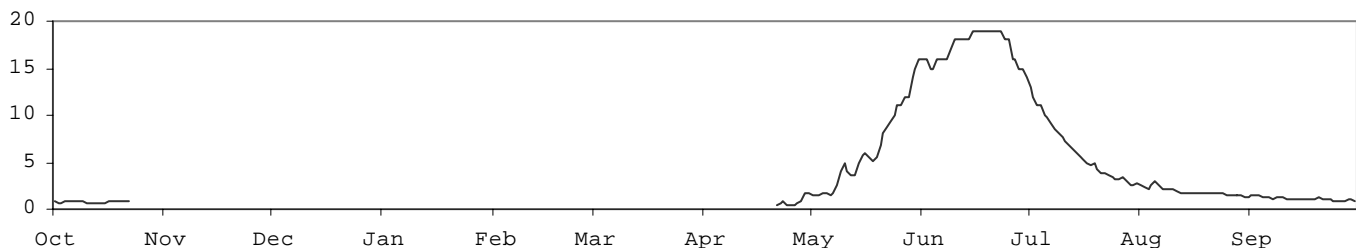
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.80	---	---	---	---	---	---	1.4	16	13	2.5	1.4
2	0.72	---	---	---	---	---	---	1.4	16	12	2.3	1.5
3	0.74	---	---	---	---	---	---	1.5	15	11	2.1	1.4
4	0.89	---	---	---	---	---	---	1.6	15	11	2.5	1.3
5	0.89	---	---	---	---	---	---	1.6	16	10	3.0	1.2
6	0.80	---	---	---	---	---	---	1.5	16	9.7	2.5	1.2
7	0.80	---	---	---	---	---	---	1.7	16	9.1	2.2	1.1
8	0.80	---	---	---	---	---	---	2.5	16	8.6	2.1	1.2
9	0.80	---	---	---	---	---	---	4.0	17	8.1	2.1	1.2
10	0.72	---	---	---	---	---	---	4.8	18	7.6	2.1	1.2
11	0.72	---	---	---	---	---	---	4.1	18	7.3	1.9	1.1
12	0.72	---	---	---	---	---	---	3.6	18	6.8	1.8	1.1
13	0.72	---	---	---	---	---	---	3.7	18	6.3	1.7	1.1
14	0.72	---	---	---	---	---	---	4.9	18	6.0	1.7	1.1
15	0.74	---	---	---	---	---	---	5.7	19	5.6	1.7	1.1
16	0.80	---	---	---	---	---	---	5.9	19	5.3	1.7	1.0
17	0.89	---	---	---	---	---	---	5.6	19	5.0	1.7	1.0
18	0.80	---	---	---	---	---	---	5.2	19	4.7	1.6	1.0
19	0.80	---	---	---	---	---	---	5.5	19	4.8	1.7	1.1
20	0.80	---	---	---	---	---	---	6.9	19	4.2	1.8	1.2
21	0.80	---	---	---	---	---	0.40	8.0	19	3.9	1.7	1.1
22	0.80	---	---	---	---	---	0.67	8.7	19	3.8	1.6	1.0
23	---	---	---	---	---	---	0.82	9.4	19	3.6	1.6	1.0
24	---	---	---	---	---	---	0.38	10	18	3.5	1.6	0.95
25	---	---	---	---	---	---	0.39	11	18	3.2	1.5	0.88
26	---	---	---	---	---	---	0.43	11	16	3.1	1.4	0.89
27	---	---	---	---	---	---	0.57	12	16	3.3	1.4	0.89
28	---	---	---	---	---	---	0.77	12	15	2.9	1.5	0.96
29	---	---	---	---	---	---	1.6	14	15	2.6	1.4	0.99
30	---	---	---	---	---	---	1.6	15	14	2.5	1.3	0.90
31	---	---	---	---	---	---	---	16	---	2.7	1.3	---
TOTAL								200.2	516	191.2	57.0	33.06
MEAN								6.46	17.2	6.17	1.84	1.10
AC-FT								397	1020	379	113	66
MAX								16	19	13	3.0	1.5
MIN								1.4	14	2.5	1.3	0.88

PARTIAL YEAR RECORD ONLY

MAX DISCH 20 CFS AT 1300 15-JUN-1999 GH 1.15 FT. SHIFT 0.00 FT. MAX GH 1.15 FT. AT 1300 15-JUN-1999

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. Record is complete and reliable except for the following periods: Station was closed for winter Dec. 9, 1998-Feb. 16, 1999. Record good except for estimated days of winter record. Station maintained and record developed by Merlin Friedrichsen.

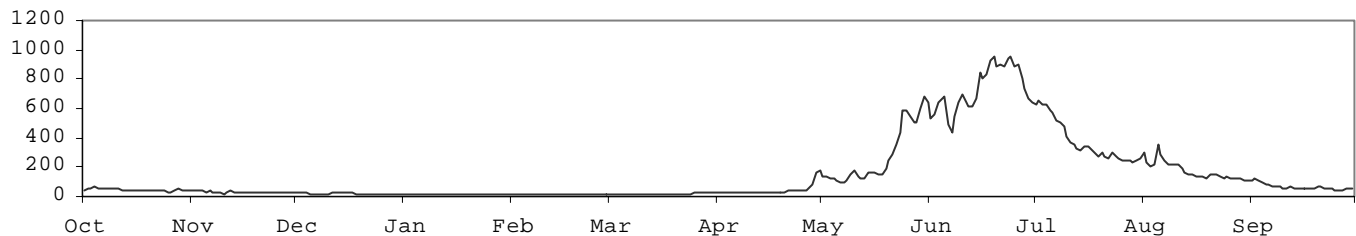
RATING TABLE.--BTABESCO09 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	38	22	18	18	15	25	137	529	630	294	109
2	52	40	22	18	18	14	23	131	565	654	233	116
3	54	39	22	18	18	14	22	128	644	628	202	107
4	65	35	21	18	18	15	23	122	670	621	215	98
5	58	33	19	18	18	13	21	106	680	586	353	87
6	57	35	10	18	18	14	22	93	487	566	293	77
7	57	33	12	18	18	16	23	91	434	522	250	71
8	59	34	14	18	18	14	26	111	546	503	224	68
9	56	33	16	18	18	14	25	146	643	477	214	65
10	54	19	18	18	18	16	21	175	691	415	214	61
11	49	26	21	18	18	14	23	143	639	370	213	61
12	46	36	21	18	18	13	23	124	620	351	190	64
13	44	33	21	18	18	16	24	122	620	324	165	59
14	43	33	21	18	18	16	28	165	665	315	152	56
15	42	31	21	18	18	16	27	158	852	343	145	56
16	42	30	21	18	18	16	23	163	799	343	142	51
17	42	28	21	18	16	16	25	152	834	325	135	49
18	38	27	20	18	16	16	25	152	928	296	130	49
19	39	26	20	18	16	17	26	187	960	273	128	52
20	40	23	20	18	15	19	29	245	886	304	156	66
21	36	27	20	18	14	20	36	287	898	277	150	66
22	39	29	18	18	14	20	43	356	881	265	153	58
23	37	25	18	18	14	19	38	443	944	305	135	52
24	35	24	18	18	13	20	40	591	948	271	124	49
25	34	27	18	18	14	21	47	586	890	263	130	45
26	34	24	18	18	14	23	46	545	901	247	122	42
27	37	24	18	18	13	26	56	506	808	246	122	43
28	50	23	18	18	14	23	76	509	730	248	125	50
29	40	24	18	18	---	21	158	600	663	233	117	49
30	44	23	18	18	---	22	171	687	635	244	108	51
31	41	---	18	18	---	22	---	637	---	265	103	---
TOTAL	1411	882	583	558	461	541	1195	8598	21990	11710	5437	1927
MEAN	45.5	29.4	18.8	18.0	16.5	17.5	39.8	277	733	378	175	64.2
AC-FT	2800	1750	1160	1110	914	1070	2370	17050	43620	23230	10780	3820
MAX	65	40	22	18	18	26	171	687	960	654	353	116
MIN	34	19	10	18	13	13	21	91	434	233	103	42
CAL YR 1998 TOTAL		44907	MEAN	123	MAX	609	MIN	10	AC-FT	89070		
WTR YR 1999 TOTAL		55293	MEAN	151	MAX	960	MIN	10	AC-FT	109700		

MAX DISCH 1165 CFS AT 0130 24-JUN-1999 GH 6.10 FT. SHIFT -0.09 FT. MAX GH 6.10 FT. AT 0130 24-JUN-1999

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 AND PERIOD OF RECORD.--16.9 mi²; 1946 to present.

GAGE.--Graphic water-stage recorder with satellite telemetry at 5' Parshall flume. DCP is primary record with chart recorder as backup.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 11, 1998-Mar. 24, 1999 when the station was closed for the winter. Record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--FISHESCO06 USED FROM 01-OCT-1998 TO 30-SEP-1999

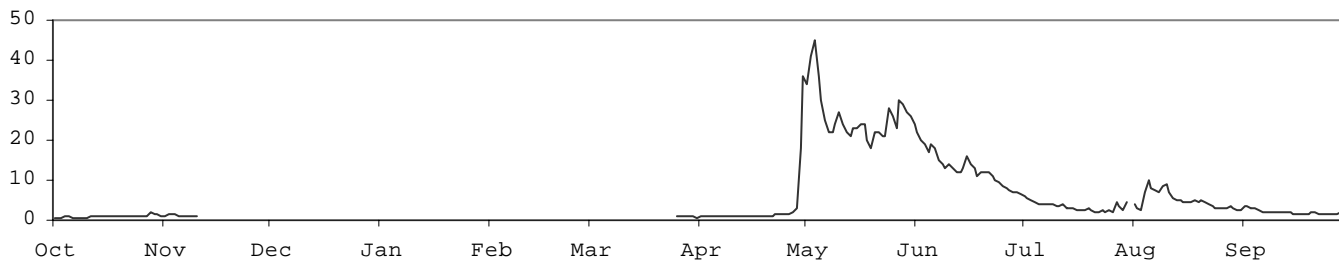
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.69	1.2	---	---	---	---	0.78	34	22	5.8	3.8	3.7
2	0.69	1.4	---	---	---	---	0.78	41	20	5.5	2.9	3.6
3	0.69	1.6	---	---	---	---	0.98	45	19	4.9	2.6	3.1
4	0.98	1.6	---	---	---	---	1.2	36	17	4.5	6.8	2.8
5	0.78	1.2	---	---	---	---	1.1	30	19	4.2	10	2.5
6	0.69	1.2	---	---	---	---	0.98	25	18	4.2	7.9	2.1
7	0.69	1.2	---	---	---	---	0.78	22	15	3.9	7.7	1.9
8	0.69	1.2	---	---	---	---	0.98	22	14	4.2	7.1	2.0
9	0.69	1.2	---	---	---	---	0.98	24	13	4.1	8.3	2.0
10	0.75	0.98	---	---	---	---	1.1	27	14	3.4	8.8	1.9
11	0.78	---	---	---	---	---	0.88	24	13	3.3	7.0	1.9
12	0.78	---	---	---	---	---	0.78	22	12	3.9	5.6	1.9
13	0.78	---	---	---	---	---	0.78	21	12	2.9	5.2	1.9
14	0.78	---	---	---	---	---	0.78	23	13	2.8	5.0	1.9
15	0.78	---	---	---	---	---	0.88	23	16	3.0	4.7	1.7
16	0.78	---	---	---	---	---	1.2	24	14	2.7	4.5	1.6
17	0.98	---	---	---	---	---	1.1	24	13	2.6	4.6	1.6
18	0.88	---	---	---	---	---	0.88	20	11	2.4	5.2	1.5
19	0.78	---	---	---	---	---	0.78	18	12	3.1	4.5	1.7
20	0.78	---	---	---	---	---	0.78	22	12	2.7	5.0	2.2
21	0.88	---	---	---	---	---	0.78	22	12	2.2	4.3	1.9
22	0.88	---	---	---	---	---	1.3	21	11	2.2	3.8	1.6
23	0.88	---	---	---	---	---	1.3	21	10	2.4	3.3	1.6
24	0.88	---	---	---	---	---	1.3	28	9.5	2.2	3.1	1.5
25	0.88	---	---	---	---	0.88	1.6	26	8.7	2.5	3.1	1.4
26	0.88	---	---	---	---	0.88	1.4	23	8.2	2.0	3.1	1.3
27	0.98	---	---	---	---	0.88	1.9	30	7.7	4.7	3.1	1.3
28	1.8	---	---	---	---	0.88	2.8	29	7.2	3.3	3.3	1.8
29	1.3	---	---	---	---	1.1	18	27	6.9	2.4	2.9	2.2
30	1.3	---	---	---	---	0.78	36	26	6.4	4.4	2.5	2.0
31	1.2	---	---	---	---	0.69	---	24	---	---	2.3	---
TOTAL	27.30						84.88	804	386.6	102.4	152.0	60.1
MEAN	0.88						2.83	25.9	12.9	3.41	4.90	2.00
AC-FT	54						168	1590	767	203	301	119
MAX	1.8						36	45	22	5.8	10	3.7
MIN	0.69						0.78	18	6.4	2.0	2.3	1.3

PARTIAL YEAR RECORD ONLY

MAX DISCH 46 CFS AT 1800 27-MAY-1999 GH 1.72 FT. SHIFT -0.02 FT. MAX GH 1.72 FT. AT 1800 27-MAY-1999

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 except for the following period: Dec. 21, 1998-Jan. 4, 1999 when inlets were frozen. The record is good, except for days when inlets frozen which are estimated. Station maintained and record developed by Merlin Friedrichsen.

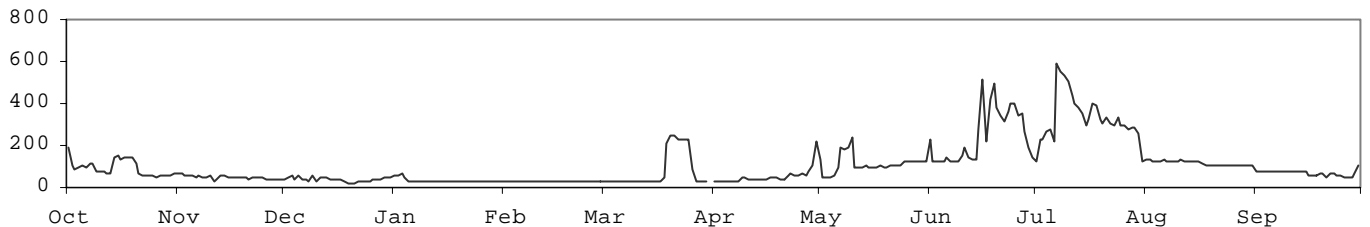
RATING TABLE.--BTBLES010 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188	65	34	54	25	25	25	138	227	127	129	77
2	106	62	48	58	26	27	26	51	127	225	129	76
3	86	59	53	62	26	27	26	50	127	227	127	77
4	99	56	36	46	26	28	26	51	127	271	128	77
5	104	53	54	27	25	26	26	55	128	276	128	77
6	94	52	35	27	25	25	26	100	147	221	129	76
7	115	53	35	27	25	25	25	189	126	586	128	75
8	112	51	29	28	25	25	29	179	125	556	127	77
9	78	51	59	28	25	25	46	195	127	536	127	77
10	79	57	27	27	25	25	47	234	149	505	128	77
11	80	31	47	27	25	25	35	100	191	439	129	75
12	69	42	47	26	26	26	37	99	141	400	127	76
13	71	55	47	26	26	26	37	98	129	385	128	77
14	141	54	39	26	26	26	37	101	132	348	128	77
15	151	49	38	26	26	26	37	100	273	299	127	77
16	131	48	37	26	26	26	37	100	510	324	127	60
17	144	47	40	26	26	26	50	99	216	402	115	59
18	142	47	28	26	26	43	51	102	421	387	104	55
19	141	45	22	26	26	205	51	99	493	324	101	65
20	116	45	22	26	26	245	37	100	381	304	104	68
21	62	37	22	26	26	246	40	102	343	336	102	46
22	55	43	24	26	27	233	53	105	319	304	101	70
23	61	48	27	26	26	231	63	104	365	299	103	67
24	58	45	30	26	26	231	53	102	400	333	103	59
25	58	43	33	26	26	229	53	127	398	300	102	53
26	52	40	35	26	25	86	62	128	341	295	102	50
27	53	42	38	26	25	28	56	127	352	272	101	45
28	59	42	41	26	25	28	72	127	268	284	103	45
29	58	42	44	26	---	28	102	126	195	283	102	67
30	59	41	48	25	---	28	216	128	140	260	103	105
31	68	---	51	25	---	---	---	128	---	128	102	---
TOTAL	2890	1445	1170	929	718	2300	1481	3544	7418	10236	3594	2062
MEAN	93.2	48.2	37.7	30.0	25.6	76.7	49.4	114	247	330	116	68.7
AC-FT	5730	2870	2320	1840	1420	4560	2940	7030	14710	20300	7130	4090
MAX	188	65	59	62	27	246	216	234	510	586	129	105
MIN	52	31	22	25	25	25	25	50	125	127	101	45
CAL YR 1998 TOTAL		43482	MEAN	119	MAX	592	MIN	22	AC-FT	86250		
WTR YR 1999 TOTAL		37787	MEAN	104	MAX	586	MIN	22	AC-FT	74950		

MAX DISCH 982 CFS AT 0045 16-JUN-1999 GH 5.72 FT. SHIFT 0.00 FT. MAX GH 5.72 FT. AT 0045 16-JUN-1999

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-1998 TO 30-SEP-1999

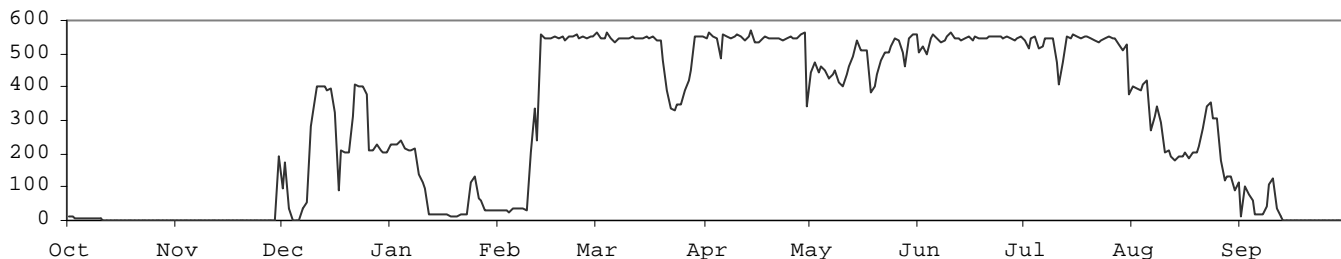
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	0.0	94	227	28	563	548	443	504	541	403	14
2	13	0.0	176	231	28	549	563	474	524	516	398	101
3	4.5	0.0	36	226	31	547	554	446	500	544	389	78
4	4.3	0.0	0.0	240	26	564	544	462	545	553	410	58
5	3.8	0.0	0.0	216	35	546	486	449	560	514	420	20
6	3.6	0.0	0.0	213	34	534	561	427	545	523	269	20
7	3.6	0.0	39	209	36	549	550	441	535	546	312	19
8	3.4	0.0	52	215	34	545	547	452	543	545	344	42
9	3.2	0.0	281	138	33	546	550	417	553	549	295	111
10	3.2	0.0	327	113	202	549	557	404	563	475	202	124
11	2.2	0.0	405	95	337	555	554	440	549	406	211	37
12	1.9	0.0	403	16	238	544	542	463	544	474	194	12
13	1.8	0.0	402	17	556	546	555	494	540	551	182	0.0
14	1.8	0.0	392	16	545	549	570	539	544	549	190	0.0
15	1.8	0.0	397	16	548	554	535	511	552	556	190	0.0
16	1.7	0.0	325	16	549	549	533	512	540	552	202	0.0
17	1.6	0.0	88	16	552	551	546	512	550	549	184	0.0
18	0.0	0.0	211	15	545	543	552	387	549	550	202	0.0
19	0.0	0.0	207	15	550	539	546	400	545	552	202	0.0
20	0.0	0.0	202	15	542	480	547	436	544	549	222	0.0
21	0.0	0.0	312	16	551	388	547	483	552	542	279	0.0
22	0.0	0.0	406	16	551	334	546	502	554	533	345	0.0
23	0.0	0.0	401	17	560	331	540	503	555	543	355	0.0
24	0.0	0.0	402	116	547	350	546	523	551	546	306	0.0
25	0.0	0.0	377	134	554	350	553	547	547	555	304	0.0
26	0.0	0.0	212	64	548	390	548	543	554	546	180	0.0
27	0.0	0.0	210	59	552	418	548	507	546	544	119	0.0
28	0.0	0.0	229	32	555	452	556	464	543	531	131	0.0
29	0.0	0.0	209	29	---	554	563	547	549	509	131	0.0
30	0.0	192	205	28	---	552	341	559	550	526	93	0.0
31	0.0	---	205	32	---	551	---	558	---	377	115	---
TOTAL	66.4	192	7205	2808	9867	15572	16228	14845	16330	16346	7779	636
MEAN	2.14	6.40	232	90.6	352	502	541	479	544	527	251	21.2
AC-FT	132	381	14290	5570	19570	30890	32190	29450	32390	32420	15430	1260
MAX	13	192	406	240	560	564	570	559	563	556	420	124
MIN	0.0	0.0	0.0	15	26	331	341	387	500	377	93	0.0

CAL YR 1998 TOTAL 94760.6 MEAN 260 MAX 560 MIN 0.00 AC-FT 188000
WTR YR 1999 TOTAL 107874.4 MEAN 296 MAX 570 MIN 0.00 AC-FT 214000

MAX DISCH 593 CFS AT 1715 14-APR-1999 GH 8.21 FT. SHIFT 0.00 FT. MAX GH 8.21 FT. AT 1715 14-APR-1999

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 AND PERIOD OF RECORD.--85.1 mi²; 1947 to present.

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. 10, 1998 when the station was ice affected and Nov. 11, 1998-Mar. 24, 1999 when the station was closed. Record good except for estimated days which are poor. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--BTNFDRCO10 USED FROM 01-OCT-1998 TO 30-SEP-1999

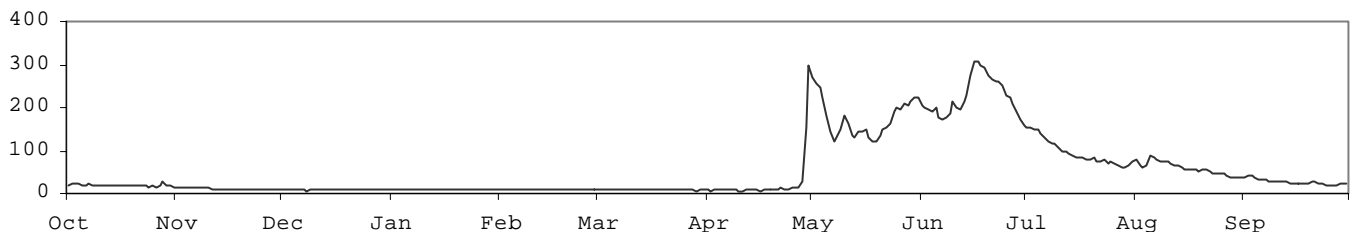
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	15	9.0	9.0	8.0	8.0	7.8	270	204	152	81	38
2	23	16	8.0	9.0	8.0	8.0	6.5	256	200	154	66	44
3	21	15	8.0	9.0	8.0	8.0	8.3	248	196	150	60	41
4	23	13	8.0	9.0	8.0	8.0	7.1	225	193	149	63	39
5	20	13	7.0	9.0	8.0	8.0	7.1	181	198	138	90	34
6	19	14	7.0	8.0	8.0	7.0	7.0	143	178	130	86	32
7	21	13	7.0	8.0	8.0	7.0	7.8	120	174	123	80	31
8	20	16	6.4	8.0	7.0	7.0	7.9	129	178	116	75	30
9	19	16	7.0	8.0	7.0	7.0	7.2	148	184	116	73	29
10	19	13	7.0	8.0	7.0	7.0	5.7	180	215	105	75	28
11	18	11	7.0	8.0	7.0	7.0	6.5	162	198	99	72	28
12	18	11	7.0	8.0	7.0	7.0	7.6	135	195	99	67	28
13	17	11	7.0	8.0	7.0	7.0	7.4	128	212	91	63	27
14	17	11	8.0	8.0	7.0	7.0	8.1	142	226	87	62	25
15	17	11	8.0	8.0	7.0	7.0	7.1	146	274	86	58	25
16	18	11	8.0	8.0	7.0	7.0	6.4	148	305	84	56	24
17	19	11	8.0	8.0	7.0	7.0	8.5	130	309	84	55	22
18	18	11	8.0	8.0	7.0	7.0	8.7	120	296	81	54	22
19	18	11	9.0	8.0	7.0	7.0	8.9	121	291	79	51	23
20	18	11	9.0	8.0	7.0	7.0	9.4	136	276	85	57	28
21	17	11	9.0	9.0	8.0	7.0	9.5	148	267	76	54	27
22	18	11	9.0	9.0	8.0	7.0	12	154	260	73	51	22
23	17	11	9.0	9.0	8.0	7.0	11	165	262	78	48	21
24	16	11	10	9.0	8.0	7.0	11	193	250	69	45	20
25	17	11	10	9.0	8.0	7.4	15	198	227	74	46	20
26	16	10	10	9.0	8.0	8.0	14	194	222	68	46	20
27	18	10	10	9.0	8.0	8.3	16	207	207	63	41	20
28	26	10	10	9.0	8.0	7.3	28	206	191	61	39	21
29	17	9.0	10	9.0	---	6.8	153	212	174	60	38	22
30	17	9.0	9.0	8.0	---	7.6	299	224	160	64	36	24
31	16	---	9.0	8.0	---	7.2	---	223	---	75	36	---
TOTAL	578	357.0	258.4	262.0	211.0	225.6	719.5	5392	6722	2969	1824	815
MEAN	18.6	11.9	8.34	8.45	7.54	7.28	24.0	174	224	95.8	58.8	27.2
AC-FT	1150	708	513	520	419	447	1430	10700	13330	5890	3620	1620
MAX	26	16	10	9.0	8.0	8.3	299	270	309	154	90	44
MIN	16	9.0	6.4	8.0	7.0	6.8	5.7	120	160	60	36	20

CAL YR 1998 TOTAL 14903.4 MEAN 40.8 MAX 145 MIN 6.4 AC-FT 29560
WTR YR 1999 TOTAL 20333.5 MEAN 55.7 MAX 309 MIN 5.7 AC-FT 40330

MAX DISCH 318 CFS AT 1200 30-APR-1999 GH 6.31 FT. SHIFT -1.34 FT. MAX GH 6.31 FT. AT 1200 30-APR-1999

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



PLATTE RIVER BASIN

DILLE TUNNEL (EAST PORTAL) NEAR DRAKE, CO

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

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

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

RATING TABLE.--DILTUNCO03 USED FROM 01-OCT-1998 TO 30-SEP-1999

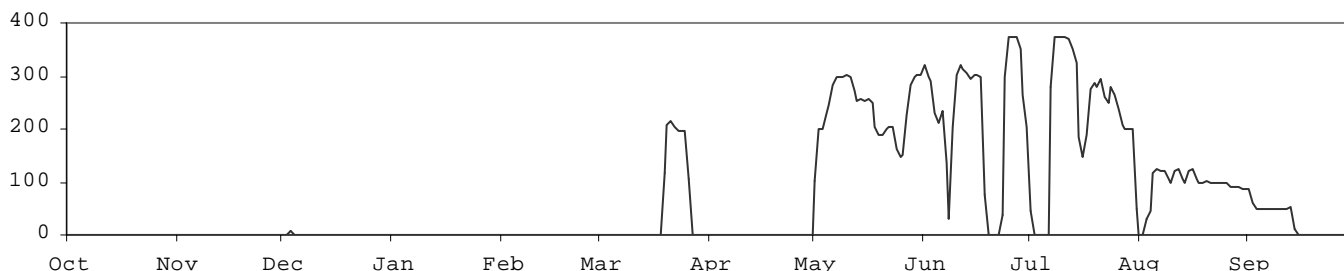
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	101	322	47	0.0	85
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200	299	0.0	0.0	60
3	0.0	0.0	9.4	0.0	0.0	0.0	0.0	199	292	0.0	32	50
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	230	232	0.0	45	49
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	246	210	0.0	118	49
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	284	233	0.0	126	49
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	299	135	280	120	48
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	299	29	374	120	50
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	299	205	373	105	50
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	302	302	374	100	50
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	300	319	374	120	50
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	271	312	368	124	50
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	251	305	351	106	51
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	256	296	326	100	13
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	252	303	184	119	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	256	302	149	124	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	248	299	187	106	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	204	76	274	98	0.0
19	0.0	0.0	0.0	0.0	0.0	116	0.0	189	0.0	285	99	0.0
20	0.0	0.0	0.0	0.0	0.0	209	0.0	188	0.0	280	101	0.0
21	0.0	0.0	0.0	0.0	0.0	214	0.0	199	0.0	295	100	0.0
22	0.0	0.0	0.0	0.0	0.0	204	0.0	203	0.0	262	99	0.0
23	0.0	0.0	0.0	0.0	0.0	195	0.0	203	37	249	100	0.0
24	0.0	0.0	0.0	0.0	0.0	196	0.0	161	298	279	100	0.0
25	0.0	0.0	0.0	0.0	0.0	197	0.0	146	373	264	100	0.0
26	0.0	0.0	0.0	0.0	0.0	105	0.0	150	373	236	100	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	226	374	208	92	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	283	351	200	90	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	298	266	200	89	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	301	204	200	88	0.0
31	0.0	---	0.0	0.0	---	0.0	---	301	---	49	88	---
TOTAL	0.0	0.0	9.4	0.0	0.0	1436	0.0	7345	6747	6668	2909	704
MEAN	0.0	0.0	0.30	0.0	0.0	46.3	0.0	237	225	215	93.8	23.5
AC-FT	0.0	0.0	19	0.0	0.0	2850	0.0	14570	13380	13230	5770	1400
MAX	0.0	0.0	9.4	0.0	0.0	214	0.0	302	374	374	126	85
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101	0.0	0.0	0.0	0.0

CAL YR 1998 TOTAL 14671.7 MEAN 40.2 MAX 350 MIN 0.00 AC-FT 29100
WTR YR 1999 TOTAL 25818.4 MEAN 70.7 MAX 374 MIN 0.00 AC-FT 51210

MAX DISCH 378 CFS AT 0615 26-JUN-1999 GH 4.65 FT. SHIFT 0.00 FT. MAX GH 4.65 FT. AT 0615 26-JUN-1999

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 AND PERIOD OF RECORD.--305 mi²; 1927-1933, 1938 to present.

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.

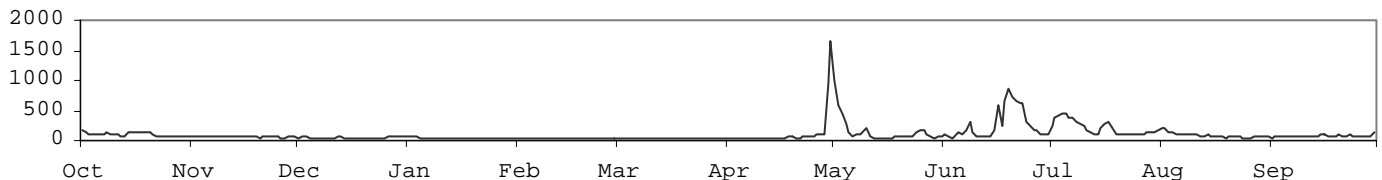
REMARKS.--The primary record is hourly satellite data. Frequent visits throughout the year were necessary due to manometer fluctuations. Data collection errors were checked by comparing the chart and DCP records. Daily maximum and minimum stages for the satellite record checked to within + 0.02 with the chart. Hourly chart readings were used for Nov. 6-11, 1998, when encoder varied from pen and wire weight. Record complete except for Dec. 8, 1998-Feb. 25, 1999 when station was closed for the winter. Record is good except for the following periods: Dec. 8, 1998-Feb. 25, 1999; which was estimated. Apr. 19; May 1; June 24; July 31-Aug. 10, 1999; which are fair due to manometer corrections. Record developed and station maintained by Fred Renner.

RATING TABLE.--RATING TABLE BTCANYCO15 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	81	48	74	34	34	32	990	89	244	224	44
2	144	78	53	72	34	35	32	583	58	382	197	61
3	106	76	60	70	34	34	31	434	45	406	153	69
4	112	70	46	50	34	36	31	274	97	444	150	66
5	113	66	50	40	34	36	31	155	129	453	120	63
6	110	66	50	36	34	29	28	81	104	394	104	61
7	120	68	39	36	34	33	34	106	177	377	97	56
8	122	66	30	36	33	33	33	112	303	297	92	56
9	102	69	45	36	33	31	43	140	129	276	102	55
10	87	62	45	36	33	32	49	203	65	228	111	55
11	89	55	50	36	33	31	45	77	65	162	88	53
12	83	56	55	35	34	33	42	43	58	127	74	53
13	79	65	55	34	34	31	42	43	59	109	84	55
14	124	71	50	34	34	33	44	44	62	102	88	86
15	149	67	48	34	34	34	43	44	165	212	65	99
16	142	62	46	34	34	32	41	42	596	265	57	90
17	147	61	46	34	34	33	47	41	251	296	68	83
18	145	60	40	34	34	32	57	66	650	190	60	79
19	147	57	30	34	34	47	57	73	853	119	51	85
20	131	51	30	34	34	38	51	81	739	106	61	94
21	88	55	30	35	35	38	45	81	665	97	61	83
22	72	52	30	35	35	37	70	79	630	109	57	83
23	71	58	35	35	35	37	82	85	616	119	52	89
24	71	58	40	35	34	39	75	150	304	107	51	83
25	70	53	50	35	34	42	85	188	235	113	50	76
26	68	51	60	35	33	47	88	182	184	117	50	72
27	68	51	70	35	32	38	91	120	171	120	56	69
28	85	53	75	35	33	34	116	65	117	131	58	73
29	73	53	80	35	---	33	958	50	118	130	56	76
30	73	52	78	34	---	34	1670	54	114	126	53	121
31	80	---	76	34	---	33	---	56	---	185	52	---
TOTAL	3237	1843	1540	1212	947	1089	4093	4742	7848	6543	2642	2188
MEAN	104	61.4	49.7	39.1	33.8	35.1	136	153	262	211	85.2	72.9
AC-FT	6420	3660	3050	2400	1880	2160	8120	9410	15570	12980	5240	4340
MAX	166	81	80	74	35	47	1670	990	853	453	224	121
MIN	68	51	30	34	32	29	28	41	45	97	50	44
CAL YR 1998 TOTAL		45265	MEAN	124	MAX	687	MIN	30	AC-FT	89780		
WTR YR 1999 TOTAL		37924	MEAN	104	MAX	1670	MIN	28	AC-FT	75220		

MAX DISCH 2459 CFS AT 1145 30-APR-1999 GH 5.23 FT. SHIFT 0.03 FT. MAX GH 5.23 FT. AT 1145 30-APR-1999
FOORE COMPLETE OR DELED INFORMATION SEEILLY 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 except for the following periods: Dec. 20-25, 1998 when stage-discharge relationship ice affected and July 4-6, 1999 when manometer was not operating correctly. Shaft encoder corrections from Nov. 11, 1998 and Sep. 7, 1999 were entered in Records program and prorated hourly by time. The DCP is the primary source of record with the chart as back up. The record is good except for estimated days. Station maintained and record developed by Fred Renner.

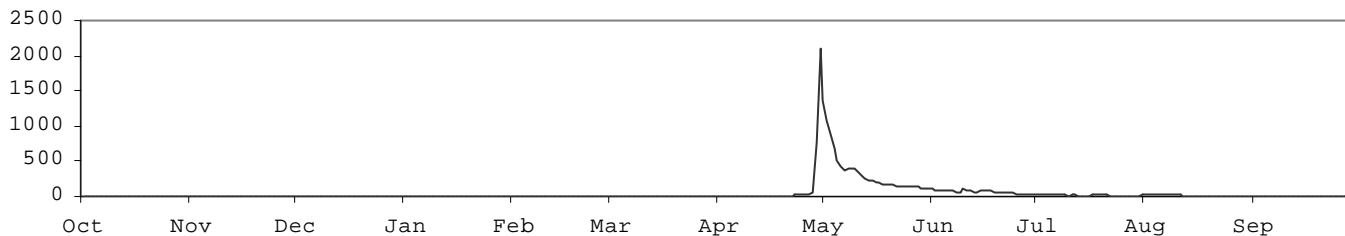
RATING TABLE.--BUCRMVCO06 USED FROM 01-OCT-1998 TO 26-APR-1999
 BUCRMVCO07 USED FROM 27-APR-1999 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	6.0	4.5	3.8	3.7	3.1	4.4	1350	105	28	35	6.5
2	4.0	5.7	4.4	3.8	3.6	3.2	4.6	1080	94	26	26	7.0
3	4.3	5.7	4.2	3.8	3.4	3.1	5.1	877	90	23	20	6.8
4	4.7	5.5	4.4	3.8	3.5	2.9	4.8	675	86	22	18	7.3
5	4.8	5.3	4.2	3.5	3.6	2.9	4.7	521	86	22	23	7.5
6	4.8	5.1	4.2	3.5	3.8	2.9	4.8	412	97	20	29	6.8
7	4.6	6.0	4.0	3.5	3.8	2.9	4.7	377	83	19	24	6.0
8	4.1	5.6	3.5	3.5	3.6	2.9	4.5	384	68	18	19	5.3
9	3.6	5.3	3.4	3.5	3.6	2.9	4.7	389	60	17	17	4.8
10	3.2	5.3	3.5	3.5	4.0	2.9	4.8	396	104	14	16	4.7
11	3.2	4.3	3.3	3.5	3.9	2.9	4.5	328	86	16	15	4.5
12	3.2	4.3	3.3	3.7	3.2	3.2	4.2	279	75	16	13	4.5
13	3.1	4.6	3.6	3.8	3.1	3.3	4.4	248	69	14	11	4.5
14	2.8	4.8	3.9	3.6	3.4	3.6	4.5	231	67	13	11	4.5
15	2.6	5.0	4.2	3.5	3.5	3.6	5.0	216	77	12	12	4.4
16	3.6	5.1	4.2	3.5	3.7	3.7	5.1	208	91	12	11	4.3
17	3.8	5.1	4.2	3.5	3.5	3.8	4.6	211	91	17	10	4.1
18	4.0	5.1	4.2	3.5	3.0	4.0	4.3	184	91	15	9.9	3.8
19	4.2	5.4	3.8	3.9	3.2	3.9	4.6	167	70	15	8.3	4.0
20	4.2	5.2	3.8	4.2	3.3	3.6	6.1	160	64	15	8.3	4.3
21	4.2	4.6	3.5	3.7	3.0	3.9	7.9	175	62	15	9.0	5.0
22	4.2	5.0	3.0	3.5	2.9	4.2	12	153	70	14	9.1	5.3
23	4.1	5.1	2.7	3.5	2.9	4.2	19	145	56	13	9.0	5.0
24	3.8	4.8	2.1	3.7	2.9	4.4	16	147	49	13	8.2	4.5
25	3.9	4.2	2.5	3.8	2.9	4.5	23	150	40	12	7.8	4.2
26	4.2	5.1	2.8	3.8	2.9	4.5	28	133	32	11	8.2	4.0
27	4.5	5.2	3.2	3.7	2.9	4.6	31	131	31	11	7.4	4.0
28	8.3	4.5	3.2	3.4	2.9	4.8	45	151	31	11	7.4	4.5
29	9.7	4.5	3.4	3.4	---	4.8	759	125	32	11	7.4	5.1
30	7.6	4.5	3.5	3.3	---	4.7	2090	117	29	12	7.2	5.7
31	6.9	---	3.6	3.5	---	4.5	---	112	---	17	6.2	---
TOTAL	137.5	151.9	112.3	112.2	93.7	114.4	3125.3	10232	2086	494	423.4	152.9
MEAN	4.44	5.06	3.62	3.62	3.35	3.69	104	330	69.5	15.9	13.7	5.10
AC-FT	273	301	223	223	186	227	6200	20300	4140	980	840	303
MAX	9.7	6.0	4.5	4.2	4.0	4.8	2090	1350	105	28	35	7.5
MIN	2.6	4.2	2.1	3.3	2.9	2.9	4.2	112	29	11	6.2	3.8
CAL YR 1998 TOTAL		9316.4	MEAN	25.5	MAX	162	MIN	2.1	AC-FT	18480		
WTR YR 1999 TOTAL		17235.6	MEAN	47.2	MAX	2090	MIN	2.1	AC-FT	34190		

MAX DISCH 2484 CFS AT 1700 30-APR-1999 GH 12.60 FT. SHIFT 0.12 FT. MAX GH 12.60 FT. AT 1700 30-APR-1999

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

RATING TABLE.--HFCBBS016 USED FROM 01-OCT-1998 TO 30-SEP-1999

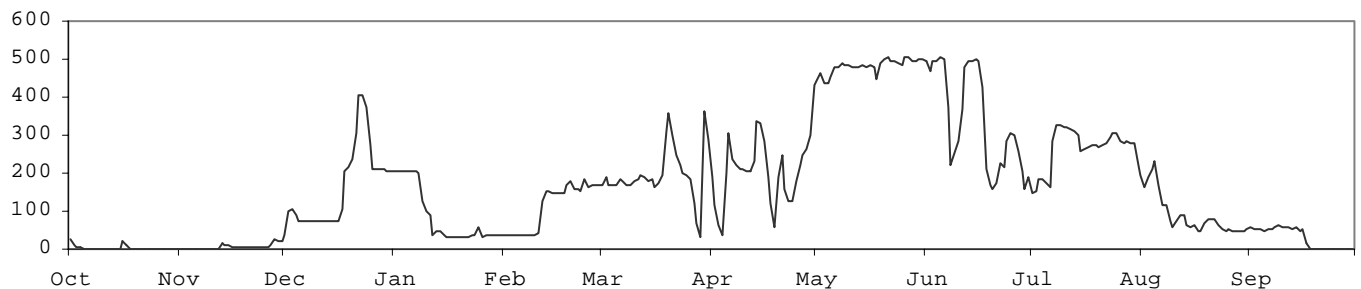
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	0.0	37	205	37	171	192	443	497	150	197	56
2	11	0.0	102	203	37	187	115	461	466	151	161	54
3	3.5	0.0	107	204	38	166	64	438	495	183	191	52
4	2.9	0.0	88	203	36	167	36	437	496	182	213	51
5	1.0	0.0	76	204	35	170	201	452	503	172	230	47
6	0.0	0.0	75	203	37	184	303	478	502	164	166	52
7	0.0	0.0	75	204	38	181	237	480	375	285	118	55
8	0.0	0.0	75	201	38	168	219	487	222	326	115	58
9	0.0	0.0	75	128	35	171	212	486	252	324	75	62
10	0.0	0.0	75	100	36	177	213	483	285	320	58	59
11	0.0	0.0	74	91	40	185	207	478	370	323	74	56
12	0.0	0.0	75	39	126	194	203	477	477	314	89	60
13	0.0	14	75	46	154	188	232	480	494	312	92	55
14	2.4	9.3	75	47	153	180	339	483	495	299	62	56
15	2.6	11	75	36	148	185	332	479	498	260	56	49
16	22	6.0	75	30	148	164	283	484	493	262	64	51
17	9.8	5.7	104	31	147	174	192	477	424	266	49	15
18	2.5	5.4	207	31	147	193	119	449	210	273	50	0.0
19	0.85	5.3	217	33	170	308	60	488	170	272	66	0.0
20	0.0	5.2	236	33	181	356	190	499	158	270	80	0.0
21	0.0	4.9	306	32	159	300	249	503	176	272	78	0.0
22	0.0	4.7	406	33	158	245	159	497	225	281	77	0.0
23	0.0	4.6	405	36	155	223	126	497	216	294	65	0.0
24	0.0	5.5	375	38	182	200	126	490	283	303	52	0.0
25	0.0	5.5	276	56	162	196	177	485	305	304	49	0.0
26	0.0	5.4	212	32	169	185	221	505	300	285	52	0.0
27	0.0	10	209	36	170	123	250	503	256	278	50	0.0
28	0.0	24	210	38	167	66	262	495	204	284	47	0.0
29	0.0	23	208	38	---	33	301	497	156	278	49	0.0
30	0.0	21	206	39	---	365	432	501	192	278	47	0.0
31	0.0	---	204	38	---	288	---	500	---	221	51	---
TOTAL	86.55	170.5	5015	2688	3103	6093	6252	14912	10195	8186	2823	888
MEAN	2.79	5.68	162	86.7	111	197	208	481	340	264	91.1	29.6
AC-FT	172	338	9950	5330	6150	12090	12400	29580	20220	16240	5600	1760
MAX	28	24	406	205	182	365	432	505	503	326	230	62
MIN	0.0	0.0	37	30	35	33	36	437	156	150	47	0.0

CAL YR 1998 TOTAL 38411.45 MEAN 105 MAX 467 MIN 0.00 AC-FT 76190
WTR YR 1999 TOTAL 60412.05 MEAN 166 MAX 505 MIN 0.00 AC-FT 119800

MAX DISCH 579 CFS AT 0845 27-MAY-1999 GH 6.76 FT. SHIFT 0.00 FT. MAX GH 6.76 FT. AT 0845 27-MAY-1999

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. 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. Chart record used on July 14-15 when shaft encoder tape was off pulley wheel and Sep. 11, 1999 when DCP data missing. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--HFCWASCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

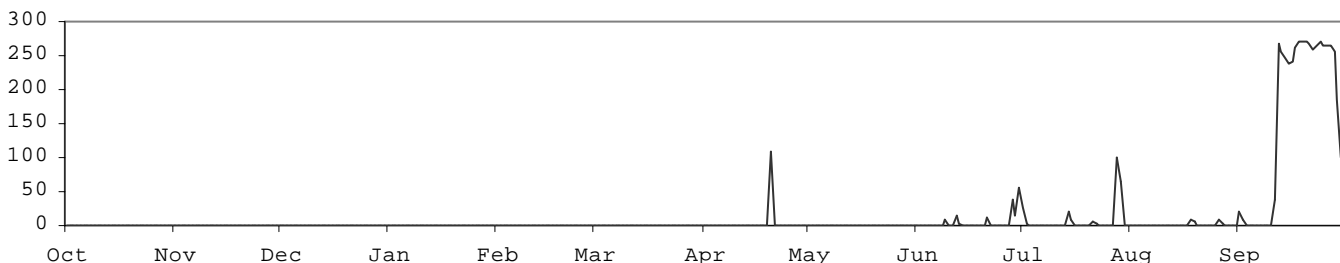
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	27	0.0	22
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	8.8
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	10	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	37
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	269
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	257
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	248
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	8.8	0.0	237
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	241
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	261
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	271
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	272
20	0.0	0.0	0.0	0.0	0.0	0.0	109	0.0	0.0	0.0	0.0	272
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	7.3	0.0	267
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	259
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	265
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	270
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	266
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	264
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.32	0.0	0.0	3.0	265
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	101	0.0	255
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	15	64	0.0	185
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	57	0.0	0.0	100
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	109	0.32	152.4	236.3	25.8	4791.8
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	3.63	0.01	5.08	7.62	0.83	160
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	216	0.63	302	469	51	9500
MAX	0.0	0.0	0.0	0.0	0.0	0.0	109	0.32	57	101	9.8	272
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 1998 TOTAL 12481.7 MEAN 34.2 MAX 489 MIN 0.00 AC-FT 24760
WTR YR 1999 TOTAL 5315.62 MEAN 14.6 MAX 272 MIN 0.00 AC-FT 10540

MAX DISCH 512 CFS AT 1030 20-APR-1999 GH 3.73 FT. SHIFT 0.00 FT. MAX GH 3.73 FT. AT 1030 20-APR-1999

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.

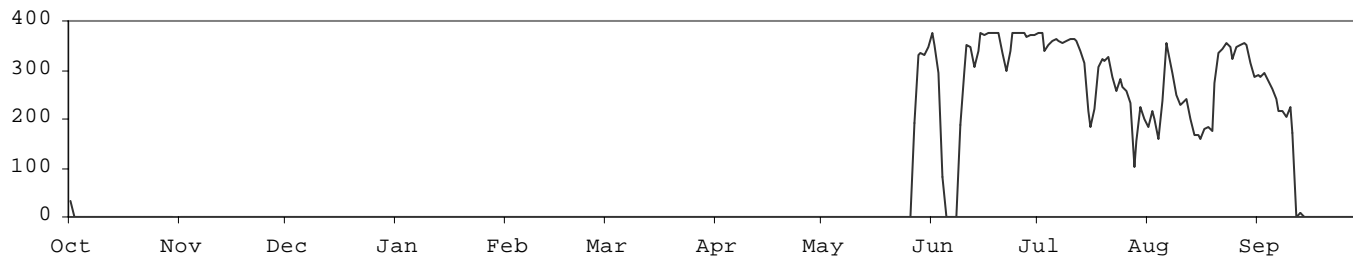
REMARKS.--Record is complete and reliable. Flow at station is intermittent dependent on river flows, water orders, and other regulations. Chart record was used on Aug. 5, 1999. Record is good. Chart record is checked daily when tunnel is in operation. Record developed by Fred Renner.

RATING TABLE.--BTPPMCCO00 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	375	375	184	290
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	353	377	215	284
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	295	339	199	293
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82	349	159	276
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	358	236	263
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	362	356	239
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	336	218
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	356	292	215
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186	360	249	206
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	296	362	227	223
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	353	362	233	173
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	346	359	241	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	307	340	202	6.6
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	340	314	166	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	376	217	167	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	372	184	160	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	376	220	180	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	377	306	184	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	375	322	177	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	374	319	272	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	334	325	335	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	300	286	342	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	337	258	356	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	376	280	346	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	375	267	321	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	376	256	348	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	192	377	232	353	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	332	366	102	356	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	333	372	157	351	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	330	373	226	314	0.0
31	---	---	0.0	0.0	---	0.0	---	347	---	199	286	---
TOTAL	34	0.0	0.0	0.0	0.0	0.0	0.0	1534	8769	9129	8143	2686.6
MEAN	1.13	0.0	0.0	0.0	0.0	0.0	0.0	49.5	292	294	263	89.6
AC-FT	67	0.0	0.0	0.0	0.0	0.0	0.0	3040	17390	18110	16150	5330
MAX	34	0.0	0.0	0.0	0.0	0.0	0.0	347	377	377	356	293
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	159	0.0
CAL YR 1998 TOTAL		24760	MEAN	67.8	MAX	404	MIN	0.00	AC-FT	49110		
WTR YR 1999 TOTAL		30295.6	MEAN	83.0	MAX	377	MIN	0.00	AC-FT	60090		

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. Data Collection Platform was the primary record having the chart as backup. Water was run Oct. 1-31, 1998 and Apr. 1-Sep. 30, 1999. Record is good. This station will no longer be published in the Colorado Streamflow Data Report. In the future records will be kept as part of Colorado DWR Diversion Data for Water District 6 under ID# 4515---Boulder Reservoir. Record developed by Merlin Friedrichsen.

RATING TABLE.--BCSCBCCO2 USED FROM 01-OCT-1998 TO 30-SEP-1999

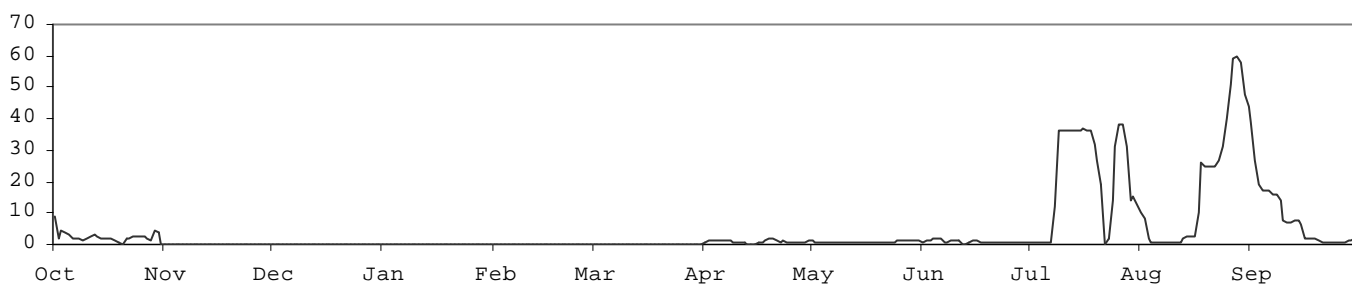
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	0.0	0.0	0.0	0.0	0.0	0.56	1.1	0.93	0.56	10	39
2	1.7	0.0	0.0	0.0	0.0	0.0	1.3	0.88	1.0	0.57	8.5	27
3	4.4	0.0	0.0	0.0	0.0	0.0	1.3	0.78	1.1	0.51	1.7	19
4	4.0	0.0	0.0	0.0	0.0	0.0	1.3	0.60	1.8	0.48	0.85	17
5	3.1	0.0	0.0	0.0	0.0	0.0	1.3	0.54	1.9	0.35	0.83	17
6	2.2	0.0	0.0	0.0	0.0	0.0	1.1	0.54	1.7	0.44	0.65	17
7	2.1	0.0	0.0	0.0	0.0	0.0	1.0	0.56	0.94	0.40	0.63	16
8	2.0	0.0	0.0	0.0	0.0	0.0	1.0	0.56	0.48	12	0.56	16
9	1.5	0.0	0.0	0.0	0.0	0.0	0.59	0.54	1.2	36	0.60	14
10	1.8	0.0	0.0	0.0	0.0	0.0	0.50	0.54	1.4	36	0.66	7.6
11	2.4	0.0	0.0	0.0	0.0	0.0	0.44	0.72	1.1	36	0.57	7.2
12	3.2	0.0	0.0	0.0	0.0	0.0	0.36	0.81	0.31	36	0.64	7.1
13	2.6	0.0	0.0	0.0	0.0	0.0	0.30	0.83	0.16	36	1.6	7.7
14	1.8	0.0	0.0	0.0	0.0	0.0	0.19	0.78	0.47	36	2.6	7.4
15	1.7	0.0	0.0	0.0	0.0	0.0	0.25	0.80	1.0	36	2.4	6.2
16	1.7	0.0	0.0	0.0	0.0	0.0	0.47	0.85	0.96	37	2.4	2.2
17	1.7	0.0	0.0	0.0	0.0	0.0	0.87	0.83	0.93	36	10	1.8
18	1.5	0.0	0.0	0.0	0.0	0.0	1.2	0.72	0.79	36	26	1.7
19	0.86	0.0	0.0	0.0	0.0	0.0	1.8	0.69	0.72	32	25	1.6
20	0.25	0.0	0.0	0.0	0.0	0.0	1.9	0.63	0.61	27	25	1.4
21	1.7	0.0	0.0	0.0	0.0	0.0	1.3	0.51	0.58	19	25	0.84
22	2.1	0.0	0.0	0.0	0.0	0.0	0.87	0.43	0.53	0.30	25	0.72
23	2.8	0.0	0.0	0.0	0.0	0.0	1.3	0.54	0.51	1.9	27	0.69
24	2.7	0.0	0.0	0.0	0.0	0.0	0.57	0.74	0.47	14	31	0.59
25	2.5	0.0	0.0	0.0	0.0	0.0	0.60	1.3	0.49	31	40	0.43
26	2.7	0.0	0.0	0.0	0.0	0.0	0.50	1.2	0.56	38	51	0.62
27	2.0	0.0	0.0	0.0	0.0	0.0	0.44	1.2	0.63	38	59	0.90
28	1.5	0.0	0.0	0.0	0.0	0.0	0.44	1.1	0.47	31	60	0.98
29	4.3	0.0	0.0	0.0	---	0.0	0.81	1.1	0.48	14	58	0.97
30	3.7	0.0	0.0	0.0	---	0.0	1.3	1.1	0.54	15	48	1.7
31	0.0	---	0.0	0.0	---	0.0	---	1.1	---	13	44	---
TOTAL	75.71	0.0	0.0	0.0	0.0	0.0	25.86	24.62	24.77	650.51	589.19	242.34
MEAN	2.44	0.0	0.0	0.0	0.0	0.0	0.86	0.79	0.83	21.0	19.0	8.08
AC-FT	150	0.0	0.0	0.0	0.0	0.0	51	49	49	1290	1170	481
MAX	9.2	0.0	0.0	0.0	0.0	0.0	1.9	1.3	1.9	38	60	39
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.43	0.16	0.30	0.56	0.43

CAL YR 1998 TOTAL 6117.19 MEAN 16.8 MAX 190 MIN 0.00 AC-FT 12130
WTR YR 1999 TOTAL 1633.02 MEAN 4.47 MAX 60 MIN 0.00 AC-FT 3240

MAX DISCH 63 CFS AT 1510 28-AUG-1999 GH 1.33 FT. SHIFT 0.00 FT. MAX GH 1.33 FT. AT 1510 28-AUG-1999

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. Water was run Oct. 1,-Nov. 4, 1998 and Apr. 13-Sep. 30, 1999. Record is good. After this year the Boulder Feeder Canal to the St. Vrain River will no longer be published in the Colorado Streamflow Data Report. Records will be kept as part of Colorado DWR District 5 Diversion Data. Record developed by Merlin Friedrichsen.

RATING TABLE.--BFCLYOCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

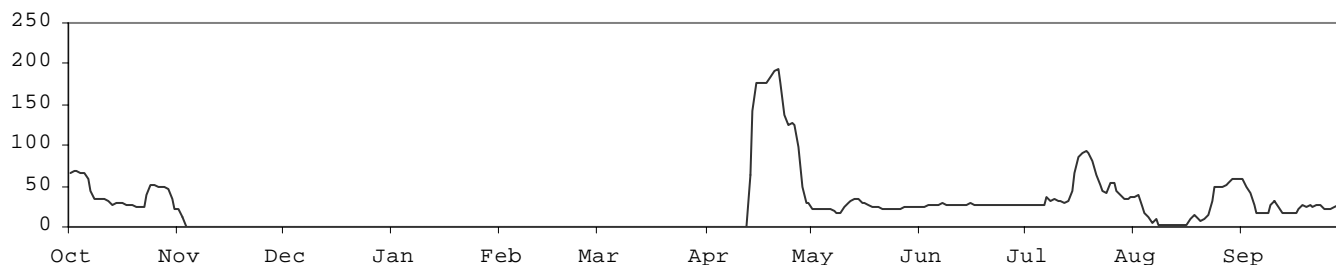
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	21	0.0	0.0	0.0	0.0	0.0	23	25	28	36	58
2	69	13	0.0	0.0	0.0	0.0	0.0	21	24	28	39	49
3	68	0.13	0.0	0.0	0.0	0.0	0.0	21	26	27	24	42
4	67	0.0	0.0	0.0	0.0	0.0	0.0	21	26	26	18	28
5	66	0.0	0.0	0.0	0.0	0.0	0.0	21	28	26	13	18
6	60	0.0	0.0	0.0	0.0	0.0	0.0	21	28	26	4.9	18
7	43	0.0	0.0	0.0	0.0	0.0	0.0	20	29	37	9.8	17
8	34	0.0	0.0	0.0	0.0	0.0	0.0	17	28	33	3.0	18
9	34	0.0	0.0	0.0	0.0	0.0	0.0	17	28	35	3.4	28
10	34	0.0	0.0	0.0	0.0	0.0	0.0	24	28	33	3.4	31
11	34	0.0	0.0	0.0	0.0	0.0	0.0	30	27	31	3.1	25
12	31	0.0	0.0	0.0	0.0	0.0	0.0	31	28	30	3.2	18
13	27	0.0	0.0	0.0	0.0	0.0	63	34	28	32	1.7	17
14	29	0.0	0.0	0.0	0.0	0.0	142	34	28	43	3.1	16
15	30	0.0	0.0	0.0	0.0	0.0	177	30	29	67	2.6	17
16	29	0.0	0.0	0.0	0.0	0.0	177	30	28	87	1.5	18
17	28	0.0	0.0	0.0	0.0	0.0	177	27	28	90	11	21
18	28	0.0	0.0	0.0	0.0	0.0	177	24	28	92	15	26
19	28	0.0	0.0	0.0	0.0	0.0	184	25	28	90	10	25
20	25	0.0	0.0	0.0	0.0	0.0	191	24	28	81	6.3	27
21	25	0.0	0.0	0.0	0.0	0.0	194	23	28	64	10	25
22	24	0.0	0.0	0.0	0.0	0.0	176	22	27	51	14	26
23	39	0.0	0.0	0.0	0.0	0.0	137	21	27	45	32	26
24	51	0.0	0.0	0.0	0.0	0.0	126	21	28	42	49	21
25	51	0.0	0.0	0.0	0.0	0.0	127	21	28	55	48	21
26	49	0.0	0.0	0.0	0.0	0.0	126	22	28	54	50	21
27	48	0.0	0.0	0.0	0.0	0.0	98	24	28	44	51	24
28	48	0.0	0.0	0.0	0.0	0.0	49	25	28	38	55	26
29	47	0.0	0.0	0.0	---	0.0	29	24	27	35	59	26
30	35	0.0	0.0	0.0	---	0.0	29	25	28	35	58	19
31	21	---	0.0	0.0	---	0.0	---	25	---	36	58	---
TOTAL	1268	34.13	0.0	0.0	0.0	0.0	2379	748	827	1441	696.0	752
MEAN	40.9	1.14	0.0	0.0	0.0	0.0	79.3	24.1	27.6	46.5	22.5	25.1
AC-FT	2520	68	0.0	0.0	0.0	0.0	4720	1480	1640	2860	1380	1490
MAX	69	21	0.0	0.0	0.0	0.0	194	34	29	92	59	58
MIN	21	0.0	0.0	0.0	0.0	0.0	0.0	17	24	26	1.5	16

CAL YR 1998 TOTAL 13414.43 MEAN 36.8 MAX 193 MIN 0.00 AC-FT 26610
WTR YR 1999 TOTAL 8145.13 MEAN 22.3 MAX 194 MIN 0.00 AC-FT 16160

MAX DISCH 203 CFS AT 2040 21-APR-1999 GH 2.74 FT. SHIFT 0.00 FT. MAX GH 2.74 FT. AT 2040 21-APR-1999

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 July 14-Sep. 29, 1999. The primary record is mean daily GHs taken from chart. Record is good. This station will no longer be published as part of Colorado Streamflow Data Report. Records for future years will be kept as part of Colorado DWR Water District 6 Diversion Data. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--BFLCHCCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

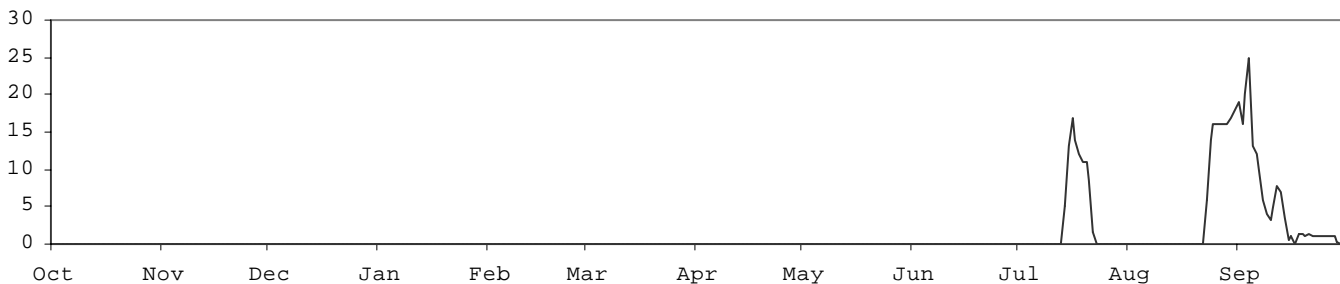
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	19
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	3.5
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.64
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	1.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	1.3
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	1.3
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	1.2
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	1.3
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.2
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	1.2
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	1.2
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	1.2
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	1.1
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	1.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	1.1
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	16	0.19
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	17	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	18	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	93.2	134.9	166.43
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.01	4.35	5.55
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	185	268	330
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	18	25
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 1998 TOTAL 771.16 MEAN 2.11 MAX 24 MIN 0.00 AC-FT 1530
WTR YR 1999 TOTAL 394.53 MEAN 1.08 MAX 25 MIN 0.00 AC-FT 783

MAX DISCH 26 CFS AT 1030 04-SEP-1999 GH 1.37 FT. SHIFT 0.00 FT. MAX GH 1.37 FT. AT 1030 04-SEP-1999

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 Oct. 1-14, 1998 and June 13-Oct. 12, 1999. Record is good. This station will no longer be published as part of Colorado Streamflow Data Report. Records for future years will be kept as part of Colorado DWR Diversion Data for Water District 6 under ID# 4515--Boulder Reservoir. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--DRYCRKCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

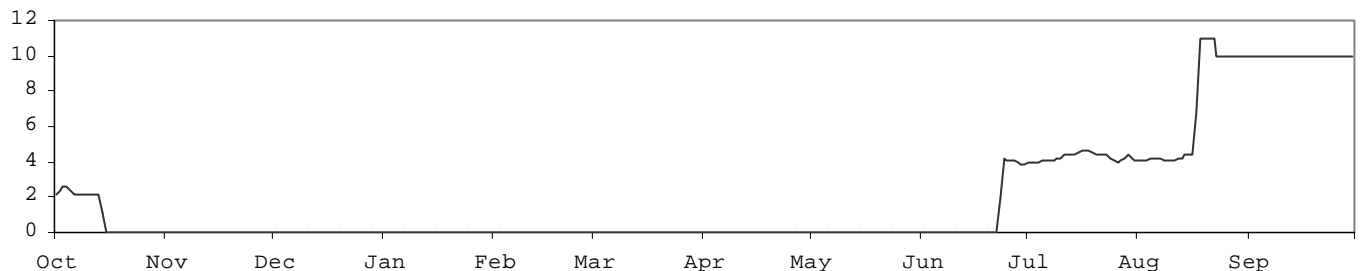
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.1	10
2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.1	10
3	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.1	10
4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.2	10
5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.2	10
6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.2	10
7	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.2	10
8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.1	10
9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.1	10
10	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.1	10
11	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.1	10
12	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.2	10
13	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.2	10
14	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.4	10
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.4	10
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	4.4	10
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	6.8	10
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	11	10
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	11	10
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	11	10
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	11	10
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	11	10
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	4.4	10	10
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.2	10	10
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.1	10	10
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.0	10	10
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.1	10	10
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.2	10	10
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.9	4.4	10	10
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.9	4.2	10	10
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	4.1	10	---
TOTAL	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2	132.1	218.9	300
MEAN	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.01	4.26	7.06	10.0
AC-FT	61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	262	434	595
MAX	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.6	11	10
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.1	10

CAL YR 1998 TOTAL 430.5 MEAN 1.18 MAX 5.5 MIN 0.00 AC-FT 854
WTR YR 1999 TOTAL 712.1 MEAN 1.95 MAX 11 MIN 0.00 AC-FT 1410

MAX DISCH 11 CFS AT 20-AUG-1999 GH 1.06 FT. SHIFT 0.0 FT. MAX GH 1.06 FT. AT 20-AUG-1999

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 Colorado Water Conservancy District Personnel.

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

RATING TABLE.--HFCCCR001 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
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 1998 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		
WTR YR 1999 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.--No CBT water was run during the 1999 Water Year. Gage measures Colorado Big Thompson Project water delivered to the South Platte River near Fort Lupton. After this year, this station will not be published in the Colorado Streamflow Data Report. Records will be found in Colorado DWR District 2 Diversion Data, under ID# 3890---"Coal Ridge Waste Reservoir". Brent Schantz

RATING TABLE.-- SPSCFLC001 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
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
2	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
4	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
6	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
8	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
10	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
12	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
14	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
16	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
18	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
20	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
22	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
24	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
26	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
28	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
30	0.0	---	---	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	---	---	---	---	---	0.0	---	0.0	0.0	---
TOTAL	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
AC-FT	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
MIN	0.0						0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1998 TOTAL		MEAN		MAX		MIN		AC-FT	5880
WTR YR 1999 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

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-Nov. 2, 1998, and Apr. 1-Sep. 30, 1999. The canal was off for the winter. Record is complete and reliable for the entire period. The DCP cable was dislodged from high flows in the canal from Oct. 1-Nov. 2, 1998 and the chart was used as backup. Record is good. After this year, the St. Vrain Supply Canal to the St. Vrain River will no longer be published as part of Colorado Streamflow Data. Records for the future years will be kept as part of Water District 5 Diversion Data. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--SVSLYOCO05 USED FROM 01-OCT-1998 TO 30-SEP-1999

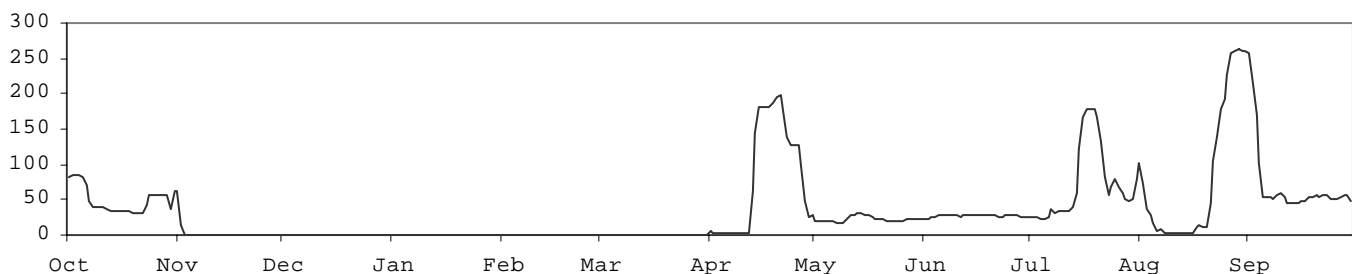
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	62	0.0	0.0	0.0	0.0	4.6	21	24	26	101	258
2	84	13	0.0	0.0	0.0	0.0	3.4	20	23	25	74	214
3	84	0.0	0.0	0.0	0.0	0.0	2.5	20	25	25	38	169
4	84	0.0	0.0	0.0	0.0	0.0	2.5	19	25	24	28	103
5	82	0.0	0.0	0.0	0.0	0.0	2.8	19	27	24	16	54
6	70	0.0	0.0	0.0	0.0	0.0	2.6	19	27	25	5.0	53
7	47	0.0	0.0	0.0	0.0	0.0	2.6	18	28	37	9.8	53
8	40	0.0	0.0	0.0	0.0	0.0	2.5	16	27	32	3.2	52
9	41	0.0	0.0	0.0	0.0	0.0	4.1	16	27	34	3.6	57
10	41	0.0	0.0	0.0	0.0	0.0	2.4	22	27	34	3.5	59
11	41	0.0	0.0	0.0	0.0	0.0	2.8	28	26	33	3.3	53
12	38	0.0	0.0	0.0	0.0	0.0	3.0	29	27	35	3.3	46
13	33	0.0	0.0	0.0	0.0	0.0	63	32	27	40	2.2	46
14	35	0.0	0.0	0.0	0.0	0.0	143	32	28	60	3.1	46
15	35	0.0	0.0	0.0	0.0	0.0	180	28	29	121	2.6	46
16	35	0.0	0.0	0.0	0.0	0.0	181	27	28	166	1.8	47
17	34	0.0	0.0	0.0	0.0	0.0	181	25	27	178	11	49
18	33	0.0	0.0	0.0	0.0	0.0	180	22	27	179	14	55
19	32	0.0	0.0	0.0	0.0	0.0	186	23	28	177	10	55
20	31	0.0	0.0	0.0	0.0	0.0	195	22	27	167	12	57
21	30	0.0	0.0	0.0	0.0	0.0	198	21	27	132	46	55
22	30	0.0	0.0	0.0	0.0	0.0	178	20	26	83	104	56
23	43	0.0	0.0	0.0	0.0	0.0	138	19	26	58	139	56
24	56	0.0	0.0	0.0	0.0	0.0	127	19	27	68	177	51
25	56	0.0	0.0	0.0	0.0	0.0	128	20	27	78	192	51
26	56	0.0	0.0	0.0	0.0	0.0	127	21	27	69	226	51
27	57	0.0	0.0	0.0	0.0	0.0	98	23	27	60	257	53
28	57	0.0	0.0	0.0	0.0	0.0	48	24	26	52	259	57
29	56	0.0	0.0	0.0	---	0.0	26	23	25	49	264	56
30	36	0.0	0.0	0.0	---	0.0	27	23	25	50	261	49
31	61	---	0.0	0.0	---	0.0	---	24	---	80	261	---
TOTAL	1541	75	0.0	0.0	0.0	0.0	2439.8	695	797	2221	2531.4	2107
MEAN	49.7	2.50	0.0	0.0	0.0	0.0	81.3	22.4	26.6	71.6	81.7	70.2
AC-FT	3060	149	0.0	0.0	0.0	0.0	4840	1380	1580	4410	5020	4180
MAX	84	62	0.0	0.0	0.0	0.0	198	32	29	179	264	258
MIN	30	0.0	0.0	0.0	0.0	0.0	2.4	16	23	24	1.8	46

CAL YR 1998 TOTAL 22840.7 MEAN 62.6 MAX 462 MIN 0.00 AC-FT 45300
WTR YR 1999 TOTAL 12407.2 MEAN 34.0 MAX 264 MIN 0.00 AC-FT 24610

MAX DISCH 282 CFS AT 1050 31-AUG-1999 GH 2.59 FT. SHIFT 0.00 FT. MAX GH 2.59 FT. AT 1050 31-AUG-1999

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 36" metal shelter at a 4' Parshall flume with electric drop tape as reference and outside staff gage.

REMARKS.--Record is complete and reliable except for the following period: Oct. 1, 1998-Aug. 16, 1999 when station was closed for the season; Aug 18-19 partial record due to clock problem; Aug. 31-Sep. 30, 1999 when canal was off. Record is good. In the future, this station will not be published in Colorado Streamflow Data Report. Records will be kept in Colorado DWR Water District 4 Diversion Data. Record developed by Fred Renner.

RATING TABLE.--SVSLT1C001 USED FROM 01-OCT-1998 TO 30-SEP-1999

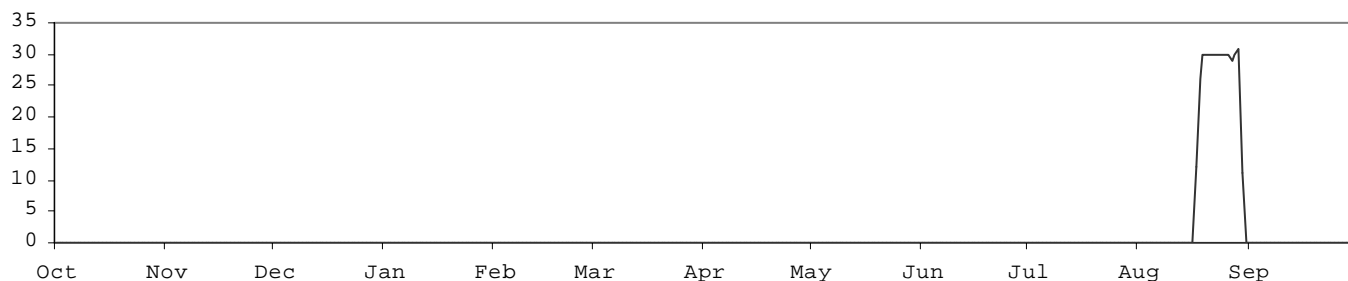
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	12	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0
29	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	31	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	11	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	379	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	752	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	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 1998 TOTAL 1321 MEAN 3.62 MAX 61 MIN 0.00 AC-FT 2620
WTR YR 1999 TOTAL 379 MEAN 1.04 MAX 31 MIN 0.00 AC-FT 752

MAX DISCH 34 CFS AT 0330 21-AUG-1999 GH 1.61 FT. SHIFT 0.00 FT. MAX GH 1.61 FT. AT 0330 21-AUG-1999

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 36" metal shelter at a 4' Parshall flume with electric drop tape as reference and outside staff gage.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 17-18, 1998 when clock problem occurred with partial record; Oct. 31, 1998-July 7, 1999 when station was closed for the season. Record is good even for period of no gage-height record. After this year this station will no longer be published in Colorado Streamflow Data Report. Records will be kept in Colorado DWR Water District 4 Diversion Data. Record developed by Fred Renner.

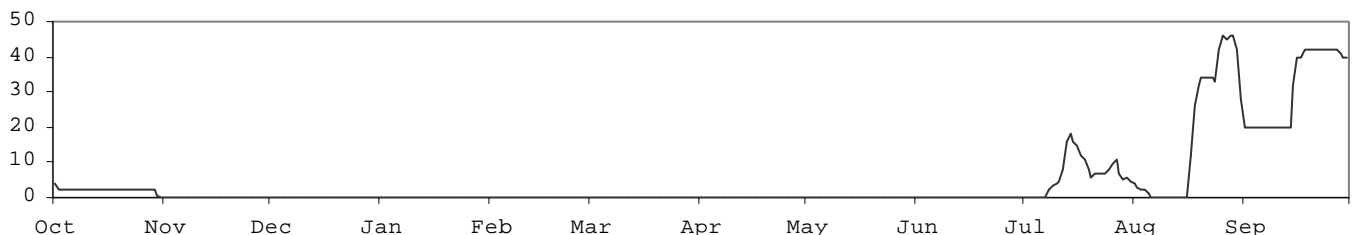
RATING TABLE.--SVSLT2CO03 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	20
2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	20
3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	20
4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	20
5	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	20
6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
7	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	20
9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	20
10	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	20
11	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	20
12	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	20
13	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	20
14	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	20
15	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	32
16	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	40
17	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	12	40
18	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	26	42
19	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	32	42
20	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	34	42
21	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	34	42
22	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	34	42
23	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	34	42
24	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	33	42
25	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	42	42
26	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	46	42
27	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	45	42
28	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	46	41
29	2.2	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	5.2	46	40
30	0.81	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	5.4	42	40
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	4.4	28	---
TOTAL	66.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200.7	546.70	933
MEAN	2.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.47	17.6	31.1
AC-FT	132	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	398	1080	1850
MAX	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	46	42
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
CAL YR 1998 TOTAL	2306.83	MEAN	6.32	MAX	64	MIN	0.00	AC-FT	4580			
WTR YR 1999 TOTAL	1746.90	MEAN	4.79	MAX	46	MIN	0.00	AC-FT	3460			

MAX DISCH 51 CFS AT 0900 26-AUG-1999 GH 2.08 FT. SHIFT 0.00 FT. MAX GH 2.08 FT. AT 0900 26-AUG-1999

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



PLATTE RIVER BASIN

ST. VRAIN SUPPLY CANAL TO HERTHA CREEK

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following periods: Oct. 16, 1998-Aug. 16, 1999 when station was closed for season; Aug. 23-25, 1999 when clock problem occurred, partial chart record; Sep. 14-Sep. 30, 1999 when canal was off. Record is good. After this year station will no longer be published in Colorado Streamflow Data Report. Records will be kept as part of Colorado DWR District 4 Diversion Data. Record developed by Fred Renner.

RATING TABLE.--SVSHERCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

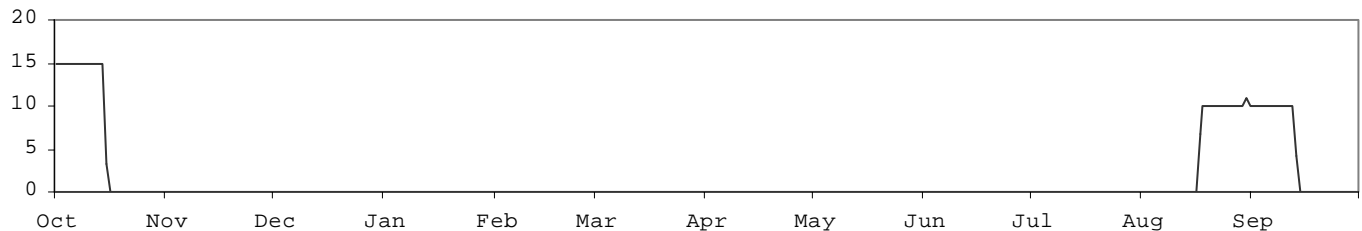
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
2	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
3	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
4	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
5	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
6	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
7	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
8	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
9	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
10	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
12	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
13	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
14	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	3.3	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	6.7	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	10	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	11	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	10	---
TOTAL	213.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	147.7	124.1
MEAN	6.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.76	4.14
AC-FT	423	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	293	246
MAX	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	10
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 1998 TOTAL 504.4 MEAN 1.38 MAX 20 MIN 0.00 AC-FT 1000
WTR YR 1999 TOTAL 485.1 MEAN 1.33 MAX 15 MIN 0.00 AC-FT 962

MAX DISCH 16 CFS AT 1500 07-OCT-1998 GH 1.00 FT. SHIFT 0.00 FT. MAX GH 1.00 FT. AT 1500 07-OCT-1998

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



PLATTE RIVER BASIN

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

LOCATION.--Lat 40°39'32", long 105°12'34", NE¼SE¼ sec. 15, T.8 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 for Oct., 1998 was taken from NCWCD reported daily flows and checked against the A-35 chart, water orders from the water commissioner, and our badly time-stamped satellite monitoring data. From Apr. 16-Sep. 30, 1999 the primary record is from DCP data. The chart was used July 5-7, 1999 when the DCP was down. The record is considered good during periods when water is run and fair for periods of seepage. After this year, this station may no longer be published in Colorado Streamflow Data Report. Comparable records will be found in Colorado DWR Water District 3 Diversion Data under ID# 909---"Charles Hansen Canal". Station maintained by NCWCD Personnel. Record developed by George Sievers.

RATING TABLE.--HSCCLPC002 USED FROM 01-OCT-1998 TO 30-SEP-1999

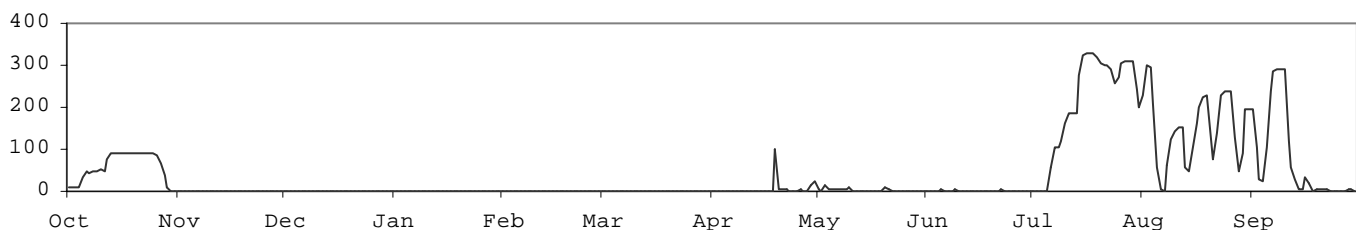
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	0.0	0.0	0.0	0.0	0.0	0.0	3.3	1.4	1.9	227	195
2	11	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.2	1.4	298	107
3	11	0.0	0.0	0.0	0.0	0.0	0.0	12	1.8	1.2	295	29
4	9.5	0.0	0.0	0.0	0.0	0.0	0.0	6.3	1.6	1.3	210	26
5	31	0.0	0.0	0.0	0.0	0.0	0.0	4.2	3.0	1.6	58	105
6	46	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.8	57	3.1	237
7	45	0.0	0.0	0.0	0.0	0.0	0.0	4.3	1.8	103	2.1	287
8	50	0.0	0.0	0.0	0.0	0.0	0.0	4.2	2.3	104	60	290
9	49	0.0	0.0	0.0	0.0	0.0	0.0	3.7	2.7	119	125	291
10	51	0.0	0.0	0.0	0.0	0.0	0.0	11	1.7	163	145	289
11	50	0.0	0.0	0.0	0.0	0.0	0.0	0.40	1.3	188	153	121
12	74	0.0	0.0	0.0	0.0	0.0	0.0	0.20	1.4	188	153	56
13	92	0.0	0.0	0.0	0.0	0.0	0.0	0.20	1.6	187	55	27
14	91	0.0	0.0	0.0	0.0	0.0	0.0	0.20	1.8	278	50	5.8
15	92	0.0	0.0	0.0	0.0	0.0	0.0	0.20	1.6	325	107	6.6
16	90	0.0	0.0	0.0	0.0	0.0	0.0	0.20	1.4	327	164	34
17	90	0.0	0.0	0.0	0.0	0.0	0.00	0.20	2.2	328	201	20
18	90	0.0	0.0	0.0	0.0	0.0	0.0	0.20	1.6	329	222	2.0
19	91	0.0	0.0	0.0	0.0	0.0	101	0.20	1.7	317	227	3.3
20	92	0.0	0.0	0.0	0.0	0.0	6.0	11	1.3	303	129	2.8
21	90	0.0	0.0	0.0	0.0	0.0	4.6	3.8	1.5	301	75	3.2
22	90	0.0	0.0	0.0	0.0	0.0	6.2	2.0	4.5	301	140	3.2
23	90	0.0	0.0	0.0	0.0	0.0	0.32	1.9	1.5	289	228	2.3
24	91	0.0	0.0	0.0	0.0	0.0	0.30	1.9	1.7	255	236	2.0
25	89	0.0	0.0	0.0	0.0	0.0	0.30	2.1	1.7	270	239	1.3
26	85	0.0	0.0	0.0	0.0	0.0	6.1	1.8	1.7	306	239	1.4
27	69	0.0	0.0	0.0	0.0	0.0	1.5	1.1	1.5	308	127	2.2
28	38	0.0	0.0	0.0	0.0	0.0	1.7	1.7	2.1	308	49	2.9
29	11	0.0	0.0	0.0	---	0.0	12	1.4	1.8	310	92	2.4
30	1.8	0.0	0.0	0.0	---	0.0	26	1.4	1.6	241	196	1.8
31	0.0	---	0.0	0.0	---	0.0	---	1.7	---	198	196	---
TOTAL	1820.3	0.0	0.0	0.0	0.0	0.0	166.02	88.40	54.8	6410.4	4701.2	2157.2
MEAN	58.7	0.0	0.0	0.0	0.0	0.0	5.53	2.85	1.83	207	152	71.9
AC-FT	3610	0.0	0.0	0.0	0.0	0.0	329	175	109	12720	9320	4280
MAX	92	0.0	0.0	0.0	0.0	0.0	101	12	4.5	329	298	291
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	1.2	1.2	2.1	1.3

CAL YR 1998 TOTAL 41076.80 MEAN 113 MAX 1250 MIN 0.00 AC-FT 81480
WTR YR 1999 TOTAL 15398.32 MEAN 42.2 MAX 329 MIN 0.00 AC-FT 30540

MAX DISCH 745 CFS AT 1250 19-APR-1999 GH 4.07 FT. SHIFT 0.00 FT. MAX GH 4.07 FT. AT 1250 19-APR-1999

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 from Oct. 26-30, 1998; July 12-16; Aug. 28-31; Sep. 22-30, 1999. Record is complete reliable and good. After this year, The Hansen Supply Canal to the Poudre Valley Canal may no longer be published as part of Colorado Streamflow Data Report. Records for the future years may be kept as part of Water District 3 Diversion Data, under ID# 1191--The "Windsor Extension". Record developed by George Sievers.

RATING TABLE.--HSCPVD002 USED FROM 01-OCT-1998 TO 30-SEP-1999

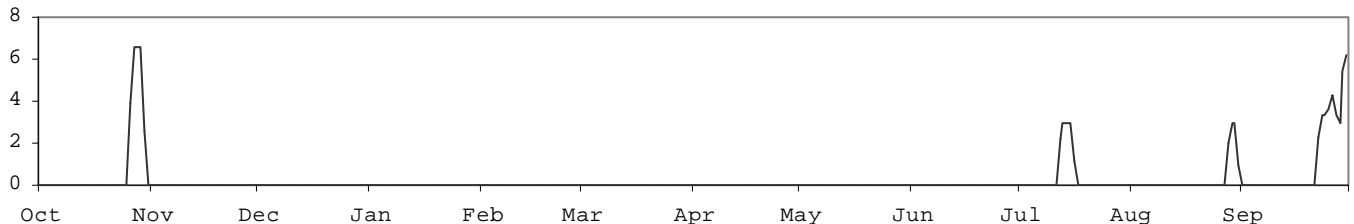
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	2.2	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	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	2.3
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
26	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3
27	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
28	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0
29	6.6	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	3.0	5.4
30	2.6	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	3.0	6.2
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	1.0	---
TOTAL	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	9.0	34.7
MEAN	0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.29	1.16
AC-FT	52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	18	69
MAX	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	6.2
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 1998 TOTAL 67.90 MEAN 0.19 MAX 6.6 MIN 0.00 AC-FT 135
WTR YR 1999 TOTAL 82.3 MEAN 0.23 MAX 6.6 MIN 0.00 AC-FT 163

MAX DISCH 7.0 CFS AT 0830 28-OCT-1998 GH 0.32 FT. SHIFT 0.00 FT. MAX GH 0.32 FT. AT 0830 28-OCT-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.--100 mi².

GAGE.--Graphic water stage recorder with satellite monitoring in a 42" metal well. The drop tape is the primary reference. The DCP is the primary record.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 30, 1998-Mar. 10, 1999 when station closed for winter; Oct. 29 and Mar. 11, opening and closing days partial record; Apr. 22-23 stage discharge relationship not well defined during transition between ratings; June 2-4, 10; Aug. 9-10, 1999 inlets plugged. Record is good except for estimated days. Partial year station only. Station maintained and record developed by Fred Renner.

RATING TABLE.--LTCANYCO11 USED FROM 01-OCT-1998 TO 22-APR-1999
LTCANYCO12 USED FROM 23-APR-1999 TO 30-SEP-1999

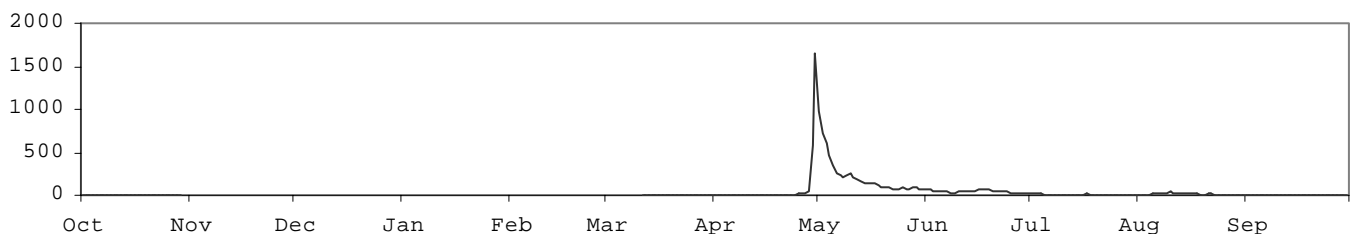
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.83	---	---	---	---	---	1.6	977	67	19	9.3	5.5
2	0.77	---	---	---	---	---	1.7	721	62	17	9.3	8.0
3	0.75	---	---	---	---	---	1.7	594	55	15	7.4	7.6
4	0.75	---	---	---	---	---	1.7	457	52	12	6.2	6.8
5	0.74	---	---	---	---	---	1.7	341	48	10	19	6.2
6	0.73	---	---	---	---	---	1.7	264	47	10	27	5.5
7	0.72	---	---	---	---	---	1.7	229	38	9.8	22	4.5
8	0.73	---	---	---	---	---	1.7	220	33	8.8	19	3.9
9	0.76	---	---	---	---	---	1.6	224	30	6.9	21	3.5
10	0.78	---	---	---	---	---	1.6	247	39	6.1	36	3.4
11	0.78	---	---	---	---	1.1	1.6	215	49	8.5	27	2.8
12	0.78	---	---	---	---	1.5	1.6	187	40	8.9	21	2.6
13	0.72	---	---	---	---	1.6	1.6	168	49	7.1	19	2.4
14	0.65	---	---	---	---	1.6	1.5	151	42	5.8	17	2.0
15	0.64	---	---	---	---	1.6	1.5	141	48	5.6	15	2.3
16	0.56	---	---	---	---	1.6	1.5	132	68	9.3	13	2.2
17	0.51	---	---	---	---	1.6	1.5	135	70	13	12	2.0
18	0.47	---	---	---	---	1.6	1.4	115	70	7.5	12	1.7
19	0.38	---	---	---	---	1.8	1.5	101	60	6.3	10	1.9
20	0.35	---	---	---	---	1.9	1.5	91	54	6.6	9.5	2.5
21	0.30	---	---	---	---	1.8	1.7	94	49	5.6	17	2.9
22	0.26	---	---	---	---	1.7	3.0	80	46	4.4	12	2.5
23	0.22	---	---	---	---	1.6	4.8	75	40	3.7	10	2.4
24	0.22	---	---	---	---	1.5	4.6	74	36	3.5	8.3	2.0
25	0.17	---	---	---	---	1.5	12	85	33	3.8	6.9	1.7
26	0.16	---	---	---	---	1.4	20	74	29	3.4	6.4	1.6
27	0.17	---	---	---	---	1.4	29	71	28	3.1	5.8	1.6
28	0.63	---	---	---	---	1.4	52	100	25	2.8	6.0	2.9
29	0.60	---	---	---	---	1.7	580	82	22	2.8	6.1	2.9
30	---	---	---	---	---	1.6	1650	77	20	2.8	5.2	2.7
31	---	---	---	---	---	1.5	---	72	---	5.7	4.1	---
TOTAL	16.12						2389.0	6594	1349	234.8	419.5	100.5
MEAN	0.56						79.6	213	45.0	7.57	13.5	3.35
AC-FT	32						4740	13080	2680	466	832	199
MAX	0.83						1650	977	70	19	36	8.0
MIN	0.16						1.4	71	20	2.8	4.1	1.6

MAX DISCH 2198 CFS AT 1245 30-APR-1999 GH 6.97 FT. SHIFT 0.01 FT. MAX GH 6.97 FT. AT 1245 30-APR-1999

PARTIAL YEAR RECORD ONLY

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 AND PERIOD OF RECORD.--828 mi²; 1951 to present.

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

REMARKS.--Record is complete and reliable. Discharge was affected by ice Dec. 11-14, 21-24, 1998 and Jan. 3-4, 1999. DCP is the primary record. Record is good except for ice periods which are estimated. Station maintained and record developed by Fred Renner.

RATING TABLE.--BIGLASCO24 USED FROM 01-OCT-1998 TO 28-APR-1999
 BIGLASCO25 USED FROM 29-APR-1999 TO 30-SEP-1999

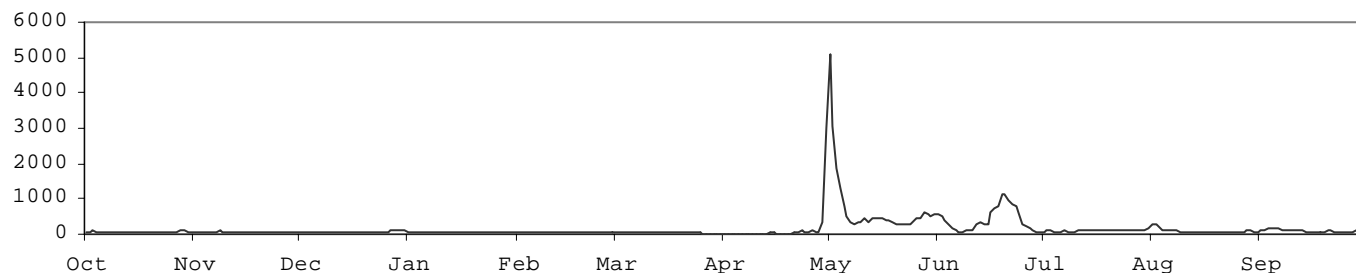
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	77	70	79	74	52	23	5090	548	47	300	95
2	80	77	71	74	75	51	26	3050	509	93	260	107
3	85	83	70	75	62	51	26	1860	373	130	215	189
4	82	81	69	80	58	50	25	1290	304	66	113	163
5	84	80	70	81	57	53	23	815	150	82	135	157
6	73	77	69	73	57	51	23	495	127	81	133	153
7	66	83	68	70	57	50	22	320	84	89	119	128
8	74	89	66	69	57	50	23	269	64	72	88	122
9	74	83	67	67	56	49	21	317	85	66	84	112
10	70	79	68	68	58	48	21	358	104	72	72	110
11	67	78	65	67	56	47	21	451	112	87	67	104
12	66	76	65	65	57	50	22	344	281	97	67	103
13	66	75	60	71	55	52	23	457	354	101	68	93
14	62	77	60	72	55	50	40	468	273	93	64	84
15	60	79	63	72	55	50	35	449	260	86	60	80
16	64	78	64	71	54	50	22	426	640	91	59	81
17	79	77	64	71	52	47	21	422	750	131	62	83
18	65	77	65	71	54	44	19	405	776	130	69	76
19	61	74	61	73	55	46	18	349	1140	125	78	76
20	60	75	54	73	54	45	18	308	1160	140	75	98
21	60	76	55	73	54	44	31	301	974	126	77	89
22	58	75	60	74	53	44	49	297	868	97	69	80
23	60	72	60	73	52	44	103	290	775	89	68	71
24	63	72	60	73	52	44	75	297	635	87	70	58
25	61	71	64	73	52	32	84	390	304	87	69	54
26	61	71	78	73	51	25	88	427	239	93	67	53
27	61	71	102	78	51	25	61	434	151	86	70	56
28	86	72	115	65	52	24	48	597	122	98	85	86
29	90	71	112	61	---	24	316	561	56	105	87	97
30	80	71	97	60	---	24	3000	535	42	116	83	85
31	78	---	91	61	---	23	---	548	---	165	83	---
TOTAL	2156	2297	2203	2206	1575	1339	4327	22620	12260	3028	3016	2943
MEAN	69.5	76.6	71.1	71.2	56.3	43.2	144	730	409	97.7	97.3	98.1
AC-FT	4280	4560	4370	4380	3120	2660	8580	44870	24320	6010	5980	5840
MAX	90	89	115	81	75	53	3000	5090	1160	165	300	189
MIN	58	71	54	60	51	23	18	269	42	47	59	53

CAL YR 1998 TOTAL 37412 MEAN 102 MAX 357 MIN 19 AC-FT 74210
 WTR YR 1999 TOTAL 59970 MEAN 164 MAX 5090 MIN 18 AC-FT 119000

MAX DISCH 5755 CFS AT 0800 01-MAY-1999 GH 9.54 FT. SHIFT 0.01 FT. MAX GH 9.54 FT. AT 0800 01-MAY-1999

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 good, complete and reliable. Primary record is taken from the chart. Chart record is complete and reliable except for part of the day June 2, 1999, when the clock was stopped. After this year, this gage will no longer be published in Colorado Streamflow Data Report. Records will be found in Colorado WRD Water District 3 Diversion Data under ID# 905---"North Poudre Supply Canal". Station maintained and record developed by George Sievers and George Varra.

RATING TABLE.--MUNCANCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

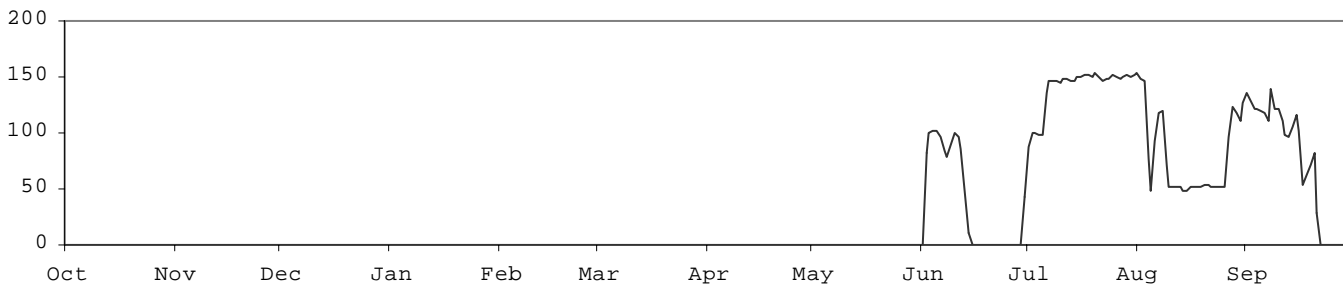
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	88	153	136
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82	100	149	129
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	100	147	122
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101	99	76	122
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	98	49	119
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97	136	92	117
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	146	118	110
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	147	119	140
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90	147	72	121
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	144	51	121
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97	149	51	111
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85	148	51	98
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	147	51	96
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	146	48	105
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150	48	116
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150	51	102
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	151	51	53
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	151	51	63
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150	51	71
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	154	54	83
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150	54	29
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	147	51	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	149	51	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	149	51	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	152	51	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150	51	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	149	97	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150	124	0.0
29	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	151	117	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	43	150	110	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	151	127	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1119	4349	2417	2164
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.3	140	78.0	72.1
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2220	8630	4790	4290
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	154	153	140
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88	48	0.0

CAL YR 1998 TOTAL 13791 MEAN 37.8 MAX 231 MIN 0.00 AC-FT 27350
WTR YR 1999 TOTAL 10049 MEAN 27.5 MAX 154 MIN 0.00 AC-FT 19930

MAX DISCH 160 CFS AT 0700 20-JUL-1999 GH 2.40 FT. SHIFT 0.00 FT. MAX GH 2.40 FT. AT 0700 20-JUL-1999

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 concrete shelter and well with supplemental outside chain gage.

REMARKS.--The DCP is the primary source of record. Record is good, complete and reliable except for the following periods: Dec. 6-7, 1998; Jan. 29-31; Feb. 12, 1999 when record was ice affected; Dec. 8, 1998-Jan. 19, 1999 when station was closed for winter; Jan. 27-28, 1999 when chart ran out and DCP not turned on. Satellite data checked against chart data to within 0.02 ft. Chart values used Oct. 25, 1998; Jan. 19-31, Feb. 1-28; Apr. 5, 1999 when the DCP was not online. Station maintained and record developed by George Sievers.

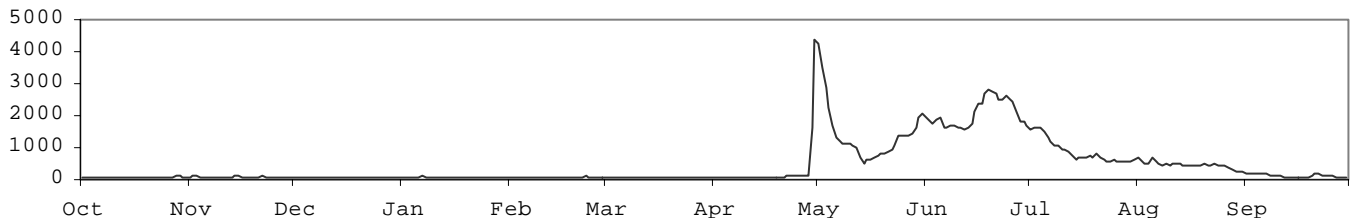
RATING TABLE.--RATING TABLE CLAF TCCO10 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	88	66	92	85	60	57	4220	1930	1590	664	205
2	53	96	66	91	82	57	53	3510	1820	1650	583	218
3	61	96	67	75	80	49	47	2860	1770	1640	476	200
4	73	91	62	69	84	62	44	2260	1860	1600	521	195
5	80	80	56	89	85	65	48	1680	1940	1510	679	182
6	64	79	42	91	80	46	42	1320	1630	1310	586	173
7	57	84	38	94	82	51	47	1170	1620	1180	497	158
8	64	76	34	88	84	71	47	1120	1670	1080	460	127
9	73	85	39	83	82	55	42	1110	1690	1050	478	131
10	75	71	41	79	85	62	45	1120	1650	958	455	123
11	68	52	43	82	63	56	37	1060	1640	941	471	96
12	63	71	47	86	80	60	41	992	1540	856	474	84
13	63	93	57	85	82	53	45	698	1620	736	471	79
14	60	103	63	83	84	61	57	512	1720	633	452	68
15	73	95	63	79	85	64	58	617	2110	659	441	65
16	66	88	62	78	75	64	45	623	2360	681	426	84
17	61	79	72	78	77	61	37	686	2370	711	434	83
18	57	79	75	72	70	59	49	745	2700	722	422	67
19	50	74	62	88	80	58	72	782	2820	709	417	71
20	52	63	61	85	74	59	48	837	2760	809	486	125
21	54	56	61	89	65	63	53	886	2700	699	456	213
22	52	95	62	84	74	65	97	948	2470	631	453	192
23	59	81	62	82	113	59	133	1070	2510	588	473	133
24	67	74	61	92	67	54	98	1370	2620	543	440	125
25	66	74	61	92	60	54	125	1350	2480	613	441	122
26	70	72	62	89	59	51	107	1360	2420	576	465	117
27	78	73	80	89	46	51	103	1390	2150	547	372	84
28	103	72	87	67	56	50	122	1460	1840	564	285	64
29	98	73	81	58	---	40	1630	1650	1810	586	252	69
30	74	72	84	63	---	41	4360	1940	1690	575	254	69
31	86	---	83	71	---	52	---	2070	---	594	227	---
TOTAL	2060	2385	1900	2543	2139	1753	7789	43416	61910	27541	14011	3722
MEAN	66.5	79.5	61.3	82.0	76.4	56.5	260	1401	2064	888	452	124
AC-FT	4090	4730	3770	5040	4240	3480	15450	86120	122800	54630	27790	7380
MAX	103	103	87	94	113	71	4360	4220	2820	1650	679	218
MIN	40	52	34	58	46	40	37	512	1540	543	227	64
CAL YR 1998 TOTAL		122558	MEAN	336	MAX	1730	MIN	34	AC-FT	243100		
WTR YR 1999 TOTAL		171169	MEAN	469	MAX	4360	MIN	34	AC-FT	339500		

MAX DISCH 5822 CFS AT 2100 30-APR-1999 GH 7.56 FT. SHIFT -0.15 FT. MAX GH 7.56 FT. AT 2100 30-APR-1999

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



PLATTE RIVER BASIN

06752500 CACHE LA POUVRE 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 used on Oct. 25, 1998, Apr. 5, 1999. Satellite data checked against chart recording and found to be within ± 0.02 ft. Record is good and reliable except for the following periods: Apr. 30, May 1, June 10, 17 when the inlets were plugged and flush corrections were noted. July 3-7 when drawdown effects on some of the inlets occurred which were corrected by re-opening the inlet closest to the gage. Record is fair at these times. Station maintained and records developed by George Sievers.

RATING TABLE.--RATING TABLE CLAGRECO26 USED FROM 01-OCT-1998 TO 30-SEP-1999

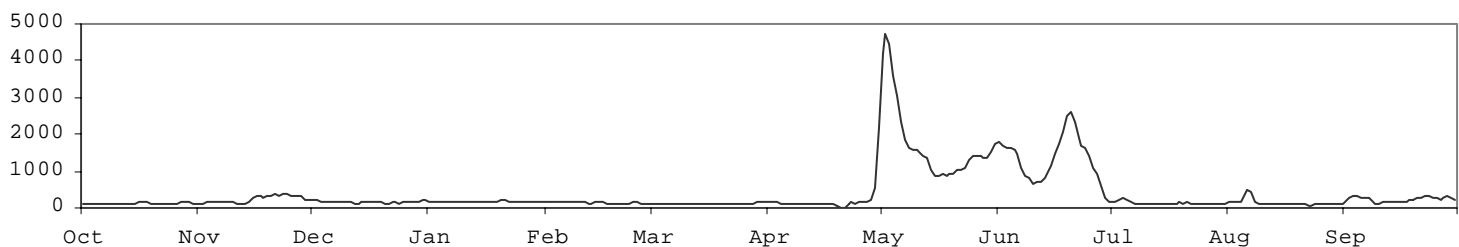
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	119	217	177	149	114	150	4160	1810	150	156	189
2	127	123	205	172	151	122	174	4710	1710	156	144	296
3	96	152	184	165	152	128	148	4480	1630	206	147	325
4	100	154	186	163	157	119	128	3590	1620	257	152	348
5	93	152	180	172	152	124	108	3060	1590	218	365	286
6	91	137	175	182	148	130	103	2350	1480	152	489	270
7	94	144	170	176	144	118	111	1840	1070	131	420	257
8	92	161	156	176	143	111	105	1630	863	120	144	184
9	93	152	157	178	153	106	94	1560	799	115	111	129
10	87	140	154	175	166	107	88	1550	626	102	129	135
11	86	135	145	171	152	107	92	1520	683	106	128	143
12	88	130	135	176	133	114	91	1390	703	111	119	150
13	93	128	124	167	124	113	89	1370	814	105	113	160
14	98	141	144	170	138	105	113	1030	940	112	100	161
15	101	272	157	170	144	116	105	843	1150	113	85	165
16	140	299	161	167	146	116	100	857	1450	116	85	171
17	167	302	160	159	134	115	104	921	1750	126	93	173
18	136	296	170	157	122	110	111	881	2060	114	93	214
19	118	299	155	181	121	108	54	915	2500	143	88	227
20	112	324	126	201	121	107	24	942	2600	135	88	262
21	110	354	126	202	122	103	26	1020	2340	174	88	276
22	115	348	141	183	112	101	109	1020	1900	120	75	312
23	116	370	138	157	130	104	171	1080	1680	107	81	308
24	115	364	135	148	168	106	110	1290	1610	105	88	267
25	119	342	139	160	158	102	185	1430	1410	100	86	251
26	116	342	149	160	127	102	137	1400	1110	111	85	234
27	136	339	161	163	119	98	150	1400	935	113	88	247
28	146	322	176	155	114	94	238	1370	614	104	96	335
29	149	230	187	148	---	156	521	1340	283	99	90	272
30	126	219	193	145	---	168	2150	1500	173	109	94	239
31	123	---	191	149	---	159	---	1720	---	131	105	---
TOTAL	3489	6990	4997	5225	3900	3583	5889	54169	39903	4061	4225	6986
MEAN	113	233	161	169	139	116	196	1747	1330	131	136	233
AC-FT	6920	13860	9910	10360	7740	7110	11680	107400	79150	8050	8380	13860
MAX	167	370	217	202	168	168	2150	4710	2600	257	489	348
MIN	86	119	124	145	112	94	24	843	173	99	75	129

CAL YR 1998 TOTAL 56512 MEAN 155 MAX 787 MIN 21 AC-FT 112100
WTR YR 1999 TOTAL 143417 MEAN 393 MAX 4710 MIN 24 AC-FT 284500

MAX DISCH 4926 CFS AT 0245 02-MAY-1999 GH 9.14 FT. SHIFT -0.63 FT. MAX GH 9.14 FT. AT 0245 02-MAY-1999

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 manometer is the primary record. Record is complete and reliable except for estimated periods when manometer line was buried, plugged, or leaking on Nov. 11-13, 17-25; Dec. 22, 27-28, 1998; Mar. 15; Apr. 23.27, 1999, which are poor. Record is rated fair due to manometer operation and channel instability. Station maintained and record developed by George Sievers.

RATING TABLE.--PLAKERCO21 USED FROM 01-OCT-1998 TO 22-APR-1999
 PLAKERCO22 USED FROM 23-APR-1999 TO 30-SEP-1999

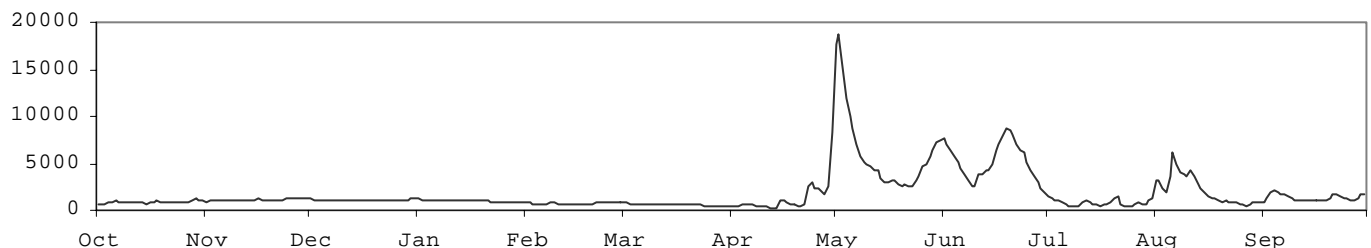
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	545	948	1190	1200	786	851	320	17600	7650	1570	3130	895
2	619	992	1160	1140	785	770	358	18800	7010	1200	3220	1380
3	736	1140	1110	1100	728	689	520	15400	6280	1160	2380	1940
4	825	1050	1120	1090	687	695	691	11900	5850	959	1850	2180
5	898	1040	1120	1110	668	712	609	9990	5020	797	3700	1900
6	963	993	1120	1100	723	739	627	8620	4570	650	6260	1760
7	932	978	1130	1090	741	724	567	6980	3840	520	4790	1620
8	864	1120	1100	1120	760	666	448	5800	3180	422	4120	1390
9	877	1130	1110	1110	773	598	369	5080	2620	342	3920	1200
10	815	1090	1100	1060	692	560	324	4810	2580	531	3520	1140
11	772	1070	1040	1050	639	542	320	4760	3730	796	4350	1120
12	771	1030	1040	1070	636	538	305	4180	3790	984	3570	1130
13	790	1020	1020	1050	650	561	271	4180	4350	938	2690	1140
14	773	1010	1040	1040	648	600	280	3440	4340	675	2280	1120
15	738	1150	1070	1030	666	579	1000	3080	4850	545	1860	1050
16	773	1210	1080	1030	669	554	998	2950	6280	488	1560	1020
17	884	1170	1060	1010	660	605	850	3280	7120	544	1300	994
18	978	1110	1110	1010	660	627	722	3090	7770	690	1240	1020
19	881	1070	1070	1040	660	629	610	2720	8700	811	1160	1040
20	840	1040	980	1070	731	639	475	2590	8590	1270	949	1280
21	822	1080	961	1040	779	622	407	2800	8030	1420	977	1720
22	836	1140	1010	941	783	569	547	2650	7100	706	870	1730
23	845	1170	975	864	798	542	2520	2590	6400	478	813	1540
24	861	1220	959	855	821	526	2920	3120	6080	419	751	1370
25	889	1280	1010	836	866	493	2270	3570	5040	479	648	1270
26	869	1300	1060	824	894	464	2360	4780	4170	668	564	1160
27	883	1290	1080	815	882	436	1910	4990	3640	774	495	1140
28	966	1290	1100	788	820	405	1740	5780	3060	617	542	1330
29	1210	1210	1160	777	---	419	2500	6360	2380	666	869	1770
30	1070	1190	1180	771	---	357	8320	7160	1870	1170	938	1690
31	981	---	1200	771	---	326	---	7490	---	1300	797	---
TOTAL	26506	33531	33465	30802	20605	18037	36158	190540	155890	24589	66113	41039
MEAN	855	1118	1080	994	736	582	1205	6146	5196	793	2133	1368
AC-FT	52570	66510	66380	61100	40870	35780	71720	377900	309200	48770	131100	81400
MAX	1210	1300	1200	1200	894	851	8320	18800	8700	1570	6260	2180
MIN	545	948	959	771	636	326	271	2590	1870	342	495	895

CAL YR 1998 TOTAL 444660 MEAN 1218 MAX 4370 MIN 267 AC-FT 882000
 WTR YR 1999 TOTAL 677275 MEAN 1856 MAX 18800 MIN 271 AC-FT 1343000

MAX DISCH 20725 CFS AT 1915 01-MAY-1999 GH 11.50 FT. SHIFT 0.02 FT. MAX GH 11.50 FT. AT 1915 01-MAY-1999

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 record is complete and reliable except for the following periods: Mar. 24-31; Apr. 12, 1999 when the inlets were plugged or isolated; Dec. 23-31, 1998 when the gage height was ice affected. This time period considered poor, the rest of record considered fair due to sand channel. Satellite data checked against chart data to within ± 0.02 ft. New bridge above station allows for high water measurements again. Station maintained and record developed by George Sievers.

RATING TABLE.--RATING TABLE PLAWELCO16 USED FROM 01-OCT-1998 TO 30-SEP-1999

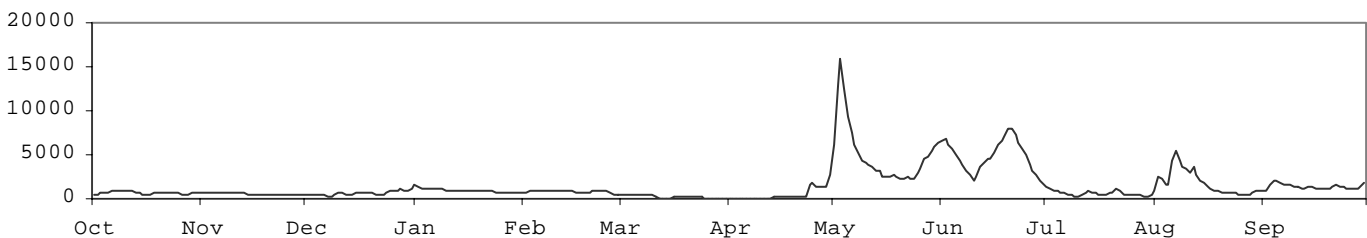
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	556	684	408	1600	701	416	32	6040	6660	1340	882	802
2	545	677	425	1420	704	401	33	13000	6740	1120	2610	905
3	624	677	430	1240	903	400	34	16000	6170	930	2210	1530
4	711	737	372	1200	931	397	30	12400	5610	863	1630	2090
5	789	719	353	1180	910	375	29	9210	4920	697	1530	2060
6	836	689	349	1150	881	346	29	7390	4320	575	4290	1830
7	886	658	332	1150	923	358	28	6170	3930	470	5440	1700
8	882	639	331	1140	936	369	29	5140	3160	396	4330	1660
9	864	685	432	1060	941	375	32	4380	2620	339	3720	1500
10	857	724	583	973	982	352	34	4130	2140	267	3350	1400
11	844	667	579	937	902	178	40	3800	2410	437	2910	1280
12	841	667	553	908	860	100	35	3600	3540	705	3720	1230
13	777	598	562	892	862	94	58	3280	4020	826	2700	1240
14	632	387	561	884	878	89	152	3110	4460	780	2110	1280
15	545	351	570	879	870	112	195	2520	4440	587	1790	1300
16	536	363	602	868	772	148	231	2440	5230	472	1450	1240
17	561	393	616	840	736	149	247	2400	6250	424	1130	1210
18	610	407	617	831	734	117	209	2690	6610	458	927	1180
19	676	428	655	837	746	135	173	2460	7020	629	821	1220
20	661	432	749	858	774	164	163	2300	7900	763	759	1240
21	668	446	474	890	817	174	158	2180	7860	1110	666	1460
22	658	472	449	875	844	172	150	2500	7200	855	715	1480
23	647	482	480	812	841	154	194	2190	6270	500	665	1460
24	574	483	670	756	851	130	1620	2320	5640	369	604	1350
25	569	484	850	739	864	113	1800	2860	5040	371	555	1230
26	540	483	970	739	653	95	1420	3500	3910	414	490	1150
27	539	478	1010	735	507	78	1470	4490	3210	406	420	1130
28	562	475	1050	733	443	63	1270	4830	2640	356	427	1230
29	613	466	1010	718	---	50	1280	5360	2100	310	570	1370
30	711	408	1010	702	---	40	2680	5880	1650	299	819	1770
31	714	---	1080	701	---	34	---	6420	---	540	874	---
TOTAL	21028	16259	19132	29247	22766	6178	13855	154990	143670	18608	55114	41527
MEAN	678	542	617	943	813	199	462	5000	4789	600	1778	1384
AC-FT	41710	32250	37950	58010	45160	12250	27480	307400	285000	36910	109300	82370
MAX	886	737	1080	1600	982	416	2680	16000	7900	1340	5440	2090
MIN	536	351	331	701	443	34	28	2180	1650	267	420	802

CAL YR 1998 TOTAL 335747 MEAN 920 MAX 3490 MIN 116 AC-FT 666000
WTR YR 1999 TOTAL 542374 MEAN 1486 MAX 16000 MIN 28 AC-FT 1076000

MAX DISCH 18400 CFS AT 0145 03-MAY-1999 GH 10.42 FT. SHIFT -0.15 FT. MAX GH 10.40 FT. AT 2300 02-MAY-1999

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. Record is complete and reliable except for the following periods: Oct. 16-19; Nov. 9-11, 17, 1998; Feb. 16-17; June 9, 1999 when inlets plugged. Dec. 20-31, 1998; Jan. 1-5, 1999 when ice affected stage discharge relationship. Record good except for ice affected and plugged inlet days which are poor. Station maintained and record developed by George Sievers.

RATING TABLE.--PLABALCO02 USED FROM 01-OCT-1998 TO 27-APR-1999
PLABALCO03 USED FROM 28-APR-1999 TO 30-SEP-1999

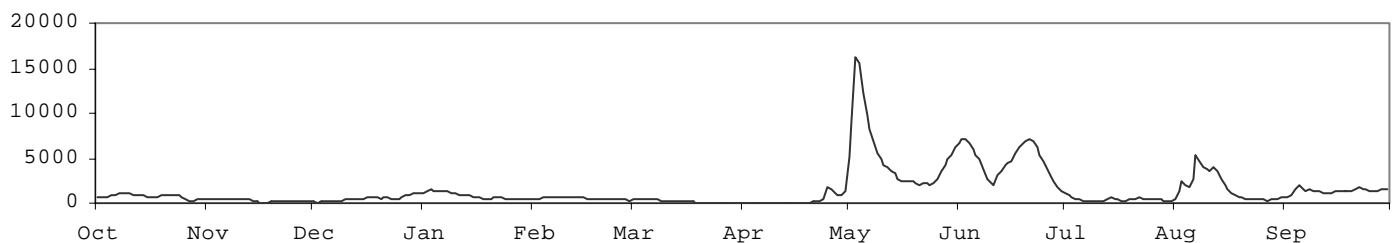
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	658	481	117	1050	483	475	18	5110	6730	1030	511	654
2	672	469	110	1380	478	555	20	8800	7090	815	1360	665
3	710	446	163	1550	517	549	19	16200	7120	607	2390	890
4	773	491	220	1420	609	498	20	15500	6600	499	1920	1520
5	919	506	224	1320	627	414	20	12200	6030	431	1770	1890
6	965	439	218	1280	614	380	20	9840	5330	318	2760	1610
7	1010	425	226	1250	643	372	19	8270	4860	248	5380	1410
8	1020	385	229	1250	729	382	17	6850	3810	192	4750	1480
9	1030	360	240	1200	750	289	17	5560	2770	198	4070	1410
10	1060	430	415	1090	703	274	16	4830	2210	173	3700	1330
11	1000	400	463	994	720	218	16	4220	1980	194	3500	1250
12	995	379	470	883	664	164	18	4100	3020	308	3910	1110
13	973	379	474	845	698	153	18	3510	3580	386	3540	1110
14	823	280	509	835	708	151	21	3310	4290	561	2640	1200
15	669	116	536	763	670	147	31	2700	4380	496	2090	1320
16	680	77	564	655	540	135	19	2550	4640	371	1490	1330
17	690	90	559	626	462	137	25	2500	5600	304	1220	1330
18	700	94	611	541	441	114	17	2550	6270	277	999	1330
19	780	112	664	527	447	107	32	2510	6610	335	734	1270
20	832	130	530	550	470	109	105	2240	6940	520	697	1310
21	845	127	610	574	482	109	158	2080	7090	549	554	1460
22	849	139	560	603	506	103	171	2230	6970	755	500	1760
23	848	149	430	574	504	99	168	2250	6230	497	519	1660
24	802	154	430	514	515	85	416	2080	5420	336	463	1630
25	685	153	510	481	535	79	1820	2330	4770	452	412	1440
26	407	159	710	505	512	73	1490	2730	3880	528	389	1390
27	273	165	900	506	343	71	1170	3500	2890	511	332	1400
28	322	160	980	511	292	67	954	4210	2340	380	340	1530
29	342	152	1020	518	---	66	878	4820	1800	304	369	1490
30	418	139	1020	495	---	42	1360	5370	1320	225	442	1580
31	497	---	1010	488	---	19	---	6190	---	226	660	---
TOTAL	23247	7986	15722	25778	15662	6436	9073	161140	142570	13026	54411	40759
MEAN	750	266	507	832	559	208	302	5198	4752	420	1755	1359
AC-FT	46110	15840	31180	51130	31070	12770	18000	319600	282800	25840	107900	80850
MAX	1060	506	1020	1550	750	555	1820	16200	7120	1030	5380	1890
MIN	273	77	110	481	292	19	16	2080	1320	173	332	654

CAL YR 1998 TOTAL 319961 MEAN 877 MAX 3090 MIN 77 AC-FT 634600
WTR YR 1999 TOTAL 515810 MEAN 1413 MAX 16200 MIN 16 AC-FT 1023000

MAX DISCH 18533 CFS AT 1645 03-MAY-1999 GH 9.38 FT. SHIFT 0.19 FT. MAX GH 9.38 FT. AT 1645 03-MAY-1999

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. Stilling well and shelter installed on bridge with shaft encoder connection to DCP June 26, 1997. 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 the manometer is the primary record from Oct. 01, 1998-May 06, 1999. DCP data from bridge shaft encoder record was used for balance of year. The record is complete and reliable except for the following periods: Dec. 19-31, 1998-Jan. 1-20, 1999, manometer effected by ice; May 3-5, 1999 manometer line ripped from bridge pier; July 10-20, 24-31; Aug. 1-3, 1999 bridge stilling well was beached and manometer was not working. Chart used for general estimations when available. Record fair except for summarized periods above which are estimated. Record part of combined flow for station. Station maintained and record developed by Div. 1 Hydrographic Staff.

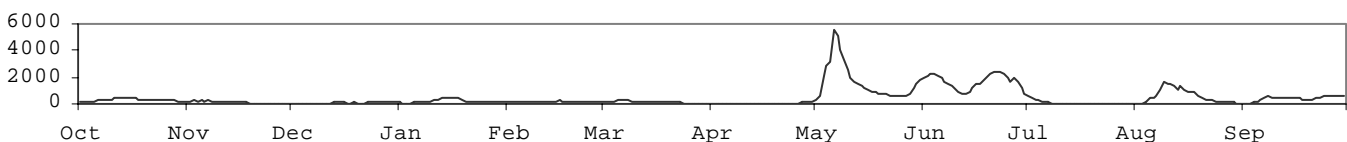
RATING TABLE.--PLAJURCO18 USED FROM 01-OCT-1998 TO 5-MAY-1999
PLAJURCO19 USED FROM 06-MAY-1999 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	146	52	83	157	186	37	229	2000	611	4.3	39
2	102	174	47	45	158	145	35	599	2100	455	14	48
3	112	239	48	56	168	142	33	2090	2180	357	41	66
4	143	218	60	47	145	219	32	2790	2220	287	192	113
5	195	228	67	84	122	241	34	3080	2100	219	475	134
6	242	200	57	124	154	256	32	5620	1910	152	505	350
7	306	235	47	113	169	239	31	5150	1700	106	543	507
8	333	213	49	103	171	229	28	4100	1560	60	1120	533
9	351	190	40	128	172	216	26	3270	1420	29	1650	522
10	375	172	40	158	163	203	33	2530	1120	19	1520	506
11	385	161	46	278	163	177	32	1980	878	15	1460	453
12	392	159	48	347	166	144	30	1630	713	11	1330	447
13	406	172	77	457	155	137	26	1490	687	3.9	1120	443
14	417	176	84	434	190	118	20	1370	909	2.7	1300	435
15	441	175	93	478	198	113	20	1170	1150	2.5	1060	404
16	424	126	79	486	241	112	20	1070	1470	2.6	834	400
17	376	115	72	494	202	109	20	944	1440	2.4	890	404
18	337	92	62	466	151	104	18	853	1640	2.4	880	336
19	313	66	97	368	142	101	14	797	1980	2.5	559	315
20	317	58	38	200	130	96	16	745	2270	4.4	438	345
21	342	60	15	93	177	88	17	689	2390	36	338	370
22	339	55	75	85	191	76	18	655	2430	31	297	388
23	307	57	78	83	195	76	19	593	2390	25	257	432
24	282	53	98	84	182	69	18	623	2230	18	211	565
25	277	65	136	105	190	67	17	624	1930	12	177	618
26	278	65	158	140	218	63	16	589	1660	6.0	148	575
27	265	66	159	162	219	57	145	614	1890	2.3	110	594
28	240	73	148	163	206	53	222	791	1640	1.9	95	581
29	177	75	140	163	---	51	192	1220	1200	1.8	102	553
30	160	70	129	155	---	47	192	1450	799	1.7	66	536
31	152	---	111	152	---	42	---	1730	---	1.6	48	---
TOTAL	8892	3954	2450	6334	4895	3976	1393	51085	50006	2481.7	17784.3	12012
MEAN	287	132	79.0	204	175	128	46.4	1648	1667	80.1	574	400
AC-FT	17640	7840	4860	12560	9710	7890	2760	101300	99190	4920	35280	23830
MAX	441	239	159	494	241	256	222	5620	2430	611	1650	618
MIN	102	53	15	45	122	42	14	229	687	1.6	4.3	39
CAL YR 1998 TOTAL	109121.2	MEAN	299	MAX	1070	MIN	1.5	AC-FT	216400			
WTR YR 1999 TOTAL	165263.0	MEAN	453	MAX	5620	MIN	1.6	AC-FT	327800			

MAX DISCH 5854 CFS AT 0800 06-MAY-1999 GH 9.23 FT. SHIFT 0.00 FT. MAX GH 9.23 FT. AT 0800 06-MAY-1999

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



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.--The primary record is the hourly satellite data. Record is complete and reliable except for periods when the manometer line was plugged or otherwise unresponsive. Record is fair due to channel instability and instrument correction, except for the following days which were estimated: Dec. 20-30, 1998; Jan. 1-20; May 12-17, 1999. This record is combined with channels 2, 3, and 4 to make up the Julesburg record. Station maintained and record developed by Div. 1 Hydrographic Staff.

RATING TABLE.--ONEJURCO03 USED FROM 01-OCT-1998 TO 30-SEP-1999

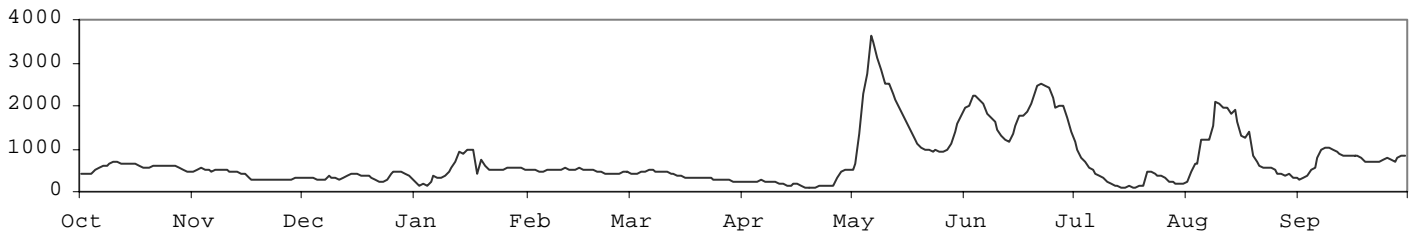
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	438	470	313	248	534	439	242	509	1940	1160	218	286
2	434	506	323	135	517	408	248	656	2020	966	459	315
3	438	542	315	168	500	423	246	1370	2240	811	629	359
4	441	517	303	142	486	479	246	2280	2210	677	659	510
5	511	491	298	254	483	488	255	2760	2150	564	1190	571
6	546	479	299	371	519	493	261	3640	2030	500	1210	808
7	598	496	296	338	515	489	252	3500	1820	439	1190	997
8	618	507	357	309	512	482	233	3110	1720	392	1530	1030
9	650	505	305	386	504	476	222	2820	1640	323	2080	1030
10	685	495	311	474	522	472	225	2490	1430	248	2030	1000
11	683	478	302	557	535	455	199	2490	1290	192	1960	939
12	671	478	319	695	524	437	185	2300	1200	153	1960	888
13	657	470	371	913	531	430	154	2120	1150	132	1820	824
14	652	437	400	867	532	394	135	1940	1370	112	1920	816
15	652	403	410	956	540	367	166	1760	1550	115	1640	822
16	644	348	407	973	532	347	168	1580	1770	119	1300	830
17	599	298	382	989	512	340	142	1400	1760	111	1260	830
18	567	289	375	431	510	330	107	1230	1860	110	1410	775
19	562	284	390	735	495	316	85	1120	2050	122	827	708
20	563	283	315	610	467	321	88	1020	2320	141	703	704
21	591	282	278	514	444	311	113	956	2450	459	604	695
22	618	278	228	523	432	306	139	967	2510	470	569	699
23	615	280	235	519	421	303	145	928	2460	435	558	697
24	606	286	295	512	428	299	130	960	2430	386	550	745
25	612	292	406	529	432	291	129	949	2190	368	501	795
26	614	295	473	568	439	281	146	935	1960	314	439	724
27	598	293	476	554	448	269	334	982	2010	245	406	719
28	579	300	442	558	456	262	473	1110	1990	220	386	768
29	505	306	422	536	---	247	493	1390	1710	203	438	816
30	466	309	386	537	---	238	497	1600	1400	199	341	856
31	464	---	335	531	---	236	---	1760	---	182	318	---
TOTAL	17877	11697	10767	16432	13770	11429	6458	52632	56630	10868	31105	22556
MEAN	577	390	347	530	492	369	215	1698	1888	351	1003	752
AC-FT	35460	23200	21360	32590	27310	22670	12810	104400	112300	21560	61700	44740
MAX	685	542	476	989	540	493	497	3640	2510	1160	2080	1030
MIN	434	278	228	135	421	236	85	509	1150	110	218	286

CAL YR 1998 TOTAL 179429 MEAN 492 MAX 1080 MIN 38 AC-FT 355900
WTR YR 1999 TOTAL 262221 MEAN 718 MAX 3640 MIN 85 AC-FT 520100

MAX DISCH 3765 CFS AT 1245 06-MAY-1999 GH 9.45 FT. SHIFT 0.09 FT. MAX GH 9.45 FT. AT 1245 06-MAY-1999

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



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.--The primary record is hourly satellite data. The record is complete. The record is reliable except for the following periods: Nov. 21-23, 1998 due to inlet problems; May 3-5, 1999 when float tape came off pulley; May 15-17, 1999 when the encoder float hung up. The record is fair due to the channel instability, except for the above estimated days. This record is combined with two other records to get total flow at Julesburg. Station maintained and record developed by Div. 1 Hydrographic Staff.

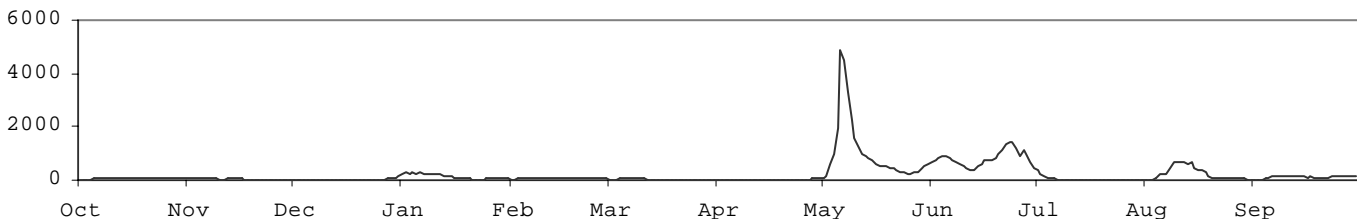
RATING TABLE.--PLAJULCO21 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	40	11	199	36	37	5.2	52	673	364	7.0	17
2	24	50	9.5	270	35	28	4.7	158	746	234	2.8	21
3	26	59	9.6	226	39	30	4.7	610	818	141	6.5	31
4	34	55	9.7	291	39	49	4.5	944	881	102	58	47
5	42	49	12	242	40	54	4.7	1960	878	75	190	61
6	53	46	13	275	53	53	4.2	4910	826	50	204	116
7	69	50	11	259	56	53	4.2	4520	762	34	231	152
8	72	49	7.5	258	54	52	4.0	3300	703	25	469	152
9	80	45	8.1	236	57	48	4.1	2280	634	20	709	152
10	86	37	7.6	218	60	44	4.2	1590	530	16	691	150
11	91	36	7.0	215	64	39	4.0	1240	455	12	692	143
12	92	42	12	208	62	31	3.9	1010	395	10	673	141
13	94	45	18	180	57	28	3.2	881	380	12	588	129
14	91	47	24	149	62	25	2.6	801	489	19	651	122
15	85	46	24	116	72	24	2.4	718	618	16	458	114
16	76	38	25	91	82	25	2.2	632	758	10	339	110
17	67	33	25	67	72	24	2.1	561	727	9.8	340	114
18	65	27	22	53	56	22	2.0	539	754	10	281	93
19	65	22	13	46	48	20	1.9	500	835	17	141	85
20	69	18	7.1	40	46	19	2.0	466	985	21	105	94
21	70	16	6.7	33	45	17	2.9	434	1150	19	84	93
22	70	14	6.6	28	47	16	3.1	395	1330	11	75	98
23	67	11	6.8	27	48	14	2.4	319	1460	16	68	113
24	65	10	6.8	28	49	12	2.2	281	1410	16	62	155
25	68	9.7	8.1	38	51	11	2.9	254	1170	13	62	177
26	65	11	19	45	51	8.9	2.3	248	937	19	55	142
27	60	14	35	46	48	8.4	31	283	1110	16	45	144
28	58	13	60	48	46	7.6	51	326	947	13	50	131
29	47	12	88	45	---	7.7	46	427	689	13	39	127
30	40	11	95	44	---	6.5	43	515	477	11	28	138
31	41	---	124	40	---	5.7	---	584	---	8.2	22	---
TOTAL	1956	955.7	732.1	4061	1475	819.8	257.6	31738	24527	1353.0	7426.3	3362
MEAN	63.1	31.9	23.6	131	52.7	26.4	8.59	1024	818	43.6	240	112
AC-FT	3880	1900	1450	8050	2930	1630	511	62950	48650	2680	14730	6670
MAX	94	59	124	291	82	54	51	4910	1460	364	709	177
MIN	24	9.7	6.6	27	35	5.7	1.9	52	380	8.2	2.8	17
CAL YR 1998 TOTAL	27883.33	MEAN	76.4	MAX	357	MIN	0.50	AC-FT	55310			
WTR YR 1999 TOTAL	78663.5	MEAN	216	MAX	4910	MIN	1.9	AC-FT	156000			

MAX DISCH 5144 CFS AT 0815 06-MAY-1999 GH 7.43 FT. SHIFT 0.13 FT. MAX GH 7.43 FT. AT 0815 06-MAY-1999

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



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.

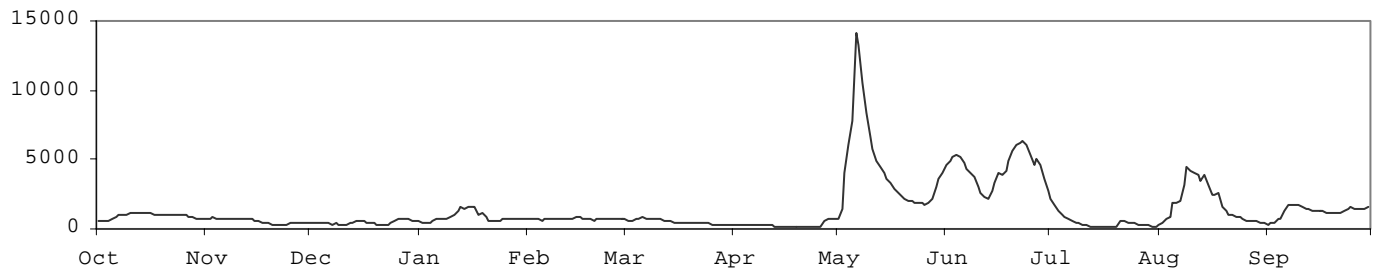
REMARKS.--Record obtained by combining data from Channel No. 2 and Channel No. 4 and Channel No. 1. Records developed by Div 1 Hydrographic Staff.

JULESBURG COMBINED

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	568	656	376	530	727	662	284	790	4610	2140	229	342
2	560	730	379	450	710	581	288	1410	4870	1660	476	384
3	576	840	373	450	707	595	284	4070	5240	1310	677	456
4	618	790	373	480	670	747	282	6010	5310	1070	909	670
5	748	768	377	580	645	783	294	7800	5130	858	1860	766
6	841	725	369	770	726	802	297	14100	4770	702	1920	1270
7	973	781	354	710	740	781	287	13200	4280	579	1960	1660
8	1020	769	413	670	737	763	265	10500	3980	477	3120	1720
9	1080	740	353	750	733	740	252	8370	3690	372	4440	1700
10	1150	704	359	850	745	719	262	6610	3080	283	4240	1660
11	1160	675	355	1050	762	671	235	5710	2620	219	4110	1540
12	1160	679	379	1250	752	612	219	4940	2310	174	3960	1480
13	1160	687	466	1550	743	595	183	4490	2220	148	3530	1400
14	1160	660	508	1450	784	537	158	4110	2770	134	3870	1370
15	1180	624	527	1550	810	504	188	3650	3320	133	3160	1340
16	1140	512	511	1550	855	484	190	3280	4000	132	2470	1340
17	1040	446	479	1550	786	473	164	2900	3930	123	2490	1350
18	969	408	459	950	717	456	127	2620	4250	122	2570	1200
19	940	372	500	1150	685	437	101	2420	4870	142	1530	1110
20	949	359	360	850	643	436	106	2230	5580	166	1250	1140
21	1000	358	300	640	666	416	133	2080	5990	514	1030	1160
22	1030	347	310	636	670	398	160	2020	6270	512	941	1180
23	989	348	320	629	664	393	166	1840	6310	476	883	1240
24	953	349	400	624	659	380	150	1860	6070	420	823	1460
25	957	367	550	672	673	369	149	1830	5290	393	740	1590
26	957	371	650	753	708	353	164	1770	4560	339	642	1440
27	923	373	670	762	715	334	510	1880	5010	263	561	1460
28	877	386	650	769	708	323	746	2230	4580	235	531	1480
29	729	393	650	744	---	306	731	3040	3600	218	579	1500
30	666	390	610	736	---	292	732	3560	2680	212	435	1530
31	657	---	570	723	---	284	---	4070	---	192	388	---
TOTAL	28730	16607	13950	26828	20140	16226	8107	135390	131190	14718	56324	37938
MEAN	927	554	450	865	719	523	270	4367	4373	475	1817	1265
AC-FT	56990	32940	27670	53210	39950	32180	16080	268500	260200	29190	111700	75250
MAX	1180	840	670	1550	855	802	746	14100	6310	2140	4440	1720
MIN	560	347	300	450	643	284	101	790	2220	122	229	342
CAL YR 1998 TOTAL		316473	MEAN	867	MAX	2510	MIN	50	AC-FT	627700		
WTR YR 1999 TOTAL		506148	MEAN	1387	MAX	14100	MIN	101	AC-FT	1004000		

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



PLATTE RIVER BASIN

TRANSMOUNTAIN DIVERSIONS INTO THE SOUTH PLATTE BASIN IN COLORADO

FROM THE COLORADO RIVER BASIN

NAME	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
Adams Tunnel*	1197	346	8018	3123	10017	16912	15940	8457	396	13780	4883	480	83549
Aurora Homestake	0	306	1956	2066	1873	2015	1851	1600	0	0	0	0	11667
Berthoud Pass Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0
Boreas Pass Ditch	0	0	0	0	0	0	0	0	27.6	78.9	19.1	0	125.6
Grand River Ditch	0	0	0	0	0	0	0	37.3	5261	3554	934.9	15.7	9802.9
Hoosier Pass Ditch	166	0	0	0	0	0	0	434.6	1747	814	835	785	4781.6
Moffat Tunnel	1330	661	382.6	262.9	187.7	214.3	262.6	4155	4395	5241	1438.2	895.6	19425.9
Roberts Tunnel	146.5	315.2	129.3	996.4	3476	5900	6461.7	0	0	1844	828.8	261.6	20359.5
Straight Creek Tunnel	9.0	8.7	9.0	9.0	8.1	9.0	8.7	9.3	20.7	58.9	25.1	19.2	194.7
Vidler Tunnel	0	0	0	0	0	0	0	0	0	151.7	122.9	17.6	292.2
TOTALS FROM THE COLORADO RIVER BASIN (DAY-CFS)													150198.4
TOTALS FROM THE COLORADO RIVER BASIN (ACRE-FT)													297919

*West slope water only

FROM THE LARAMIE RIVER BASIN

NAME	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
Bob Creek Ditch	0	0	0	0	0	0	0	8.8	19.9	0	0	0	28.7
Deadman Ditch	0	0	0	0	0	0	0	0	2.3	64	0	0	66.3
Laramie-Poudre Tunnel	0	0	0	0	0	0	0	0	480	4592	1680	316	7068
Skyline Ditch	0	0	0	0	0	0	0	0	0	96.2	0	0	96.2
Wilson Supply Ditch*	0	0	0	0	0	0	0	650	236.5	34.6	0	0	921.1
TOTALS FROM THE LARAMIE RIVER BASIN (DAY-CFS)													8180.3
TOTALS FROM THE LARAMIE RIVER BASIN (ACRE-FT)													16226

*Total flow at Wilson Supply Gage minus Deadman Ditch Flow

FROM THE NORTH PLATTE RIVER BASIN

NAME	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
Cameron Pass Ditch	0	0	0	0	0	0	0	0	0	6.1	0	0	6.1
Michigan Ditch	63.2	48.5	26.2	20.2	21.2	23.5	27.1	176.3	567	761	204.9	0	1939.1
TOTALS FROM THE NORTH PLATTE RIVER BASIN (DAY-CFS)													1945.2
TOTALS FROM THE NORTH PLATTE RIVER BASIN (ACRE-FT)													3858

TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

AURORA HOMESTAKE PIPELINE ABOVE ELEVENMILE RESERVOIR

LOCATION.--

DRAINAGE AREA.--

GAGE.--A venturi meter in the pipeline. A Parshall flume installed in the outfall channel was washed around and isolated in localized flooding on July 30, 1998. This water originates in the Eagle River drainage of the Colorado River basin. It is diverted through the Homestake Tunnel and is stored in Twin Lakes in the Arkansas basin. A pipeline from Twin Lakes goes to the Otero Pump station, where water is pumped into the Aurora-Homestake pipeline for use by Aurora and Colorado Springs.

REMARKS.--Daily discharge is averaged by personnel at Spinney Reservoir. The record is user-supplied information and is not rated for accuracy. This record is requested by DWR Division 5 and the Upper Colorado River Commission as part of their accounting for transmountain diversions. Record developed by Robert E. Cooper.

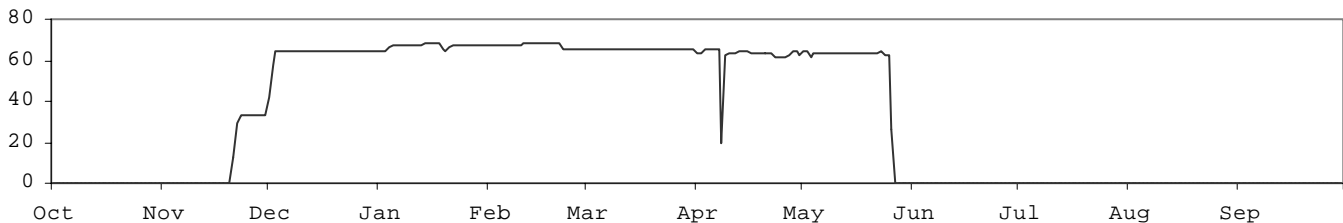
RATING TABLE.--AHOMPLCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	42	64	67	65	63	64	0.0	0.0	0.0	0.0
2	0.0	0.0	58	64	67	65	63	64	0.0	0.0	0.0	0.0
3	0.0	0.0	64	64	67	65	65	61	0.0	0.0	0.0	0.0
4	0.0	0.0	64	66	67	65	65	63	0.0	0.0	0.0	0.0
5	0.0	0.0	64	67	67	65	65	63	0.0	0.0	0.0	0.0
6	0.0	0.0	64	67	67	65	65	63	0.0	0.0	0.0	0.0
7	0.0	0.0	64	67	67	65	65	63	0.0	0.0	0.0	0.0
8	0.0	0.0	64	67	67	65	20	63	0.0	0.0	0.0	0.0
9	0.0	0.0	64	67	67	65	62	63	0.0	0.0	0.0	0.0
10	0.0	0.0	64	67	67	65	63	63	0.0	0.0	0.0	0.0
11	0.0	0.0	64	67	68	65	63	63	0.0	0.0	0.0	0.0
12	0.0	0.0	64	67	68	65	63	63	0.0	0.0	0.0	0.0
13	0.0	0.0	64	67	68	65	64	63	0.0	0.0	0.0	0.0
14	0.0	0.0	64	68	68	65	64	63	0.0	0.0	0.0	0.0
15	0.0	0.0	64	68	68	65	64	63	0.0	0.0	0.0	0.0
16	0.0	0.0	64	68	68	65	63	63	0.0	0.0	0.0	0.0
17	0.0	0.0	64	68	68	65	63	63	0.0	0.0	0.0	0.0
18	0.0	0.0	64	68	68	65	63	63	0.0	0.0	0.0	0.0
19	0.0	0.0	64	65	68	65	63	63	0.0	0.0	0.0	0.0
20	0.0	0.0	64	64	68	65	63	63	0.0	0.0	0.0	0.0
21	0.0	13	64	66	68	65	63	63	0.0	0.0	0.0	0.0
22	0.0	29	64	67	65	65	63	63	0.0	0.0	0.0	0.0
23	0.0	33	64	67	65	65	61	64	0.0	0.0	0.0	0.0
24	0.0	33	64	67	65	65	61	62	0.0	0.0	0.0	0.0
25	0.0	33	64	67	65	65	61	62	0.0	0.0	0.0	0.0
26	0.0	33	64	67	65	65	61	26	0.0	0.0	0.0	0.0
27	0.0	33	64	67	65	65	62	0.0	0.0	0.0	0.0	0.0
28	0.0	33	64	67	65	65	64	0.0	0.0	0.0	0.0	0.0
29	0.0	33	64	67	---	65	64	0.0	0.0	0.0	0.0	0.0
30	0.0	33	64	67	---	65	62	0.0	0.0	0.0	0.0	0.0
31	0.0	---	64	67	---	65	---	0.0	---	0.0	0.0	---
TOTAL	0.0	306	1956	2066	1873	2015	1851	1600	0.0	0.0	0.0	0.0
MEAN	0.0	10.2	63.1	66.6	66.9	65.0	61.7	51.6	0.0	0.0	0.0	0.0
AC-FT	0.0	607	3880	4100	3720	4000	3670	3170	0.0	0.0	0.0	0.0
MAX	0.0	33	64	68	68	65	65	64	0.0	0.0	0.0	0.0
MIN	0.0	0.0	42	64	65	65	20	0.0	0.0	0.0	0.0	0.0

CAL YR 1998 TOTAL 2262 MEAN 6.20 MAX 64 MIN 0.00 AC-FT 4490
WTR YR 1999 TOTAL 11667 MEAN 32.0 MAX 68 MIN 0.00 AC-FT 23140

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. These were Apr. 26-30; May 1-June 8, 18, 20; July 29-31; Aug. 1-3, 7-11, 18, 20-21, 27-29, 31; Sep. 1-5, 11-14, 1999. 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 Rodger Burcher.

RATING TABLE.--HSPTUNCO04 USED FROM 01-OCT-1998 TO 30-SEP-1999

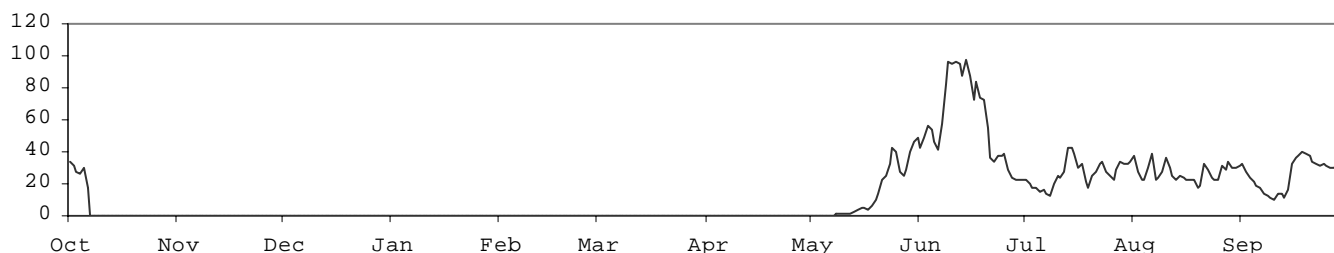
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	22	37	33
2	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	20	28	28
3	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	18	22	24
4	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	17	23	21
5	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	15	30	19
6	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	16	39	17
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	58	14	23	14
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	82	13	24	12
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	96	20	28	11
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	95	25	36	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	96	24	30	14
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	95	27	25	14
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	88	42	22	11
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	97	42	25	16
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	88	39	24	33
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	73	30	22	36
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	84	33	23	38
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	74	21	23	40
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	73	18	17	39
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	55	25	19	37
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	36	28	32	34
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	34	33	29	32
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	37	34	24	31
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	37	28	22	32
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	39	25	23	31
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	29	23	31	30
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	24	29	29	30
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	23	34	34	32
29	0.0	0.0	0.0	0.0	---	0.0	0.0	40	23	32	30	33
30	0.0	0.0	0.0	0.0	---	0.0	0.0	46	23	33	30	33
31	0.0	---	0.0	0.0	---	0.0	---	49	---	34	31	---
TOTAL	166	0.0	0.0	0.0	0.0	0.0	0.0	434.60	1747	814	835	785
MEAN	5.35	0.0	0.0	0.0	0.0	0.0	0.0	14.0	58.2	26.3	26.9	26.2
AC-FT	329	0.0	0.0	0.0	0.0	0.0	0.0	862	3470	1610	1660	1560
MAX	34	0.0	0.0	0.0	0.0	0.0	0.0	49	97	42	39	40
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	13	17	10

CAL YR 1998 TOTAL 4680.1 MEAN 12.8 MAX 142 MIN 0.00 AC-FT 9280
WTR YR 1999 TOTAL 4781.60 MEAN 13.1 MAX 97 MIN 0.00 AC-FT 9480

MAX DISCH 126 CFS AT 2100 14-JUN-1999 GH 2.38 FT. SHIFT -0.04 FT. MAX GH 2.38 FT. AT 2100 14-JUN-1999

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. From June 22-Aug. 27, 1999, satellite data was collected. The satellite equipment check sheet showed no differences between the staff and the DCP. The record is complete and reliable. Record is good. Record developed by Rodger Burcher.

RATING TABLE--BORDITCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

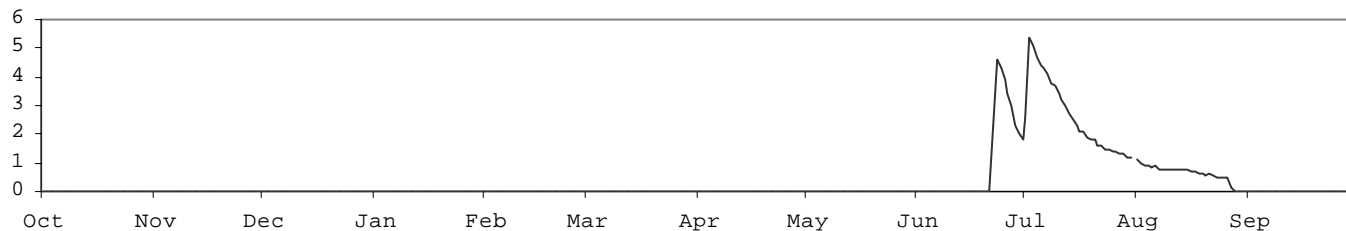
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	2.6	1.1	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	1.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.94	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.89	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.87	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.89	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.79	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.75	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.74	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.77	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.79	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.79	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.79	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.75	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.75	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.71	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.67	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.65	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.61	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.59	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.61	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.6	0.55	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	1.5	0.50	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	1.5	0.48	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.4	0.46	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	1.4	0.46	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.3	0.15	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.3	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.0	1.2	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.8	1.2	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	27.6	78.9	19.06	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.92	2.63	0.61	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55	156	38	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	5.4	1.1	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0

CAL YR 1998 TOTAL 95.15 MEAN 0.26 MAX 2.3 MIN 0.00 AC-FT 189
WTR YR 1999 TOTAL 125.56 MEAN 0.34 MAX 5.4 MIN 0.00 AC-FT 249

MAX DISCH 6.6 CFS AT 1930 22-JUN-1999 GH 1.06 FT. SHIFT 0.00 FT. MAX GH 1.06 FT. AT 1930 22-JUN-1999

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. 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 Rodger Burcher.

RATING TABLE.--ROBTUNCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

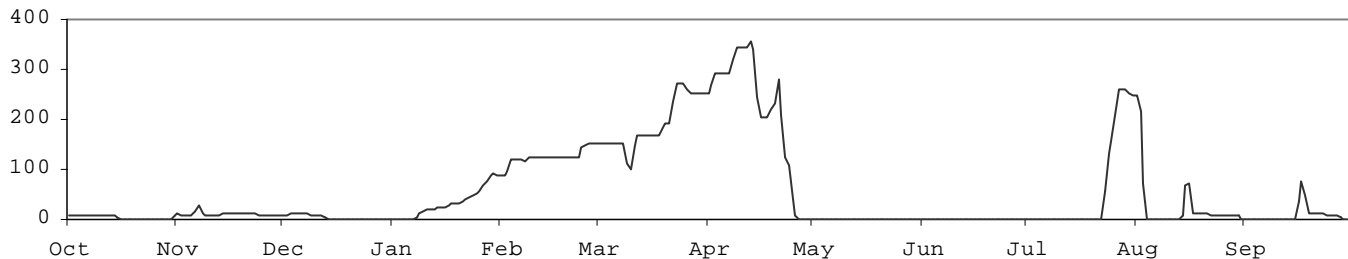
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	12	8.1	0.63	90	152	252	0.0	0.0	0.0	248	0.0
2	9.4	9.4	9.9	0.63	90	152	269	0.0	0.0	0.0	216	0.0
3	9.4	7.8	12	0.63	95	152	293	0.0	0.0	0.0	73	0.0
4	9.4	7.8	12	0.63	120	152	293	0.0	0.0	0.0	0.0	0.0
5	9.4	7.8	12	0.63	122	152	292	0.0	0.0	0.0	0.0	0.0
6	9.4	18	12	0.63	122	152	291	0.0	0.0	0.0	0.0	0.0
7	9.4	27	12	0.63	122	152	291	0.0	0.0	0.0	0.0	0.0
8	9.4	12	12	6.0	118	153	321	0.0	0.0	0.0	0.0	0.0
9	9.4	7.1	10	13	123	112	343	0.0	0.0	0.0	0.0	0.0
10	9.4	7.3	10	16	123	100	345	0.0	0.0	0.0	0.0	0.0
11	9.4	8.4	8.1	19	123	148	345	0.0	0.0	0.0	0.0	0.0
12	9.4	8.8	7.5	20	123	167	345	0.0	0.0	0.0	0.0	0.0
13	9.4	10	3.7	21	123	167	358	0.0	0.0	0.0	0.0	0.0
14	9.4	11	0.0	23	123	167	341	0.0	0.0	0.0	10	0.0
15	5.1	11	0.0	25	123	167	244	0.0	0.0	0.0	67	0.0
16	0.0	11	0.0	26	123	167	204	0.0	0.0	0.0	72	35
17	0.0	11	0.0	29	125	167	204	0.0	0.0	0.0	12	76
18	0.0	11	0.0	31	124	167	204	0.0	0.0	0.0	12	50
19	0.0	11	0.0	32	123	185	221	0.0	0.0	0.0	11	12
20	0.0	11	0.0	33	123	193	231	0.0	0.0	0.0	11	11
21	0.0	11	0.0	35	123	193	281	0.0	0.0	0.0	11	11
22	0.0	11	0.0	41	124	236	210	0.0	0.0	0.0	10	11
23	0.0	11	0.0	45	125	273	126	0.0	0.0	57	10	11
24	0.0	10	0.0	49	144	273	108	0.0	0.0	134	10	10
25	0.0	10	0.0	54	147	273	42	0.0	0.0	158	10	10
26	0.0	10	0.0	58	151	260	7.7	0.0	0.0	208	10	9.8
27	0.0	8.4	0.0	69	152	254	0.0	0.0	0.0	262	10	9.5
28	0.0	7.8	0.0	78	152	254	0.0	0.0	0.0	262	10	4.9
29	0.0	7.8	0.0	88	---	254	0.0	0.0	0.0	261	9.6	0.35
30	0.0	7.8	0.0	91	---	254	0.0	0.0	0.0	252	6.2	0.0
31	9.8	---	0.0	90	---	252	---	0.0	---	250	0.0	---
TOTAL	146.5	315.2	129.3	996.41	3476	5900	6461.7	0.0	0.0	1844	828.8	261.55
MEAN	4.73	10.5	4.17	32.1	124	190	215	0.0	0.0	59.5	26.7	8.72
AC-FT	291	625	256	1980	6890	11700	12820	0.0	0.0	3660	1640	519
MAX	9.8	27	12	91	152	273	358	0.0	0.0	262	248	76
MIN	0.0	7.1	0.0	0.63	90	100	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1998 TOTAL 13266.0 MEAN 36.3 MAX 521 MIN 0.00 AC-FT 26310
WTR YR 1999 TOTAL 20359.46 MEAN 55.8 MAX 358 MIN 0.00 AC-FT 40380

MAX DISCH 412 CFS AT 1400 13-APR-1999 GH 2.80 FT. SHIFT 0.07 FT. MAX GH 2.80 FT. AT 1400 13-APR-1999

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 record is taken from chart readings. Gage heights were computed by the Vidler Water Co. operator using an average of 12 two-hour readings, and were checked by DWR personnel. Record is considered good. Record developed by Rodger Burcher.

RATING TABLE.-- VIDTUNCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

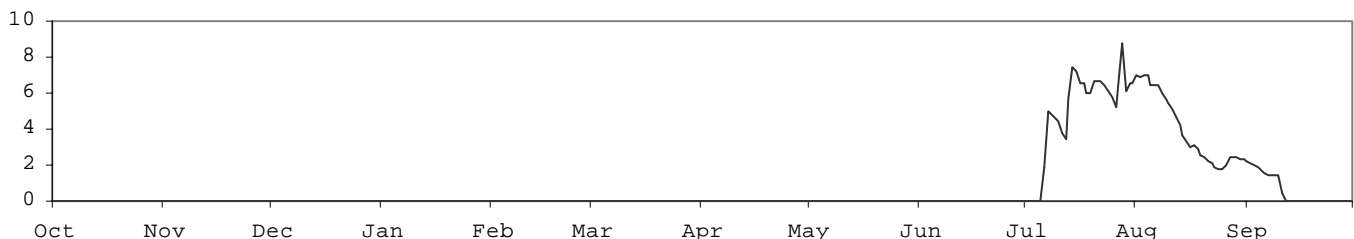
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	7.0	2.2
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	2.1
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	2.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	1.9
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	1.7
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	6.4	1.6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	6.4	1.5
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	6.0	1.4
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	5.7	1.4
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	5.5	1.4
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	5.1	0.40
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	4.7	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	4.2	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	3.7	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	3.3	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	3.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	3.1	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.9	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.6	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	2.4	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	2.2	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	2.1	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	1.9	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	1.8	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	1.8	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	2.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	2.4	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	2.4	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	6.1	2.4	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	6.6	2.3	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	6.6	2.3	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	151.7	122.9	17.60
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.89	3.96	0.59
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	301	244	35
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	7.0	2.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0

CAL YR 1998 TOTAL 213.24 MEAN 0.58 MAX 8.6 MIN 0.00 AC-FT 423
WTR YR 1999 TOTAL 292.20 MEAN 0.80 MAX 8.8 MIN 0.00 AC-FT 580

MAX DISCH 16 CFS AT 1700 28-JUL-1999 GH 1.22 FT. SHIFT -0.04 FT. MAX GH 1.22 FT. AT 1700 28-JUL-1999

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.--CDOT construction work deposited a large amount of material in ditch this year causing a blockage and rendering the ditch unusable for WY 1999. Station maintained and record developed by Rodger Burcher.

RATING TABLE.--BERDITCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
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 1998 TOTAL		743.74	MEAN	2.04	MAX	31	MIN	0.00	AC-FT	1480		
WTR YR 1999 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

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.

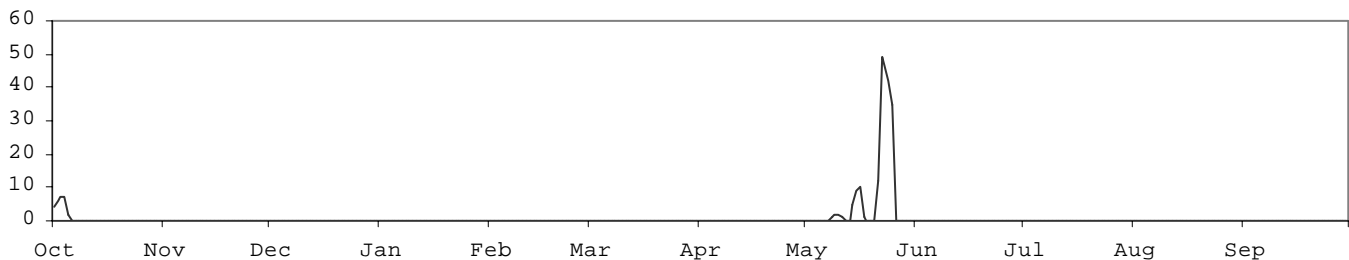
REMARKS.--Record is normally taken from daily chart gage heights, but this year's charts were misplaced by the Denver Water Department. DWD operations records of daily discharges were used. Record is user supplied and not rated for accuracy. Station maintained by Denver Water Board and record developed by Rodger Burcher.

RATING TABLE.--APGTUNCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	2.0	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	1.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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	5.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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	12	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	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	26.0	0.0	0.0	0.0	0.0	0.0	0.0	216.0	0.0	0.0	0.0	0.0
MEAN	0.84	0.0	0.0	0.0	0.0	0.0	0.0	6.97	0.0	0.0	0.0	0.0
AC-FT	52	0.0	0.0	0.0	0.0	0.0	0.0	428	0.0	0.0	0.0	0.0
MAX	7.0	0.0	0.0	0.0	0.0	0.0	0.0	49	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 1998 TOTAL		1314.4	MEAN	3.60	MAX	61	MIN	0.00	AC-FT	2610		
WTR YR 1999 TOTAL		242.0	MEAN	0.66	MAX	49	MIN	0.00	AC-FT	480		

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.--Primary record is satellite data and is complete and reliable. Graphic chart was not available as backup for the period May 1-June 3, 1999. Record is good. Peak stage and discharge were not verified against chart data, as charts not provided by Denver Water Dept. Station maintained by Denver Water Board and record developed by G.T. Anderson.

RATING TABLE.--MOFTUNCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

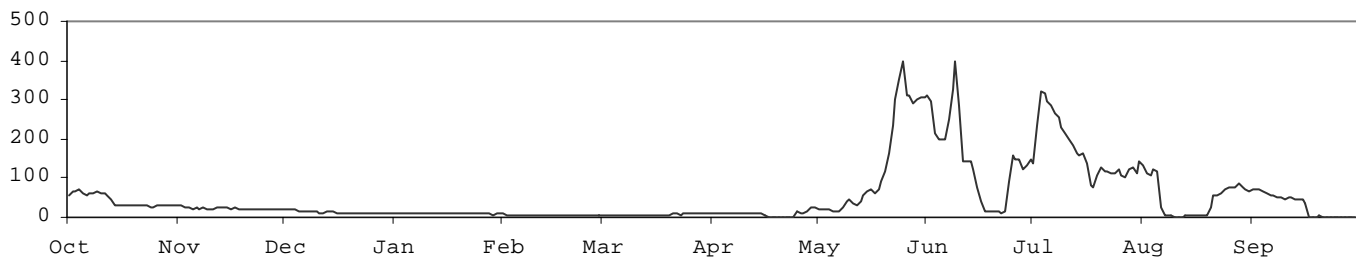
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	29	19	9.3	7.7	5.9	11	20	309	140	135	71
2	65	29	18	8.9	7.4	5.9	9.8	19	298	233	114	70
3	67	28	18	8.8	7.6	5.6	8.8	18	216	323	106	69
4	72	23	18	8.8	7.5	5.9	8.9	18	199	317	122	65
5	62	22	15	8.9	7.5	5.8	8.7	15	197	295	115	61
6	56	24	14	9.1	7.4	5.6	8.7	16	200	284	23	58
7	61	22	13	9.6	7.4	5.7	10	17	248	266	4.1	55
8	61	23	14	9.4	7.5	5.6	11	27	328	253	3.9	51
9	64	22	13	8.7	7.4	5.4	9.1	41	397	232	3.0	50
10	63	19	13	8.7	7.3	5.7	8.6	45	288	214	0.46	48
11	59	21	9.5	8.6	6.7	5.7	9.2	34	143	197	0.39	50
12	57	24	8.1	8.5	6.8	5.6	9.4	29	143	184	0.40	49
13	47	23	13	8.5	6.9	5.3	11	39	143	163	2.9	46
14	33	24	14	8.1	6.9	5.3	12	55	122	157	3.3	44
15	32	24	13	8.2	6.9	5.8	9.4	66	76	161	3.4	47
16	30	22	12	8.3	6.7	5.6	4.9	71	40	138	3.1	35
17	29	23	11	8.4	6.6	5.8	1.5	61	16	82	3.0	2.2
18	29	21	12	8.4	6.8	6.3	1.2	71	14	75	3.0	1.9
19	29	19	12	8.4	6.4	6.8	0.64	94	13	107	3.2	2.2
20	30	18	12	8.4	6.0	7.2	0.15	119	13	128	24	2.7
21	29	20	12	8.6	6.0	7.9	0.18	165	13	119	58	2.2
22	30	22	11	8.3	6.1	7.9	0.32	235	12	115	55	1.9
23	30	21	10	8.3	5.9	7.3	0.88	300	13	111	60	1.7
24	28	20	9.5	8.4	5.7	8.0	2.2	354	92	113	69	1.7
25	27	19	9.1	8.3	5.9	9.0	16	398	160	122	74	1.7
26	29	20	9.8	8.2	5.8	10	12	313	148	109	75	1.7
27	31	20	9.8	7.7	5.5	9.6	12	309	146	100	77	1.7
28	32	20	10	7.7	5.4	8.5	16	292	124	120	85	1.7
29	32	20	10	7.4	---	8.8	24	299	134	127	75	1.7
30	31	19	10	8.1	---	9.8	25	307	150	114	70	1.6
31	30	---	9.8	7.9	---	11	---	308	---	142	67	---
TOTAL	1330	661	382.6	262.9	187.7	214.3	262.58	4155	4395	5241	1438.16	895.6
MEAN	42.9	22.0	12.3	8.48	6.70	6.91	8.75	134	147	169	46.4	29.9
AC-FT	2640	1310	759	521	372	425	521	8240	8720	10400	2850	1780
MAX	72	29	19	9.6	7.7	11	25	398	397	323	135	71
MIN	27	18	8.1	7.4	5.4	5.3	0.15	15	12	75	0.39	1.6

CAL YR 1998 TOTAL 18091.84 MEAN 49.6 MAX 342 MIN 0.00 AC-FT 35890
WTR YR 1999 TOTAL 19425.84 MEAN 53.2 MAX 398 MIN 0.15 AC-FT 38530

MAX DISCH 495 CFS AT 0015 25-MAY-1999 GH 3.83 FT. SHIFT 0.00 FT. MAX GH 3.83 FT. AT 0015 25-MAY-1999

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 27-July 27, 1999, approximately 1360 a/f of Wind River water was included at the gage. This record at the 15' Parshall flume minus 1360 a/f of Wind River water equals the diversion from the western slope. Record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--ADATUNCO06 USED FROM 01-OCT-1998 TO 30-SEP-1999

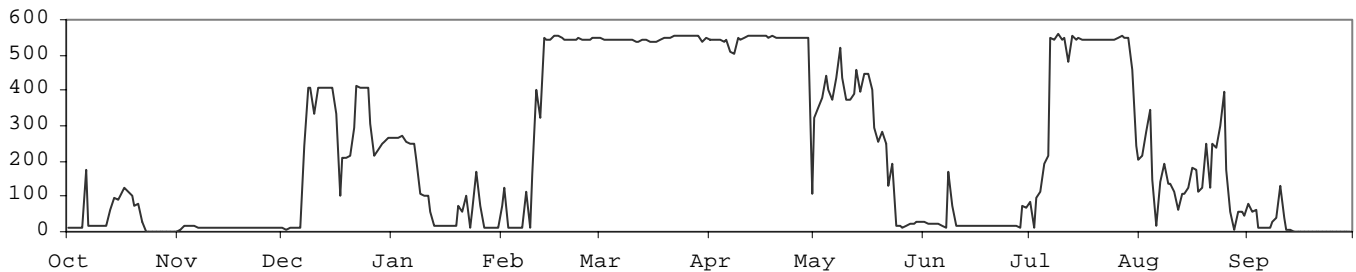
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	0.0	11	267	72	548	546	322	26	86	203	79
2	10	3.9	8.3	268	125	543	545	352	25	11	215	55
3	10	15	11	268	14	543	545	381	24	97	285	63
4	10	15	9.6	269	12	542	543	440	23	116	347	9.4
5	10	15	9.7	257	11	543	539	402	24	192	147	9.1
6	175	15	9.6	250	11	543	541	371	19	213	17	9.1
7	16	14	243	249	11	543	508	438	14	547	140	9.1
8	17	14	410	202	115	543	506	518	170	546	190	27
9	17	12	407	108	9.7	542	549	435	74	559	134	42
10	17	12	334	102	166	542	546	373	15	546	135	131
11	17	12	407	102	401	540	551	372	15	549	115	37
12	17	12	407	56	322	539	553	389	16	482	64	5.6
13	62	12	406	18	549	541	554	458	15	552	106	4.1
14	97	12	405	18	544	542	554	397	16	545	107	0.0
15	91	12	405	18	543	540	553	450	17	550	124	0.0
16	103	12	335	18	552	540	553	446	17	546	180	0.0
17	125	12	102	18	552	540	554	402	17	546	176	0.0
18	113	12	212	18	547	542	549	296	17	546	115	0.0
19	102	11	212	18	544	548	556	252	17	546	125	0.0
20	71	12	213	74	545	548	551	282	17	546	250	0.0
21	81	12	296	54	545	548	549	250	18	544	127	0.0
22	26	11	411	101	545	552	548	133	18	544	250	0.0
23	0.0	11	408	13	547	552	547	193	17	544	235	0.0
24	0.0	11	408	60	545	553	549	16	17	546	300	0.0
25	0.0	11	410	168	545	554	551	17	16	546	397	0.0
26	0.0	11	305	74	546	555	549	14	16	548	173	0.0
27	0.0	11	215	11	548	555	548	17	15	552	57	0.0
28	0.0	11	233	11	550	554	548	23	14	551	7.2	0.0
29	0.0	11	247	11	---	554	548	25	76	548	58	0.0
30	0.0	11	257	11	---	536	107	26	67	460	56	0.0
31	0.0	---	267	11	---	547	---	26	---	245	48	---
TOTAL	1196.6	345.9	8014.2	3123	10016.7	16912	15940	8516	852	13949	4883.2	480.4
MEAN	38.6	11.5	259	101	358	546	531	275	28.4	450	158	16.0
AC-FT	2370	686	15900	6190	19870	33540	31620	16890	1690	27670	9690	953
MAX	175	15	411	269	552	555	556	518	170	559	397	131
MIN	0.0	0.0	8.3	11	9.7	536	107	14	14	11	7.2	0.0

CAL YR 1998 TOTAL 86814.48 MEAN 238 MAX 567 MIN 0.00 AC-FT 172200
WTR YR 1999 TOTAL 84229.0 MEAN 231 MAX 559 MIN 0.00 AC-FT 167100

MAX DISCH 568 CFS AT 1745 09-JUL-1999 GH 4.17 FT. SHIFT 0.00 FT. MAX GH 4.17 FT. AT 1745 09-JUL-1999

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.--The station was opened on June 2, 1999. The period from May 28-June 2, 1999 based on Water Commissioner estimates. Chart for June 22-29 was lost. Satellite data was available. Also chart wasn't changed on Aug. 10, 1999, so no chart record for Aug. 11-Aug. 17, 1999, but satellite data available. Ditch shut off on Sep. 3, 1999. Record good except for estimated days of May 28-June 2, 1999 which are poor. Station maintained by George Sievers.

RATING TABLE.--GRNDRDCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

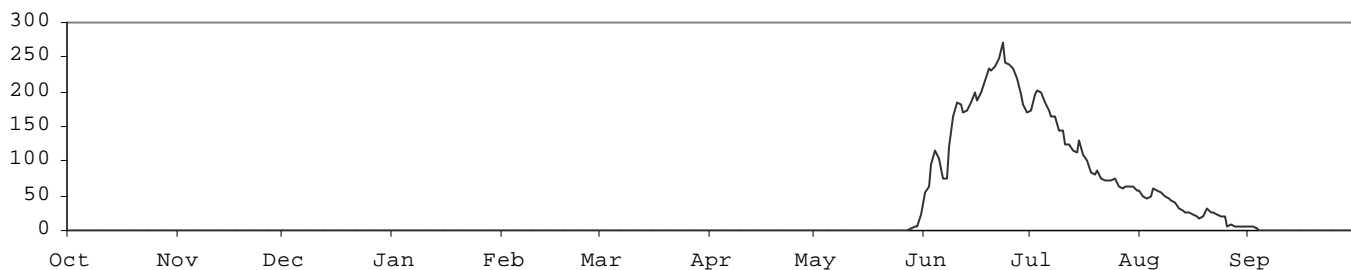
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	55	174	57	5.9
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64	197	50	6.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94	202	46	3.8
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115	200	49	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103	186	62	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75	173	58	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74	164	54	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120	164	49	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164	145	45	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	184	143	43	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	183	125	41	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	171	123	33	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	173	114	30	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186	112	27	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200	130	25	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	187	110	23	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198	102	19	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	217	84	17	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	233	81	20	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	232	86	32	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	236	76	26	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	247	73	26	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	270	71	23	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	241	72	21	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	239	74	19	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	234	64	7.2	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	218	60	7.5	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	197	63	6.6	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	5.1	182	64	6.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	6.7	169	63	6.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	22	---	59	6.6	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.3	5261	3554	934.9	15.7
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.20	175	115	30.2	0.52
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74	10440	7050	1850	31
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	270	202	62	6.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55	59	6.0	0.0

CAL YR 1998 TOTAL 10659.49 MEAN 29.2 MAX 253 MIN 0.00 AC-FT 21140
WTR YR 1999 TOTAL 9802.9 MEAN 26.9 MAX 270 MIN 0.00 AC-FT 19440

MAX DISCH 323 CFS AT 1830 23-JUN-1999 GH 3.73 FT. SHIFT 0.00 FT. MAX GH 3.73 FT. AT 1830 23-JUN-1999

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.--Primary record is mean daily chart values. Water was run from July 8-July 15, 1999. Record is good. Station maintained and record developed by George Sievers and George Varra.

RATING TABLE.--CAPDPC001 USED FROM 01-OCT-1998 TO 30-SEP-1999

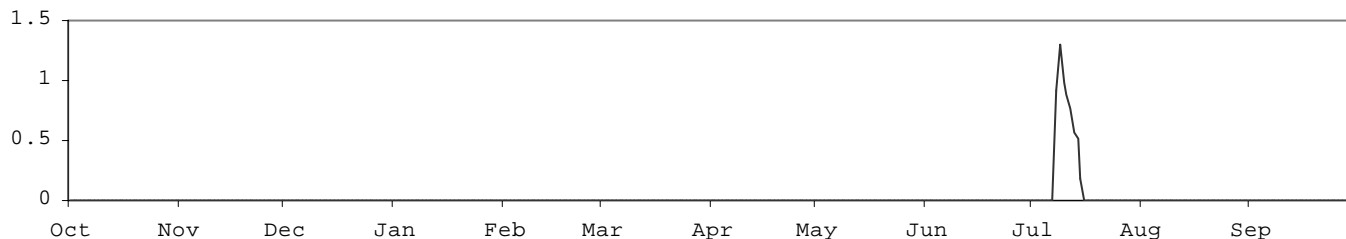
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	0.92	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.99	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	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	6.11	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	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 1998 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1999 TOTAL 6.11 MEAN 0.02 MAX 1.3 MIN 0.00 AC-FT 12

MAX DISCH 1.8 CFS AT 1145 08-JUL-1999 GH 0.38 FT. SHIFT 0.00 FT. MAX GH 0.38 FT. AT 1145 08-JUL-1999

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. 20-31, 1998, no record, flow considered zero during this period; Nov. 1-May 24 based on the Floware data; Oct. 19, 1998; May 25, June 15, 28; Aug. 22 which are all partial chart days. Ditch off June 16-27, Aug. 23-Sep. 30, 1999. Record good except for the partial chart days which are poor. Station maintained and record developed by George Sievers and George Varra.

RATING TABLE.--MICDCPC002 USED FROM 01-OCT-1998 TO 30-SEP-1999

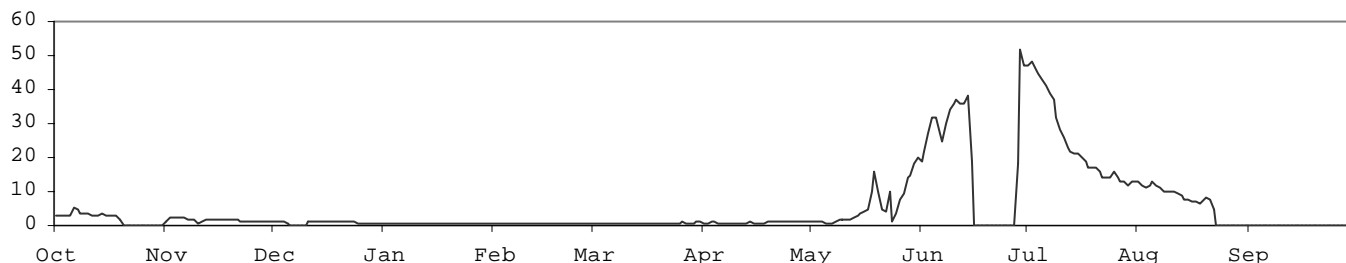
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	1.2	1.3	0.79	0.78	0.72	0.85	1.1	19	47	13	0.0
2	3.2	2.6	1.3	0.76	0.75	0.73	0.88	1.1	22	48	12	0.0
3	3.2	2.6	1.3	0.76	0.79	0.73	0.89	1.1	27	46	11	0.0
4	3.2	2.4	1.1	0.72	0.77	0.67	0.91	0.93	32	45	12	0.0
5	3.0	2.4	0.79	0.56	0.75	0.71	0.87	0.66	32	43	13	0.0
6	5.1	2.2	0.0	0.52	0.76	0.72	0.81	0.64	27	41	12	0.0
7	4.9	1.8	0.0	0.56	0.77	0.73	0.82	0.86	25	39	11	0.0
8	3.7	1.9	0.0	0.64	0.76	0.71	0.80	1.1	30	37	10	0.0
9	3.7	1.6	0.0	0.66	0.75	0.76	0.81	1.9	34	32	9.8	0.0
10	3.4	0.66	0.0	0.55	0.79	0.73	0.75	1.7	36	28	10	0.0
11	3.2	1.1	0.98	0.59	0.69	0.74	0.76	1.8	37	26	10	0.0
12	3.2	1.5	1.0	0.61	0.71	0.73	0.82	1.7	36	23	9.2	0.0
13	3.2	1.6	0.99	0.56	0.75	0.71	0.87	2.2	36	22	8.6	0.0
14	3.4	1.6	1.0	0.57	0.83	0.70	0.91	2.8	38	21	7.9	0.0
15	3.2	1.8	1.1	0.39	0.82	0.72	0.79	3.7	19	21	7.6	0.0
16	3.0	1.8	1.0	0.63	0.79	0.70	0.79	4.4	0.0	20	7.3	0.0
17	3.0	1.7	1.2	0.61	0.81	0.68	0.79	4.6	0.0	19	7.0	0.0
18	3.0	1.5	1.3	0.63	0.75	0.70	0.84	10	0.0	17	6.2	0.0
19	1.8	1.5	1.2	0.66	0.76	0.72	0.89	16	0.0	17	6.8	0.0
20	0.0	1.5	1.1	0.71	0.72	0.76	0.97	10	0.0	17	8.2	0.0
21	0.0	1.5	1.0	0.71	0.76	0.83	0.91	4.5	0.0	16	7.6	0.0
22	0.0	1.4	1.0	0.65	0.75	0.75	0.93	4.4	0.0	14	4.7	0.0
23	0.0	1.4	1.0	0.70	0.71	0.71	0.90	9.8	0.0	14	0.0	0.0
24	0.0	1.4	0.96	0.68	0.71	0.73	0.96	1.4	0.0	14	0.0	0.0
25	0.0	1.4	0.83	0.65	0.74	0.82	1.1	3.8	0.0	16	0.0	0.0
26	0.0	1.2	0.79	0.73	0.74	0.91	1.0	7.6	0.0	14	0.0	0.0
27	0.0	1.3	0.82	0.71	0.70	0.86	1.0	9.5	0.0	13	0.0	0.0
28	0.0	1.3	0.80	0.73	0.74	0.87	1.0	14	18	13	0.0	0.0
29	0.0	1.3	0.77	0.71	---	0.85	1.2	15	52	12	0.0	0.0
30	0.0	1.3	0.79	0.72	---	0.90	1.3	18	47	13	0.0	0.0
31	0.0	---	0.79	0.76	---	0.92	---	20	---	13	0.0	---
TOTAL	63.2	48.46	26.21	20.23	21.15	23.52	27.12	176.29	567	761	204.9	0.0
MEAN	2.04	1.62	0.85	0.65	0.76	0.76	0.90	5.69	18.9	24.5	6.61	0.0
AC-FT	125	96	52	40	42	47	54	350	1120	1510	406	0.0
MAX	5.1	2.6	1.3	0.79	0.83	0.92	1.3	20	52	48	13	0.0
MIN	0.0	0.66	0.0	0.39	0.69	0.67	0.75	0.64	0.0	12	0.0	0.0

CAL YR 1998 TOTAL 2564.78 MEAN 7.03 MAX 59 MIN 0.00 AC-FT 5090
WTR YR 1999 TOTAL 1939.08 MEAN 5.31 MAX 52 MIN 0.00 AC-FT 3850

MAX DISCH 58 CFS AT 1745 28-JUN-1999 GH 1.44 FT. SHIFT 0.00 FT. MAX GH 1.44 FT. AT 1745 28-JUN-1999

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°39'50", long 105°53'10"; 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.--Primary record is the chart from the F-type recorder. Record is good. Water run from July 2-7, 1999. Station maintained and record developed by George Sievers.

RATING TABLE.--SKYDCLCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

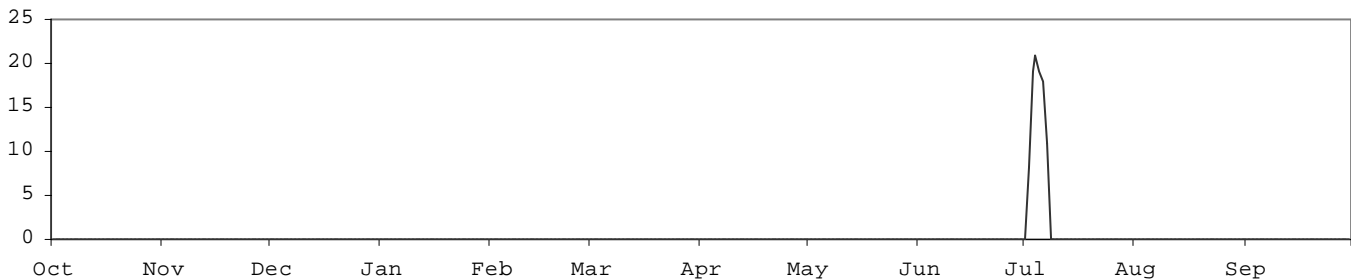
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	8.2	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	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	96.2	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.10	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	191	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1998 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1999 TOTAL 96.2 MEAN 0.26 MAX 21 MIN 0.00 AC-FT 191

MAX DISCH 24 CFS AT 2100 03-JUL-1999 GH 0.73 FT. SHIFT 0.00 FT. MAX GH 0.73 FT. AT 2100 03-JUL-1999

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 June 28-Sep. 10, 1999. Station maintained and record developed by George Sievers and George Varra.

RATING TABLE.--LAPTUNCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

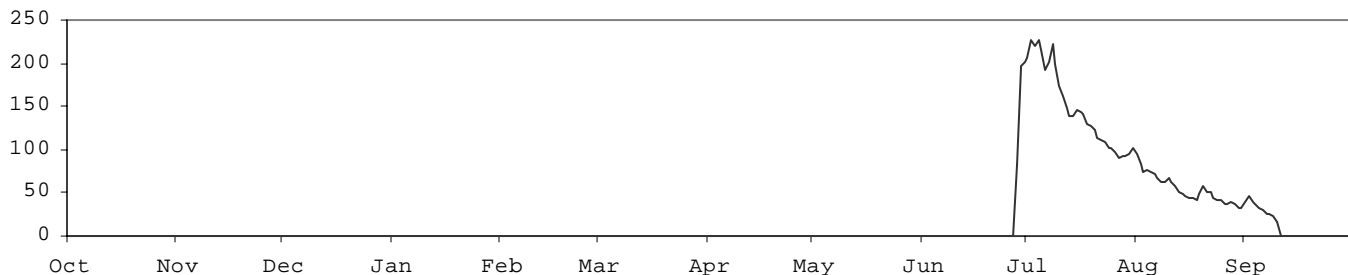
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	206	94	39
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	226	83	46
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	221	75	40
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	227	76	38
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	216	75	32
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	193	71	29
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	201	66	26
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	223	63	25
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198	62	24
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	174	68	17
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	161	63	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	148	58	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140	51	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	139	48	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146	47	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	44	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	141	43	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	129	41	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127	49	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	122	57	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114	51	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112	51	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108	45	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103	41	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	41	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97	38	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91	38	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	92	39	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	196	92	36	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	201	96	33	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	103	33	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	480	4592	1680	316
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	148	54.2	10.5
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	952	9110	3330	627
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	201	227	94	46
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91	33	0.0

CAL YR 1998 TOTAL 9854.0 MEAN 27.0 MAX 184 MIN 0.00 AC-FT 19550
WTR YR 1999 TOTAL 7068 MEAN 19.4 MAX 227 MIN 0.00 AC-FT 14020

MAX DISCH 248 CFS AT 1730 04-JUL-1999 GH 3.16 FT. SHIFT 0.00 FT. MAX GH 3.16 FT. AT 1730 04-JUL-1999

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



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

BOB CREEK DITCH NEAR GLENDEVEY, CO

LOCATION.--Lat 40°31'50", long 105°45'40" NESWNW, sec. 11, 9 N., 75 W.

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

REMARKS.--Water was run from May 18-June 30, 1999. Access to this gage is very difficult and the recorder was set on a 32-day cycle, making working the chart difficult. This record considered poor due to the difficulty that is induced by the 32-day chart. Record developed by George Sievers.

RATING TABLE.--BOBGLNCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

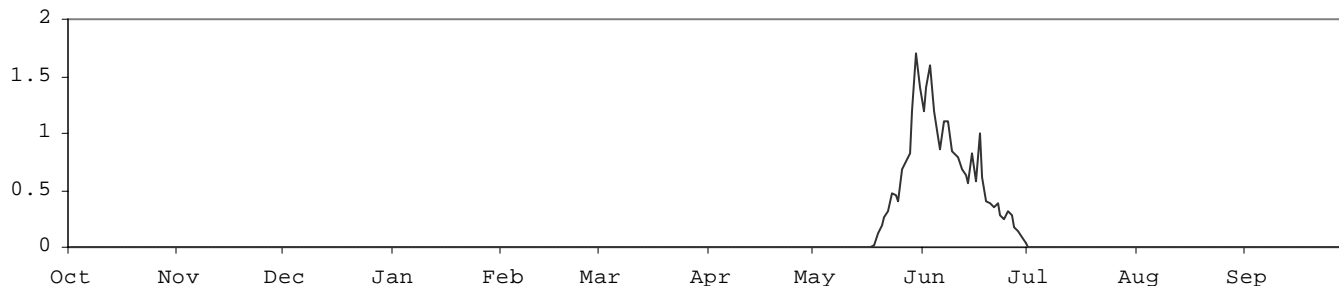
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	1.2	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.96	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.86	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.79	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.64	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.62	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.41	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.38	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.35	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.38	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.28	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.45	0.25	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.31	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.28	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.17	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.14	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	1.2	0.09	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	1.7	0.04	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	8.79	19.89	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	0.66	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	39	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.6	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0

CAL YR 1998 TOTAL 27.93 MEAN 0.08 MAX 1.6 MIN 0.00 AC-FT 55
WTR YR 1999 TOTAL 28.68 MEAN 0.08 MAX 1.7 MIN 0.00 AC-FT 57

MAX DISCH 3.3 CFS AT 0700 17-JUN-1999 GH 0.44 FT. SHIFT 0.00 FT. MAX GH 0.44 FT. AT 0700 17-JUN-1999

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", sec. 9, T. 10 N., R. 75 W., 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. Record is good. Water run from June 30-July 21, 1999. Station maintained and record developed by George Sievers.

RATING TABLE.--DEADDP001 USED FROM 01-OCT-1998 TO 30-SEP-1999

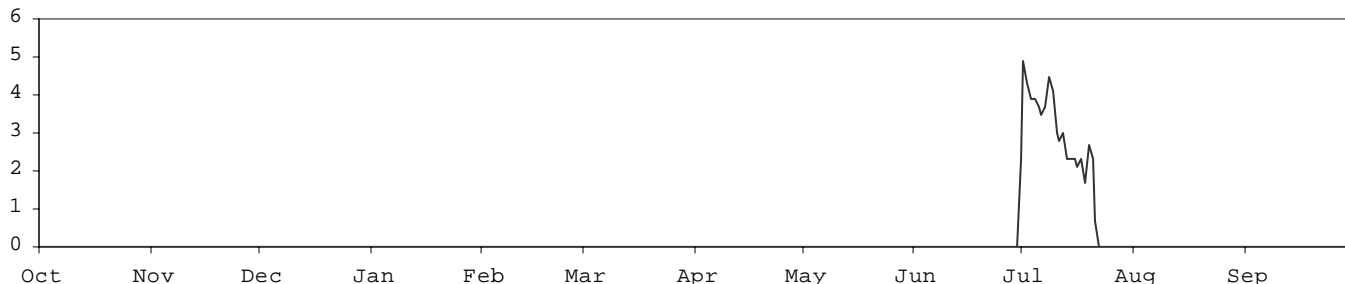
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	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	2.3	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	2.3	64.01	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	2.06	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	127	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.9	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 1998 TOTAL 86.9 MEAN 0.24 MAX 12 MIN 0.00 AC-FT 172
WTR YR 1999 TOTAL 66.31 MEAN 0.18 MAX 4.9 MIN 0.00 AC-FT 132

MAX DISCH 7.9 CFS AT 2230 08-JUL-1999 GH 0.50 FT. SHIFT 0.00 FT. MAX GH 0.50 FT. AT 2230 08-JUL-1999

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 15-July 22, 1999. Record is good. Station maintained and record developed by George Sievers.

RATING TABLE.--WSDEARCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

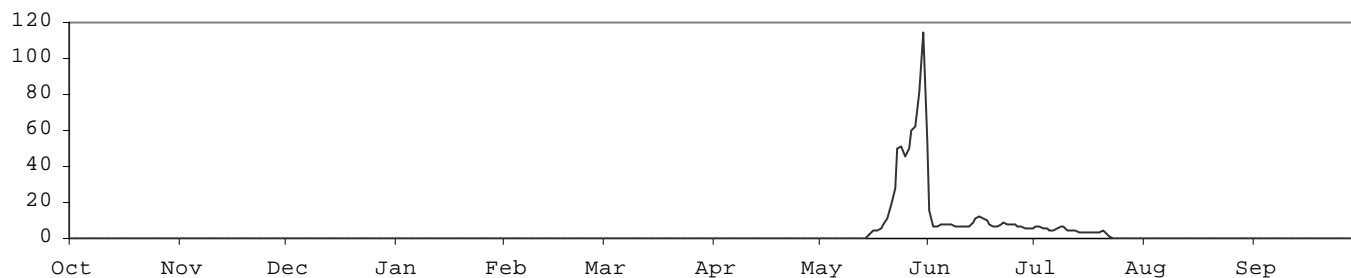
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	6.9	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	6.2	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	5.5	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	5.4	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	5.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	4.7	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	5.8	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	6.5	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.7	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	4.9	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	4.3	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	4.4	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	3.7	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.4	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	12	3.3	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	11	3.3	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	10	3.6	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	7.8	3.1	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	7.0	3.7	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	6.6	4.8	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	7.6	2.7	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	9.3	0.66	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	7.9	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	7.7	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	7.4	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	7.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	6.5	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	6.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	81	5.7	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	114	5.6	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	54	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	650.0	238.8	98.56	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	7.96	3.18	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1290	474	195	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114	16	6.9	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0

CAL YR 1998 TOTAL 710.66 MEAN 1.95 MAX 51 MIN 0.00 AC-FT 1410
WTR YR 1999 TOTAL 987.36 MEAN 2.71 MAX 114 MIN 0.00 AC-FT 1960

MAX DISCH 158 CFS AT 2000 30-MAY-1999 GH 2.38 FT. SHIFT 0.00 FT. MAX GH 2.38 FT. AT 2000 30-MAY-1999

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: Mar. 28-31; Apr. 14-19; July 8-21, 1999 no record due to clock stoppage or no chart installed. Oct. 29, 1998-Mar. 28, 1999 canal was off. Record is good except for the estimated days above. Station maintained by Pioneer Ditch Company. Record developed by Brent Schantz.

RATING TABLE.--PIOHDGCO04 USED FROM 01-OCT-1998 TO 30-SEP-1999

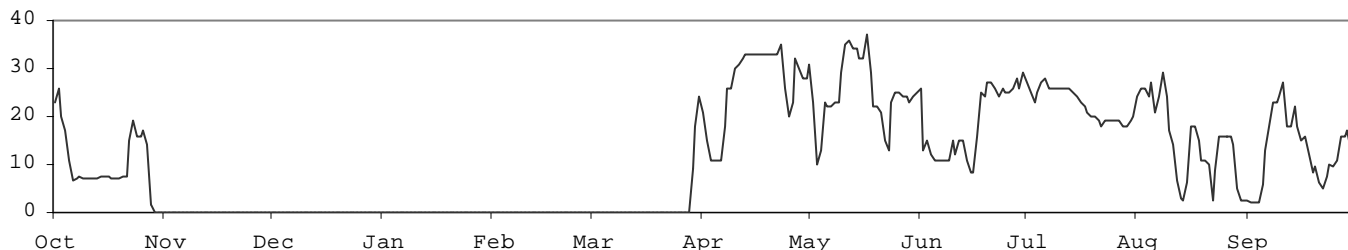
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	0.0	0.0	0.0	0.0	0.0	21	31	26	27	24	2.3
2	26	0.0	0.0	0.0	0.0	0.0	15	23	13	25	26	2.0
3	20	0.0	0.0	0.0	0.0	0.0	11	10	15	23	26	2.0
4	17	0.0	0.0	0.0	0.0	0.0	11	13	12	25	24	1.9
5	11	0.0	0.0	0.0	0.0	0.0	11	23	11	27	27	6.0
6	6.7	0.0	0.0	0.0	0.0	0.0	11	22	11	28	21	13
7	6.9	0.0	0.0	0.0	0.0	0.0	18	22	11	26	24	18
8	7.3	0.0	0.0	0.0	0.0	0.0	26	23	11	26	29	23
9	7.1	0.0	0.0	0.0	0.0	0.0	26	23	11	26	24	23
10	7.1	0.0	0.0	0.0	0.0	0.0	30	29	15	26	17	24
11	6.9	0.0	0.0	0.0	0.0	0.0	31	35	12	26	14	27
12	6.9	0.0	0.0	0.0	0.0	0.0	32	36	15	26	6.5	18
13	7.1	0.0	0.0	0.0	0.0	0.0	33	34	15	26	3.0	18
14	7.3	0.0	0.0	0.0	0.0	0.0	33	34	11	25	2.6	22
15	7.3	0.0	0.0	0.0	0.0	0.0	33	32	8.3	24	6.3	18
16	7.3	0.0	0.0	0.0	0.0	0.0	33	32	8.5	23	18	15
17	7.1	0.0	0.0	0.0	0.0	0.0	33	37	16	22	18	16
18	7.1	0.0	0.0	0.0	0.0	0.0	33	29	25	21	15	12
19	7.1	0.0	0.0	0.0	0.0	0.0	33	22	24	20	11	8.3
20	7.3	0.0	0.0	0.0	0.0	0.0	33	22	27	20	11	9.4
21	7.3	0.0	0.0	0.0	0.0	0.0	33	21	27	19	9.9	6.2
22	15	0.0	0.0	0.0	0.0	0.0	33	15	26	18	2.3	4.8
23	19	0.0	0.0	0.0	0.0	0.0	35	13	24	19	8.6	7.4
24	16	0.0	0.0	0.0	0.0	0.0	26	23	26	19	16	10
25	16	0.0	0.0	0.0	0.0	0.0	20	25	25	19	16	9.6
26	17	0.0	0.0	0.0	0.0	0.0	23	25	25	19	16	11
27	14	0.0	0.0	0.0	0.0	0.0	32	24	26	19	16	16
28	1.8	0.0	0.0	0.0	0.0	0.0	30	24	28	18	14	16
29	0.0	0.0	0.0	0.0	---	9.2	28	23	26	18	5.1	17
30	0.0	0.0	0.0	0.0	---	18	28	24	29	19	2.5	13
31	0.0	---	0.0	0.0	---	24	---	25	---	20	2.5	---
TOTAL	309.6	0.0	0.0	0.0	0.0	51.2	795	774	559.8	699	456.3	389.9
MEAN	9.99	0.0	0.0	0.0	0.0	1.65	26.5	25.0	18.7	22.5	14.7	13.0
AC-FT	614	0.0	0.0	0.0	0.0	102	1580	1540	1110	1390	905	773
MAX	26	0.0	0.0	0.0	0.0	24	35	37	29	28	29	27
MIN	0.0	0.0	0.0	0.0	0.0	0.0	11	10	8.3	18	2.3	1.9

CAL YR 1998 TOTAL 3818.7 MEAN 10.5 MAX 33 MIN 0.00 AC-FT 7570
WTR YR 1999 TOTAL 4034.8 MEAN 11.1 MAX 37 MIN 0.00 AC-FT 8000

MAX DISCH 37 CFS AT 1415 17-MAY-1999 GH 1.58 FT. SHIFT 0.05 FT. MAX GH 1.58 FT. AT 1415 17-MAY-1999

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 fair except for May 27-June 22, 1999 which is poor due to submergence of the flume, and for the following periods of missing record which are estimated: Mar. 29-31; July 5-21, 31; Aug 1-4, 1999. Record developed by Brent Schantz.

RATING TABLE.--PIOSTLCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

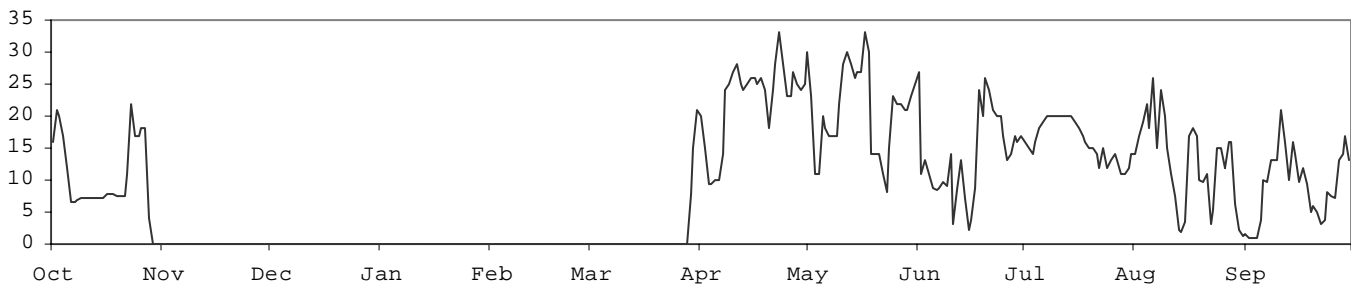
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	0.0	0.0	0.0	0.0	0.0	20	30	27	16	14	1.5
2	21	0.0	0.0	0.0	0.0	0.0	15	23	11	15	17	0.84
3	20	0.0	0.0	0.0	0.0	0.0	9.5	11	13	14	19	0.89
4	17	0.0	0.0	0.0	0.0	0.0	9.5	11	11	16	22	0.80
5	12	0.0	0.0	0.0	0.0	0.0	10	20	8.9	18	18	3.7
6	6.6	0.0	0.0	0.0	0.0	0.0	10	18	8.5	19	26	10
7	6.6	0.0	0.0	0.0	0.0	0.0	14	17	8.7	20	15	9.6
8	7.0	0.0	0.0	0.0	0.0	0.0	24	17	9.7	20	24	13
9	7.2	0.0	0.0	0.0	0.0	0.0	25	17	9.0	20	20	13
10	7.2	0.0	0.0	0.0	0.0	0.0	27	22	14	20	15	13
11	7.3	0.0	0.0	0.0	0.0	0.0	28	28	3.0	20	11	21
12	7.3	0.0	0.0	0.0	0.0	0.0	25	30	8.3	20	7.6	16
13	7.3	0.0	0.0	0.0	0.0	0.0	24	28	13	20	2.3	10
14	7.3	0.0	0.0	0.0	0.0	0.0	25	26	7.2	20	1.9	16
15	7.2	0.0	0.0	0.0	0.0	0.0	26	27	2.3	19	3.3	14
16	7.7	0.0	0.0	0.0	0.0	0.0	26	27	3.9	18	17	9.8
17	7.7	0.0	0.0	0.0	0.0	0.0	25	33	8.8	17	18	12
18	7.7	0.0	0.0	0.0	0.0	0.0	26	30	24	16	17	9.3
19	7.5	0.0	0.0	0.0	0.0	0.0	24	14	20	15	10	5.0
20	7.5	0.0	0.0	0.0	0.0	0.0	18	14	26	15	9.7	6.0
21	7.5	0.0	0.0	0.0	0.0	0.0	24	14	24	14	11	5.1
22	11	0.0	0.0	0.0	0.0	0.0	28	11	21	12	3.1	3.1
23	22	0.0	0.0	0.0	0.0	0.0	33	8.2	20	15	5.3	3.9
24	17	0.0	0.0	0.0	0.0	0.0	28	15	20	12	15	8.1
25	17	0.0	0.0	0.0	0.0	0.0	23	23	17	13	15	7.5
26	18	0.0	0.0	0.0	0.0	0.0	23	22	13	14	12	7.3
27	18	0.0	0.0	0.0	0.0	0.0	27	22	14	13	16	13
28	4.0	0.0	0.0	0.0	0.0	0.0	25	21	17	11	16	14
29	0.0	0.0	0.0	0.0	---	7.9	24	21	16	11	6.1	17
30	0.0	0.0	0.0	0.0	---	15	25	23	17	12	2.2	13
31	0.0	---	0.0	0.0	---	21	---	25	---	14	1.1	---
TOTAL	309.6	0.0	0.0	0.0	0.0	43.9	671.0	648.2	416.3	499	390.6	277.43
MEAN	9.99	0.0	0.0	0.0	0.0	1.42	22.4	20.9	13.9	16.1	12.6	9.25
AC-FT	614	0.0	0.0	0.0	0.0	87	1330	1290	826	990	775	550
MAX	22	0.0	0.0	0.0	0.0	21	33	33	27	20	26	21
MIN	0.0	0.0	0.0	0.0	0.0	0.0	9.5	8.2	2.3	11	1.1	0.80

CAL YR 1998 TOTAL 2962.2 MEAN 8.12 MAX 32 MIN 0.00 AC-FT 5880
WTR YR 1999 TOTAL 3256.03 MEAN 8.92 MAX 33 MIN 0.00 AC-FT 6460

MAX DISCH 34 CFS AT 1450 17-MAY-1999 GH 1.83 FT. SHIFT -0.22 FT. MAX GH 1.83 FT. AT 1450 17-MAY-1999

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 L.R. Schultz.

RATING TABLE.--LFCBSLCO04 USED FROM 01-OCT-1998 TO 30-SEP-1999

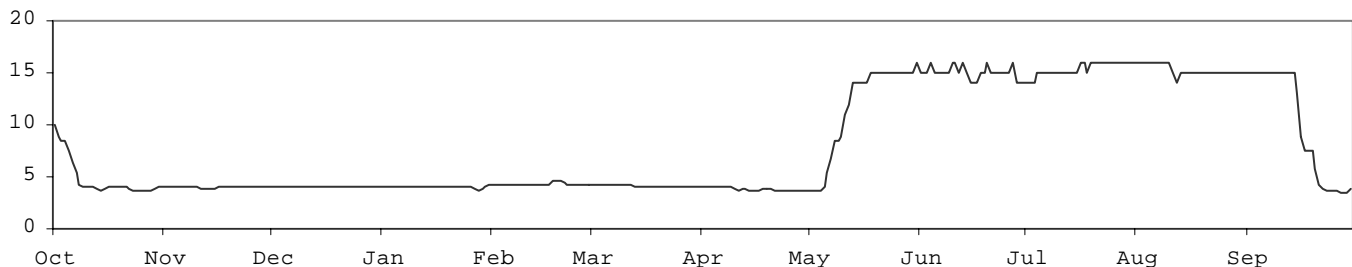
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	4.0	4.0	4.0	4.3	4.3	4.0	3.7	15	14	16	15
2	8.8	4.0	4.0	4.0	4.3	4.3	4.0	3.7	15	14	16	15
3	8.5	4.0	4.0	4.0	4.3	4.3	4.0	3.7	15	14	16	15
4	8.5	4.0	4.0	4.0	4.3	4.3	4.0	3.7	16	15	16	15
5	7.5	4.0	4.0	4.0	4.3	4.3	4.0	4.1	15	15	16	15
6	6.4	4.0	4.0	4.0	4.3	4.3	4.0	5.4	15	15	16	15
7	5.4	4.0	4.0	4.0	4.3	4.3	4.0	6.8	15	15	16	15
8	4.3	4.0	4.0	4.0	4.3	4.3	4.0	8.5	15	15	16	15
9	4.0	4.0	4.0	4.0	4.3	4.3	4.0	8.5	15	15	16	15
10	4.0	4.0	4.0	4.0	4.3	4.3	3.8	8.9	16	15	16	15
11	4.0	3.9	4.0	4.0	4.3	4.3	3.7	11	16	15	15	15
12	4.0	3.9	4.0	4.0	4.3	4.2	3.8	12	15	15	14	15
13	3.8	3.9	4.0	4.0	4.3	4.1	3.8	14	16	15	15	15
14	3.7	3.9	4.0	4.0	4.3	4.1	3.7	14	15	15	15	15
15	3.9	3.8	4.0	4.0	4.3	4.0	3.7	14	14	15	15	13
16	4.0	4.1	4.0	4.0	4.3	4.0	3.7	14	14	16	15	8.8
17	4.0	4.1	4.0	4.0	4.3	4.1	3.7	14	14	16	15	7.5
18	4.0	4.0	4.0	4.0	4.6	4.0	3.8	15	15	15	15	7.5
19	4.0	4.0	4.0	4.0	4.7	4.0	3.8	15	15	16	15	7.5
20	4.0	4.0	4.0	4.0	4.6	4.1	3.8	15	16	16	15	5.8
21	4.0	4.0	4.0	4.0	4.4	4.1	3.7	15	15	16	15	4.2
22	3.9	4.0	4.0	4.0	4.3	4.0	3.7	15	15	16	15	3.8
23	3.7	4.0	4.0	4.0	4.3	4.0	3.7	15	15	16	15	3.7
24	3.7	4.0	4.0	4.0	4.3	4.0	3.7	15	15	16	15	3.7
25	3.7	4.0	4.0	4.0	4.3	4.1	3.7	15	15	16	15	3.7
26	3.7	4.0	4.0	4.0	4.3	4.1	3.7	15	15	16	15	3.7
27	3.7	4.0	4.0	3.9	4.3	4.0	3.7	15	16	16	15	3.5
28	3.7	4.0	4.0	3.7	4.3	4.0	3.7	15	14	16	15	3.4
29	3.9	4.0	4.0	3.8	---	4.0	3.7	15	14	16	15	3.4
30	4.0	4.0	4.0	4.1	---	4.0	3.7	15	14	16	15	3.8
31	4.0	---	4.0	4.3	---	4.0	---	16	---	16	15	---
TOTAL	148.8	119.6	124.0	123.8	121.5	128.2	114.3	361.0	450	477	474	297.0
MEAN	4.80	3.99	4.00	3.99	4.34	4.14	3.81	11.6	15.0	15.4	15.3	9.90
AC-FT	295	237	246	246	241	254	227	716	893	946	940	589
MAX	10	4.1	4.0	4.3	4.7	4.3	4.0	16	16	16	16	15
MIN	3.7	3.8	4.0	3.7	4.3	4.0	3.7	3.7	14	14	14	3.4

CAL YR 1998 TOTAL 11406.5 MEAN 31.3 MAX 462 MIN 3.4 AC-FT 22620
WTR YR 1999 TOTAL 2939.2 MEAN 8.05 MAX 16 MIN 3.4 AC-FT 5830

MAX DISCH 22 CFS AT 0900 15-SEP-1999 GH 0.62 FT. SHIFT -0.01 FT. MAX GH 0.62 FT. AT 0900 15-SEP-1999

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.

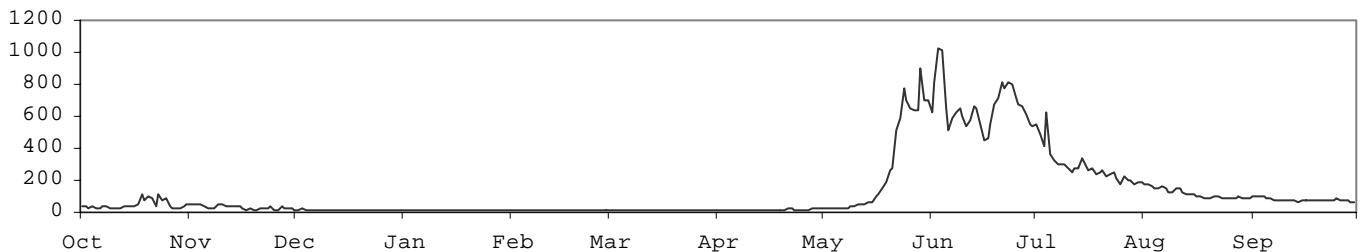
REMARKS.--Record is complete and reliable except for the following periods: Nov. 9, 1998-Mar. 26, 1999 when the station was closed for the winter. Apr. 16-17; May 8, 1999 when the well was temporarily frozen. Mar. 28-31; Apr. 6-7, 9-12, 18-19; May 2, 5-7, 1999 when the stage-discharge relationship was ice affected. 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.--LAKATLCO20 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	55	16	14	10	11	12	25	625	544	176	94
2	34	48	17	14	10	11	12	24	809	486	178	99
3	29	45	28	13	10	10	13	24	1030	413	162	103
4	34	56	17	12	10	10	13	23	1010	622	149	94
5	28	43	16	11	11	10	13	21	656	362	150	88
6	30	30	15	11	11	10	11	21	515	322	165	84
7	33	25	14	11	11	10	11	20	585	303	144	79
8	36	28	13	12	10	11	12	26	625	299	130	76
9	31	46	13	12	10	11	10	32	648	294	126	73
10	26	53	13	11	11	10	12	37	598	272	146	71
11	23	40	12	11	11	10	12	44	539	248	145	76
12	24	42	13	11	11	11	12	54	580	273	128	77
13	34	32	13	11	10	11	14	49	668	281	114	69
14	42	36	12	11	9.5	10	14	57	654	336	107	64
15	39	37	12	10	10	10	13	62	553	288	109	73
16	34	22	12	10	10	11	12	95	448	263	102	75
17	48	17	13	10	10	11	12	108	459	275	100	72
18	113	29	13	10	10	11	13	152	544	242	92	71
19	72	17	14	11	11	11	13	193	672	254	90	72
20	105	11	13	11	11	11	17	264	716	260	89	80
21	92	19	12	11	11	12	19	275	810	231	94	75
22	34	29	12	11	10	12	19	509	780	239	95	73
23	110	22	11	10	10	12	16	590	809	244	88	70
24	70	34	10	10	10	12	17	770	795	215	86	81
25	83	18	11	10	11	12	17	698	717	169	88	83
26	34	16	11	11	11	13	17	656	680	228	84	77
27	28	33	12	11	12	13	17	642	657	194	90	73
28	30	29	12	10	11	12	19	636	615	197	100	70
29	28	26	13	9.5	---	12	19	894	554	181	91	68
30	39	20	13	9.0	---	12	22	706	542	185	86	68
31	56	---	14	9.5	---	12	---	701	---	184	86	---
TOTAL	1454	958	420	339.0	293.5	345	433	8408	19893	8904	3590	2328
MEAN	46.9	31.9	13.5	10.9	10.5	11.1	14.4	271	663	287	116	77.6
AC-FT	2880	1900	833	672	582	684	859	16680	39460	17660	7120	4620
MAX	113	56	28	14	12	13	22	894	1030	622	178	103
MIN	23	11	10	9.0	9.5	10	10	20	448	169	84	64
CAL YR 1998 TOTAL	51803.8		MEAN	142	MAX	885	MIN	7.4	AC-FT	102800		
WTR YR 1999 TOTAL	47365.5		MEAN	130	MAX	1030	MIN	9.0	AC-FT	93950		
MAX DISCH	1277 CFS AT 2345		02-JUN-1999	GH	2.93 FT.		SHIFT	-0.01 FT.		MAX GH	2.93 FT. AT 2345 02-JUN-1999	

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



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO

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

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

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

RATING TABLE.--LAKBTLCO07 USED FROM 01-OCT-1998 TO 30-SEP-1999

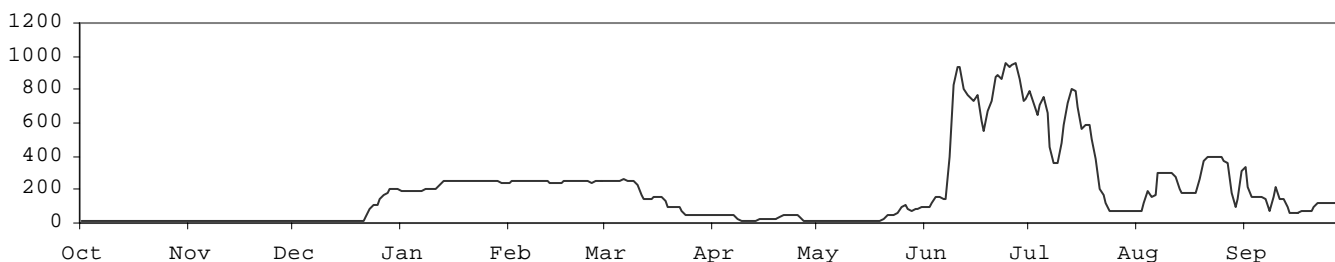
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	12	14	198	246	248	47	13	94	790	75	331
2	11	12	13	198	250	250	47	13	95	719	74	217
3	12	12	13	197	254	254	47	13	121	645	119	155
4	11	12	13	198	252	254	47	13	157	710	194	155
5	11	12	13	196	250	257	48	13	158	760	160	155
6	12	12	13	198	250	260	47	13	143	656	169	155
7	12	12	12	197	249	258	47	13	139	461	306	140
8	12	12	12	203	249	257	28	13	391	358	305	69
9	12	12	12	204	250	248	8.9	13	825	359	306	158
10	12	12	12	202	247	225	9.0	13	931	483	304	214
11	12	12	12	201	248	171	9.3	13	931	592	303	148
12	12	12	12	223	247	142	9.3	13	810	717	272	149
13	12	12	12	249	245	142	17	13	774	804	202	98
14	12	12	12	250	244	142	27	14	740	795	185	62
15	12	12	12	249	243	154	27	14	732	699	185	62
16	12	12	12	249	243	156	27	14	769	570	184	62
17	12	12	12	250	250	153	27	13	607	592	184	69
18	12	13	12	249	253	130	27	13	555	591	176	75
19	12	13	12	247	254	96	27	13	674	507	264	76
20	12	13	12	247	254	93	33	28	738	387	368	76
21	12	13	12	250	252	94	46	47	877	207	400	100
22	12	13	31	249	254	94	49	45	887	171	397	119
23	12	13	84	250	253	67	49	46	870	122	395	119
24	12	13	108	250	254	45	49	63	956	72	397	120
25	12	13	106	249	246	45	49	99	932	72	396	120
26	12	13	141	249	250	46	34	107	948	72	375	119
27	12	13	171	250	248	46	12	88	959	74	359	119
28	12	13	181	251	247	46	12	76	870	74	181	121
29	12	14	199	249	---	46	13	79	727	74	98	121
30	12	14	200	246	---	46	13	88	740	74	144	121
31	12	---	199	246	---	47	---	94	---	74	308	---
TOTAL	369	375	1679	7144	6982	4512	932.5	1110	19150	13281	7785	3805
MEAN	11.9	12.5	54.2	230	249	146	31.1	35.8	638	428	251	127
AC-FT	732	744	3330	14170	13850	8950	1850	2200	37980	26340	15440	7550
MAX	12	14	200	251	254	260	49	107	959	804	400	331
MIN	11	12	12	196	243	45	8.9	13	94	72	74	62

CAL YR 1998 TOTAL 69790 MEAN 191 MAX 1450 MIN 11 AC-FT 138400
WTR YR 1999 TOTAL 67124.5 MEAN 184 MAX 959 MIN 8.9 AC-FT 133100

MAX DISCH 1011 CFS AT 2000 21-JUN-1999 GH 3.93 FT. SHIFT 0.00 FT. MAX GH 3.93 FT. AT 2000 21-JUN-1999

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



ARKANSAS RIVER BASIN

07086000 ARKANSAS RIVER AT GRANITE, CO

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

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

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

REMARKS.--Record complete and reliable except for the following periods: Dec. 7-8, 10-18, 26, 1998 when stage-discharge relationship ice affected; Dec. 19, 21-25, 1998; Jan. 4, 13-14, 22, 27-28, 30-31; Feb. 2, 4, 11-14, 16, 20-21, 23; Mar. 9; Apr. 17, 1999 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.

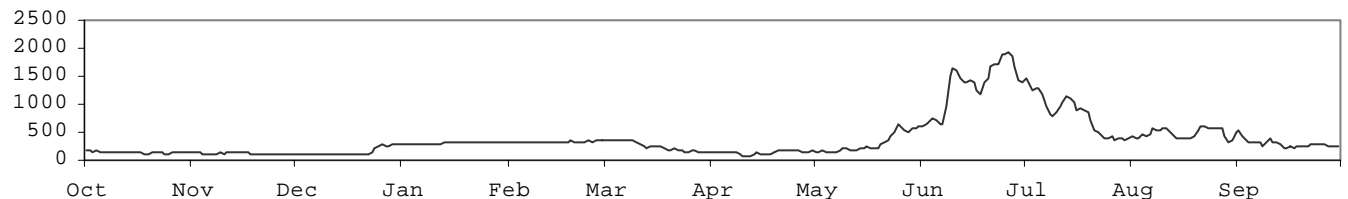
RATING TABLE.--RATING TABLE ARKGRNC011 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	133	105	294	329	346	159	155	598	1470	411	543
2	164	134	106	279	325	348	151	145	626	1400	385	429
3	150	136	102	281	331	350	139	162	679	1250	390	349
4	161	125	99	270	328	352	140	153	733	1280	455	339
5	151	116	90	284	338	350	134	136	712	1290	433	333
6	144	122	100	281	336	353	129	127	644	1180	452	327
7	145	117	98	286	336	350	144	133	636	959	570	307
8	143	114	96	291	338	349	132	165	950	818	551	241
9	142	126	99	285	338	340	91	203	1490	802	536	306
10	140	120	96	291	337	323	86	214	1630	865	556	377
11	136	133	96	288	320	269	78	181	1600	957	557	314
12	134	132	95	303	315	236	85	165	1450	1040	516	322
13	133	126	94	312	320	232	111	177	1380	1130	435	271
14	134	132	93	318	325	234	131	218	1380	1110	397	224
15	131	131	94	322	332	247	124	225	1420	1040	394	231
16	129	130	97	321	325	252	109	239	1410	888	389	237
17	127	126	100	329	337	251	105	229	1260	940	385	232
18	123	124	102	328	334	231	117	230	1190	908	382	235
19	125	115	103	330	345	193	135	232	1380	844	437	233
20	128	104	105	330	330	193	174	276	1480	726	549	254
21	128	116	96	330	320	200	194	339	1690	535	590	265
22	128	120	114	326	338	196	191	373	1710	510	600	273
23	128	113	150	331	330	167	169	427	1700	477	583	268
24	123	113	200	335	344	142	163	514	1910	401	578	279
25	124	109	250	330	339	157	188	643	1910	400	582	285
26	137	111	284	328	343	173	167	579	1920	411	566	272
27	138	110	255	320	342	170	128	542	1850	375	567	265
28	148	108	253	315	343	151	138	501	1670	383	427	261
29	139	113	287	321	---	146	155	555	1440	385	322	257
30	139	108	287	310	---	159	183	570	1410	364	341	256
31	138	---	289	318	---	159	---	608	---	406	501	---
TOTAL	4276	3617	4435	9587	9318	7619	4150	9416	39858	25544	14837	8785
MEAN	138	121	143	309	333	246	138	304	1329	824	479	293
AC-FT	8480	7170	8800	19020	18480	15110	8230	18680	79060	50670	29430	17430
MAX	166	136	289	335	345	353	194	643	1920	1470	600	543
MIN	123	104	90	270	315	142	78	127	598	364	322	224
CAL YR 1998 TOTAL		144901	MEAN	397	MAX	2390	MIN	87	AC-FT	287400		
WTR YR 1999 TOTAL		141442	MEAN	388	MAX	1920	MIN	78	AC-FT	280600		

MAX DISCH 2018 CFS AT 1330 26-JUN-1999 GH 5.12 FT. SHIFT 0.12 FT. MAX GH 5.12 FT. AT 1330 26-JUN-1999

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: Dec. 6, 1998-Mar. 17, 1999 when the station was closed for the winter. Nov. 5, 10-11, 13, 18-21, 27-28; Dec. 1-5, 1998; Mar. 28-29; Apr. 4-6, 10-11, 16-17; May 6, 1999 when the stage-discharge relationship was ice affected. Record good, except during periods of no gage-height record and ice effect, which are poor. Station maintained and record developed by L.R. Schultz.

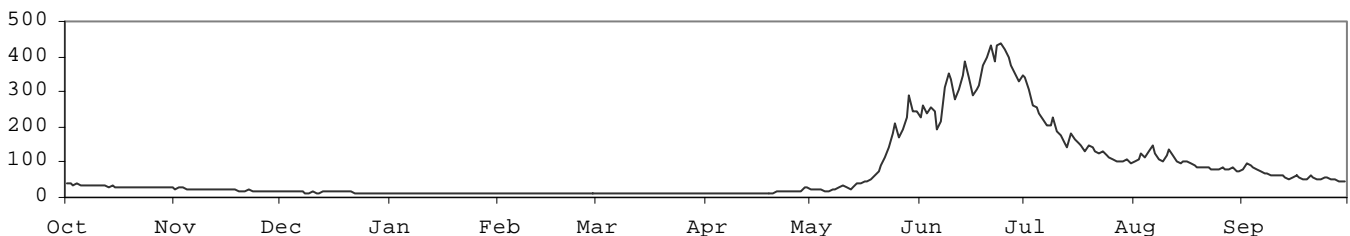
RATING TABLE.--CCACCRC014 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	25	17	13	10	11	11	23	227	339	101	77
2	40	26	18	12	9.5	12	11	21	264	305	110	94
3	36	26	17	11	9.5	12	10	21	236	263	125	92
4	40	23	17	11	10	11	9.5	20	256	253	113	85
5	36	22	16	11	10	11	9.7	18	243	237	128	79
6	34	24	15	11	11	10	10	17	192	224	150	75
7	35	23	15	12	11	10	11	20	214	205	127	71
8	35	23	14	12	10	10	12	23	314	203	109	68
9	35	25	14	13	10	10	11	28	351	225	105	64
10	34	24	15	12	11	9.5	10	32	333	187	117	62
11	33	23	14	12	12	9.5	10	27	277	174	136	63
12	32	25	14	12	11	10	11	25	304	153	118	61
13	31	23	15	13	10	10	13	28	344	144	104	57
14	32	24	16	12	9.0	9.0	12	37	384	182	97	53
15	31	22	16	12	9.0	9.0	12	42	342	166	104	59
16	30	22	16	11	10	9.5	11	45	287	151	100	60
17	30	21	16	11	10	9.5	11	45	308	145	96	55
18	28	20	16	11	10	9.2	12	50	317	133	90	53
19	28	19	16	12	10	9.2	13	61	377	147	85	53
20	29	18	16	12	11	9.6	14	74	395	143	85	60
21	28	19	15	12	11	11	15	93	430	133	83	57
22	28	21	14	12	10	12	17	114	386	126	83	53
23	28	19	13	11	10	11	16	140	434	131	77	50
24	27	18	12	11	9.5	12	17	183	440	120	81	56
25	27	18	12	11	10	12	18	211	418	113	79	56
26	29	18	12	12	10	14	18	170	399	107	84	52
27	29	18	13	12	11	14	18	196	373	101	79	50
28	28	17	13	11	11	13	19	227	352	105	82	48
29	27	18	13	10	---	12	30	287	332	101	83	47
30	27	17	14	9.5	---	13	31	245	348	109	76	46
31	26	---	14	10	---	12	---	245	---	99	75	---
TOTAL	972	641	458	357.5	286.5	337.0	423.2	2768	9877	5224	3082	1856
MEAN	31.4	21.4	14.8	11.5	10.2	10.9	14.1	89.3	329	169	99.4	61.9
AC-FT	1930	1270	908	709	568	668	839	5490	19590	10360	6110	3680
MAX	40	26	18	13	12	14	31	287	440	339	150	94
MIN	26	17	12	9.5	9.0	9.0	9.5	17	192	99	75	46
CAL YR 1998 TOTAL	20392		MEAN	55.9	MAX	300	MIN	10	AC-FT	40450		
WTR YR 1999 TOTAL	26282.2		MEAN	72.0	MAX	440	MIN	9.0	AC-FT	52130		

MAX DISCH 569 CFS AT 0200 21-JUN-1999 GH 4.63 FT. SHIFT 0.00 FT. MAX GH 4.63 FT. AT 0200 21-JUN-1999

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: Dec. 6, 1998-Mar. 10, 1999 when the well was frozen; Aug. 26-27, 1999 when the gage shelter was being replaced. Record good, except for winter period of no gage-height record, which is poor. Station maintained and record developed by L. R. Schultz.

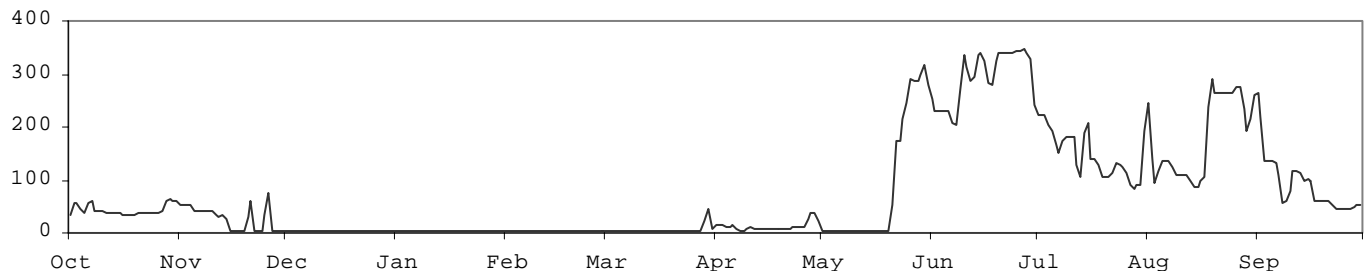
RATING TABLE.--CCBCCR004 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	53	1.9	2.0	2.0	2.0	16	3.2	253	221	247	266
2	55	54	1.9	2.0	2.0	2.0	15	3.2	229	221	140	220
3	56	54	1.9	2.0	2.0	2.0	15	3.2	229	221	95	136
4	45	51	1.9	2.0	2.0	2.0	13	3.2	229	202	117	136
5	36	41	1.9	2.0	2.0	2.0	13	3.2	229	193	134	134
6	55	40	1.9	2.0	2.0	2.0	14	3.2	229	166	134	133
7	62	40	1.9	2.0	2.0	2.0	6.8	3.2	207	152	134	110
8	43	40	1.9	2.0	2.0	2.0	2.0	3.1	205	173	125	57
9	43	40	1.9	2.0	2.0	2.0	2.0	3.1	270	183	109	62
10	43	40	1.9	2.0	2.0	2.0	7.1	3.0	334	183	109	79
11	39	34	1.9	2.0	2.0	2.0	13	3.1	314	183	108	116
12	36	31	1.9	2.0	2.0	2.0	6.9	3.0	287	128	109	116
13	36	34	1.9	2.0	2.0	2.0	6.5	2.8	294	105	98	114
14	36	26	1.9	2.0	2.0	2.0	6.5	2.8	334	190	86	99
15	36	1.9	1.9	2.0	2.0	2.0	6.5	2.8	341	209	86	102
16	35	1.9	1.9	2.0	2.0	2.0	7.1	3.1	326	139	100	98
17	35	1.9	1.9	2.0	2.0	2.0	7.1	3.1	283	139	107	60
18	35	2.1	1.9	2.0	2.0	2.1	7.0	3.1	281	127	238	60
19	35	2.1	1.9	2.0	2.0	2.1	7.1	2.9	323	106	292	60
20	36	30	1.9	2.0	2.0	2.1	7.1	3.1	341	106	265	60
21	36	59	2.0	2.0	2.0	2.1	7.0	52	341	106	266	60
22	36	2.0	2.0	2.0	2.0	2.0	9.4	173	338	113	266	51
23	36	2.0	2.0	2.0	2.0	2.0	11	173	338	132	264	45
24	36	2.0	2.0	2.0	2.0	2.0	11	215	341	130	266	45
25	36	35	2.0	2.0	2.0	2.0	11	247	343	126	266	45
26	36	74	2.0	2.0	2.0	2.0	11	289	343	112	276	45
27	40	1.9	2.0	2.0	2.0	2.0	28	287	346	89	274	45
28	60	2.0	2.0	2.0	2.0	2.0	37	285	341	83	234	49
29	65	1.9	2.0	2.0	---	21	38	300	329	90	193	54
30	62	2.0	2.0	2.0	---	46	23	317	242	90	216	54
31	59	---	2.0	2.0	---	6.0	---	281	---	192	262	---
TOTAL	1333	799.7	60.0	62.0	56.0	129.4	365.1	2680.4	8840	4610	5616	2711
MEAN	43.0	26.7	1.94	2.00	2.00	4.17	12.2	86.5	295	149	181	90.4
AC-FT	2640	1590	119	123	111	257	724	5320	17530	9140	11140	5380
MAX	65	74	2.0	2.0	2.0	46	38	317	346	221	292	266
MIN	34	1.9	1.9	2.0	2.0	2.0	2.0	2.8	205	83	86	45
CAL YR 1998 TOTAL	14128.39		MEAN	38.7	MAX	319	MIN	0.14	AC-FT	28020		
WTR YR 1999 TOTAL	27262.6		MEAN	74.7	MAX	346	MIN	1.9	AC-FT	54080		

MAX DISCH 346 CFS AT 0100 27-JUN-1999 GH 3.05 FT. SHIFT -0.01 FT. MAX GH 3.05 FT. AT 0100 27-JUN-1999

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



ARKANSAS RIVER BASIN

07089250 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. 9-11, 20; Dec. 6-8, 10-11, 13-15, 21-29, 1998; Jan. 2-5, 9, 14, 16, 22-24, 27-31; Feb. 1-4, 11-14, 16-18, 20-21, 23, 27; Mar. 13, 1999 when ice affected the stage-discharge relationship. Record good, except that for periods of ice effect, which is poor. Station maintained and record developed by L.R.Schultz.

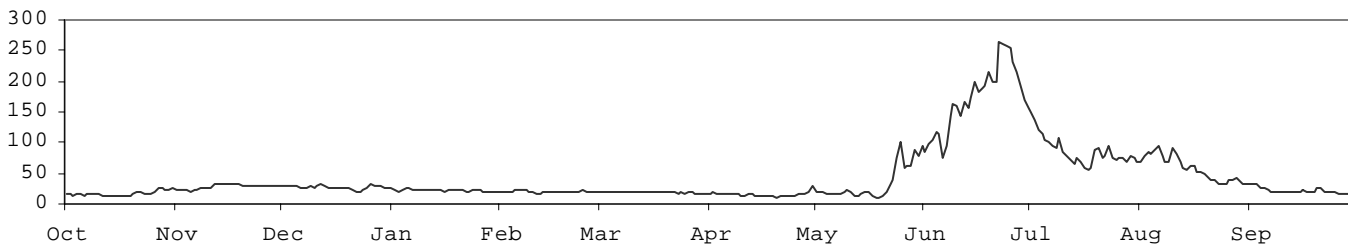
RATING TABLE.--COCRBVCO4 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	24	28	25	19	21	16	21	85	150	68	34
2	16	23	28	23	20	20	18	20	99	136	77	33
3	12	23	28	21	21	20	17	20	103	120	86	31
4	16	22	28	23	21	20	16	17	118	113	82	27
5	15	21	28	27	22	20	17	16	113	104	89	25
6	14	23	27	25	22	20	17	16	76	102	94	23
7	15	24	26	24	22	20	17	16	93	96	79	20
8	16	26	27	24	22	20	17	17	145	92	70	19
9	15	26	28	22	21	20	16	19	163	108	68	20
10	15	25	25	23	21	19	14	22	160	85	91	19
11	14	27	29	24	16	19	14	18	142	78	83	19
12	14	33	31	24	17	21	15	14	166	71	70	20
13	13	32	28	23	21	19	15	13	156	64	60	20
14	12	32	27	22	21	20	14	17	172	74	56	18
15	12	31	26	23	20	20	14	18	200	67	63	21
16	12	31	27	21	19	20	13	20	181	58	61	22
17	14	32	27	23	20	20	14	12	190	54	53	20
18	14	31	27	23	20	20	14	9.3	191	60	51	19
19	14	31	26	23	20	20	13	10	214	89	48	20
20	16	28	26	23	19	20	11	13	198	90	43	26
21	20	29	24	23	18	20	12	20	198	74	40	25
22	18	30	21	21	20	19	13	31	264	77	40	21
23	16	29	20	21	19	17	14	40	262	96	34	19
24	15	29	23	22	22	18	13	76	259	76	31	19
25	15	28	27	23	21	17	14	102	255	72	33	20
26	20	29	31	23	21	18	15	59	232	75	40	17
27	25	29	30	21	20	18	15	63	216	75	38	17
28	25	28	29	20	21	17	15	61	194	70	41	16
29	22	28	28	20	---	16	18	89	169	77	35	17
30	23	28	26	19	---	15	28	78	157	76	32	17
31	25	---	25	18	---	15	---	95	---	69	32	---
TOTAL	508	832	831	697	566	589	459	1042.3	5171	2648	1788	644
MEAN	16.4	27.7	26.8	22.5	20.2	19.0	15.3	33.6	172	85.4	57.7	21.5
AC-FT	1010	1650	1650	1380	1120	1170	910	2070	10260	5250	3550	1280
MAX	25	33	31	27	22	21	28	102	264	150	94	34
MIN	12	21	20	18	16	15	11	9.3	76	54	31	16
CAL YR 1998 TOTAL		7437.69	MEAN	20.4	MAX	82	MIN	0.94	AC-FT	14750		
WTR YR 1999 TOTAL		15775.3	MEAN	43.2	MAX	264	MIN	9.3	AC-FT	31290		

MAX DISCH 308 CFS AT 0030 23-JUN-1999 GH 3.87 FT. SHIFT 0.00 FT. MAX GH 3.87 FT. AT 0030 23-JUN-1999

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. 8, 11, 22-25, 1998; Jan. 3, 11-12, 29; Feb. 12, 1999, when ice affected the stage-discharge relationship; Feb. 22-Mar. 2, 1999 when the DCP malfunctioned and the chart recorder had run out of paper. Record good, except that for periods of ice effect and no gage height, which is poor. Station maintained and record developed by L.R. Schultz.

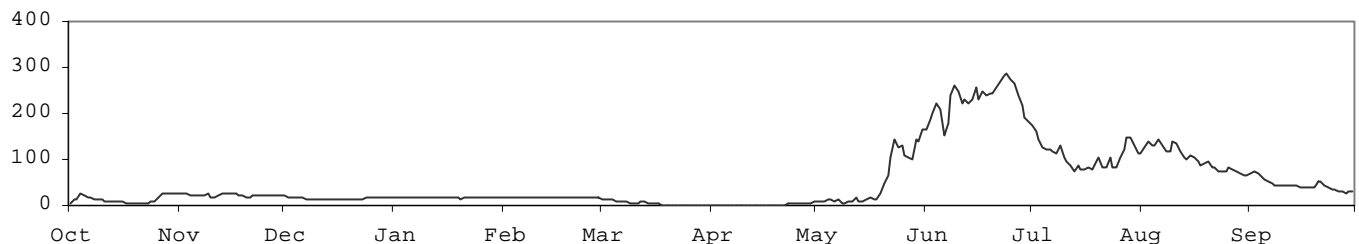
RATING TABLE.--CHCRNACO6 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	25	20	17	16	15	1.0	8.0	165	173	111	68
2	14	26	19	16	16	14	1.0	7.7	189	161	126	75
3	12	27	19	16	16	14	1.0	10	202	144	138	70
4	24	23	19	16	16	11	0.96	14	221	127	130	64
5	21	20	19	16	16	8.7	1.0	11	208	122	131	58
6	17	23	17	17	16	8.7	1.1	9.1	153	122	143	54
7	16	22	15	17	16	8.7	1.3	13	180	117	130	48
8	12	22	15	16	16	7.3	1.1	4.4	237	115	117	45
9	12	25	15	16	16	4.4	1.0	5.3	259	129	116	44
10	11	19	14	16	17	5.3	0.98	8.1	246	104	140	44
11	8.7	17	14	16	16	6.5	1.0	10	222	95	134	44
12	8.0	20	14	16	16	6.9	1.0	16	232	86	117	45
13	7.3	24	13	16	16	6.8	1.0	8.5	221	74	105	44
14	6.8	26	13	16	16	5.8	1.0	6.7	230	86	99	42
15	8.3	25	13	16	16	6.0	1.0	12	257	78	107	41
16	6.8	24	13	16	16	5.7	1.0	19	232	80	105	40
17	6.0	24	14	16	16	3.1	0.98	13	250	81	95	40
18	5.8	23	14	16	16	1.9	1.0	15	237	78	88	37
19	5.5	23	14	16	16	1.9	1.0	24	243	97	92	38
20	5.3	18	14	15	16	1.9	1.0	50	242	103	97	54
21	5.5	18	15	16	16	1.9	1.0	64	257	84	84	52
22	5.0	21	14	16	16	1.7	1.8	104	271	81	81	42
23	5.8	22	15	16	16	2.0	2.5	142	284	105	76	39
24	8.3	21	16	17	16	1.6	3.5	128	287	84	72	35
25	8.4	21	17	17	16	1.2	4.4	131	275	82	76	33
26	17	21	17	16	16	1.2	6.0	109	267	106	84	30
27	24	21	17	16	16	1.2	4.5	106	240	121	79	29
28	26	20	17	16	16	1.2	2.7	100	218	150	74	27
29	24	20	17	16	---	1.0	2.8	142	193	149	71	31
30	26	20	17	16	---	1.0	8.5	140	181	131	66	30
31	26	---	17	16	---	1.0	---	167	---	115	65	---
TOTAL	390.0	661	487	500	449	158.6	58.12	1597.8	6899	3380	3149	1343
MEAN	12.6	22.0	15.7	16.1	16.0	5.12	1.94	51.5	230	109	102	44.8
AC-FT	774	1310	966	992	891	315	115	3170	13680	6700	6250	2660
MAX	26	27	20	17	17	15	8.5	167	287	173	143	75
MIN	5.0	17	13	15	16	1.0	0.96	4.4	153	74	65	27
CAL YR 1998 TOTAL	10223.6		MEAN	28.0	MAX	212	MIN	1.3	AC-FT	20280		
WTR YR 1999 TOTAL	19072.53		MEAN	52.3	MAX	287	MIN	0.96	AC-FT	37830		

MAX DISCH 345 CFS AT 0230 24-JUN-1999 GH 4.71 FT. SHIFT -0.03 FT. MAX GH 4.71 FT. AT 0230 24-JUN-1999

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: Dec. 8-9,21-23, 1998; Apr. 10-15, 1999 when gage was isolated. Record good except during periods of no gage height record, which is poor. Station maintained and record developed by L.R. Schultz.

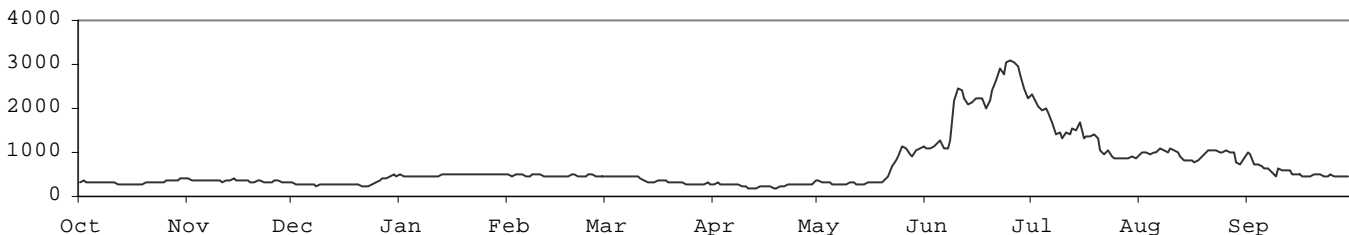
RATING TABLE.--ARKSALCO27 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	319	393	301	482	481	457	274	350	1070	2300	973	992
2	357	384	294	452	474	463	297	331	1100	2230	986	948
3	334	386	295	449	483	458	273	339	1130	2040	991	747
4	338	379	291	436	485	467	263	328	1250	1960	953	710
5	339	348	289	449	494	466	264	289	1280	1980	1020	671
6	319	352	278	452	473	472	261	261	1110	1910	981	657
7	339	359	267	464	470	470	268	255	1070	1670	1100	644
8	318	355	233	467	479	473	264	264	1260	1400	1050	554
9	311	373	269	454	481	455	242	290	2200	1450	994	456
10	308	357	266	458	480	452	205	319	2450	1340	1070	614
11	302	340	269	462	449	413	200	316	2410	1460	1060	605
12	292	368	290	466	441	366	198	285	2220	1430	979	604
13	286	383	277	501	464	340	199	263	2080	1530	888	591
14	287	387	278	504	468	340	224	285	2130	1520	802	507
15	285	368	275	501	472	339	230	316	2210	1690	799	497
16	278	354	281	501	458	358	221	332	2250	1300	802	511
17	289	343	284	501	463	361	208	325	2210	1370	789	476
18	292	341	283	504	475	360	194	318	1980	1360	807	456
19	294	335	274	521	482	323	195	326	2200	1420	917	455
20	298	319	264	520	478	307	219	362	2420	1310	1010	488
21	308	361	230	516	474	309	239	458	2650	1060	1030	498
22	307	376	215	510	476	312	272	698	2900	954	1050	500
23	307	327	240	494	463	306	286	808	2790	1060	1030	475
24	316	322	292	518	480	278	262	916	3030	909	1000	471
25	321	317	322	516	480	271	284	1140	3090	864	1010	489
26	348	380	347	509	456	287	292	1070	3030	880	1040	465
27	355	360	417	496	456	292	281	977	2940	868	1000	448
28	377	306	426	484	453	281	275	918	2760	841	1000	445
29	385	306	448	482	---	266	278	1040	2470	880	787	451
30	389	307	481	486	---	312	379	1090	2220	890	739	449
31	403	---	472	485	---	292	---	1120	---	860	862	---
TOTAL	10001	10586	9448	15040	13188	11346	7547	16389	63910	42736	29519	16874
MEAN	323	353	305	485	471	366	252	529	2130	1379	952	562
AC-FT	19840	21000	18740	29830	26160	22500	14970	32510	126800	84770	58550	33470
MAX	403	393	481	521	494	473	379	1140	3090	2300	1100	992
MIN	278	306	215	436	441	266	194	255	1070	841	739	445
CAL YR 1998 TOTAL		211717	MEAN	580	MAX	2840	MIN	205	AC-FT	419900		
WTR YR 1999 TOTAL		246584	MEAN	676	MAX	3090	MIN	194	AC-FT	489100		

MAX DISCH 3220 CFS AT 0800 25-JUN-1999 GH 3.79 FT. SHIFT -0.04 FT. MAX GH 3.79 FT. AT 0800 25-JUN-1999

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



ARKANSAS RIVER BASIN

07093700 ARKANSAS RIVER NEAR WELLSVILLE, CO

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

DRAINAGE AREA AND PERIOD OF RECORD.--1,485 mi². April 1961 to current year.

GAGE.--Water-stage recorder (manometer activated) with satellite telemetry with supplemental outside gage. DCP data is the primary source of record. Datum of gage is 6,883.4 ft above National Geodetic Vertical Datum of 1929 (river-profile survey).

REMARKS.--Record is complete and reliable except for the following periods: Dec. 19-24, 26, 1998; Jan. 3, 1999 when the manometer malfunctioned. Record good except for periods of manometer malfunction, which is poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--RATING TABLE ARKWELCO06 USED FROM 01-OCT-1998 TO 30-SEP-1999

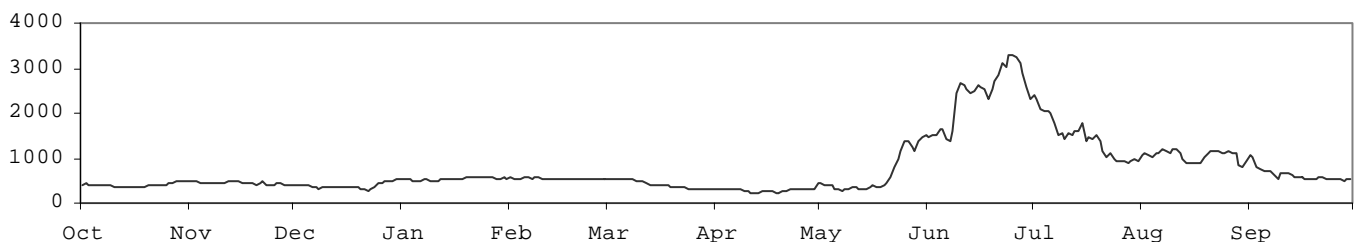
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	381	489	396	536	556	522	299	445	1450	2380	1070	1070
2	438	474	391	518	548	527	328	408	1490	2320	1100	1010
3	408	470	390	516	552	524	322	403	1530	2110	1070	801
4	422	461	387	497	555	525	303	383	1640	2050	1030	754
5	422	431	386	504	558	518	305	333	1650	2060	1130	725
6	397	426	366	510	558	522	303	300	1430	2000	1100	713
7	412	432	361	520	555	528	309	288	1370	1760	1220	695
8	395	433	324	517	560	526	308	296	1600	1490	1170	624
9	380	455	346	509	556	511	282	320	2460	1550	1090	520
10	374	447	334	510	554	500	246	350	2680	1430	1180	647
11	364	439	339	511	532	468	237	356	2610	1560	1180	653
12	356	471	351	513	520	429	231	320	2520	1530	1090	649
13	353	488	348	538	545	406	238	295	2440	1620	983	636
14	354	490	343	548	541	399	261	317	2490	1600	885	566
15	357	474	346	544	538	392	282	360	2610	1780	882	560
16	356	451	346	545	533	401	267	384	2590	1400	881	560
17	366	446	346	549	533	401	250	372	2550	1460	867	539
18	369	441	348	554	537	399	236	364	2330	1430	888	515
19	375	436	340	566	546	365	234	384	2530	1490	1010	512
20	383	409	330	568	545	344	256	439	2700	1360	1120	548
21	399	447	300	565	538	344	274	559	2860	1140	1140	559
22	393	471	275	561	548	347	294	803	3110	1010	1160	560
23	385	419	315	556	529	340	327	961	3020	1120	1140	536
24	395	409	375	574	543	318	307	1140	3270	971	1100	531
25	408	404	457	572	536	303	325	1390	3300	923	1100	551
26	444	463	465	563	525	316	332	1360	3230	938	1140	529
27	455	461	476	557	527	325	326	1240	3120	931	1100	520
28	482	408	494	548	525	315	313	1170	2910	910	1100	508
29	481	406	511	541	---	299	318	1390	2580	953	846	518
30	479	403	542	557	---	329	450	1450	2310	963	793	518
31	501	---	531	551	---	323	---	1510	---	938	913	---
TOTAL	12484	13354	11859	16718	15193	12766	8763	20090	72380	45177	32478	18627
MEAN	403	445	383	539	543	412	292	648	2413	1457	1048	621
AC-FT	24760	26490	23520	33160	30140	25320	17380	39850	143600	89610	64420	36950
MAX	501	490	542	574	560	528	450	1510	3300	2380	1220	1070
MIN	353	403	275	497	520	299	231	288	1370	910	793	508

CAL YR 1998 TOTAL 235965 MEAN 646 MAX 2820 MIN 235 AC-FT 468000
WTR YR 1999 TOTAL 279889 MEAN 767 MAX 3300 MIN 231 AC-FT 555200

MAX DISCH 3477 CFS AT 1045 25-JUN-1999 GH 6.80 FT. SHIFT 0.11 FT. MAX GH 6.80 FT. AT 1045 25-JUN-1999

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: Nov. 10-13, 1998; Jan. 13-18, 22-24, 1999 when the stage-discharge relationship ice affected; Dec. 8-31, 1998; Jan. 1-11, 1999 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.

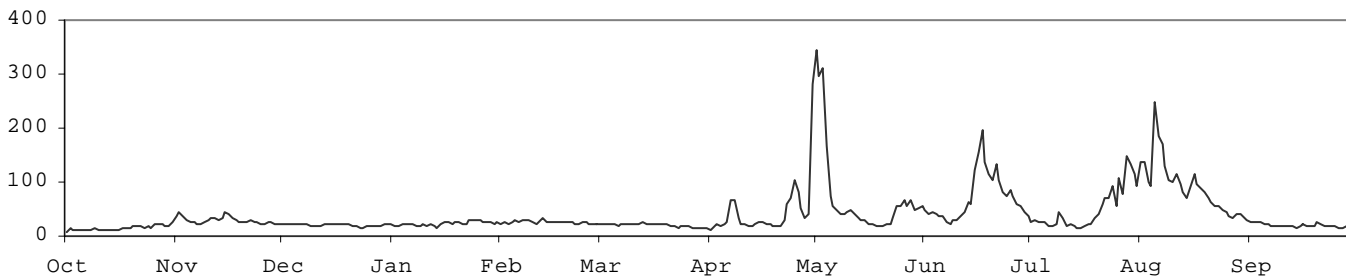
RATING TABLE.--GRAWESCO08 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	37	23	21	24	23	12	343	47	25	138	27
2	14	46	24	20	25	21	16	296	41	30	137	27
3	12	37	23	20	24	21	22	310	45	27	100	26
4	11	30	23	21	27	22	19	167	40	27	93	25
5	11	27	23	21	29	21	21	75	37	25	248	24
6	12	25	23	21	27	20	25	54	37	20	185	21
7	12	23	22	21	28	22	67	47	27	18	171	19
8	12	24	22	20	29	23	67	41	24	21	130	18
9	13	26	20	20	28	23	34	39	28	43	104	18
10	12	29	19	21	27	22	22	46	29	34	100	17
11	11	32	18	20	22	22	21	48	37	20	116	18
12	11	32	20	21	30	23	20	41	43	22	95	18
13	11	31	21	20	33	25	20	35	62	19	82	18
14	11	34	21	16	27	24	24	28	59	15	72	16
15	11	45	21	24	26	24	25	28	121	15	94	18
16	11	40	22	25	26	23	25	22	156	17	113	21
17	13	33	22	26	26	22	23	22	195	22	98	19
18	13	29	23	24	25	21	21	20	138	21	88	17
19	13	27	22	26	27	23	19	18	116	35	81	18
20	17	25	21	26	25	23	18	18	102	42	72	26
21	20	26	20	24	25	20	17	21	133	58	62	23
22	17	28	17	21	23	19	30	23	104	72	56	19
23	16	26	16	29	23	16	59	35	82	72	55	18
24	17	25	16	31	25	18	72	54	75	94	49	17
25	16	23	17	30	26	20	105	57	87	56	43	17
26	21	24	17	29	24	18	80	66	73	108	37	15
27	23	25	17	26	23	16	53	54	59	77	34	15
28	23	25	19	26	24	15	33	66	54	148	42	17
29	19	24	20	25	---	14	42	49	44	135	41	17
30	19	23	21	24	---	14	280	51	36	113	37	16
31	26	---	21	25	---	13	---	56	---	93	30	---
TOTAL	457.0	881	634	724	728	631	1292	2230	2131	1524	2803	585
MEAN	14.7	29.4	20.5	23.4	26.0	20.4	43.1	71.9	71.0	49.2	90.4	19.5
AC-FT	906	1750	1260	1440	1440	1250	2560	4420	4230	3020	5560	1160
MAX	26	46	24	31	33	25	280	343	195	148	248	27
MIN	9.0	23	16	16	22	13	12	18	24	15	30	15
CAL YR 1998 TOTAL	12252.2	MEAN	33.6	MAX	342	MIN	6.7	AC-FT	24300			
WTR YR 1999 TOTAL	14620.0	MEAN	40.1	MAX	343	MIN	9.0	AC-FT	29000			

MAX DISCH 566 CFS AT 2230 30-APR-1999 GH 2.96 FT. SHIFT 0.02 FT. MAX GH 2.96 FT. AT 2230 30-APR-1999

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 except for: Dec. 20-25, 28-29, 1998 when shore ice, and ice buildup on boulders and the control downstream of the gage affected the stage-discharge relationship. Record good, except during periods of estimated flows, which is poor. Station maintained and record developed by Div. II Personnel.

RATING TABLE.--RATING TABLE ARKCANCO22 USED FROM 01-OCT-1998 TO 30-SEP-1999

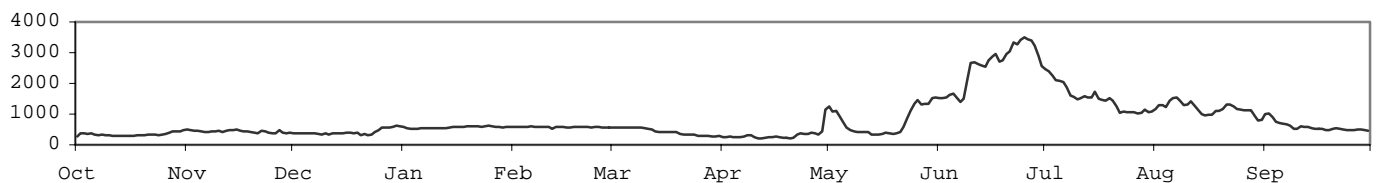
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	266	494	382	576	582	561	240	1240	1530	2450	1170	1010
2	384	471	377	545	573	562	258	1090	1520	2400	1300	1030
3	372	459	375	513	579	559	275	1100	1540	2250	1290	893
4	356	451	369	515	579	556	258	940	1620	2110	1230	747
5	373	433	372	530	593	557	255	723	1670	2080	1440	712
6	342	411	382	546	595	558	256	568	1540	2040	1520	678
7	318	425	366	548	586	561	268	485	1390	1880	1550	663
8	342	429	344	540	591	570	315	437	1500	1600	1440	617
9	313	446	342	533	591	553	308	411	2140	1570	1300	524
10	304	449	379	534	590	537	250	411	2660	1470	1320	514
11	300	427	343	541	581	531	211	425	2690	1520	1420	599
12	297	454	367	540	530	500	218	414	2620	1580	1280	575
13	288	480	370	551	577	440	232	341	2590	1550	1150	579
14	291	487	374	559	582	422	242	330	2540	1540	1000	548
15	288	494	377	573	584	410	259	342	2760	1720	956	514
16	289	455	386	575	572	409	265	364	2870	1510	970	521
17	294	440	401	579	566	414	249	386	2960	1460	970	525
18	306	432	382	586	579	411	239	374	2700	1430	1100	480
19	304	422	388	594	578	408	220	353	2740	1530	1100	482
20	311	403	320	602	586	360	213	365	2950	1430	1160	515
21	329	384	350	601	573	341	232	424	3040	1250	1310	539
22	333	460	320	596	588	330	330	588	3330	1040	1320	527
23	324	429	330	577	567	325	371	868	3280	1080	1240	500
24	315	396	410	605	579	326	350	1100	3410	1060	1170	481
25	330	384	470	615	578	297	364	1340	3510	1060	1140	483
26	350	385	556	602	572	289	391	1450	3440	1060	1120	488
27	397	475	563	587	562	297	384	1320	3390	1030	1120	497
28	428	403	570	583	560	298	325	1340	3220	1040	1120	501
29	441	384	580	562	---	279	435	1330	2900	1140	933	487
30	443	389	616	589	---	265	1140	1520	2560	1060	786	466
31	472	---	603	575	---	292	---	1540	---	1080	817	---
TOTAL	10500	13051	12764	17572	16173	13218	9353	23919	76610	47020	36742	17695
MEAN	339	435	412	567	578	426	312	772	2554	1517	1185	590
AC-FT	20830	25890	25320	34850	32080	26220	18550	47440	152000	93260	72880	35100
MAX	472	494	616	615	595	570	1140	1540	3510	2450	1550	1030
MIN	266	384	320	513	530	265	211	330	1390	1030	786	466

CAL YR 1998 TOTAL 239326 MEAN 656 MAX 2850 MIN 235 AC-FT 474700
WTR YR 1999 TOTAL 294617 MEAN 807 MAX 3510 MIN 211 AC-FT 584400

MAX DISCH 3642 CFS AT 1500 25-JUN-1999 GH 9.07 FT. SHIFT 0.01 FT. MAX GH 9.07 FT. AT 1500 25-JUN-1999

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 is complete and reliable except for: Dec. 20-31, 1998 when ice buildup downstream of the gage affected the stage-discharge relationship. Record good, except during periods of estimated flows, which is poor. Station maintained and record developed by Adam Adame.

RATING TABLE.--RATING TABLE ARKPORCO04 USED FROM 01-OCT-1998 TO 30-SEP-1999

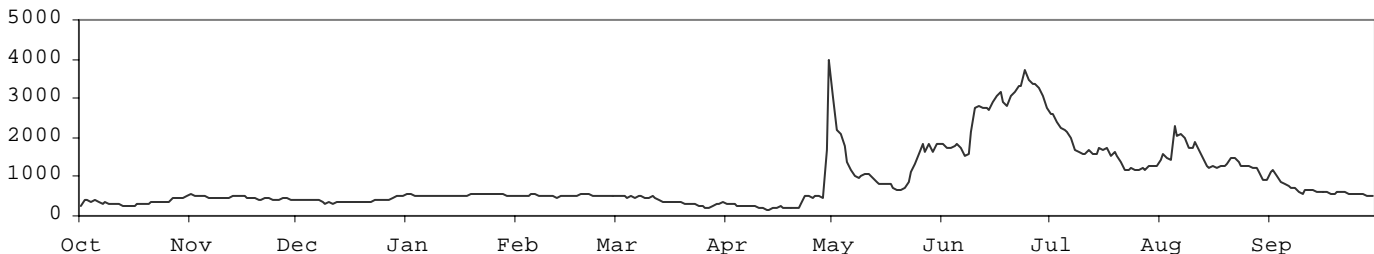
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	244	540	402	579	516	497	321	3070	1820	2600	1430	1100
2	383	518	396	564	510	497	327	2190	1750	2580	1560	1180
3	422	488	402	515	515	493	294	2090	1760	2420	1490	1030
4	373	502	401	495	525	484	275	1790	1790	2260	1420	852
5	393	494	399	506	545	499	236	1400	1840	2190	2320	825
6	370	436	404	526	551	482	238	1160	1730	2160	2030	774
7	323	444	401	528	535	496	230	1040	1510	2000	2090	738
8	353	449	345	513	529	496	273	988	1580	1690	1990	699
9	318	463	325	512	529	484	276	1040	2140	1640	1760	594
10	289	476	360	498	524	461	229	1070	2740	1570	1760	547
11	288	443	326	489	528	516	183	1050	2820	1590	1880	680
12	285	467	332	488	474	455	175	981	2760	1700	1680	661
13	274	511	346	494	510	391	176	856	2730	1600	1480	667
14	263	526	335	518	535	375	188	821	2680	1580	1300	625
15	265	529	348	533	511	374	217	839	2910	1740	1250	609
16	264	511	341	531	503	358	232	835	3060	1700	1260	630
17	307	456	366	533	495	366	220	813	3180	1710	1200	626
18	329	447	360	534	510	365	204	726	2890	1530	1270	571
19	307	441	346	542	543	372	195	663	2830	1650	1290	556
20	326	431	340	550	549	328	182	643	3050	1550	1350	593
21	340	402	340	547	538	291	186	699	3160	1380	1480	631
22	358	458	340	547	524	300	317	843	3340	1190	1490	616
23	340	460	400	536	520	304	512	1140	3340	1160	1400	575
24	332	426	400	559	492	255	495	1330	3700	1200	1300	549
25	353	404	425	574	513	242	476	1600	3470	1170	1290	538
26	379	411	425	556	491	214	515	1830	3390	1170	1270	553
27	435	484	425	545	497	217	501	1640	3380	1200	1250	546
28	449	454	450	540	493	273	467	1820	3270	1170	1220	527
29	484	403	500	509	---	324	1690	1640	3050	1280	1110	530
30	474	407	500	527	---	304	3970	1850	2760	1260	918	531
31	515	---	500	521	---	336	---	1850	---	1270	905	---
TOTAL	10835	13881	11980	16409	14505	11849	13800	40307	80430	50910	45443	20153
MEAN	350	463	386	529	518	382	460	1300	2681	1642	1466	672
AC-FT	21490	27530	23760	32550	28770	23500	27370	79950	159500	101000	90140	39970
MAX	515	540	500	579	551	516	3970	3070	3700	2600	2320	1180
MIN	244	402	325	488	474	214	175	643	1510	1160	905	527

CAL YR 1998 TOTAL 253396 MEAN 694 MAX 2900 MIN 244 AC-FT 502600
WTR YR 1999 TOTAL 330502 MEAN 905 MAX 3970 MIN 175 AC-FT 655600

MAX DISCH 6187 CFS AT 2030 24-JUN-1999 GH 8.03 FT. SHIFT -0.26 FT. MAX GH 8.03 FT. AT 2030 24-JUN-1999

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: Nov. 14-17, 1998 when floats were on sand in well. Record good, except during periods of estimated flows, which is fair. Station maintained and record developed by Adam Adame.

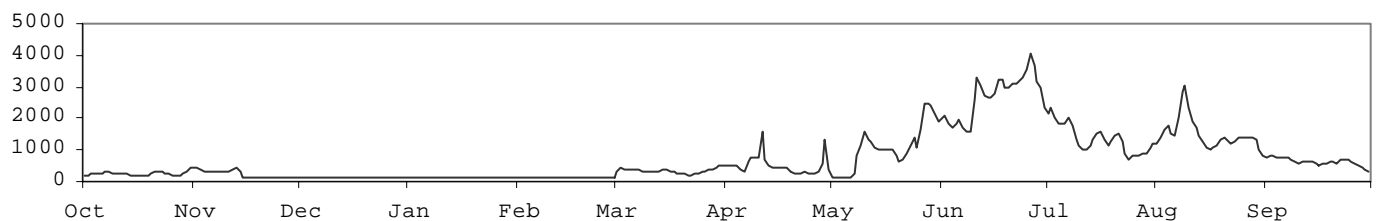
RATING TABLE.--RATING TABLE ARKPUECO16 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	460	96	100	104	310	482	104	2040	2160	1220	747
2	162	432	98	100	104	435	483	103	2070	2370	1400	809
3	232	372	98	100	104	408	502	103	1840	2040	1670	815
4	267	333	98	100	104	381	533	103	1740	1820	1770	790
5	267	331	98	100	104	381	408	104	1840	1820	1540	756
6	268	332	98	100	104	379	324	104	1950	1850	1430	740
7	291	332	98	100	104	381	635	284	1700	2020	2010	764
8	291	331	98	100	104	330	738	850	1610	1790	2840	724
9	280	307	96	100	104	300	735	1140	1560	1350	3050	655
10	279	288	96	100	104	299	735	1600	2600	1170	2340	564
11	281	290	96	100	108	301	1580	1330	3270	1040	1910	621
12	282	355	96	104	108	302	691	1250	3040	1040	1740	662
13	245	418	96	104	107	323	527	1100	2730	1170	1430	612
14	213	326	96	104	108	353	450	1020	2660	1330	1270	612
15	213	96	96	104	108	352	428	1020	2650	1510	1090	574
16	197	96	96	104	108	335	428	1020	2760	1610	1020	510
17	187	96	96	104	108	293	427	1020	3220	1300	1060	539
18	187	96	98	104	108	252	429	1020	3250	1120	1170	568
19	201	96	98	104	108	242	314	827	2990	1250	1300	608
20	252	96	98	104	108	236	234	633	3000	1470	1400	612
21	311	97	96	104	108	216	253	702	3080	1540	1280	601
22	322	96	96	104	106	203	268	862	3110	1270	1230	681
23	294	96	96	104	106	223	303	1120	3160	859	1260	721
24	276	96	96	104	106	266	281	1370	3300	722	1370	709
25	254	96	96	104	106	291	246	1100	3550	801	1420	643
26	217	96	96	104	106	329	246	1630	4060	841	1410	600
27	201	96	96	104	106	369	313	2470	3640	839	1400	529
28	200	97	98	104	106	379	564	2470	3140	856	1410	443
29	223	96	98	104	---	418	1310	2390	2960	910	1310	379
30	347	96	96	104	---	484	359	2140	2360	1090	989	330
31	442	---	98	104	---	481	---	1890	---	1210	845	---
TOTAL	7857	6445	3002	3180	2969	10252	15226	32879	80880	42168	46584	18918
MEAN	253	215	96.8	103	106	331	508	1061	2696	1360	1503	631
AC-FT	15580	12780	5950	6310	5890	20330	30200	65220	160400	83640	92400	37520
MAX	442	460	98	104	108	484	1580	2470	4060	2370	3050	815
MIN	162	96	96	100	104	203	234	103	1560	722	845	330
CAL YR 1998 TOTAL		231805	MEAN	635	MAX	3220	MIN	51	AC-FT	459800		
WTR YR 1999 TOTAL		270360	MEAN	741	MAX	4060	MIN	96	AC-FT	536300		

MAX DISCH 5140 CFS AT 1315 11-APR-1999 GH 6.77 FT. SHIFT -0.02 FT. MAX GH 6.77 FT. AT 1315 11-APR-1999

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: Nov. 20-21; Dec. 8-11, 15, 19-22, 1998; Jan. 3-4, 9, 14, 17-18, 23-29, 31; Feb. 1-7, 12-18, 21-24, 27-28, 1999 when stage-discharge relationship ice affected; Mar. 3-4, 1999 when the DCP and SE were being replaced and chart recorder was not working. Record good, except for periods of ice effect, which should be considered poor. Station maintained and record developed by Adam Adame.

RATING TABLE.--HURREDCO22 USED FROM 01-OCT-1998 TO 30-SEP-1999

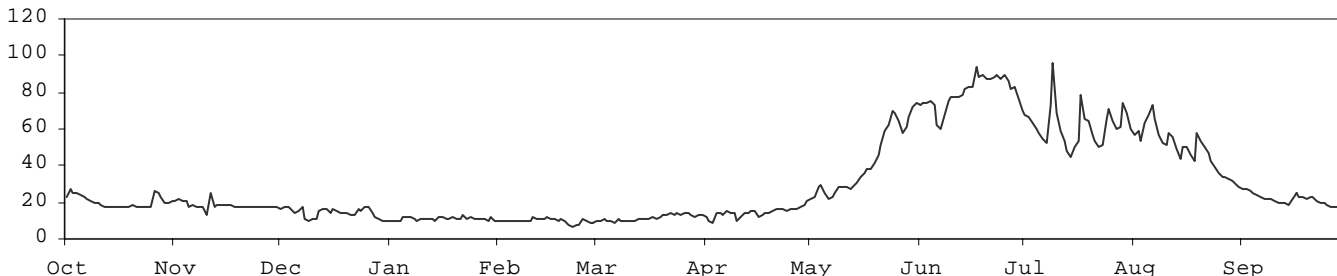
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	21	16	9.9	9.9	10	12	22	73	68	57	27
2	27	22	17	10	9.9	10	9.8	23	74	67	59	27
3	25	21	17	9.5	9.9	11	8.3	28	74	63	54	26
4	25	21	16	9.9	9.9	9.5	14	29	75	60	63	25
5	24	18	14	12	10	9.4	14	25	73	58	68	24
6	23	19	15	12	9.9	9.1	13	22	62	55	73	23
7	22	18	17	12	9.9	11	15	23	60	52	66	22
8	21	18	11	11	9.8	10	14	25	68	73	57	22
9	20	18	9.9	9.9	9.9	10	14	28	75	96	52	22
10	20	13	11	11	9.3	10	10	28	78	69	51	21
11	19	25	11	11	12	9.9	12	28	77	59	58	20
12	18	18	15	11	11	10	14	27	77	53	56	20
13	18	19	16	11	11	11	14	28	79	48	49	20
14	18	19	16	10	11	11	15	31	82	45	44	19
15	18	19	14	12	12	11	15	34	83	50	50	22
16	18	19	16	12	11	11	12	36	83	54	50	25
17	18	19	15	11	11	12	13	38	94	79	46	23
18	17	17	14	11	9.9	11	14	38	88	65	43	23
19	18	17	14	12	11	12	14	42	90	64	58	22
20	19	17	14	11	9.8	13	15	46	87	57	54	23
21	18	17	13	11	7.8	13	16	51	87	54	50	23
22	18	17	13	13	6.7	14	16	59	88	50	47	21
23	18	18	16	11	7.7	13	16	62	90	51	43	20
24	18	17	15	12	7.7	14	15	70	87	65	39	20
25	17	17	17	11	11	13	16	69	90	71	36	19
26	26	17	17	11	10	14	16	64	86	64	34	17
27	25	17	14	11	9.2	14	16	58	82	60	34	17
28	23	17	12	11	8.7	13	17	61	83	61	33	17
29	20	17	11	10	---	12	19	67	76	74	32	18
30	20	17	10	12	---	13	21	72	70	69	30	18
31	21	---	9.9	9.9	---	13	---	74	---	60	28	---
TOTAL	635	549	436.8	342.1	276.9	357.9	430.1	1308	2391	1914	1514	646
MEAN	20.5	18.3	14.1	11.0	9.89	11.5	14.3	42.2	79.7	61.7	48.8	21.5
AC-FT	1260	1090	866	679	549	710	853	2590	4740	3800	3000	1280
MAX	27	25	17	13	12	14	21	74	94	96	73	27
MIN	17	13	9.9	9.5	6.7	9.1	8.3	22	60	45	28	17

CAL YR 1998 TOTAL 12763.6 MEAN 35.0 MAX 141 MIN 7.0 AC-FT 25320
WTR YR 1999 TOTAL 10800.8 MEAN 29.6 MAX 96 MIN 6.7 AC-FT 21420

MAX DISCH 122 CFS AT 0015 09-JUL-1999 GH 3.33 FT. SHIFT -0.02 FT. MAX GH 3.33 FT. AT 0015 09-JUL-1999

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: Nov. 10-12, 19-21; Dec. 6-16, 19-29, 1998; Jan. 2-6, 8-9, 14, 17-18, 22-24, 27-31; Feb. 1-4, 6-7, 12-28; Mar. 7; Apr. 3-5, 1999 when the stage-discharge relationship ice affected. Record good, except during periods of ice effect, which are poor. Station maintained and record developed by Anthony Gutierrez.

RATING TABLE.--CRBRLVCO13 USED FROM 01-OCT-1998 TO 30-SEP-1999

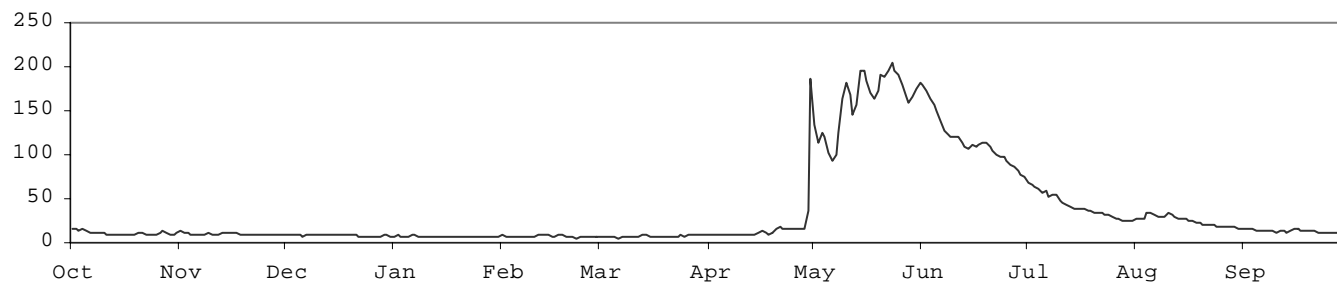
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	13	8.8	7.8	8.0	6.4	8.4	133	179	69	28	15
2	15	12	9.0	8.0	7.6	6.4	8.2	114	172	67	28	15
3	13	11	9.0	7.6	7.2	6.3	8.0	125	164	63	28	15
4	15	10	8.5	7.2	6.9	6.3	8.2	120	156	61	35	14
5	13	10	8.0	7.8	6.5	6.1	8.5	103	150	56	35	14
6	12	10	7.5	8.3	7.0	5.5	9.4	94	139	60	32	14
7	12	10	8.0	8.0	6.8	6.0	9.7	100	127	53	30	13
8	12	10	8.0	7.6	7.0	6.3	9.8	124	122	54	29	14
9	11	11	8.0	7.5	7.5	6.2	8.8	163	121	54	29	13
10	11	10	8.4	7.4	7.1	6.2	9.3	182	121	48	33	12
11	10	10	9.0	7.3	8.9	6.5	9.0	169	121	45	32	13
12	10	10	9.0	7.3	8.5	6.1	8.6	146	114	43	29	13
13	10	11	9.0	6.4	8.5	8.5	9.6	157	109	42	27	12
14	10	11	10	6.5	8.0	8.1	9.6	196	107	39	27	13
15	9.8	11	10	6.8	7.6	6.7	11	196	111	38	27	17
16	10	12	10	6.6	7.6	6.8	13	183	109	38	25	15
17	10	11	9.7	6.4	8.5	6.7	12	170	111	39	24	13
18	10	10	9.1	6.8	8.0	6.2	9.9	163	113	37	23	13
19	10	8.5	9.2	7.0	7.4	7.8	12	172	113	36	23	14
20	11	8.5	9.2	6.9	6.0	7.5	16	191	108	35	21	14
21	11	8.5	8.0	7.1	6.2	7.5	18	188	104	33	21	14
22	10	8.2	7.5	7.0	5.5	7.9	16	196	101	33	20	12
23	10	8.2	6.8	6.8	6.5	7.8	15	205	98	32	20	12
24	9.9	8.2	6.8	6.6	6.4	8.0	15	195	98	31	19	12
25	9.8	8.2	7.0	7.3	6.2	7.6	15	190	93	29	19	12
26	12	8.2	7.0	6.9	6.0	8.1	15	179	89	28	19	11
27	13	8.2	7.5	6.4	6.2	9.2	15	165	86	27	18	11
28	11	8.2	7.7	6.4	6.0	8.9	17	159	81	26	18	12
29	9.8	8.2	8.4	6.6	---	8.6	36	166	77	25	18	12
30	9.7	8.2	8.7	6.5	---	8.8	186	175	74	24	16	11
31	12	---	7.7	6.8	---	8.7	---	181	---	26	15	---
TOTAL	350.0	292.3	260.5	219.6	199.6	223.7	547.0	5000	3468	1291	768	395
MEAN	11.3	9.74	8.40	7.08	7.13	7.22	18.2	161	116	41.6	24.8	13.2
AC-FT	694	580	517	436	396	444	1080	9920	6880	2560	1520	783
MAX	17	13	10	8.3	8.9	9.2	186	205	179	69	35	17
MIN	9.7	8.2	6.8	6.4	5.5	5.5	8.0	94	74	24	15	11

CAL YR 1998 TOTAL 8698.9 MEAN 23.8 MAX 123 MIN 5.1 AC-FT 17250
WTR YR 1999 TOTAL 13014.7 MEAN 35.7 MAX 205 MIN 5.5 AC-FT 25810

MAX DISCH 237 CFS AT 0500 30-APR-1999 GH 1.97 FT. SHIFT 0.36 FT. MAX GH 1.97 FT. AT 0500 30-APR-1999

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



ARKANSAS RIVER BASIN

07117000 ARKANSAS RIVER NEAR NEPESTA, CO

LOCATION.--Lat 38°11'03", long 104°10'22", in SW¼SE¼ sec. 25, T.21 S., R.61 W., Pueblo County, Hydrologic Unit 110200005, on right bank 0.7 mi upstream from headgate of Oxford Farmers Co. canal, 1.9 mi northwest of Nepesta, 2.7 mi upstream from Kramer Creek, and 6.6 mi downstream from Huerfano River.

DRAINAGE AREA.--9,345 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,385 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Dec. 19, 1998-Jan. 12, 1999 when ice affected stage-discharge relationship; Feb. 12, Mar. 7-10, 17-18, 1999, due to plugged orifice line. Record fair except for estimated periods, which should be considered poor. Station maintained and record developed by Div. II Staff.

RATING TABLE.--ARKNEPC011 USED FROM 01-OCT-1998 TO 1255 1-MAY-1999
ARKNEPC012 USED FROM 1300 01-MAY-1999 TO 30-SEP-1999

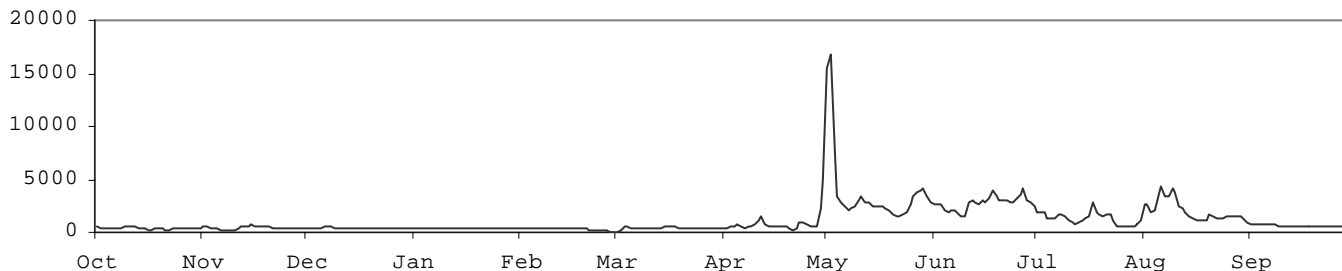
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	507	560	423	385	424	78	404	15400	2680	1870	2610	735
2	387	573	400	384	418	146	418	16700	2680	1900	2620	710
3	414	335	434	370	418	535	595	7750	2580	1950	1940	766
4	426	310	447	375	428	488	649	3420	2120	1380	2130	765
5	417	296	456	384	453	445	671	2820	1900	1280	3510	753
6	415	265	480	411	450	416	511	2430	2050	1380	4350	719
7	413	242	503	434	448	397	399	2140	2000	1630	3370	707
8	453	230	496	420	401	390	591	2240	1630	1710	3450	763
9	490	216	454	413	401	370	657	2500	1520	1430	4070	659
10	496	207	456	415	407	336	733	3030	1470	1080	3820	572
11	499	389	444	423	388	326	1060	3390	2830	945	2390	491
12	499	581	440	423	374	355	1510	2850	3090	813	2210	574
13	455	627	421	428	367	409	727	2810	2850	1030	1850	599
14	330	660	399	432	385	449	492	2420	2670	1120	1570	541
15	299	675	430	420	373	583	477	2430	2950	1340	1370	490
16	276	563	446	394	356	592	483	2520	2810	1560	1120	572
17	275	525	414	399	343	611	491	2480	3190	2850	1090	565
18	301	510	418	406	322	508	474	2350	3880	1920	1090	537
19	312	496	404	399	306	449	482	2160	3350	1620	1210	503
20	327	478	396	393	290	413	370	1770	3050	1580	1630	560
21	251	461	386	396	264	391	258	1510	3030	1610	1600	606
22	266	448	365	400	208	380	339	1520	3040	1730	1410	571
23	299	436	365	401	210	359	1020	1670	2780	1110	1330	633
24	332	452	365	388	122	377	1000	1960	2750	632	1380	600
25	397	460	376	412	110	374	694	2590	3170	539	1530	564
26	389	446	387	437	100	382	618	3330	3620	583	1530	500
27	359	434	399	446	89	429	537	3740	4130	624	1520	496
28	314	417	409	436	87	419	543	3990	2960	590	1510	509
29	369	420	393	401	---	424	2230	4070	2910	618	1570	495
30	345	447	398	376	---	367	4990	3410	2480	709	1220	500
31	413	---	391	398	---	418	---	2860	---	1220	1020	---
TOTAL	11725	13159	12995	12599	8942	12616	24423	114260	82170	40353	63020	18055
MEAN	378	439	419	406	319	407	814	3686	2739	1302	2033	602
AC-FT	23260	26100	25780	24990	17740	25020	48440	226600	163000	80040	125000	35810
MAX	507	675	503	446	453	611	4990	16700	4130	2850	4350	766
MIN	251	207	365	370	87	78	258	1510	1470	539	1020	490

CAL YR 1998 TOTAL 308646 MEAN 846 MAX 3200 MIN 188 AC-FT 612200
WTR YR 1999 TOTAL 414317 MEAN 1135 MAX 16700 MIN 78 AC-FT 821800

MAX DISCH 25000 CFS AT 1300 01-MAY-1999 GH 5.26 FT. SHIFT 0.00 FT. MAX GH 5.29 FT. AT 0400 06-AUG-1999

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.--Record is complete and reliable except for the following periods: Chart record backup unreliable Dec. 8, 1998-Sep. 30, 1999 due to chart drive calibration problems; Nov. 19-24, 30; Dec. 1, 6-30, 1998 due to nitrogen leak problems; Dec. 24, 1998-Jan. 4, 1999 due to ice affecting stage-discharge relationship; Feb. 3, 23-24; Mar. 18-19; May 5-6; Jul. 24-25, 1999 due to missing satellite data and no backup record; May 1-2, 1999 due to Arkansas River flood event (river out of banks). Record fair except for periods of estimated gage heights and ice effect, which should be considered poor. Record developed and station maintained by Division II personnel.

RATING TABLE.--ARKCATCO07 USED FROM 01-OCT-1998 TO 1-MAY-1999
ARKCATCO09 USED FROM 01-MAY-1999 TO 30-SEP-1999

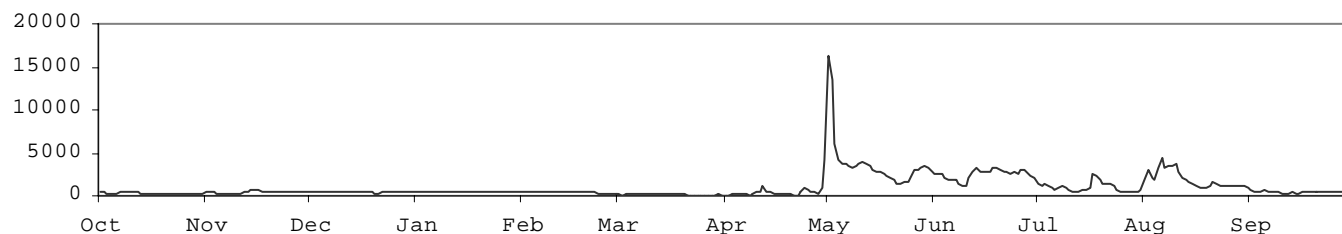
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	569	424	479	418	402	122	95	16200	2520	1460	1750	691
2	397	511	510	421	391	116	96	13500	2550	1240	3080	527
3	281	422	484	420	418	170	177	6070	2490	1390	2010	525
4	288	242	475	435	470	176	302	4230	2120	1130	1920	578
5	330	200	469	476	494	176	312	3700	1800	904	3200	588
6	335	182	467	481	499	194	285	3660	1820	812	4340	570
7	349	162	482	499	500	202	119	3430	1840	1010	3340	479
8	355	153	483	469	486	201	86	3280	1440	1120	3400	452
9	375	150	464	472	468	194	312	3510	1240	954	3580	427
10	368	172	454	460	452	136	390	3790	1130	739	3650	342
11	376	176	455	462	424	128	577	4020	2190	491	2790	283
12	349	436	450	488	400	139	1270	3650	2840	439	2140	246
13	323	497	437	508	463	161	525	3410	3180	457	1850	365
14	276	623	433	520	463	177	441	3000	2770	589	1560	333
15	211	782	454	520	440	188	304	2780	2850	730	1380	334
16	183	636	463	496	433	233	280	2750	2720	964	1160	377
17	187	559	446	486	404	147	258	2570	2850	2620	997	464
18	215	544	443	432	454	147	241	2350	3340	2250	948	426
19	214	502	426	462	426	146	240	2140	3270	1910	1010	468
20	210	484	346	442	416	117	230	1790	2930	1480	1180	491
21	152	467	348	431	407	99	116	1510	2830	1390	1570	549
22	123	454	362	433	373	89	91	1430	2830	1490	1290	549
23	178	447	370	419	272	69	458	1550	2610	1210	1190	544
24	182	458	548	408	259	62	829	1710	2720	736	1140	577
25	175	405	430	404	179	53	606	2070	2640	510	1200	577
26	190	368	424	420	154	25	402	3070	3040	465	1210	551
27	190	389	426	441	142	57	353	3040	3090	507	1200	479
28	183	409	424	428	129	71	328	3340	2670	467	1160	493
29	159	404	427	425	---	98	911	3580	2270	395	1260	437
30	226	452	426	414	---	121	4280	3180	2020	409	1180	362
31	256	---	425	400	---	73	---	2850	---	651	878	---
TOTAL	8205	12110	13730	13990	10818	4087	14914	117160	74610	30919	58563	14084
MEAN	265	404	443	451	386	132	497	3779	2487	997	1889	469
AC-FT	16270	24020	27230	27750	21460	8110	29580	232400	148000	61330	116200	27940
MAX	569	782	548	520	500	233	4280	16200	3340	2620	4340	691
MIN	123	150	346	400	129	25	86	1430	1130	395	878	246

CAL YR 1998 TOTAL 263295 MEAN 721 MAX 3120 MIN 123 AC-FT 522200
WTR YR 1999 TOTAL 373190 MEAN 1022 MAX 16200 MIN 25 AC-FT 740200

MAX DISCH 26000 CFS AT 1500 01-MAY-1999 GH 11.30 FT. SHIFT 0.00 FT. MAX GH 11.30 FT. AT 1500 01-MAY-1999

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 except for: Mar. 3-5, 1999 when floats activating the chart recorder and shaft encoder operated unreliably or hung up in the stilling well walls. Record good, except during periods of estimated flows, which is poor. Records developed by Div. II personnel.

RATING TABLE.--RATING TABLE CATCANCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

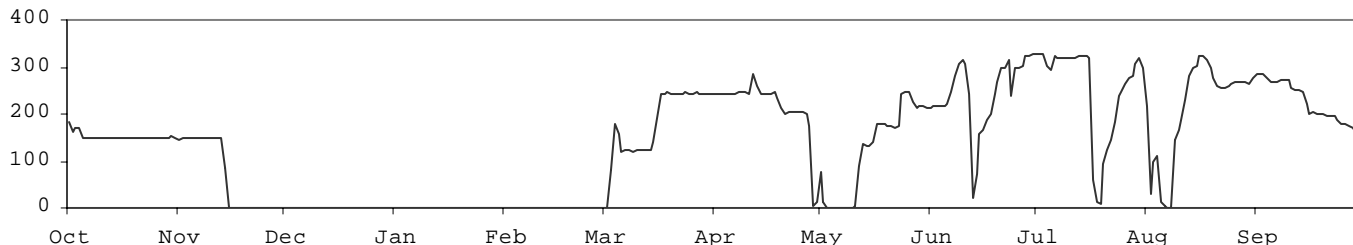
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	183	145	0.0	0.0	0.0	0.0	243	77	213	327	215	286
2	163	148	0.0	0.0	0.0	0.0	243	12	218	327	30	285
3	170	148	0.0	0.0	0.0	82	243	0.0	218	327	96	284
4	169	149	0.0	0.0	0.0	178	242	0.0	217	304	111	277
5	149	148	0.0	0.0	0.0	158	242	0.0	218	292	11	269
6	151	148	0.0	0.0	0.0	121	243	0.0	221	323	3.1	269
7	150	148	0.0	0.0	0.0	122	244	0.0	245	320	1.9	266
8	149	148	0.0	0.0	0.0	122	246	0.0	279	321	1.8	271
9	150	147	0.0	0.0	0.0	121	246	0.0	305	321	146	271
10	148	148	0.0	0.0	0.0	122	246	0.0	313	321	164	271
11	149	149	0.0	0.0	0.0	122	244	4.3	305	320	188	255
12	147	148	0.0	0.0	0.0	122	283	91	243	321	229	249
13	148	150	0.0	0.0	0.0	123	261	136	23	322	280	252
14	149	87	0.0	0.0	0.0	124	243	132	72	323	296	248
15	150	0.0	0.0	0.0	0.0	141	243	131	157	322	302	220
16	151	0.0	0.0	0.0	0.0	192	243	140	167	319	325	202
17	151	0.0	0.0	0.0	0.0	244	243	178	189	61	325	203
18	151	0.0	0.0	0.0	0.0	243	245	178	200	11	317	201
19	150	0.0	0.0	0.0	0.0	245	234	177	244	8.4	297	202
20	148	0.0	0.0	0.0	0.0	244	214	176	269	95	277	200
21	150	0.0	0.0	0.0	0.0	242	201	173	298	124	260	195
22	150	0.0	0.0	0.0	0.0	243	203	172	298	145	257	194
23	150	0.0	0.0	0.0	0.0	244	203	174	313	184	257	195
24	150	0.0	0.0	0.0	0.0	245	203	244	239	239	258	189
25	150	0.0	0.0	0.0	0.0	243	203	248	297	247	264	177
26	150	0.0	0.0	0.0	0.0	242	203	247	298	263	267	177
27	149	0.0	0.0	0.0	0.0	245	202	225	304	275	267	176
28	150	0.0	0.0	0.0	0.0	243	174	213	323	282	267	172
29	150	0.0	0.0	0.0	---	244	3.9	217	324	305	267	162
30	152	0.0	0.0	0.0	---	242	11	215	328	319	264	160
31	149	---	0.0	0.0	---	243	---	213	---	300	275	---
TOTAL	4726	2011	0.0	0.0	0.0	5502	6497.9	3773.3	7338	7968.4	6518.8	6778
MEAN	152	67.0	0.0	0.0	0.0	177	217	122	245	257	210	226
AC-FT	9370	3990	0.0	0.0	0.0	10910	12890	7480	14550	15810	12930	13440
MAX	183	150	0.0	0.0	0.0	245	283	248	328	327	325	286
MIN	147	0.0	0.0	0.0	0.0	0.0	3.9	0.0	23	8.4	1.8	160

CAL YR 1998 TOTAL 56607 MEAN 155 MAX 348 MIN 0.00 AC-FT 112300
WTR YR 1999 TOTAL 51113.4 MEAN 140 MAX 328 MIN 0.00 AC-FT 101400

MAX DISCH 441 CFS AT 1800 01-MAY-1999 GH 3.54 FT. SHIFT 0.00 FT. MAX GH 3.54 FT. AT 1800 01-MAY-1999

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.

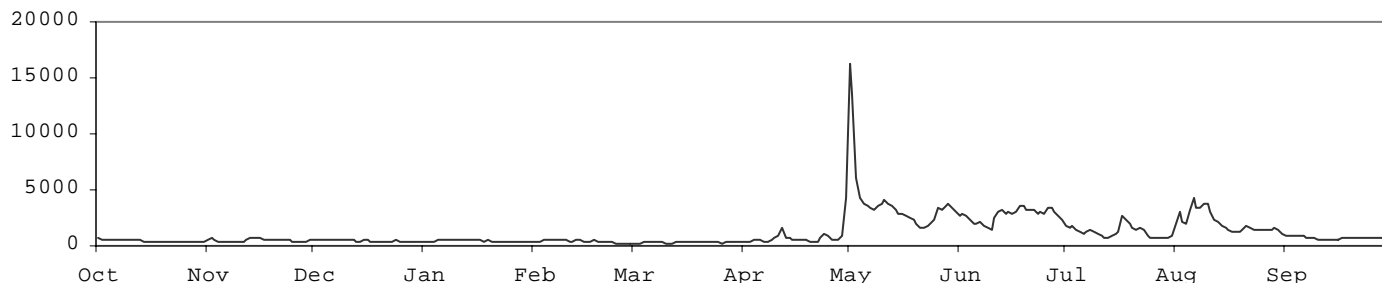
REMARKS.--Record fair, except during periods of estimated flow and during periods of ice effect, which should be considered poor. Record is a compilation of Catlin Dam and Catlin Canal records developed by Div. II Personnel.

CATLIN COMBINED

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	752	569	479	418	402	122	338	16300	2730	1790	1960	977
2	560	659	510	421	391	116	339	13500	2770	1570	3110	812
3	451	570	484	420	418	252	420	6070	2710	1720	2110	809
4	457	391	475	435	470	354	544	4230	2340	1430	2030	855
5	479	348	469	476	494	334	554	3700	2020	1200	3210	857
6	486	330	467	481	499	315	528	3660	2040	1140	4340	839
7	499	310	482	499	500	324	363	3430	2080	1330	3340	745
8	504	301	483	469	486	323	332	3280	1720	1440	3400	723
9	525	297	464	472	468	315	558	3510	1540	1280	3730	698
10	516	320	454	460	452	258	636	3790	1440	1060	3810	613
11	525	325	455	462	424	250	821	4020	2500	811	2980	538
12	496	584	450	488	400	261	1550	3740	3080	760	2370	495
13	471	647	437	508	463	284	786	3550	3200	779	2130	617
14	425	710	433	520	463	301	684	3130	2840	912	1860	581
15	361	782	454	520	440	329	547	2910	3010	1050	1680	554
16	334	636	463	496	433	425	523	2890	2890	1280	1480	579
17	338	559	446	486	404	391	501	2750	3040	2680	1320	667
18	366	544	443	432	454	390	486	2530	3540	2260	1260	627
19	364	502	426	462	426	391	474	2320	3510	1920	1310	670
20	358	484	346	442	416	361	444	1970	3200	1580	1460	691
21	302	467	348	431	407	341	317	1680	3130	1510	1830	744
22	273	454	362	433	373	332	294	1600	3130	1640	1550	743
23	328	447	370	419	272	313	661	1720	2920	1390	1450	739
24	332	458	548	408	259	307	1030	1950	2960	975	1400	766
25	325	405	430	404	179	296	809	2320	2940	757	1460	754
26	340	368	424	420	154	267	605	3320	3340	728	1480	728
27	339	389	426	441	142	302	555	3260	3390	782	1470	655
28	333	409	424	428	129	314	502	3550	2990	749	1430	665
29	309	404	427	425	---	342	915	3800	2590	700	1530	599
30	378	452	426	414	---	363	4290	3400	2350	728	1440	522
31	405	---	425	400	---	316	---	3060	---	951	1150	---
TOTAL	12931	14121	13730	13990	10818	9589	21406	120940	81940	38902	65080	20862
MEAN	417	471	443	451	386	309	714	3901	2731	1255	2099	695
AC-FT	25650	28010	27230	27750	21460	19020	42460	239900	162500	77160	129100	41380
MAX	752	782	548	520	500	425	4290	16300	3540	2680	4340	977
MIN	273	297	346	400	129	116	294	1600	1440	700	1150	495
CAL YR 1998 TOTAL		319945	MEAN	877	MAX	3200	MIN	273	AC-FT	634600		
WTR YR 1999 TOTAL		424309	MEAN	1162	MAX	16300	MIN	116	AC-FT	841600		

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 is complete and reliable. Satellite data missing from June 22-June 29, 1999. Chart data used during this period. Record fair. Outside gage was often found isolated due to mud deposits. Corresponding gage readings were perhaps not accurate. The inaccuracy was compensated for in shifts to the rating as determined by measurements. Station maintained and record developed by Div. II Personnel.

RATING TABLE.--CANSWKCO06 USED FROM 01-OCT-1998 TO 30-SEP-1999

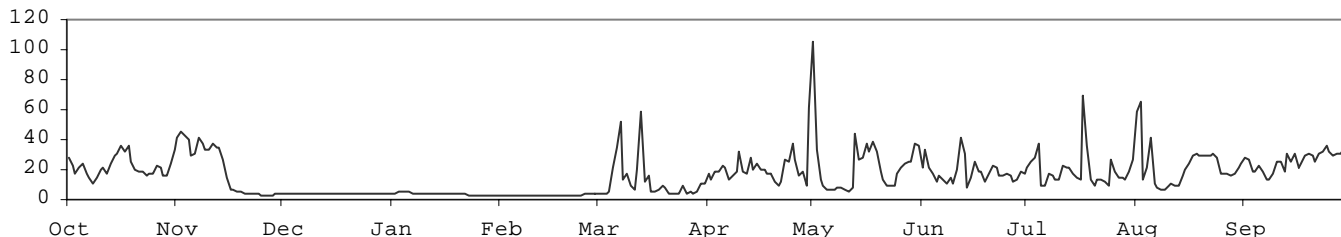
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	41	3.9	3.4	2.4	4.1	17	105	22	22	59	28
2	23	45	3.9	4.6	2.4	4.2	14	34	33	25	66	27
3	17	43	3.9	5.1	2.4	4.6	19	13	22	28	13	19
4	21	40	3.9	5.0	2.4	4.8	19	9.0	17	37	21	19
5	24	29	3.9	4.8	2.4	21	23	7.3	12	10	42	23
6	18	31	3.9	4.7	2.6	35	21	7.2	16	9.0	11	19
7	15	41	4.0	4.5	2.6	52	13	6.5	13	17	8.0	13
8	11	37	3.9	4.1	2.5	14	16	8.6	11	16	7.0	14
9	15	34	3.9	4.1	2.5	17	19	8.1	15	13	6.8	17
10	20	33	3.9	4.1	2.6	10	32	6.9	11	14	9.5	26
11	21	37	3.7	4.1	2.6	6.9	19	5.9	20	23	11	26
12	18	35	4.1	4.1	2.6	20	17	7.9	42	22	9.7	19
13	24	35	3.9	4.2	2.6	59	28	44	31	22	10	31
14	29	27	3.9	4.3	2.7	12	20	27	8.6	17	16	26
15	31	15	3.9	4.1	2.6	16	24	28	15	15	20	31
16	36	6.5	4.0	4.2	2.6	6.0	20	38	26	14	24	21
17	32	6.8	4.2	4.3	2.6	5.6	20	32	19	69	30	24
18	36	5.7	4.1	3.9	2.6	7.3	18	39	19	36	31	30
19	25	4.7	3.7	3.9	2.6	9.1	18	32	12	13	29	31
20	20	4.4	4.1	3.8	2.7	8.3	12	19	17	9.9	29	30
21	19	4.0	4.0	3.8	2.9	4.5	8.9	13	23	14	29	26
22	19	3.9	3.8	3.6	3.0	4.6	12	10	22	14	30	31
23	16	3.6	3.5	3.2	3.1	3.9	27	9.0	16	12	31	32
24	18	3.5	3.4	3.3	3.3	4.4	25	9.5	16	9.6	28	36
25	18	3.3	3.4	2.8	3.5	9.5	37	18	17	27	17	32
26	23	3.2	3.4	2.8	3.6	3.7	27	22	16	19	18	30
27	21	3.2	3.4	2.6	3.7	4.9	16	24	12	15	17	31
28	16	3.3	3.4	2.4	3.8	4.4	19	25	14	15	16	31
29	16	3.9	3.4	2.4	---	4.8	9.0	26	19	13	18	33
30	24	3.9	3.4	2.4	---	11	62	37	18	19	22	49
31	34	---	3.4	2.4	---	11	---	36	---	27	24	---
TOTAL	688	586.9	117.2	117.0	77.9	383.6	631.9	707.9	554.6	616.5	703.0	805
MEAN	22.2	19.6	3.78	3.77	2.78	12.4	21.1	22.8	18.5	19.9	22.7	26.8
AC-FT	1360	1160	232	232	155	761	1250	1400	1100	1220	1390	1600
MAX	36	45	4.2	5.1	3.8	59	62	105	42	69	66	49
MIN	11	3.2	3.4	2.4	2.4	3.7	8.9	5.9	8.6	9.0	6.8	13

CAL YR 1998 TOTAL 6954.9 MEAN 19.1 MAX 79 MIN 3.2 AC-FT 13800
WTR YR 1999 TOTAL 5989.5 MEAN 16.4 MAX 105 MIN 2.4 AC-FT 11880

MAX DISCH 277 CFS AT 1530 01-MAY-1999 GH 4.77 FT. SHIFT 0.01 FT. MAX GH 4.77 FT. AT 1530 01-MAY-1999

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 AND PERIOD OF RECORD.--12,210 mi². Staff gage originally established by USGS in 1889, with sporadic data and various locations. Water stage recorder in use since Oct. 1933 at several locations also. Gage site in continuous use since then.

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.

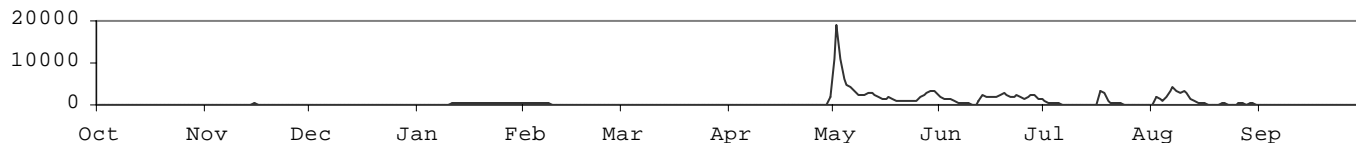
REMARKS.--Record is complete and reliable except for the following periods: Oct. 1-9, 13-23, 1998 due to sand plugging orifice line; Dec. 21-30, 1998 due to ice affecting stage-discharge relationship; Jan. 15-31, Feb. 1-18, Mar. 18-31, Apr. 1-30, 1999 due to sand buildup on the orifice; Apr. 30, May 1-6, 1999 orifice destroyed by flood waters; May 16-17, 21-25, 1999 manometer did not function properly; June 6-9, 1999 orifice not making contact, orifice reset; July 7-8, 1999 inside gages reset wrong; Aug. 1-2, 1999 manometer did not function properly; Aug. 7-9, 14-16, 1999 orifice not making contact, changed orifice line. Record poor due to large number of estimated days. Station maintained and record developed by Div. II personnel.

RATING TABLE.--ARKLAJCO38 USED FROM 01-OCT-1998 TO 2-MAY-1999
 ARKLAJCO39 USED FROM 02-MAY-1999 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151	115	112	97	575	13	34	11100	1800	864	168	172
2	115	171	108	101	596	12	34	19000	1410	512	1970	108
3	106	130	104	105	563	13	35	10800	1390	586	1580	107
4	88	83	98	109	511	13	38	6290	1210	687	1010	118
5	67	84	105	104	489	15	53	4670	829	311	2020	89
6	61	80	100	94	514	23	65	4150	594	108	3410	114
7	58	80	99	90	463	28	45	3360	522	90	4340	103
8	59	80	103	89	431	61	38	2360	433	164	3410	92
9	63	81	104	92	59	122	42	2240	278	165	2760	90
10	65	80	103	100	28	98	48	2180	86	75	3320	81
11	63	79	106	397	29	91	43	2760	96	54	2930	80
12	69	76	108	517	24	106	41	2910	861	55	1270	71
13	67	73	110	574	20	168	44	2280	2280	67	977	85
14	72	71	111	576	19	192	43	2130	1740	57	587	77
15	70	556	109	486	19	74	44	1600	1940	54	478	78
16	67	157	109	485	19	43	43	1640	1910	60	376	66
17	58	136	111	509	18	37	45	1720	1950	3170	173	63
18	57	135	110	520	18	44	44	1370	2420	2640	99	71
19	54	117	106	487	18	83	42	1120	2870	1080	151	74
20	52	119	100	558	17	152	42	802	2250	614	225	74
21	53	109	107	525	16	74	38	724	1980	474	452	65
22	49	105	120	534	15	49	37	724	2140	462	329	71
23	47	110	123	520	15	36	47	724	2210	496	221	72
24	58	116	118	522	16	41	42	716	2060	216	206	75
25	60	119	120	543	15	36	52	732	1490	131	220	79
26	55	117	123	554	14	32	40	1910	1850	91	257	80
27	56	114	123	554	14	31	31	2350	2170	78	242	76
28	56	118	120	522	14	30	34	3000	2310	67	235	75
29	58	113	115	502	---	28	134	3400	1500	55	269	81
30	65	116	107	514	---	30	2110	3260	1340	55	314	87
31	78	---	97	531	---	31	---	2590	---	75	199	---
TOTAL	2097	3640	3389	11911	4549	1806	3428	104612	45919	13613	34198	2574
MEAN	67.6	121	109	384	162	58.3	114	3375	1531	439	1103	85.8
AC-FT	4160	7220	6720	23630	9020	3580	6800	207500	91080	27000	67830	5110
MAX	151	556	123	576	596	192	2110	19000	2870	3170	4340	172
MIN	47	71	97	89	14	12	31	716	86	54	99	63

CAL YR 1998 TOTAL 107284 MEAN 294 MAX 2780 MIN 34 AC-FT 212800
 WTR YR 1999 TOTAL 231736 MEAN 635 MAX 19000 MIN 12 AC-FT 459600
 MAX DISCH 30000 CFS AT 0900 02-MAY-1999 GH 15.55 FT. SHIFT 0.00 FT. MAX GH 15.55 FT. AT 0900 02-MAY-1999
 FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



ARKANSAS RIVER BASIN

07123675 HORSE CREEK at HIGHWAY 194 nr LAS ANIMAS, CO(1998)

LOCATION.--Lat 38°05'06", long 103°21'12", in SE1/4,SW1/4, sec. 33, T.22S., R.53 W., Bent County, Hydrological Unit 11020008, on right bank 15 ft upstream from right end of box culverts on State Highway 194, 3.2 mi upstream from mouth, 3.4 mi downstream from Ft. Lyon Canal Aqueduct, and 7.5 mi west of Las Animas, Co.

DRAINAGE AREA AND PERIOD OF RECORD.--Drainage undetermined. Established and operated Oct. 19, 1979 to Sep. 30, 1993 by USGS. Operated and maintained by State of Colorado, Oct. 01, 1993 to present.

GAGE.--Graphic water stage recorder, gas purge manometer, satellite monitored data collection platform and shaft encoder in a 4'x4' steel shelter. Primary record is satellite monitored data with chart backup. Primary reference gage is outside staff gage on left side of channel 150 ft upstream from gage shelter. A tornado destroyed the station on Oct. 11, 1997. The station was reinstalled on Jan. 14, 1998. Chart recorder installed Feb. 17, 1998.

REMARKS.--Record is not complete nor reliable. Partial year record only. Record is complete and reliable for Oct. 1-10, 1997 and after gage reinstalled on Jan. 14, 1998 except for the following periods: Jan. 29-31; Feb. 1-10, 1998 when satellite data were missing and no chart backup; Mar. 1-12; Aug. 22-24, 1998 when satellite data missing for part of the day and chart recorder clock had stopped. Record poor. Station maintained and record developed by Div. II Personnel.

RATING TABLE.--HRC194CO04 USED FROM 01-OCT-1997 TO 30-SEP-1998

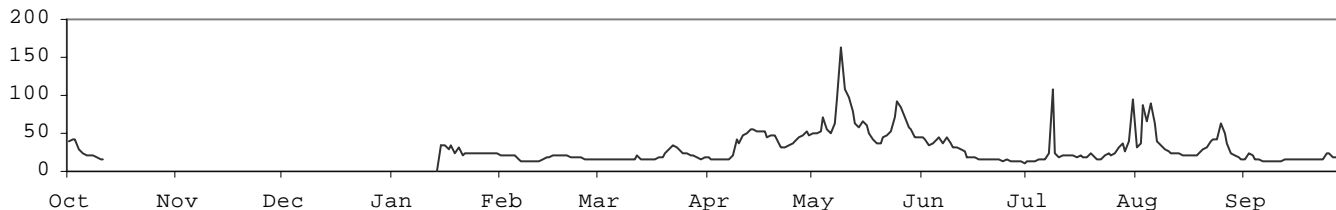
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	---	---	---	22	15	18	49	44	12	32	16
2	42	---	---	---	22	15	17	49	42	14	36	25
3	42	---	---	---	22	15	16	53	35	14	86	21
4	30	---	---	---	21	15	16	71	38	15	67	17
5	23	---	---	---	21	16	16	56	42	15	90	15
6	21	---	---	---	16	16	16	49	45	15	64	14
7	20	---	---	---	14	16	16	62	37	23	40	14
8	21	---	---	---	13	16	21	94	45	107	34	13
9	19	---	---	---	14	16	41	164	37	25	30	13
10	17	---	---	---	14	16	37	108	31	19	27	12
11	17	---	---	---	14	16	47	98	32	21	25	13
12	---	---	---	---	14	21	50	79	30	21	24	15
13	---	---	---	---	17	16	55	62	26	22	24	16
14	---	---	---	0.0	19	15	54	59	19	21	22	17
15	---	---	---	33	19	15	52	65	19	19	20	16
16	---	---	---	33	21	16	52	60	18	20	20	17
17	---	---	---	28	22	16	53	50	17	19	22	16
18	---	---	---	35	21	18	45	43	15	19	22	16
19	---	---	---	23	20	18	47	38	16	23	25	17
20	---	---	---	31	20	24	48	37	15	19	28	15
21	---	---	---	22	19	28	36	44	15	15	31	15
22	---	---	---	25	19	33	31	47	15	16	39	15
23	---	---	---	24	18	31	32	53	15	22	41	16
24	---	---	---	23	18	29	33	70	14	25	42	24
25	---	---	---	25	17	25	36	92	15	21	62	25
26	---	---	---	23	16	23	40	84	14	24	50	19
27	---	---	---	23	16	22	46	70	13	31	36	19
28	---	---	---	23	15	20	47	59	13	37	23	21
29	---	---	---	25	---	19	52	55	13	26	20	22
30	---	---	---	24	---	17	47	45	11	39	19	18
31	---	---	---	24	---	18	---	44	---	94	17	---
TOTAL					504	596	1117	2009	741	813	1118	512
MEAN					18.0	19.2	37.2	64.8	24.7	26.2	36.1	17.1
AC-FT					1000	1180	2220	3980	1470	1610	2220	1020
MAX					22	33	55	164	45	107	90	25
MIN					13	15	16	37	11	12	17	12

PARTIAL YEAR RECORD ONLY

MAX DISCH 232 CFS AT 0545 08-JUL-1998 GH 3.98 FT. SHIFT 0.26 FT. MAX GH 3.98 FT. AT 0545 08-JUL-1998

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



ARKANSAS RIVER BASIN

07123675 HORSE CREEK at HIGHWAY 194 nr LAS ANIMAS, CO(1999)

LOCATION.--Lat 38°05'06", long 103°21'12", in SE1/4,SW1/4, sec. 33, T.22S., R.53 W., Bent County, Hydrological Unit 11020008, on right bank 15 ft upstream from right end of box culverts on State Highway 194, 3.2 mi upstream from mouth, 3.4 mi downstream from Ft. Lyon Canal Aqueduct, and 7.5 mi west of Las Animas, Co.

DRAINAGE AREA AND PERIOD OF RECORD.--Drainage undetermined. Established and operated Oct. 19, 1979 to Sep. 30, 1993 by USGS. Operated and maintained by State of Colorado, Oct. 01, 1993 to present.

GAGE.--Graphic water-stage recorder, gas-purge manometer, satellite monitored data collection platform and shaft encoder in a 4'x4' steel shelter. Primary record is satellite system with the chart recorder as backup. Primary reference gage is outside staff gage on left side of channel 150 ft upstream from gage shelter.

REMARKS.--Record is complete and reliable for the entire water year, except for the following periods: Oct. 1-7, 1998 when clock on recorder stopped and Dec. 21-25, 1998 when there appeared to be an ice effect on the manometer and the stage-discharge relationship. Record is fair. Record developed and station maintained by Div. II Personnel.

RATING TABLE.--HRC194CO04 USED FROM 01-OCT-1998 TO 30-SEP-1999

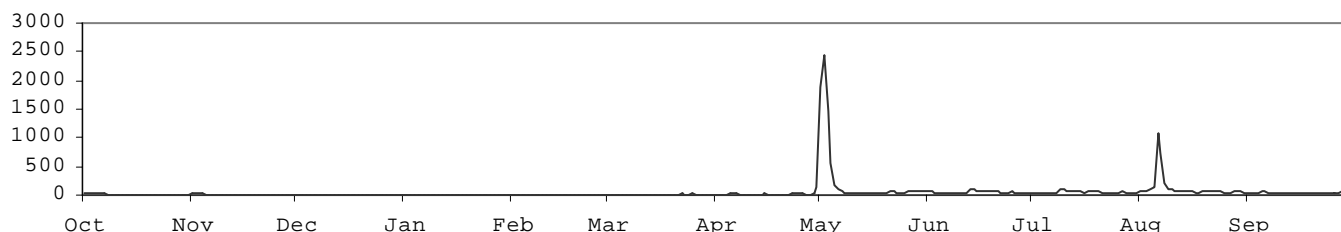
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	24	14	15	15	15	14	1890	59	47	58	39
2	32	26	14	15	14	13	14	2440	57	51	58	39
3	22	20	14	14	14	12	15	1480	37	52	70	38
4	20	18	13	13	13	12	15	574	36	47	103	43
5	19	17	13	14	13	12	24	191	34	42	127	55
6	18	16	13	14	13	11	27	103	34	40	1080	54
7	18	16	14	14	13	12	19	63	40	40	733	39
8	17	16	13	13	13	12	17	49	42	51	195	37
9	17	16	13	13	13	11	15	42	32	114	120	34
10	16	16	14	13	13	11	14	40	31	95	91	32
11	16	15	13	14	12	11	15	39	31	85	78	30
12	15	16	13	14	12	12	13	39	50	72	73	26
13	15	16	14	13	12	15	15	39	108	59	68	26
14	15	16	14	13	13	16	16	36	98	53	63	25
15	15	16	14	13	12	15	23	35	81	54	62	24
16	15	16	14	13	12	16	16	34	77	47	58	26
17	14	16	14	13	12	14	14	38	72	65	51	25
18	14	15	14	12	12	13	15	38	73	83	49	27
19	14	13	13	13	12	14	14	36	76	64	54	24
20	14	13	13	13	11	15	13	44	60	62	53	25
21	14	13	12	13	11	15	14	65	60	46	56	24
22	14	14	12	13	12	18	17	60	51	41	71	26
23	14	15	10	12	11	15	19	52	49	41	71	27
24	13	14	10	13	12	17	19	44	52	37	63	24
25	13	14	10	13	11	18	32	52	53	36	48	28
26	14	14	9.1	12	12	16	29	68	42	38	41	39
27	14	14	10	12	11	15	17	66	42	56	43	44
28	14	14	11	12	11	14	15	71	39	44	54	56
29	14	14	12	12	---	14	30	63	36	34	59	58
30	14	14	14	13	---	15	143	65	42	32	53	58
31	17	---	15	16	---	14	---	60	---	50	44	---
TOTAL	514	477	396.1	410	345	433	663	7916	1594	1678	3847	1052
MEAN	16.6	15.9	12.8	13.2	12.3	14.0	22.1	255	53.1	54.1	124	35.1
AC-FT	1020	946	786	813	684	859	1320	15700	3160	3330	7630	2090
MAX	33	26	15	16	15	18	143	2440	108	114	1080	58
MIN	13	13	9.1	12	11	11	13	34	31	32	41	24

CAL YR 1998 TOTAL 9241.1 MEAN 25.3 MAX 164 MIN 0.00 AC-FT 18330
WTR YR 1999 TOTAL 19325.1 MEAN 52.9 MAX 2440 MIN 9.1 AC-FT 38330

MAX DISCH 3500 CFS AT 1800 01-MAY-1999 GH 8.75 FT. SHIFT 0.00 FT. MAX GH 8.75 FT. AT 1800 01-MAY-1999

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: Dec. 8-10, 1998 when a tree limb and trash buildup in the channel affected the stage discharge relationship. Record good, except for estimated days, which are poor. Station maintained and record developed Anthony Gutierrez.

RATING TABLE.--PURTRICO23 USED FROM 01-OCT-1998 TO 30-SEP-1999

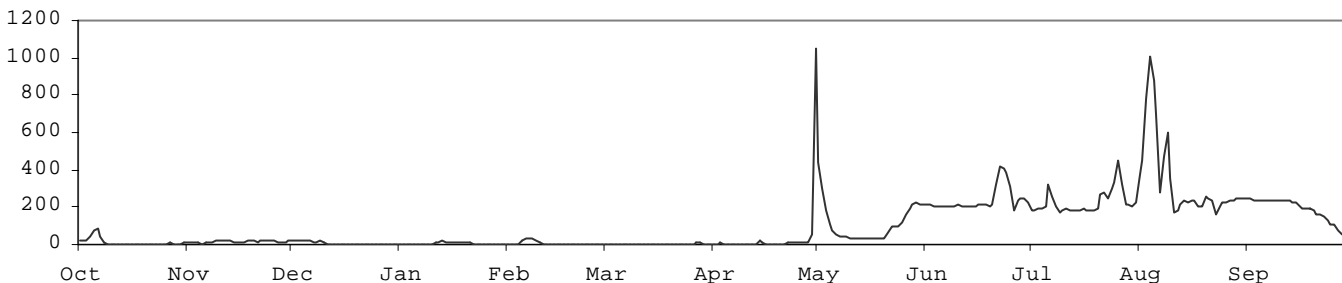
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	10	24	1.9	2.1	2.1	1.9	440	210	180	370	242
2	22	9.1	21	2.0	1.8	2.4	3.8	298	211	184	446	242
3	20	7.4	22	1.2	1.9	3.1	6.1	184	204	190	779	238
4	39	5.9	18	1.3	1.8	2.7	4.5	111	199	189	1010	237
5	72	5.0	18	1.8	2.1	2.3	4.2	74	200	206	883	239
6	91	9.6	18	1.6	3.4	2.7	3.6	56	202	323	699	237
7	48	14	16	1.7	3.2	3.1	3.8	47	199	262	279	233
8	11	14	15	1.5	2.7	3.0	2.9	41	199	202	472	234
9	3.7	18	26	2.0	2.6	2.6	2.6	38	199	175	601	235
10	3.0	21	12	1.2	1.4	2.4	2.5	36	210	185	356	237
11	2.6	18	4.6	1.0	2.8	2.4	2.4	35	207	189	169	236
12	2.7	19	4.7	1.5	2.2	2.7	2.4	33	205	185	177	237
13	3.3	18	3.8	1.7	2.1	3.2	4.5	31	202	178	213	233
14	3.4	16	4.6	1.4	2.2	3.0	2.1	30	202	180	232	230
15	4.4	14	3.4	1.3	2.2	2.5	1.1	30	204	183	230	221
16	4.0	16	3.2	1.5	2.1	2.3	4.8	29	209	196	233	206
17	4.0	16	2.7	1.5	2.0	2.3	4.2	29	215	185	233	195
18	4.5	21	3.2	1.6	2.1	3.0	3.9	34	212	182	206	194
19	4.0	17	2.4	1.5	2.0	3.6	3.9	34	203	179	205	188
20	3.8	18	2.8	1.5	2.0	2.8	3.9	34	210	191	259	178
21	3.9	16	2.1	9.3	1.9	2.3	4.4	66	319	273	245	165
22	3.9	17	2.1	3.2	2.0	2.4	5.7	93	416	275	238	157
23	3.6	17	1.6	2.4	2.0	2.3	1.1	100	409	251	162	146
24	3.4	19	1.5	2.4	2.2	2.5	1.0	97	381	304	200	125
25	3.3	17	1.6	2.6	2.2	3.0	1.2	118	312	332	224	106
26	5.2	17	1.6	2.5	2.2	2.4	8.8	158	184	454	226	106
27	5.4	16	1.3	2.4	2.1	1.6	8.2	198	235	324	233	75
28	4.3	16	1.5	2.9	2.1	1.6	8.4	209	251	213	238	57
29	4.4	15	1.6	2.4	---	2.3	5.1	220	250	212	245	56
30	4.5	17	1.5	2.4	---	2.0	1050	218	220	208	249	69
31	11	---	1.8	2.1	---	1.9	---	213	---	230	242	---
TOTAL	425.3	454.0	243.6	195.8	200.0	107.3	1267.4	3334	7079	7020	10554	5554
MEAN	13.7	15.1	7.86	6.32	7.14	3.46	42.2	108	236	226	340	185
AC-FT	844	901	483	388	397	213	2510	6610	14040	13920	20930	11020
MAX	91	21	26	17	34	16	1050	440	416	454	1010	242
MIN	2.6	5.0	1.3	1.2	1.8	1.9	1.9	29	184	175	162	56

CAL YR 1998 TOTAL 26269.6 MEAN 72.0 MAX 434 MIN 1.3 AC-FT 52110
WTR YR 1999 TOTAL 36434.4 MEAN 99.8 MAX 1050 MIN 1.2 AC-FT 72270

MAX DISCH 2332 CFS AT 1545 30-APR-1999 GH 4.56 FT. SHIFT 0.00 FT. MAX GH 5.03 FT. AT 0200 06-AUG-1999

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



ARKANSAS RIVER BASIN

07126500 PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE, CO (RIVER ONLY)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County, Hydrologic Unit 11020010, on left bank at Ninemile Dam, 4 mi southwest of Higbee, and 5.5 mi upstream from Smith Canyon. Prior to Apr. 21, 1978 gage located 850 ft, upstream.

DRAINAGE AREA.--2,752 mi².

GAGE.--Water-stage recorder with satellite telemetry in 4'x4' steel shelter.

REMARKS.--Record complete and reliable except for Dec. 30-31, 1998; Jan. 1-11, 1999 when the stage-discharge relationship was ice affected; Aug. 5-7, 1999 due to high water event; Aug. 8-Sep. 28, 1999 when manometer failed, orifice line was plugged and replacement manometer had leaks. 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 Anthony Gutierrez.

RATING TABLE.--PURNINCO16 USED FROM 01-OCT-1998 TO 5-OCT-1998
 PURNINCO17 USED FROM 06-OCT-1998 TO 30-SEP-1999

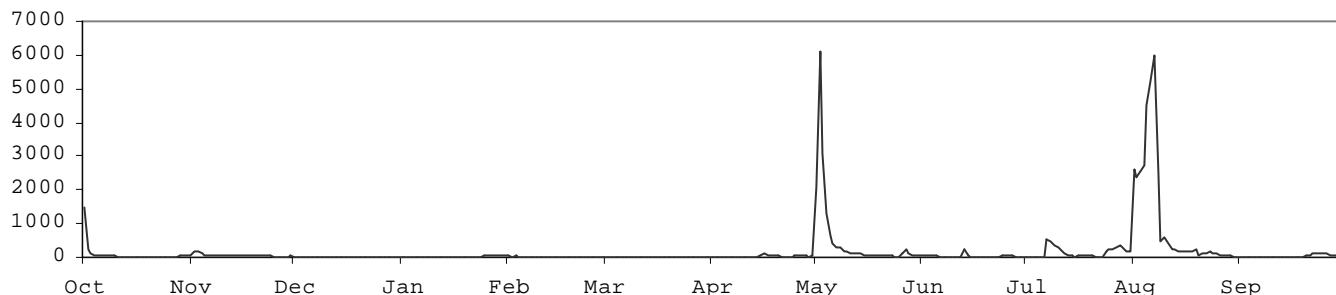
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1480	87	28	10	33	7.3	11	2060	50	22	2620	15
2	232	164	28	10	29	6.5	10	6110	40	19	2390	14
3	104	159	28	14	32	6.7	12	3070	34	10	2560	13
4	52	130	29	16	24	6.4	12	1330	30	6.1	2750	13
5	49	73	29	25	20	6.5	16	647	30	3.6	4500	12
6	40	53	27	16	20	6.6	26	386	26	4.5	5200	13
7	54	47	27	19	20	7.9	27	322	23	535	6000	13
8	54	38	28	16	19	8.9	23	272	11	460	2500	11
9	38	34	28	14	16	9.3	19	203	7.6	334	480	11
10	31	43	27	21	14	9.3	16	154	6.2	309	585	11
11	28	53	25	25	14	8.8	14	136	5.6	244	392	11
12	25	61	23	24	16	8.2	13	125	18	119	223	11
13	22	56	21	22	19	11	11	120	240	72	214	13
14	22	48	25	26	17	9.7	14	107	59	32	203	14
15	20	48	22	22	16	11	53	86	19	26	201	13
16	18	45	21	16	15	12	108	74	13	65	185	14
17	19	38	24	21	15	11	62	62	8.3	51	187	14
18	20	40	23	20	18	11	48	58	8.7	66	192	15
19	17	36	20	15	13	12	38	51	8.8	69	242	20
20	17	34	14	14	11	12	30	47	10	42	56	36
21	19	35	17	12	10	13	20	40	9.1	22	96	73
22	19	36	20	14	10	13	17	50	8.5	14	145	96
23	19	32	24	14	11	13	16	44	22	23	187	119
24	19	32	17	22	9.6	14	15	26	71	176	132	119
25	19	29	15	37	7.6	12	44	28	59	221	96	132
26	19	28	17	35	7.6	12	57	94	61	226	64	119
27	19	28	19	34	7.6	12	47	217	59	297	56	64
28	22	28	23	34	7.6	12	38	108	14	379	38	40
29	32	27	22	34	---	12	29	85	10	310	32	35
30	31	30	16	36	---	12	54	55	21	182	22	32
31	30	---	12	36	---	12	---	45	---	182	17	---
TOTAL	2590	1592	699	674	452.0	319.1	900	16212	982.8	4521.2	32565	1116
MEAN	83.5	53.1	22.5	21.7	16.1	10.3	30.0	523	32.8	146	1050	37.2
AC-FT	5140	3160	1390	1340	897	633	1790	32160	1950	8970	64590	2210
MAX	1480	164	29	37	33	14	108	6110	240	535	6000	132
MIN	17	27	12	10	7.6	6.4	10	26	5.6	3.6	17	11

CAL YR 1998 TOTAL 27667.0 MEAN 75.8 MAX 1480 MIN 0.00 AC-FT 54880
 WTR YR 1999 TOTAL 62623.1 MEAN 172 MAX 6110 MIN 3.6 AC-FT 124200

MAX DISCH 11411 CFS AT 2315 07-AUG-1999 GH 7.49 FT. SHIFT -0.02 FT. MAX GH 7.49 FT. AT 2315 07-AUG-1999

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 and reliable except for: Dec. 12-29, 1998 when satellite monitored data were missing and backup recorder was not operating due to stopped clock. Record is considered fair due to submergence conditions, except during periods of estimated flows, which is poor. Station maintained and record developed by Anthony Gutierrez.

RATING TABLE.--STD06FTPF USED FROM 01-OCT-1998 TO 30-SEP-1999

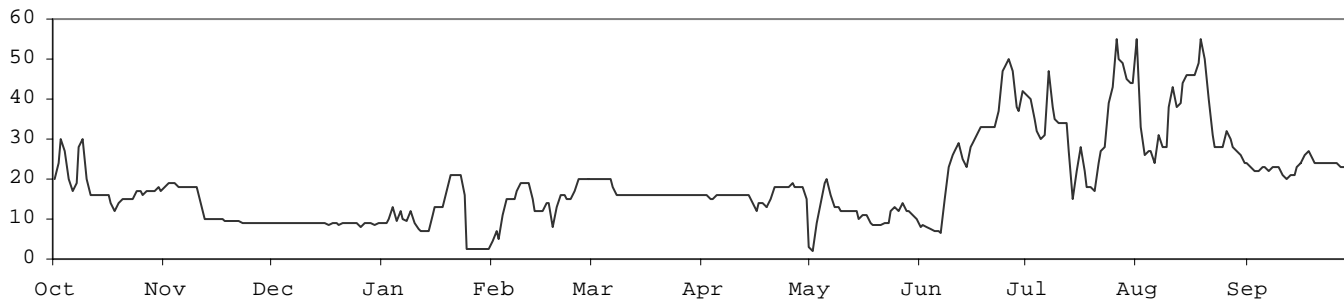
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	18	9.2	8.9	4.7	20	16	2.9	8.0	41	55	24
2	24	19	9.2	9.0	6.8	20	16	2.2	8.3	40	33	23
3	30	19	9.2	10	4.9	20	15	9.2	7.9	35	26	22
4	27	19	9.1	13	11	20	15	14	7.5	32	27	22
5	20	18	9.0	9.3	15	20	16	19	7.2	30	27	23
6	17	18	9.0	12	15	20	16	20	7.2	31	24	23
7	19	18	9.0	10	15	18	16	16	6.7	47	31	22
8	28	18	9.0	9.4	17	16	16	13	15	38	28	23
9	30	18	9.0	12	19	16	16	13	23	35	28	23
10	20	18	9.0	8.9	19	16	16	12	26	34	38	23
11	16	14	9.0	7.7	19	16	16	12	27	34	43	21
12	16	9.8	9.0	7.2	15	16	16	12	29	34	38	20
13	16	9.8	9.0	7.2	12	16	16	12	25	27	39	21
14	16	9.8	9.0	7.2	12	16	16	12	23	15	44	21
15	16	9.8	9.0	11	12	16	14	10	28	22	46	23
16	16	9.8	9.0	13	14	16	12	11	29	28	46	24
17	14	9.8	8.7	13	14	16	14	11	31	22	46	26
18	12	9.5	9.0	13	8.2	16	14	8.8	33	18	49	27
19	14	9.5	9.0	17	13	16	13	8.6	33	18	55	25
20	15	9.5	8.7	21	16	16	15	8.6	33	17	50	24
21	15	9.5	9.0	21	16	16	18	8.5	33	24	40	24
22	15	9.4	9.0	21	15	16	18	9.0	33	27	31	24
23	15	9.2	9.0	21	15	16	18	9.2	37	28	28	24
24	17	9.2	9.0	16	17	16	18	12	47	39	28	24
25	17	9.2	9.0	2.6	20	16	18	13	48	43	28	24
26	16	9.2	8.2	2.6	20	16	19	12	50	55	32	24
27	17	9.2	9.0	2.6	20	16	18	14	47	50	30	23
28	17	9.2	9.0	2.5	20	16	18	12	38	49	28	23
29	17	9.2	9.0	2.5	---	16	18	12	37	45	27	23
30	18	9.2	8.6	2.5	---	16	15	11	42	44	26	22
31	17	---	8.9	2.5	---	16	---	9.8	---	44	24	---
TOTAL	567	376.8	277.8	316.6	405.6	522	482	349.8	819.8	1046	1095	695
MEAN	18.3	12.6	8.96	10.2	14.5	16.8	16.1	11.3	27.3	33.7	35.3	23.2
AC-FT	1120	747	551	628	805	1040	956	694	1630	2070	2170	1380
MAX	30	19	9.2	21	20	20	19	20	50	55	55	27
MIN	12	9.2	8.2	2.5	4.7	16	12	2.2	6.7	15	24	20

CAL YR 1998 TOTAL 4643.02 MEAN 12.7 MAX 51 MIN 0.20 AC-FT 9210
WTR YR 1999 TOTAL 6953.4 MEAN 19.1 MAX 55 MIN 2.2 AC-FT 13790

MAX DISCH 74 CFS AT 0530 01-AUG-1999 GH 2.56 FT. SHIFT -0.53 FT. MAX GH 2.67 FT. AT 0430 07-JUL-1999

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.

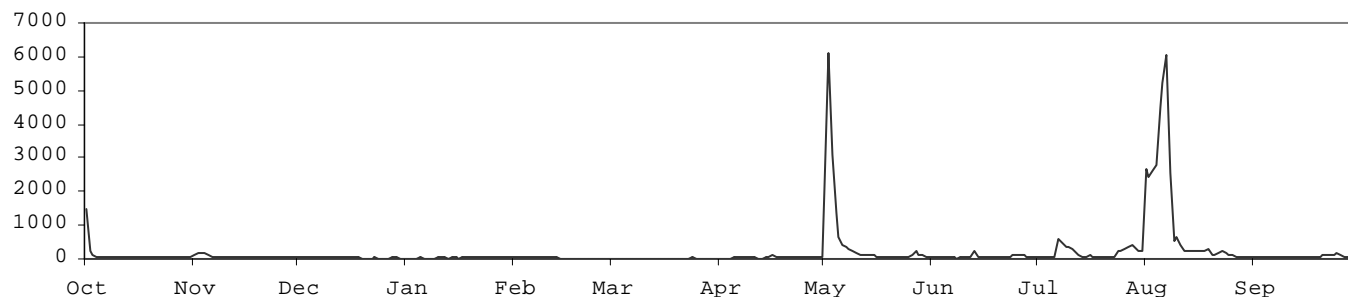
GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,240.59 ft above National Geodetic Vertical Datum of 1929.

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 11,440 cfs on Aug. 7, 1999. Combined record is fair, except during periods of estimated flow, during periods of flow over 2000 cfs, and during periods of ice effect which should be considered poor. Station maintained and record developed by Div. II personnel.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1500	105	37	19	38	27	27	2060	58	63	2680	39
2	256	183	37	19	36	26	26	6110	48	59	2420	37
3	134	178	37	24	37	27	27	3080	42	45	2590	35
4	79	149	38	29	35	26	27	1340	38	38	2780	35
5	69	91	38	34	35	26	32	666	37	34	4530	35
6	57	71	36	28	35	27	42	406	33	36	5220	36
7	73	65	36	29	35	26	43	338	30	582	6030	35
8	82	56	37	25	36	25	39	285	26	498	2530	34
9	68	52	37	26	35	25	35	216	31	369	508	34
10	51	61	36	30	33	25	32	166	32	343	623	34
11	44	67	34	33	33	25	30	148	33	278	435	32
12	41	71	32	31	31	24	29	137	47	153	261	31
13	38	66	30	29	31	27	27	132	265	99	253	34
14	38	58	34	33	29	26	30	119	82	47	247	35
15	36	58	31	33	28	27	67	96	47	48	247	36
16	34	55	30	29	29	28	120	85	42	93	231	38
17	33	48	33	34	29	27	76	73	39	73	233	40
18	32	50	32	33	26	27	62	67	42	84	241	42
19	31	46	29	32	26	28	51	60	42	87	297	45
20	32	44	23	35	27	28	45	56	43	59	106	60
21	34	44	26	33	26	29	38	48	42	46	136	97
22	34	45	29	35	25	29	35	59	42	41	176	120
23	34	41	33	35	26	29	34	53	59	51	215	143
24	36	41	26	38	27	30	33	38	118	215	160	143
25	36	38	24	40	28	28	62	41	107	264	124	156
26	35	37	25	38	28	28	76	106	111	281	96	143
27	36	37	28	37	28	28	65	231	106	347	86	87
28	39	37	32	36	28	28	56	120	52	428	66	63
29	49	36	31	36	---	28	47	97	47	355	59	58
30	49	39	25	38	---	28	69	66	63	226	48	54
31	47	---	21	38	---	28	---	55	---	226	41	---
TOTAL	3157	1969	977	989	860	840	1382	16554	1804	5568	33669	1811
MEAN	102	65.6	31.5	31.9	30.7	27.1	46.1	534	60.1	180	1086	60.4
AC-FT	6260	3910	1940	1960	1710	1670	2740	32830	3580	11040	66780	3590
MAX	1500	183	38	40	38	30	120	6110	265	582	6030	156
MIN	31	36	21	19	25	24	26	38	26	34	41	31
CAL YR 1998 TOTAL		32297.3	MEAN	88.5	MAX	1500	MIN	4.2	AC-FT	64060		
WTR YR 1999 TOTAL		69580	MEAN	191	MAX	6110	MIN	19	AC-FT	138000		

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 27-28; June 3-6, 1999 when the stilling well was frozen. Record good, except for periods of missing record, which is poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

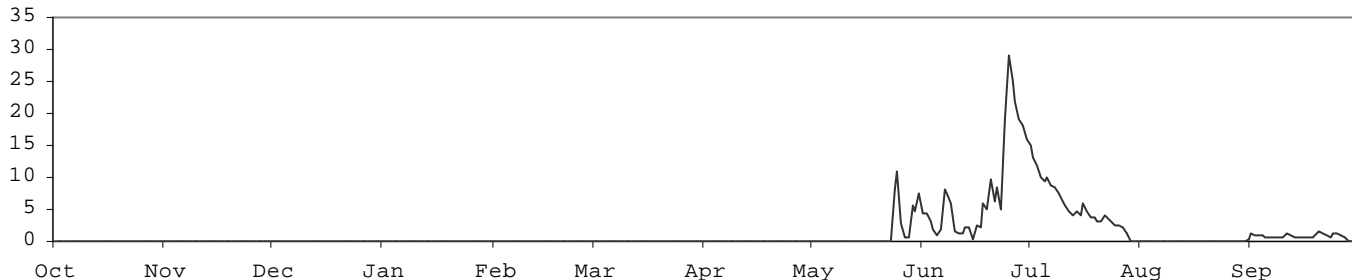
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	4.4	15	0.0	1.1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	13	0.0	0.97
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	12	0.0	0.89
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10	0.0	0.83
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	9.5	0.0	0.78
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10	0.0	0.71
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	8.9	0.0	0.63
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	8.3	0.0	0.57
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	7.4	0.0	0.50
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.2	0.0	0.55
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	5.5	0.0	1.1
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	4.8	0.0	0.85
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.1	0.0	0.65
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.6	0.0	0.52
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	4.2	0.0	0.64
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.0	0.0	0.74
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.6	0.0	0.78
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	3.6	0.0	0.77
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	3.7	0.0	0.88
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	3.0	0.0	1.6
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	3.1	0.0	1.1
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	4.2	0.0	0.84
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	3.5	0.0	0.77
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	19	2.9	0.0	1.3
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	29	2.6	0.0	1.1
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	25	2.5	0.0	0.79
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	22	2.2	0.0	0.73
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	19	1.1	0.0	0.14
29	0.0	0.0	0.0	0.0	---	0.0	0.0	5.5	18	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	4.8	16	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	7.4	---	0.0	0.46	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.40	240.00	166.5	0.46	22.84
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	8.00	5.37	0.01	0.76
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80	476	330	0.92	45
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	29	15	0.46	1.6
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0

CAL YR 1998 TOTAL 840.81 MEAN 2.30 MAX 30 MIN 0.00 AC-FT 1670
WTR YR 1999 TOTAL 470.21 MEAN 1.29 MAX 29 MIN 0.00 AC-FT 933

MAX DISCH 54 CFS AT 1715 24-JUN-1999 GH 1.63 FT. SHIFT 0.03 FT. MAX GH 1.63 FT. AT 1715 24-JUN-1999

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: May 10-12, 15-19, 28, 1999 when stage-discharge relationship ice affected; May 9-19, 1999 shaft encoder data unusable due to leaking float and shaft encoder malfunction. Chart data used during this period. Record fair. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

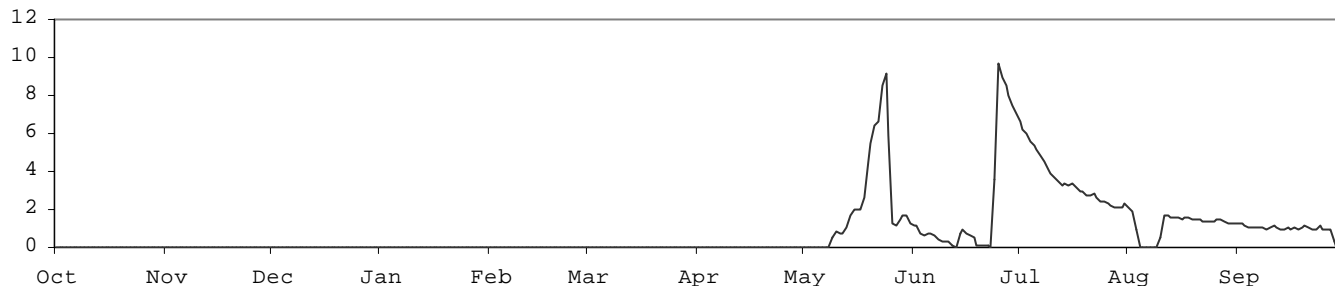
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	1.2	6.6	2.1	1.3
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	6.2	1.9	1.3
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.74	6.0	0.93	1.2
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	5.6	0.0	1.1
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77	5.4	0.0	1.1
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	5.2	0.0	1.1
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	4.8	0.0	1.1
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	4.5	0.0	1.1
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.36	4.1	0.0	1.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	0.33	3.9	0.49	1.1
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.72	0.27	3.7	1.7	1.2
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.72	0.15	3.5	1.7	1.1
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	3.3	1.6	1.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.70	3.4	1.6	1.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.90	3.3	1.6	1.1
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.69	3.4	1.5	1.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.66	3.2	1.6	1.1
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.48	3.0	1.6	1.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.13	2.9	1.5	1.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.09	2.7	1.5	1.2
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.15	2.7	1.5	1.1
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.11	2.8	1.4	0.99
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	2.6	1.4	0.97
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	3.6	2.4	1.4	1.2
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	9.7	2.4	1.4	1.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	9.0	2.3	1.5	0.96
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	8.5	2.2	1.5	0.94
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	8.0	2.1	1.4	0.36
29	0.0	0.0	0.0	0.0	---	0.0	0.0	1.7	7.5	2.1	1.3	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	1.7	7.1	2.1	1.3	0.0
31	0.0	---	0.0	0.0	---	0.0	---	1.3	---	2.3	1.3	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.54	64.87	110.7	36.73	29.72
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.24	2.16	3.57	1.18	0.99
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138	129	220	73	59
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	9.7	6.6	2.1	1.3
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0

CAL YR 1998 TOTAL 390.77 MEAN 1.07 MAX 8.3 MIN 0.00 AC-FT 775
WTR YR 1999 TOTAL 311.55 MEAN 0.85 MAX 9.7 MIN 0.00 AC-FT 618

MAX DISCH 14 CFS AT 1715 23-MAY-1999 GH 0.94 FT. SHIFT -0.03 FT. MAX GH 0.94 FT. AT 1715 23-MAY-1999

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-1998 TO 30-SEP-1999

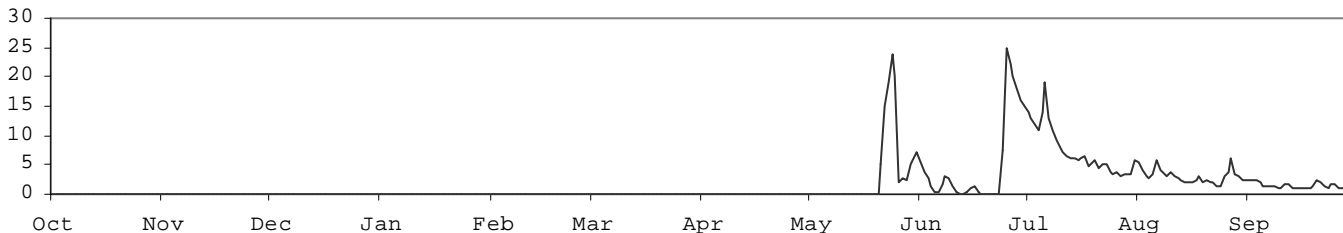
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	5.6	14	5.4	2.5
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	13	4.1	2.4
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	12	3.0	2.3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	11	2.7	1.9
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	14	3.4	1.5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	19	5.7	1.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	13	4.2	1.3
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	11	3.8	1.2
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	9.1	2.9	1.1
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	7.9	3.8	1.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	7.2	3.2	1.8
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	6.5	2.7	1.6
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	6.0	2.3	1.1
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.45	6.2	2.1	1.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.8	2.1	1.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	6.2	1.9	1.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	6.4	2.3	0.97
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	4.9	3.0	0.91
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	5.6	2.0	1.2
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	5.8	2.4	2.4
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.07	4.6	1.9	1.9
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	5.0	1.9	1.3
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.01	5.0	1.4	1.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	7.5	3.7	1.4	1.8
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	25	3.5	2.9	1.7
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	22	3.6	3.8	1.1
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	20	3.1	6.1	1.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	18	3.4	3.5	1.00
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	16	3.5	2.9	0.28
30	0.0	0.0	0.0	0.0	---	0.0	0.0	5.7	15	3.3	2.5	0.0
31	0.0	---	0.0	0.0	---	0.0	---	7.1	---	5.8	2.3	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108.2	150.36	229.1	93.6	40.76
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.49	5.01	7.39	3.02	1.36
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	215	298	454	186	81
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	25	19	6.1	2.5
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	1.4	0.0

CAL YR 1998 TOTAL 1046.10 MEAN 2.87 MAX 29 MIN 0.00 AC-FT 2070
WTR YR 1999 TOTAL 622.02 MEAN 1.70 MAX 25 MIN 0.00 AC-FT 1230

MAX DISCH 47 CFS AT 2315 05-JUL-1999 GH 1.49 FT. SHIFT 0.04 FT. MAX GH 1.49 FT. AT 2315 05-JUL-1999

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 except for the following periods: May 25, 28; June 1-5, 1999 due to ice affect; June 10-11, 1999 due to clock being installed in correctly; Aug. 7-10, 1999 due to clock stoppage. Record fair, except for estimated days, which are poor. Station maintained and record developed by L.R. Schultz.

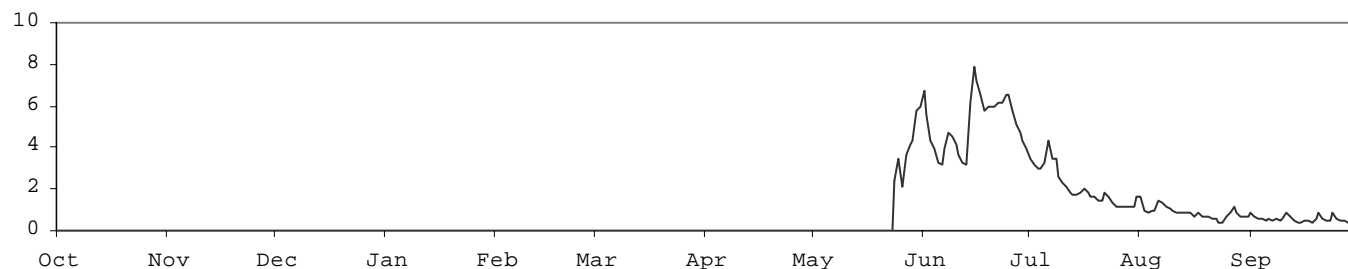
RATING TABLE.--WUREXD001 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
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	6.7	3.5	1.6	0.82
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	3.2	1.0	0.71
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	3.0	0.82	0.61
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.0	0.93	0.61
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	1.0	0.52
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.3	1.4	0.61
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.5	1.3	0.52
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	3.5	1.2	0.61
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	2.6	1.1	0.52
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.3	0.95	0.61
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	2.1	0.82	0.82
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	1.8	0.82	0.71
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.7	0.82	0.52
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	1.7	0.82	0.43
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	1.8	0.82	0.43
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	2.0	0.71	0.52
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	1.8	0.82	0.52
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	1.6	0.71	0.43
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.6	0.71	0.61
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.4	0.71	0.82
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.4	0.61	0.61
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	1.8	0.61	0.52
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	1.6	0.43	0.52
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.5	1.3	0.43	0.82
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	6.5	1.2	0.71	0.61
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	5.8	1.2	0.82	0.52
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	5.1	1.2	1.2	0.52
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.7	1.2	0.82	0.43
29	0.0	0.0	0.0	0.0	---	0.0	0.0	4.3	4.3	1.2	0.71	0.20
30	0.0	0.0	0.0	0.0	---	0.0	0.0	5.8	3.9	1.2	0.71	0.0
31	0.0	---	0.0	0.0	---	0.0	---	6.0	---	1.6	0.71	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.9	155.2	64.6	26.82	16.70
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.03	5.17	2.08	0.87	0.56
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	308	128	53	33
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	7.9	4.3	1.6	0.82
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.2	0.43	0.0
CAL YR 1998 TOTAL		224.35	MEAN	0.61	MAX	6.5	MIN	0.00	AC-FT	445		
WTR YR 1999 TOTAL		295.22	MEAN	0.81	MAX	7.9	MIN	0.00	AC-FT	586		

MAX DISCH 9.25 CFS AT 1900 01-JUN-1999 GH 0.55 FT. SHIFT 0.00 FT. MAX GH 0.55 FT. AT 1900 01-JUN-1999

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 L.R. Schultz.

RATING TABLE.--HOMTUNCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

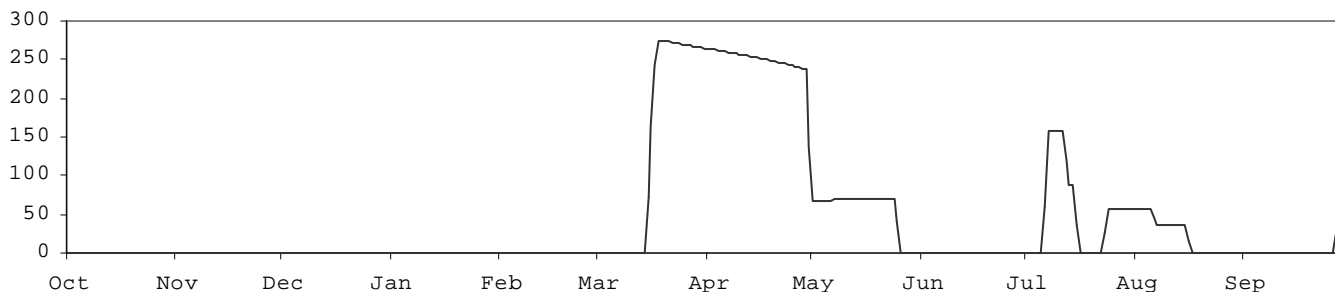
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	264	66	0.0	0.0	58	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	264	66	0.0	0.0	58	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	263	66	0.0	0.0	58	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	262	66	0.0	0.0	58	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	261	67	0.0	0.0	57	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	260	66	0.0	59	44	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	259	69	0.0	157	35	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	258	69	0.0	157	35	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	258	69	0.0	157	35	0.01
10	0.0	0.0	0.0	0.0	0.0	0.0	257	69	0.0	157	35	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	256	69	0.0	157	35	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	255	69	0.0	119	35	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	254	69	0.0	88	35	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	253	69	0.0	88	35	0.0
15	0.0	0.0	0.0	0.0	0.0	73	253	69	0.0	37	35	0.0
16	0.0	0.0	0.0	0.0	0.0	162	252	69	0.0	0.0	15	0.0
17	0.0	0.0	0.0	0.0	0.0	242	251	69	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	275	250	69	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	274	249	69	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	274	247	69	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	273	246	69	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	272	246	69	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	272	245	69	0.0	26	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	271	244	69	0.0	57	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	269	242	41	0.0	57	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	269	241	0.0	0.0	57	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	268	240	0.0	0.0	57	0.0	32
28	0.0	0.0	0.0	0.0	0.0	267	239	0.0	0.0	57	0.0	70
29	0.0	0.0	0.0	0.0	---	267	239	0.0	0.0	57	0.0	35
30	0.0	0.0	0.0	0.0	---	266	138	0.0	0.0	57	0.0	0.0
31	0.0	---	0.0	0.0	---	265	---	0.0	---	57	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	4259	7446	1680	0.0	1658	663	137.01
MEAN	0.0	0.0	0.0	0.0	0.0	137	248	54.2	0.0	53.5	21.4	4.57
AC-FT	0.0	0.0	0.0	0.0	0.0	8450	14770	3330	0.0	3290	1320	272
MAX	0.0	0.0	0.0	0.0	0.0	275	264	69	0.0	157	58	70
MIN	0.0	0.0	0.0	0.0	0.0	0.0	138	0.0	0.0	0.0	0.0	0.0

CAL YR 1998 TOTAL 12362 MEAN 33.9 MAX 274 MIN 0.00 AC-FT 24520
WTR YR 1999 TOTAL 15843.01 MEAN 43.4 MAX 275 MIN 0.00 AC-FT 31420

MAX DISCH 279 CFS AT 0515 18-MAR-1999 GH 3.01 FT. SHIFT 0.04 FT. MAX GH 3.01 FT. AT 0515 18-MAR-1999

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 L.R.Schultz.

RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

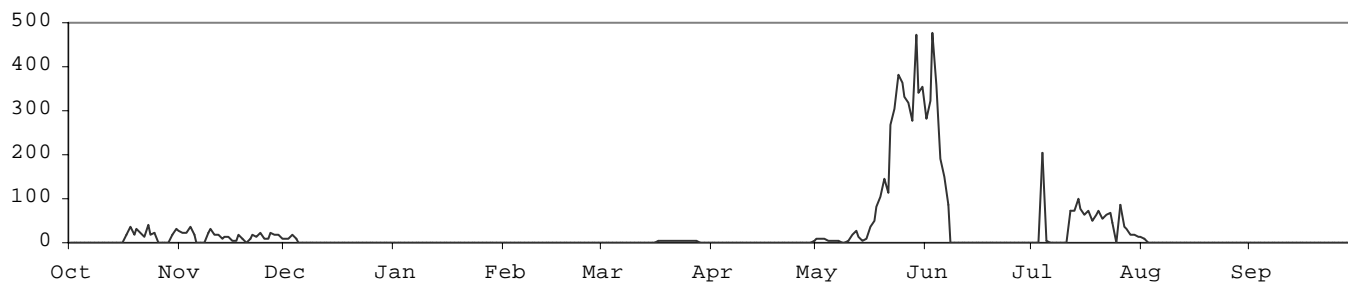
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.19	29	7.4	1.6	1.8	1.8	0.99	8.3	282	0.52	12	0.17
2	0.17	22	8.5	1.6	1.8	1.8	0.99	7.7	321	0.52	10	0.17
3	0.17	22	20	1.6	1.9	2.0	0.99	7.3	476	0.52	0.27	0.18
4	0.17	36	7.3	1.6	2.0	2.2	0.99	6.4	357	203	0.23	0.17
5	0.43	20	1.4	1.5	2.0	2.2	1.00	5.1	193	5.5	0.18	0.17
6	1.1	1.6	1.4	1.6	2.0	2.2	0.99	5.0	152	1.4	0.17	0.17
7	1.5	1.7	1.4	1.6	2.0	2.2	1.00	2.7	88	1.4	0.17	0.17
8	1.6	1.8	1.4	1.6	2.1	2.2	0.99	0.99	1.6	1.4	0.17	0.17
9	1.6	24	1.4	1.6	2.1	2.2	0.99	1.1	1.3	1.2	0.17	0.17
10	1.8	33	1.4	1.6	2.2	2.2	0.99	5.4	1.4	1.2	0.17	0.17
11	1.8	16	1.4	1.5	2.2	2.2	1.0	20	1.2	1.1	0.18	0.17
12	2.0	19	1.4	1.6	2.0	2.2	0.90	27	0.99	72	0.17	0.17
13	2.0	9.9	1.4	1.6	2.0	2.2	0.83	13	1.1	74	0.17	0.17
14	2.0	14	1.4	1.7	2.0	2.2	0.82	6.4	1.2	100	0.17	0.17
15	2.2	15	1.4	1.7	1.8	2.2	0.82	11	1.1	76	0.17	0.17
16	2.2	5.8	1.4	1.8	1.8	2.2	0.82	37	0.80	63	0.17	0.17
17	16	5.2	1.4	1.8	1.8	2.4	0.86	52	0.65	72	0.17	0.17
18	37	20	1.4	1.8	1.8	2.4	0.82	83	0.66	51	0.17	0.17
19	19	7.9	1.4	1.8	1.8	2.3	0.82	104	0.80	64	0.17	0.17
20	34	1.6	1.4	1.8	1.8	2.5	0.83	145	0.99	72	0.17	0.17
21	23	9.4	1.4	1.8	1.8	2.5	0.99	115	0.91	53	0.17	0.17
22	12	20	1.4	1.8	1.8	2.5	0.99	269	0.75	62	0.17	0.17
23	39	13	1.4	1.8	1.8	2.5	0.99	303	0.68	70	0.17	0.17
24	20	25	1.4	1.8	1.8	2.5	0.99	384	0.66	46	0.17	0.17
25	25	9.0	1.4	1.8	1.8	2.5	0.99	364	0.66	1.7	0.17	0.17
26	1.8	7.4	1.4	1.8	1.8	2.5	0.99	334	0.66	85	0.17	0.17
27	1.8	24	1.6	1.8	1.8	2.5	0.99	319	0.62	36	0.17	0.17
28	2.0	20	1.6	1.8	1.8	2.5	1.1	278	0.66	31	0.17	0.17
29	2.0	17	1.6	1.8	---	1.7	1.2	473	0.66	20	0.17	0.17
30	20	11	1.6	1.8	---	1.2	5.8	343	0.60	17	0.17	0.17
31	30	---	1.6	1.8	---	1.1	---	354	---	15	0.17	---
TOTAL	303.54	461.3	82.0	52.8	53.3	67.8	33.46	4084.39	1889.66	1298.46	27.12	5.11
MEAN	9.79	15.4	2.65	1.70	1.90	2.19	1.12	132	63.0	41.9	0.87	0.17
AC-FT	602	915	163	105	106	134	66	8100	3750	2580	54	10
MAX	39	36	20	1.8	2.2	2.5	5.8	473	476	203	12	0.18
MIN	0.17	1.6	1.4	1.5	1.8	1.1	0.82	0.99	0.60	0.52	0.17	0.17

CAL YR 1998 TOTAL 23648.08 MEAN 64.8 MAX 508 MIN 0.13 AC-FT 46910
WTR YR 1999 TOTAL 8358.93 MEAN 22.9 MAX 476 MIN 0.17 AC-FT 16580

MAX DISCH 584 CFS AT 2315 02-JUN-1999 GH 4.85 FT. SHIFT 0.00 FT. MAX GH 4.85 FT. AT 2315 02-JUN-1999

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 L.R.Schultz.

RATING TABLE--BOUTUNCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

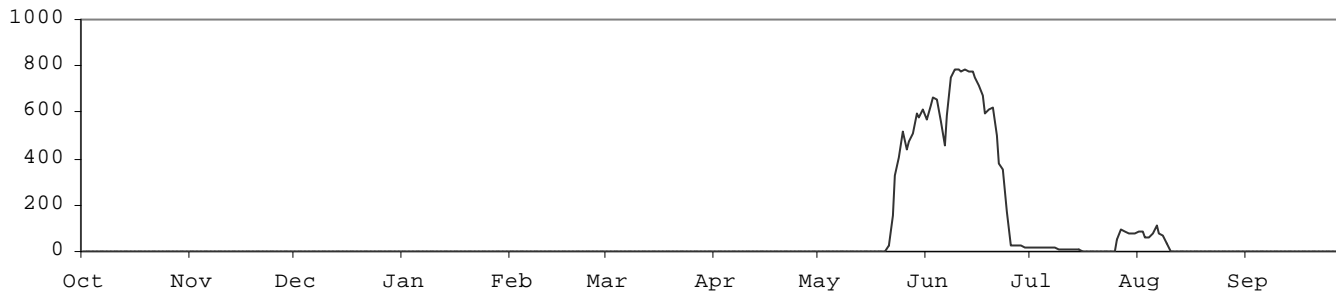
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.8	2.5	2.5	2.8	2.8	2.2	2.2	566	21	84	2.7
2	2.6	2.8	2.5	2.5	2.8	2.8	2.2	2.2	627	21	83	2.8
3	2.8	2.8	2.5	2.5	2.8	2.8	2.4	2.2	662	19	64	2.8
4	2.8	2.8	2.5	2.5	2.8	2.8	2.5	2.2	657	19	62	2.8
5	2.8	2.8	2.5	2.5	2.8	2.9	2.5	2.3	562	18	79	2.8
6	2.8	2.8	2.5	2.5	2.9	3.1	2.5	2.3	454	17	113	2.8
7	2.8	2.5	2.5	2.5	3.0	3.0	2.5	2.2	590	16	80	2.7
8	2.8	2.5	2.5	2.5	2.8	3.1	2.5	2.2	747	13	68	2.1
9	2.8	2.5	2.5	2.5	3.1	3.1	2.5	2.2	784	8.7	34	1.7
10	2.8	2.5	2.5	2.5	3.1	3.1	2.5	2.2	788	8.7	2.2	1.7
11	2.8	2.6	2.5	2.5	3.1	3.0	2.2	2.2	774	8.7	2.2	1.7
12	2.8	2.5	2.5	2.5	3.1	3.1	2.2	2.2	785	8.7	2.2	1.7
13	2.8	2.5	2.4	2.5	3.1	2.9	2.2	2.2	778	8.5	2.2	1.7
14	2.8	2.5	2.2	2.5	3.1	2.8	2.2	2.5	772	8.4	2.2	1.7
15	2.8	2.5	2.2	2.5	3.1	2.8	2.2	2.5	753	6.2	2.2	1.7
16	2.8	2.5	2.2	2.5	3.1	2.8	2.2	2.5	715	2.5	2.2	1.7
17	2.8	2.5	2.2	2.5	3.1	2.8	2.2	2.5	669	2.5	2.2	1.7
18	2.8	2.5	2.2	2.5	3.1	2.6	2.2	2.5	598	2.5	2.2	1.7
19	2.8	2.5	2.2	2.6	3.1	2.5	2.2	2.5	609	2.5	2.2	1.8
20	2.8	2.5	2.2	2.8	3.1	2.5	2.2	2.8	622	2.5	2.2	1.9
21	2.8	2.5	2.2	2.8	3.1	2.5	2.2	25	498	2.5	2.2	1.9
22	2.8	2.5	2.2	2.8	3.1	2.5	2.2	153	380	2.5	2.2	1.9
23	2.8	2.5	2.2	2.8	3.0	2.5	2.2	324	351	2.6	2.4	1.9
24	2.8	2.5	2.2	2.8	3.1	2.5	2.2	407	170	2.5	2.5	2.1
25	2.8	2.5	2.2	2.8	3.1	2.4	2.2	514	25	2.5	2.5	2.2
26	2.8	2.5	2.2	2.8	3.1	2.2	2.2	442	24	51	2.7	2.4
27	2.8	2.5	2.2	2.8	2.9	2.2	2.2	477	23	94	2.5	2.6
28	2.8	2.5	2.2	2.8	2.8	2.2	2.2	506	22	86	2.5	2.8
29	2.8	2.5	2.2	2.8	---	2.2	2.2	597	21	78	2.5	2.9
30	2.8	2.5	2.3	2.8	---	2.2	2.2	576	21	74	2.5	3.1
31	2.8	---	2.5	2.8	---	2.2	---	611	---	78	2.5	---
TOTAL	86.3	76.9	72.4	81.2	84.1	82.9	68.3	4678.6	15047	688.0	718.2	66.0
MEAN	2.78	2.56	2.34	2.62	3.00	2.67	2.28	151	502	22.2	23.2	2.20
AC-FT	171	153	144	161	167	164	135	9280	29850	1360	1420	131
MAX	2.8	2.8	2.5	2.8	3.1	3.1	2.5	611	788	94	113	3.1
MIN	2.5	2.5	2.2	2.5	2.8	2.2	2.2	2.2	21	2.5	2.2	1.7

CAL YR 1998 TOTAL 27177.0 MEAN 74.5 MAX 770 MIN 2.2 AC-FT 53910
WTR YR 1999 TOTAL 21749.9 MEAN 59.6 MAX 788 MIN 1.7 AC-FT 43140

MAX DISCH 918 CFS AT 1945 09-JUN-1999 GH 5.62 FT. SHIFT 0.00 FT. MAX GH 5.62 FT. AT 1945 09-JUN-1999

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 L.R.Schultz.

RATING TABLE--BUSTUNCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

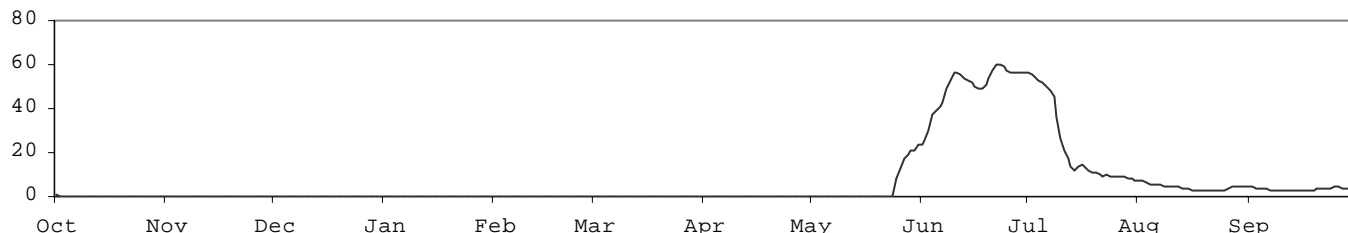
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	56	7.6	4.3
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	55	7.4	4.1
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	54	6.6	4.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	53	5.8	3.6
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	52	5.2	3.4
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	50	5.3	3.2
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	48	5.1	3.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	45	4.8	2.6
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53	36	4.4	2.6
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	26	4.4	2.4
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	21	4.4	2.8
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55	17	4.1	3.1
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	14	3.4	3.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53	12	3.2	2.8
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	14	3.2	2.8
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	15	3.1	2.8
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	13	3.0	2.8
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	12	3.0	2.6
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	11	2.8	2.7
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	11	3.0	3.2
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	10	3.0	3.6
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	9.3	2.6	3.9
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	9.9	2.6	3.7
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	9.3	2.8	3.6
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	57	8.7	2.9	4.4
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	56	8.8	3.2	4.2
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	56	9.4	4.3	3.8
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	56	8.9	4.8	3.4
29	0.0	0.0	0.0	0.0	---	0.0	0.0	21	56	8.1	4.8	3.2
30	0.0	0.0	0.0	0.0	---	0.0	0.0	21	56	7.9	4.5	3.0
31	0.0	---	0.0	0.0	---	0.0	---	24	---	7.6	4.4	---
TOTAL	0.49	0.0	0.0	0.0	0.0	0.0	0.0	123.0	1493	712.9	129.7	98.6
MEAN	0.02	0.0	0.0	0.0	0.0	0.0	0.0	3.97	49.8	23.0	4.18	3.29
AC-FT	0.97	0.0	0.0	0.0	0.0	0.0	0.0	244	2960	1410	257	196
MAX	0.49	0.0	0.0	0.0	0.0	0.0	0.0	24	60	56	7.6	4.4
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	7.6	2.6	2.4

CAL YR 1998 TOTAL 2078.18 MEAN 5.69 MAX 60 MIN 0.00 AC-FT 4120
WTR YR 1999 TOTAL 2557.69 MEAN 7.01 MAX 60 MIN 0.00 AC-FT 5070

MAX DISCH 62 CFS AT 1745 22-JUN-1999 GH 1.47 FT. SHIFT 0.04 FT. MAX GH 1.47 FT. AT 1745 22-JUN-1999

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 fair. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--LARDITCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

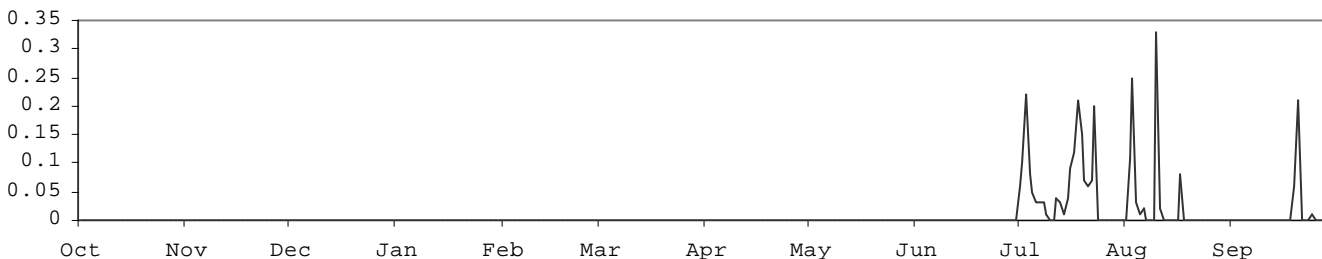
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	0.06	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.11	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.25	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	0.03	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.01	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.02	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	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	0.33	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.08	0.0
18	0.0	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	0.15	0.0	0.06
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.21
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	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	0.01
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	1.70	0.85	0.28
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.03	0.01
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	1.7	0.56
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.33	0.21
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 1998 TOTAL 33.38 MEAN 0.09 MAX 1.4 MIN 0.00 AC-FT 66
WTR YR 1999 TOTAL 2.83 MEAN 0.01 MAX 0.33 MIN 0.00 AC-FT 5.6

MAX DISCH 1.2 CFS AT 0130 03-AUG-1999 GH 0.20 FT. SHIFT -0.02 FT. MAX GH 0.20 FT. AT 0130 03-AUG-1999

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. 2, 1998-Mar. 10, 1999 when the station was closed for the winter; Oct. 31; Nov. 1, 1998; Mar. 11-15; Aug. 11-12, 1999 when the station was isolated for periods during the day; Apr. 3-7, 10-16, 1999 when the well was frozen. 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-1998 TO 30-SEP-1999

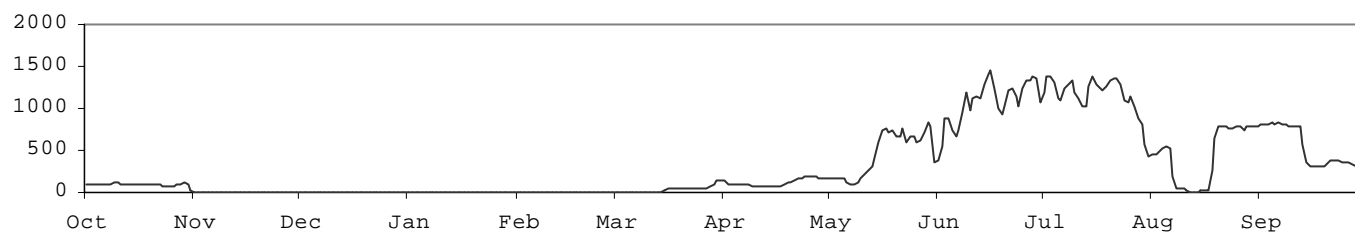
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	3.6	4.2	4.8	5.4	6.0	131	159	373	1180	447	799
2	85	3.6	4.2	4.8	5.4	6.0	105	159	559	1390	455	800
3	87	3.6	4.2	4.8	5.6	6.0	95	158	870	1380	482	821
4	98	3.6	4.2	4.8	5.6	6.0	95	157	882	1310	514	826
5	98	3.6	4.2	5.0	5.6	6.2	90	157	733	1110	556	819
6	98	3.6	4.2	5.0	5.6	6.2	84	122	677	1090	526	823
7	98	3.6	4.2	5.0	5.6	6.2	84	98	739	1250	179	818
8	90	3.6	4.4	5.0	5.6	6.2	84	94	950	1280	48	808
9	111	3.6	4.4	5.0	5.6	6.2	71	109	1180	1340	49	797
10	108	3.8	4.4	5.0	5.6	6.2	66	155	981	1200	51	790
11	105	3.8	4.4	5.0	5.6	6.2	75	205	1110	1130	27	792
12	104	3.8	4.4	5.0	5.8	6.2	82	259	1150	1030	9.2	790
13	104	3.8	4.4	5.0	5.8	6.2	82	302	1120	1020	9.7	582
14	104	3.8	4.4	5.2	5.8	6.2	75	397	1280	1260	11	363
15	104	3.8	4.4	5.2	5.8	28	70	606	1400	1370	12	306
16	100	3.8	4.4	5.2	5.8	45	66	736	1460	1280	12	306
17	93	3.8	4.6	5.2	5.8	45	70	757	1250	1230	13	306
18	93	3.8	4.6	5.2	5.8	45	90	718	992	1210	255	306
19	93	4.0	4.6	5.2	5.8	45	118	729	930	1270	644	306
20	93	4.0	4.6	5.2	5.8	45	124	667	1030	1340	788	347
21	93	4.0	4.6	5.2	5.8	45	131	670	1210	1350	784	376
22	86	4.0	4.6	5.2	6.0	45	158	766	1230	1360	779	375
23	81	4.0	4.6	5.2	6.0	45	176	607	1140	1280	772	372
24	81	4.0	4.6	5.4	6.0	46	181	662	1020	1090	769	368
25	82	4.0	4.6	5.4	6.0	47	196	672	1240	1080	781	368
26	83	4.0	4.6	5.4	6.0	48	187	590	1330	1140	785	365
27	87	4.0	4.8	5.4	6.0	58	180	626	1330	1030	745	334
28	101	4.0	4.8	5.4	6.0	82	165	723	1370	875	785	320
29	110	4.2	4.8	5.4	---	107	159	834	1350	821	785	247
30	104	4.2	4.8	5.4	---	136	160	783	1060	572	784	188
31	33	---	4.8	5.4	---	145	---	355	---	434	786	---
TOTAL	2893	115.0	139.0	159.4	161.2	1143.0	3450	14032	31946	35702	13642.9	15818
MEAN	93.3	3.83	4.48	5.14	5.76	36.9	115	453	1065	1152	440	527
AC-FT	5740	228	276	316	320	2270	6840	27830	63360	70810	27060	31380
MAX	111	4.2	4.8	5.4	6.0	145	196	834	1460	1390	788	826
MIN	33	3.6	4.2	4.8	5.4	6.0	66	94	373	434	9.2	188

CAL YR 1998 TOTAL 58018.2 MEAN 159 MAX 1050 MIN 1.0 AC-FT 115100
WTR YR 1999 TOTAL 119201.5 MEAN 327 MAX 1460 MIN 3.6 AC-FT 236400

MAX DISCH 1614 CFS AT 1130 14-JUN-1999 GH 3.93 FT. SHIFT 0.09 FT. MAX GH 3.93 FT. AT 1130 14-JUN-1999

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



RIO GRANDE BASIN

08214500 NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO

LOCATION.--Lat 37°53'18", long 107°12'10", in NE¼SE¼ sec. 21, T.42 N., R.3 W., Hinsdale County, Hydrologic Unit 13010001, on left bank 100 ft downstream from bridge, 1,000 ft downstream from Continental Reservoir, and 15 mi west of Creede.

DRAINAGE AREA.--51.7 mi².

GAGE.--Graphic water-stage recorder with satellite monitoring in a 4'x4' timber shelter and concrete well at a concrete trapezoidal section 12' wide at the base and 20' wide at the top. Elevation of gage is 10,200 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for Nov. 2, 1998-Apr. 7, 1999 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-1998 TO 30-SEP-1999

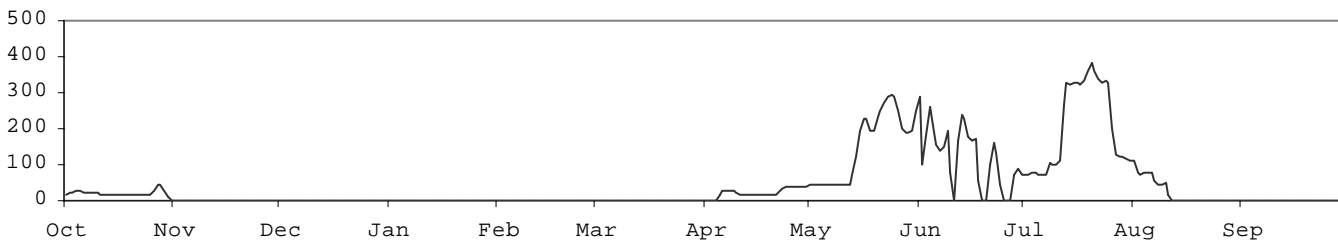
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	0.38	0.25	0.30	0.35	0.40	0.45	42	287	75	109	0.65
2	22	0.25	0.25	0.30	0.35	0.40	0.45	43	98	75	78	0.65
3	25	0.25	0.30	0.30	0.35	0.40	0.45	43	184	76	71	0.65
4	27	0.25	0.30	0.35	0.35	0.40	0.45	44	261	77	77	0.65
5	28	0.25	0.30	0.35	0.40	0.40	0.45	18	189	74	80	0.65
6	25	0.25	0.30	0.35	0.40	0.45	29	45	157	73	79	0.65
7	23	0.25	0.30	0.35	0.40	0.45	29	46	137	73	55	0.65
8	23	0.25	0.30	0.35	0.40	0.45	28	46	149	105	42	0.65
9	24	0.25	0.30	0.35	0.40	0.45	28	46	197	100	42	0.80
10	20	0.25	0.30	0.35	0.40	0.45	25	46	78	100	50	0.80
11	17	0.25	0.30	0.35	0.40	0.45	19	46	1.2	109	19	0.80
12	17	0.25	0.30	0.35	0.40	0.45	19	46	169	265	0.50	0.80
13	17	0.25	0.30	0.35	0.40	0.45	16	71	239	330	0.50	0.80
14	17	0.25	0.30	0.35	0.40	0.45	15	120	230	323	0.50	0.80
15	17	0.25	0.30	0.35	0.40	0.45	15	193	180	330	0.50	0.80
16	17	0.25	0.30	0.35	0.40	0.45	15	227	164	330	0.50	0.80
17	17	0.25	0.30	0.35	0.40	0.45	15	226	170	324	0.50	0.80
18	16	0.25	0.30	0.35	0.40	0.45	15	197	58	333	0.51	0.80
19	16	0.25	0.30	0.35	0.40	0.45	15	194	1.2	363	0.50	0.80
20	16	0.25	0.30	0.35	0.40	0.45	16	231	1.2	382	0.51	0.86
21	16	0.25	0.30	0.35	0.40	0.45	16	248	101	359	0.50	0.95
22	16	0.25	0.30	0.35	0.40	0.45	20	272	161	337	0.51	0.95
23	16	0.25	0.30	0.35	0.40	0.45	34	288	136	326	0.50	0.95
24	16	0.25	0.30	0.35	0.40	0.45	39	294	46	332	0.50	0.95
25	16	0.25	0.30	0.35	0.40	0.45	40	291	1.4	327	0.50	0.95
26	29	0.25	0.30	0.35	0.40	0.45	40	250	1.4	201	0.50	0.95
27	46	0.25	0.30	0.35	0.40	0.45	40	198	1.6	127	0.54	0.95
28	46	0.25	0.30	0.35	0.40	0.45	40	188	70	124	0.65	0.95
29	30	0.25	0.30	0.35	---	0.45	41	188	87	121	0.65	0.95
30	12	0.25	0.30	0.35	---	0.45	41	196	75	116	0.65	124
31	0.43	---	0.30	0.35	---	0.45	---	251	---	112	0.65	---
TOTAL	643.43	7.63	9.20	10.70	11.00	13.70	669.80	4660	3631.0	6399	712.66	147.41
MEAN	20.8	0.25	0.30	0.35	0.39	0.44	22.3	150	121	206	23.0	4.91
AC-FT	1280	15	18	21	22	27	1330	9240	7200	12690	1410	292
MAX	46	0.38	0.30	0.35	0.40	0.45	41	294	287	382	109	124
MIN	0.43	0.25	0.25	0.30	0.35	0.40	0.45	42	1.2	73	0.50	0.65

CAL YR 1998 TOTAL 10117.06 MEAN 27.7 MAX 194 MIN 0.25 AC-FT 20070
WTR YR 1999 TOTAL 16915.53 MEAN 46.3 MAX 382 MIN 0.25 AC-FT 33550

MAX DISCH 394 CFS AT 0945 20-JUL-1999 GH 2.85 FT. SHIFT 0.19 FT. MAX GH 2.85 FT. AT 0945 20-JUL-1999

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 with supplemental outside chain gage. 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: Nov. 11-12; Dec. 7-22, 1998 when the float was frozen; Dec. 23, 1998-Mar. 23, 1999 when station was closed for the winter. Gage height ice affected Nov. 10, 20-21; Dec. 6, 1998. 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.

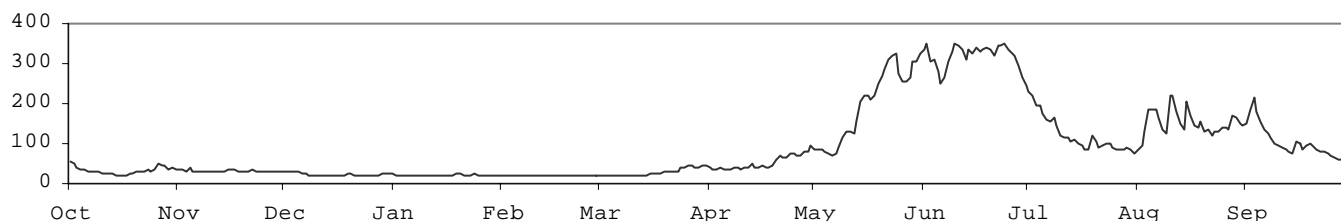
RATING TABLE.--GOOWAGCO09 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	36	31	23	20	21	42	87	336	232	83	152
2	48	37	30	21	19	22	37	85	350	218	94	184
3	40	32	29	20	20	21	36	85	304	197	130	214
4	37	42	30	21	20	21	39	81	309	197	186	181
5	34	29	31	22	20	21	37	76	280	175	187	155
6	30	30	27	22	20	22	37	70	250	160	184	136
7	31	28	24	21	20	22	36	74	264	157	163	126
8	29	30	21	21	21	22	39	90	304	163	136	113
9	28	30	22	20	21	21	39	116	332	144	123	101
10	26	29	19	21	20	22	37	130	350	118	218	94
11	24	29	19	21	18	21	40	130	345	113	218	90
12	24	29	20	22	18	21	41	126	336	113	181	85
13	23	30	20	21	19	20	48	155	309	106	152	81
14	21	31	20	21	20	22	42	204	336	108	133	77
15	21	34	20	21	21	24	42	218	327	99	204	106
16	21	34	21	22	20	24	46	218	340	94	172	99
17	21	35	22	22	21	25	41	211	332	87	146	87
18	23	32	22	22	21	26	41	222	336	87	141	94
19	24	32	24	23	22	30	46	250	340	120	155	99
20	30	28	23	24	21	30	59	268	336	103	130	92
21	30	30	20	22	21	32	72	284	318	90	133	85
22	31	34	19	21	21	32	64	309	345	96	120	79
23	34	31	20	21	20	32	63	322	345	99	128	79
24	32	32	19	23	21	39	74	327	350	99	131	76
25	36	31	20	22	21	41	76	276	336	90	138	68
26	48	30	21	21	22	46	68	253	327	87	138	66
27	46	30	22	20	21	45	70	256	318	85	136	61
28	44	30	22	20	21	41	81	264	296	83	169	59
29	37	29	23	19	---	41	79	304	264	90	166	56
30	40	29	23	20	---	45	96	304	246	83	152	51
31	37	---	23	20	---	45	---	327	---	77	146	---
TOTAL	1004	943	707	660	570	897	1568	6122	9561	3770	4693	3046
MEAN	32.4	31.4	22.8	21.3	20.4	28.9	52.3	197	319	122	151	102
AC-FT	1990	1870	1400	1310	1130	1780	3110	12140	18960	7480	9310	6040
MAX	54	42	31	24	22	46	96	327	350	232	218	214
MIN	21	28	19	19	18	20	36	70	246	77	83	51
CAL YR 1998 TOTAL	20108		MEAN	55.1	MAX	250	MIN	16	AC-FT	39880		
WTR YR 1999 TOTAL	33541		MEAN	91.9	MAX	350	MIN	18	AC-FT	66530		

MAX DISCH 386 CFS AT 0100 02-JUN-1999 GH 3.70 FT. SHIFT -0.01 FT. MAX GH 3.70 FT. AT 0100 02-JUN-1999

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 AND PERIOD OF RECORD.--216 mi². Station established May 17, 1909 at different site with minimal records. Non-recording to 1910 when water-stage recorder installed. Moved to current site in May 1936.

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. 11-22, 1998 when the well was frozen; Dec. 23, 1998-Feb. 25, 1999 when the station was closed for the winter; Aug. 4-5, 1999 when gage was vandalized disabling chart recorder and shaft encoder. Stage-discharge relation was ice affected Dec. 7-10, 1998; Feb. 26-Mar. 7, 1999. 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.--RIOSFKCO09 USED FROM 01-OCT-1998 TO 30-SEP-1999

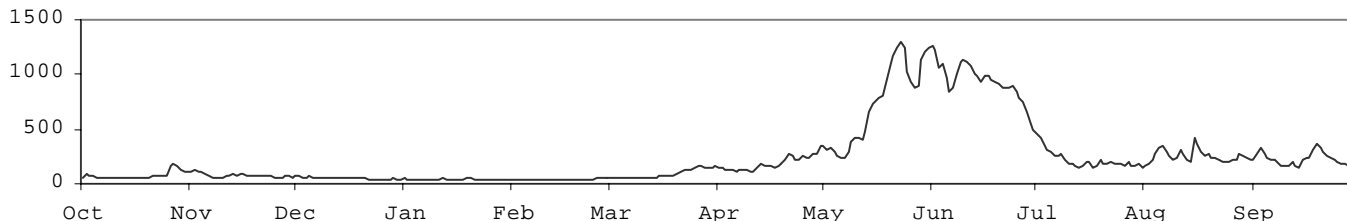
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	110	65	47	43	54	150	339	1270	452	158	217
2	87	123	66	45	41	56	139	309	1220	415	181	277
3	71	118	63	44	43	54	125	323	1070	340	227	327
4	66	107	64	45	43	56	123	300	1090	320	278	281
5	63	87	66	45	43	56	119	263	965	290	322	243
6	60	68	62	45	42	54	113	241	833	264	339	219
7	62	61	56	44	43	56	119	245	873	252	298	214
8	60	62	50	44	44	58	133	296	1010	270	254	186
9	58	61	48	42	44	58	129	381	1110	218	211	166
10	55	60	50	44	42	57	117	425	1140	189	236	156
11	50	81	49	44	38	57	118	417	1120	175	304	157
12	49	80	49	46	37	57	139	402	1080	170	274	200
13	48	84	50	45	39	56	181	481	1010	152	224	164
14	48	82	50	42	41	58	167	664	995	156	201	147
15	47	85	50	42	43	65	171	740	942	193	424	224
16	48	84	54	43	41	70	159	772	989	196	372	243
17	50	81	54	44	43	76	155	779	979	151	295	234
18	50	76	54	44	45	75	160	811	960	168	260	307
19	50	70	58	46	45	75	178	950	936	214	279	364
20	61	65	56	46	44	86	213	1100	914	183	241	323
21	70	74	50	45	45	104	269	1170	881	175	241	284
22	72	77	41	42	45	121	255	1240	873	202	221	249
23	78	66	43	42	43	127	227	1290	880	189	202	242
24	79	65	40	44	45	131	226	1250	894	192	206	223
25	78	63	43	44	46	140	265	1020	843	179	205	199
26	169	64	45	42	49	160	244	935	785	156	213	181
27	178	64	45	42	48	164	242	874	745	193	217	176
28	157	65	44	41	50	149	268	905	659	160	267	163
29	121	65	47	41	---	144	269	1140	546	173	247	144
30	107	63	45	42	---	154	356	1200	488	183	229	136
31	108	---	43	43	---	157	---	1250	---	153	211	---
TOTAL	2364	2311	1600	1355	1215	2785	5529	22512	28100	6723	7837	6646
MEAN	76.3	77.0	51.6	43.7	43.4	89.8	184	726	937	217	253	222
AC-FT	4690	4580	3170	2690	2410	5520	10970	44650	55740	13340	15540	13180
MAX	178	123	66	47	50	164	356	1290	1270	452	424	364
MIN	47	60	40	41	37	54	113	241	488	151	158	136

CAL YR 1998 TOTAL 64445 MEAN 177 MAX 1280 MIN 38 AC-FT 127800
WTR YR 1999 TOTAL 88977 MEAN 244 MAX 1290 MIN 37 AC-FT 176500

MAX DISCH 1452 CFS AT 2345 01-JUN-1999 GH 4.94 FT. SHIFT 0.02 FT. MAX GH 4.94 FT. AT 2345 01-JUN-1999

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 AND PERIOD OF RECORD.--1,320 mi². Measurements and staff gages with frequent readings begun in June of 1889. Various sites used until present site established in Nov. 1910, with a recorder installed in 1934. All missing periods have been estimated and discharge records are complete from July 1, 1889.

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. 8, 1998-Feb. 18, 1999. Record is good except for ice affected record which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

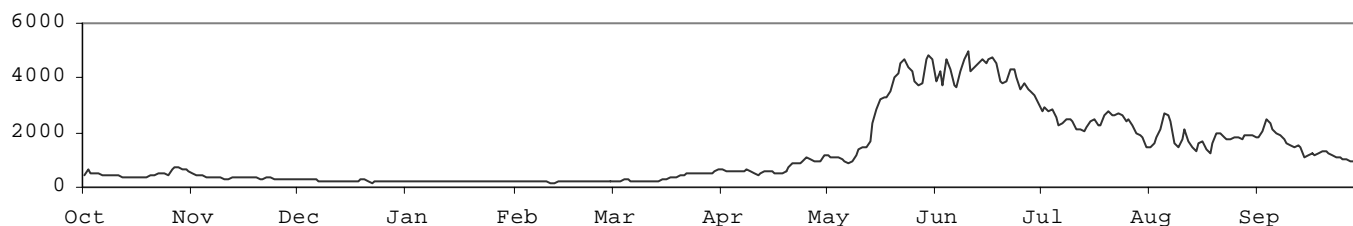
RATING TABLE.--RIODELCO03 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	438	520	291	220	210	236	639	1160	3910	2790	1480	1820
2	640	475	301	210	200	253	615	1080	4210	2930	1590	2080
3	528	460	301	200	200	248	556	1120	3740	2780	1830	2460
4	496	418	292	200	200	259	582	1090	4680	2870	2090	2310
5	485	389	296	200	210	259	592	996	4310	2590	2680	2090
6	454	379	285	220	210	248	605	933	3700	2270	2600	1950
7	444	357	205	230	200	246	620	883	3690	2310	2420	1880
8	441	352	200	220	210	251	663	940	4220	2510	1630	1740
9	425	359	210	200	210	236	621	1160	4690	2480	1460	1630
10	436	282	190	210	200	235	479	1380	4960	2380	1720	1550
11	418	271	200	210	180	240	469	1470	4210	2120	2090	1490
12	393	356	240	230	180	252	486	1470	4380	2130	1690	1530
13	393	346	230	220	190	224	560	1670	4510	2080	1450	1460
14	381	352	230	210	200	228	551	2340	4690	2170	1310	1120
15	377	374	240	210	200	259	550	2830	4570	2450	1600	1160
16	375	379	250	210	200	273	521	3250	4670	2460	1660	1220
17	384	377	240	230	200	361	533	3300	4770	2270	1410	1140
18	375	372	250	230	210	379	533	3310	4550	2260	1270	1250
19	379	339	280	240	212	377	581	3490	3890	2650	1600	1340
20	438	296	280	240	199	405	696	4000	3810	2750	1940	1310
21	474	282	200	230	208	441	851	4200	3850	2630	1940	1240
22	480	336	180	200	209	491	863	4550	4300	2650	1860	1170
23	481	349	190	200	183	517	843	4700	4300	2720	1780	1130
24	478	324	190	230	208	504	929	4360	4020	2600	1790	1120
25	471	316	190	220	214	502	1080	4210	3620	2450	1820	1060
26	687	315	200	220	217	539	1050	3870	3820	2460	1800	1000
27	720	319	200	200	210	545	963	3740	3620	2240	1740	969
28	711	314	200	210	221	538	977	3800	3500	1970	1880	921
29	642	327	210	210	---	538	977	4680	3400	1870	1900	883
30	629	312	210	220	---	594	1150	4800	3080	1850	1920	800
31	602	---	210	210	---	638	---	4690	---	1470	1860	---
TOTAL	15075	10647	7191	6690	5691	11316	21135	85472	123670	74160	55810	42823
MEAN	486	355	232	216	203	365	705	2757	4122	2392	1800	1427
AC-FT	29900	21120	14260	13270	11290	22450	41920	169500	245300	147100	110700	84940
MAX	720	520	301	240	221	638	1150	4800	4960	2930	2680	2460
MIN	375	271	180	200	180	224	469	883	3080	1470	1270	800
CAL YR 1998 TOTAL		291585	MEAN	799	MAX	4290	MIN	180	AC-FT	578400		
WTR YR 1999 TOTAL		459680	MEAN	1259	MAX	4960	MIN	180	AC-FT	911800		

MAX DISCH 5327 CFS AT 0545 10-JUN-1999 GH 4.52 FT. SHIFT -0.03 FT. MAX GH 4.52 FT. AT 0545 10-JUN-1999

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 Dec. 7-22, 1998 when the well was frozen; Dec. 23, 1998-Feb. 25, 1999 when station was closed for the winter; Apr. 28; June 11, 1999 when the chart recorder was not working correctly and there was missing satellite data. Stage-discharge relation was ice affected Nov. 9-13, 19-21; Dec. 5-6, 1998; Feb. 26-28; Mar. 1-11, 13-14, 17, 1999. 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-1998 TO 30-SEP-1999

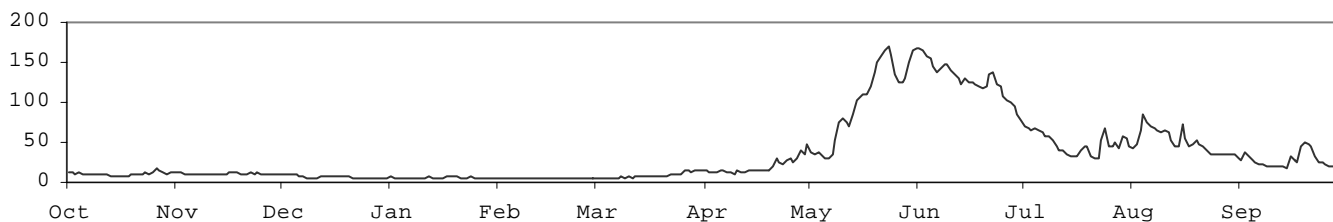
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	13	11	6.4	6.0	6.2	15	37	167	71	43	28
2	13	12	11	6.0	5.8	6.2	12	36	166	67	48	37
3	11	9.6	10	5.8	5.8	6.0	13	37	158	66	66	33
4	12	9.1	10	5.8	5.8	6.2	13	34	156	67	84	28
5	9.9	10	9.0	5.8	6.0	6.2	16	30	145	66	74	25
6	9.4	10	8.0	6.0	5.8	6.0	14	30	137	62	69	23
7	10	9.2	7.2	6.2	5.8	6.0	12	34	143	58	67	22
8	9.9	9.9	6.2	6.0	6.0	6.4	13	52	148	57	64	21
9	9.5	9.8	6.2	5.8	6.0	6.2	11	76	147	53	62	20
10	9.4	10	5.6	6.0	5.8	6.6	14	81	141	45	66	20
11	9.3	10	6.2	6.0	5.6	6.2	13	76	135	41	63	19
12	9.1	10	7.0	6.4	5.6	6.6	12	70	129	39	52	20
13	8.7	10	6.6	6.2	6.0	6.4	15	84	123	34	45	19
14	8.7	10	6.4	6.0	6.0	7.0	14	103	130	32	44	18
15	8.6	11	6.6	6.0	6.0	7.4	14	107	125	33	73	32
16	8.3	12	7.0	6.2	5.8	7.7	15	110	126	33	54	28
17	8.3	12	6.8	6.4	5.8	7.8	15	111	122	39	46	26
18	8.6	12	7.0	6.4	6.0	7.8	14	120	120	45	48	44
19	9.2	11	7.4	6.4	5.8	7.9	15	138	117	45	53	51
20	11	10	7.4	6.4	5.8	8.2	21	150	119	33	47	47
21	11	11	6.0	6.2	5.8	8.7	29	158	136	29	45	44
22	11	12	5.0	6.2	6.0	9.5	25	164	138	31	40	33
23	12	11	5.6	6.2	5.8	10	23	170	123	53	36	25
24	11	12	5.8	6.6	6.0	11	27	160	119	67	34	24
25	13	11	5.8	6.0	6.0	11	29	136	108	46	36	22
26	17	11	6.0	6.0	6.2	14	26	124	103	46	36	21
27	15	9.7	6.0	5.8	6.2	14	31	124	100	51	36	20
28	13	10	6.0	6.0	6.0	13	39	130	94	42	35	19
29	11	9.4	6.2	6.0	---	14	35	151	85	57	35	19
30	12	11	6.2	6.0	---	16	48	166	78	54	36	19
31	12	---	6.0	6.0	---	16	---	168	---	45	30	---
TOTAL	333.9	318.7	217.2	189.2	165.2	272.2	593	3167	3838	1507	1567	807
MEAN	10.8	10.6	7.01	6.10	5.90	8.78	19.8	102	128	48.6	50.5	26.9
AC-FT	662	632	431	375	328	540	1180	6280	7610	2990	3110	1600
MAX	17	13	11	6.6	6.2	16	48	170	167	71	84	51
MIN	8.3	9.1	5.0	5.8	5.6	6.0	11	30	78	29	30	18

CAL YR 1998 TOTAL 9584.9 MEAN 26.3 MAX 175 MIN 5.0 AC-FT 19010
WTR YR 1999 TOTAL 12975.4 MEAN 35.5 MAX 170 MIN 5.0 AC-FT 25740

MAX DISCH 206 CFS AT 1900 23-MAY-1999 GH 2.17 FT. SHIFT -0.03 FT. MAX GH 2.17 FT. AT 1900 23-MAY-1999

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 in 48" CMP shelter and well. Datum of gage is 7,654.16 ft., Colorado State Highway Datum.

REMARKS.--Record is complete and reliable except for Dec. 24, 1998 when the clock stopped on the chart recorder and there was missing satellite data; Jan. 29, 2999 when the chart recorder had been shut down for the winter and there was missing satellite data. Stage-discharge relation affected by ice Dec. 13-22, 25-31, 1998; Jan. 1-28, 30-31; Feb. 1-6, 1999. The stage-discharge relation was affected by a large tree that got hung up on the control from May 29-June 10, 1999. 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-1998 TO 30-SEP-1999

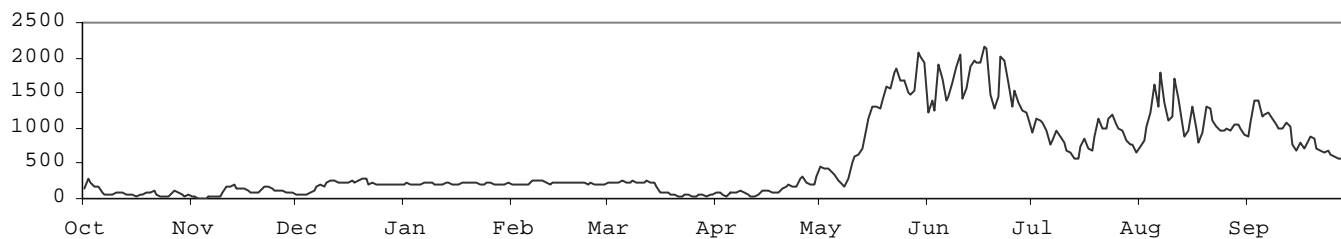
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	24	60	210	200	218	73	464	1230	944	748	873
2	275	17	59	220	200	234	84	428	1380	1130	838	1090
3	222	11	61	205	190	235	64	419	1240	1110	1020	1400
4	175	9.4	62	195	195	241	37	405	1900	1090	1220	1380
5	158	7.6	86	195	195	246	73	327	1700	962	1620	1160
6	88	16	118	195	200	234	80	257	1380	780	1310	1180
7	48	27	183	215	252	237	94	196	1450	822	1780	1220
8	47	21	211	225	259	243	105	180	1640	963	1370	1150
9	56	17	183	215	256	227	98	292	1880	868	1110	1050
10	77	85	214	195	250	226	58	498	2050	792	1170	995
11	84	159	255	210	230	229	32	609	1430	672	1700	981
12	77	163	256	205	195	245	34	618	1560	666	1410	1070
13	70	203	240	230	217	223	59	722	1880	570	1060	1020
14	68	154	225	220	232	221	116	982	1960	565	889	771
15	56	144	225	205	239	170	114	1130	1920	729	963	691
16	37	147	235	200	216	76	119	1310	1920	842	1320	794
17	46	119	250	200	223	77	81	1300	2150	707	986	713
18	69	84	240	225	222	97	88	1280	2130	675	793	765
19	79	73	255	230	237	56	95	1400	1490	875	929	894
20	97	99	285	240	219	47	132	1600	1270	1140	1310	840
21	125	100	285	230	224	41	162	1550	1450	987	1290	714
22	53	164	200	220	216	39	204	1780	2020	995	1100	691
23	37	166	216	190	196	43	163	1860	1960	1140	1020	660
24	35	132	185	200	218	43	174	1670	1650	1200	965	669
25	34	119	185	225	209	36	276	1670	1300	1060	972	623
26	52	121	185	215	209	36	308	1510	1540	988	996	590
27	106	116	195	210	204	46	240	1480	1350	969	974	559
28	99	91	195	190	210	46	192	1540	1250	822	1050	562
29	58	90	195	205	---	40	205	2070	1230	758	1040	556
30	37	88	205	205	---	49	321	2010	1130	766	1000	547
31	45	---	205	215	---	71	---	1940	---	652	909	---
TOTAL	2655	2767.0	5954	6540	6113	4272	3881	33497	48440	27239	34862	26208
MEAN	85.6	92.2	192	211	218	138	129	1081	1615	879	1125	874
AC-FT	5270	5490	11810	12970	12130	8470	7700	66440	96080	54030	69150	51980
MAX	275	203	285	240	259	246	321	2070	2150	1200	1780	1400
MIN	34	7.6	59	190	190	36	32	180	1130	565	748	547

CAL YR 1998 TOTAL 105643.52 MEAN 289 MAX 1790 MIN 0.62 AC-FT 209500
WTR YR 1999 TOTAL 202428.0 MEAN 555 MAX 2150 MIN 7.6 AC-FT 401500

MAX DISCH 2466 CFS AT 1045 04-JUN-1999 GH 6.20 FT. SHIFT -0.28 FT. MAX GH 6.20 FT. AT 1045 04-JUN-1999

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 Dec. 8-29, 1998; Feb. 11-12, 1999 when the well was frozen; Dec. 30, 1998-Feb. 10, 1999 when the station was closed for the winter. Stage-discharge relation ice affected Dec. 7, 1998; Feb. 13, 1999. 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.--RIOLINCO05

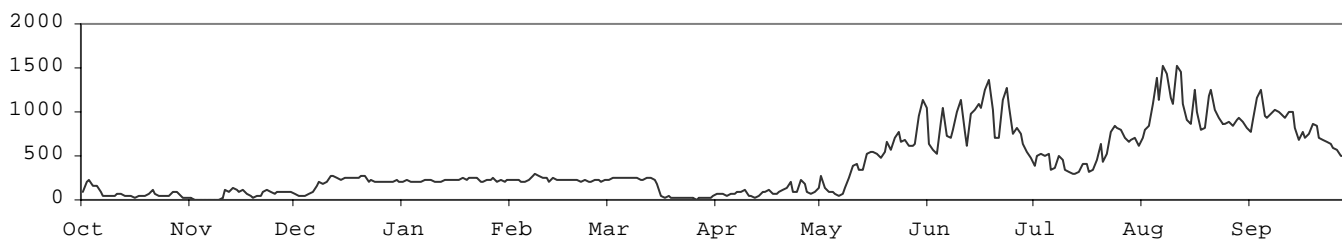
DISCHARGE, IN CFS, WATER YEAR 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	17	63	215	225	225	62	273	644	391	697	779
2	203	11	46	220	225	243	77	127	578	494	792	901
3	224	8.8	52	215	220	252	72	96	519	516	850	1170
4	164	6.7	50	210	215	254	45	94	886	505	1100	1250
5	155	5.6	68	210	215	261	59	62	1040	517	1390	950
6	95	5.4	84	210	225	248	74	43	726	351	1130	921
7	52	8.2	155	225	275	252	80	63	709	370	1530	967
8	40	9.4	205	235	290	253	92	127	792	490	1430	1030
9	36	7.4	180	230	275	247	105	255	990	465	1170	1010
10	47	21	215	210	250	237	54	389	1130	343	1100	968
11	58	114	265	215	240	238	35	418	766	311	1530	938
12	57	88	270	215	215	258	31	340	618	306	1460	1010
13	52	146	245	235	245	247	42	333	971	306	1100	1000
14	53	121	235	220	227	232	93	517	1030	327	900	815
15	48	100	240	225	231	184	91	551	1080	400	857	673
16	34	104	250	225	230	51	104	546	1040	414	1260	780
17	38	72	250	225	221	24	66	513	1260	325	1000	710
18	49	39	240	240	223	41	72	469	1370	336	789	742
19	56	33	245	235	231	30	82	542	1020	462	821	861
20	70	42	275	245	218	31	112	665	702	646	1180	846
21	115	40	270	255	215	26	133	575	714	434	1260	707
22	61	96	205	250	227	25	203	700	1130	518	1030	684
23	51	120	230	215	195	18	82	765	1280	767	938	648
24	49	92	200	205	210	16	92	660	1070	839	872	645
25	40	74	200	235	222	13	221	674	742	829	864	586
26	46	83	200	235	217	8.7	179	614	808	786	884	557
27	85	81	210	240	213	12	92	612	752	698	850	505
28	81	81	215	215	217	18	73	647	637	659	902	508
29	45	87	215	220	---	15	85	964	539	681	939	499
30	27	88	220	215	---	13	146	1130	485	708	895	504
31	28	---	215	230	---	42	---	1040	---	624	809	---
TOTAL	2255	1801.5	6013	6975	6412	4014.7	2754	14804	26028	15818	32329	24164
MEAN	72.7	60	194	225	229	130	91.8	478	868	510	1043	805
AC-FT	4470	3570	11930	13830	12720	7960	5460	29360	51630	31380	64120	47930
MAX	224	146	275	255	290	261	221	1130	1370	839	1530	1250
MIN	27	5.4	46	205	195	8.7	31	43	485	306	697	499

CAL YR 1998	TOTAL	61536.1	MEAN	169	MAX	802	MIN	5.4	AC-FT	122060
WTR YR 1999	TOTAL	143368.2	MEAN	393	MAX	1530	MIN	5.4	AC-FT	284400

MAX DISCH: 1670 CFS AT 13:15 ON Aug. 5, 1999 GH 6.22 FT. SHIFT 0 FT.
MAX GH: 6.22 FT. AT 13:15 ON Aug. 5, 1999

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 left bank 0.2 mile northwest of Adams State College and 9 miles upstream from Alamosa Creek.

DRAINAGE AREA.--1,710 mi².

GAGE.--Water-stage recorder with satellite telemetry and air temperature probe in a 4'x6' exposed aggregate building with a 4' diameter concrete well. Datum of gage is 7,532.66 ft.

REMARKS.--Record is complete and reliable except for Dec. 22-24, 1998; Jan. 2-4, 8-9, 1999 when the chart recorder clock stopped and the satellite system was not working; Jan. 14-15, 17-18, 21, 23, 27-29; Feb. 2-3, 5, 1999 when the chart recorder was shut down for the winter and the satellite data was incomplete; Apr. 15-17, 26; May 1-2, 5-7, 1999 when the chart recorder clock stopped or the chart recorder malfunctioned and the satellite system was not working. Stage-discharge relation was ice affected Dec. 9-10, 113-21, 25-31, 1998; Jan. 1, 5-7, 10-13, 16, 19-20, 22, 24-26, 30-31; Feb. 1, 4, 12-13, 1999. Record is good except for periods of no gage height and ice affected record, which are fair to poor. Station maintained and record developed by the Division III Hydrographic Staff.

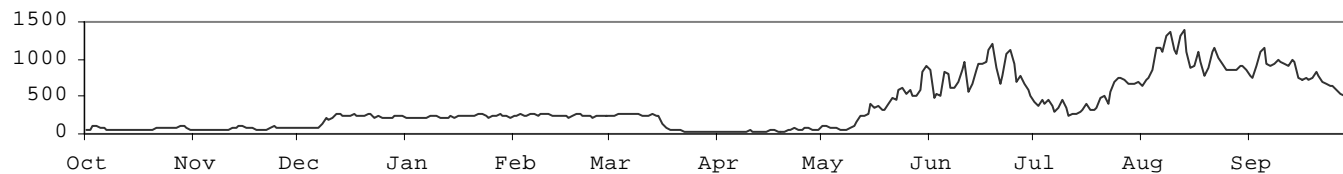
RATING TABLE.--RIOALACO21DISCHARGE, IN CFS, WATER YEAR 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	64	87	225	245	240	26	97	846	430	630	783
2	58	56	76	220	245	249	27	112	477	371	712	754
3	118	51	68	225	265	262	29	82	549	451	749	915
4	106	48	69	225	250	262	29	76	496	403	858	1090
5	91	45	69	225	230	265	26	69	843	445	1140	1140
6	83	44	77	220	259	267	25	63	810	365	1160	947
7	60	43	92	220	258	259	27	54	624	282	1090	915
8	52	43	144	235	251	259	29	57	615	340	1300	947
9	47	45	205	240	261	260	34	79	708	442	1360	983
10	44	43	175	240	280	245	41	117	848	343	1130	970
11	44	50	220	220	267	242	30	158	959	230	1080	937
12	47	84	267	220	250	250	27	233	572	264	1320	921
13	44	92	275	225	230	264	26	247	678	274	1400	992
14	43	106	245	240	239	238	25	263	853	297	1090	964
15	43	96	245	225	247	236	38	392	932	326	895	755
16	45	92	250	240	243	137	43	338	932	415	909	732
17	44	90	255	250	213	71	53	370	975	333	1110	762
18	47	74	250	245	243	54	40	317	1120	323	953	716
19	55	61	245	245	272	54	39	312	1200	341	767	746
20	62	57	235	235	277	46	40	390	872	495	871	841
21	73	60	265	250	242	44	54	476	676	499	1100	777
22	87	63	260	275	248	40	65	454	772	399	1160	695
23	71	90	210	270	243	37	68	576	1060	556	1010	671
24	67	97	240	235	222	33	52	624	1120	690	930	648
25	68	86	210	205	242	32	56	539	928	749	861	633
26	74	81	215	245	244	31	80	583	688	738	868	592
27	81	83	220	250	241	29	67	516	772	729	870	548
28	99	81	225	260	234	28	53	518	668	661	863	512
29	95	85	230	240	---	29	49	588	576	671	906	505
30	75	87	230	235	---	29	57	838	514	676	904	500
31	65	---	235	225	---	27	---	898	---	696	862	---
TOTAL	2035	2097	6089	7310	6941	4519	1255	10436	23683	14234	30858	23891
MEAN	65.6	69.9	196	236	248	146	41.8	337	789	459	995	796
AC-FT	4040	4160	12080	14500	13770	8960	2490	20700	46980	28230	61210	47390
MAX	118	106	275	275	280	267	80	898	1200	749	1400	1140
MIN	43	43	68	205	213	27	25	54	477	230	630	500
CAL YR 1998	TOTAL	51698	MEAN	142	MAX	638	MIN	16	AC-FT	102500		
WTR YR 1999	TOTAL	133348	MEAN	365	MAX	1400	MIN	25	AC-FT	264500		

MAX DISCH: 1460 CFS AT 23:45 ON Aug. 13, 1999 GH 6.16 FT. SHIFT -0.78 FT.

MAX GH: 6.16 FT. AT 23:45 ON Aug. 13, 1999

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 except for Dec. 6-8, 1998 when the well was frozen. The gage height was affected by the flume being submerged on Dec. 20-21, 1998. Record is good except for periods of no gage height and submergence which should be considered fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

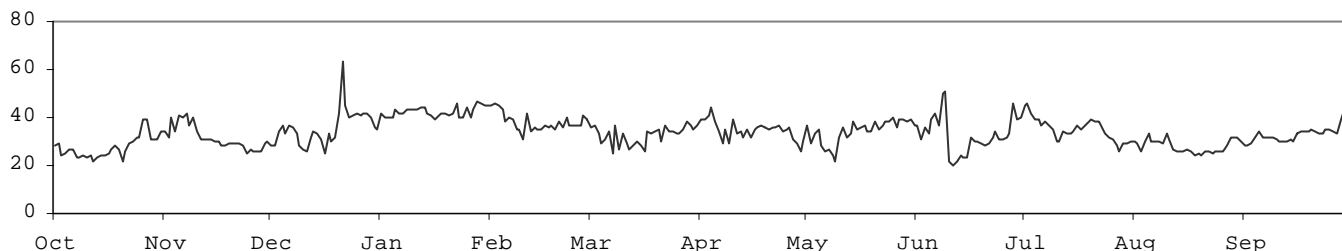
RATING TABLE.--CBPALACO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	34	28	42	45	36	39	37	37	45	30	28
2	29	32	28	40	46	37	39	29	31	46	29	28
3	24	40	34	40	45	33	41	33	36	42	26	29
4	25	34	37	40	43	29	44	35	33	39	30	32
5	27	41	33	43	38	31	38	28	39	39	33	34
6	27	40	37	42	40	34	34	26	42	37	30	32
7	23	42	36	42	39	25	29	27	37	38	30	32
8	23	37	33	43	35	37	35	24	50	37	30	32
9	24	40	28	43	35	27	29	22	51	35	29	32
10	23	34	27	43	31	33	39	32	22	30	33	31
11	24	31	26	43	42	29	33	36	20	30	31	30
12	22	31	32	44	34	27	34	32	22	34	27	30
13	23	31	34	44	36	28	32	33	24	33	26	30
14	24	31	33	42	35	30	35	38	23	33	26	31
15	24	30	31	41	35	28	32	35	23	34	26	30
16	25	30	25	39	37	26	35	36	32	37	27	33
17	27	28	33	41	36	34	36	37	30	35	26	34
18	28	28	30	42	37	33	37	34	30	37	24	34
19	27	29	32	42	35	34	36	34	29	38	25	34
20	22	29	42	41	38	35	35	38	28	39	24	35
21	26	29	63	42	36	30	36	35	29	38	26	34
22	29	29	45	46	40	37	36	37	32	38	26	33
23	30	28	40	40	37	34	37	38	34	35	25	33
24	32	25	41	40	37	34	34	38	31	33	26	35
25	32	27	42	44	37	33	35	40	31	32	26	35
26	39	26	41	40	37	33	36	36	32	31	26	34
27	39	26	42	43	41	35	31	39	33	28	28	33
28	31	26	42	47	39	38	29	39	46	26	32	39
29	31	29	40	46	---	37	26	38	39	29	32	42
30	31	30	36	45	---	35	30	39	40	29	32	41
31	34	---	35	45	---	37	---	37	---	30	30	---
TOTAL	853	947	1106	1315	1066	1009	1042	1062	986	1087	871	990
MEAN	27.5	31.6	35.7	42.4	38.1	32.5	34.7	34.3	32.9	35.1	28.1	33.0
AC-FT	1690	1880	2190	2610	2110	2000	2070	2110	1960	2160	1730	1960
MAX	39	42	63	47	46	38	44	40	51	46	33	42
MIN	22	25	25	39	31	25	26	22	20	26	24	28
CAL YR 1998 TOTAL		16733	MEAN	45.8	MAX	71	MIN	22	AC-FT	33190		
WTR YR 1999 TOTAL		12334	MEAN	33.8	MAX	63	MIN	20	AC-FT	24460		

MAX DISCH 101 CFS AT 0300 21-DEC-1998 GH 1.70 FT. SHIFT -0.08 FT. MAX GH 1.70 FT. AT 0300 21-DEC-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 AND PERIOD OF RECORD.--38 mi². (approx.) Originally established with staff gage only in 1911. Station at various locations from that time. Current location established in 1936.

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 Nov. 10-14, Dec. 7-16, 1998; May 6, 1999 when the well was frozen; Dec. 17, 1998-Apr. 14, 1999 when the station was closed for the winter; Apr. 15-28, 1999 when the inlets were frozen. Stage-discharge relation ice affected Nov. 4-9, 18-28, 30; Dec. 1-6, 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.--KERVILCO16 USED FROM 01-OCT-1998 TO 30-SEP-1999

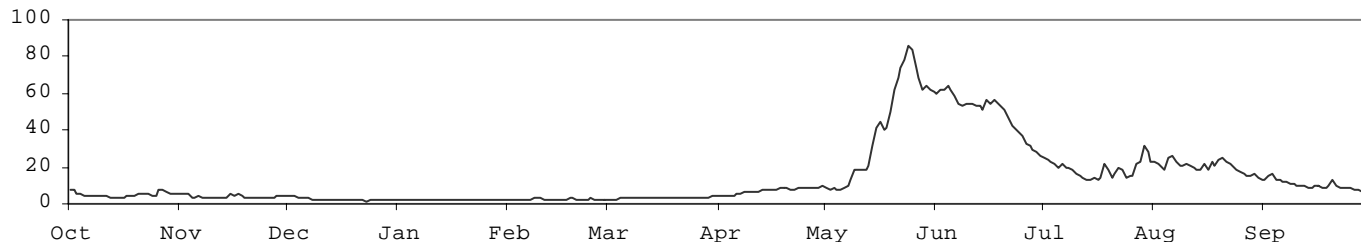
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	5.2	3.9	2.2	2.1	2.7	4.7	9.1	60	25	23	13
2	7.4	5.2	3.9	2.1	2.1	2.7	4.4	7.7	62	24	22	15
3	4.9	4.9	3.9	2.0	2.4	2.6	4.4	8.2	62	23	20	16
4	5.6	3.5	3.7	2.0	2.3	2.9	4.4	7.8	64	22	19	13
5	4.6	3.0	3.3	2.2	2.6	3.0	4.4	7.4	62	20	25	13
6	4.4	4.3	3.0	2.1	2.5	3.0	5.0	8.2	59	22	26	12
7	4.6	3.7	3.0	2.0	2.5	2.9	5.8	9.9	54	20	23	12
8	4.6	3.7	2.4	2.0	2.8	3.0	7.0	13	53	20	21	11
9	4.3	3.5	2.6	1.9	2.8	2.9	6.8	18	54	19	21	11
10	4.0	3.1	2.3	2.0	2.8	3.0	6.8	18	54	16	22	10
11	4.0	3.0	2.5	1.9	2.6	3.1	6.6	18	54	15	21	10
12	3.7	3.2	2.7	1.9	2.5	3.1	7.0	18	53	14	20	10
13	3.7	3.6	2.5	1.9	2.5	3.1	7.4	21	53	13	18	9.1
14	3.7	3.8	2.5	1.9	2.6	3.3	7.8	32	51	13	18	8.6
15	3.7	5.3	2.5	1.9	2.7	3.3	7.6	41	56	14	22	9.5
16	3.7	4.7	2.6	2.0	2.6	3.3	7.6	45	54	13	19	10
17	4.6	4.9	2.3	2.2	2.6	3.3	7.8	40	57	14	23	9.1
18	4.1	4.6	2.1	2.1	2.8	3.3	8.2	41	54	22	21	8.6
19	4.4	3.4	1.9	2.2	2.8	3.5	8.2	50	53	19	24	10
20	5.2	3.3	2.0	2.2	2.7	3.4	8.2	62	51	14	25	13
21	4.9	3.2	1.9	2.2	2.7	3.4	8.0	68	47	16	23	9.5
22	5.2	3.4	1.7	2.0	2.7	3.3	8.0	74	42	20	22	8.2
23	4.9	3.5	1.6	2.0	2.7	3.3	8.6	78	40	18	21	8.2
24	4.6	3.5	1.7	2.3	2.8	3.6	9.0	86	39	14	18	8.2
25	4.6	3.5	1.9	2.2	2.7	3.5	9.0	84	37	15	17	8.2
26	7.4	3.7	2.0	2.1	2.6	3.5	9.0	74	33	15	16	7.4
27	7.8	3.7	2.2	2.0	2.7	3.4	9.0	68	32	22	15	7.4
28	7.0	4.2	2.1	2.0	2.7	3.4	9.0	62	29	23	15	7.0
29	5.6	4.6	2.3	2.0	---	3.4	8.6	64	28	31	16	7.0
30	5.6	4.2	2.2	2.1	---	4.0	10	62	26	28	14	7.4
31	5.6	---	2.1	2.1	---	4.4	---	61	---	23	13	---
TOTAL	156.4	117.4	77.3	63.7	72.9	100.6	218.3	1256.3	1473	587	623	302.4
MEAN	5.05	3.91	2.49	2.05	2.60	3.25	7.28	40.5	49.1	18.9	20.1	10.1
AC-FT	310	233	153	126	145	200	433	2490	2920	1160	1240	600
MAX	8.0	5.3	3.9	2.3	2.8	4.4	10	86	64	31	26	16
MIN	3.7	3.0	1.6	1.9	2.1	2.6	4.4	7.4	26	13	13	7.0

CAL YR 1998 TOTAL 4115.5 MEAN 11.3 MAX 73 MIN 1.6 AC-FT 8160
WTR YR 1999 TOTAL 5048.3 MEAN 13.8 MAX 86 MIN 1.6 AC-FT 10010

MAX DISCH 122 CFS AT 1610 17-AUG-1999 GH 1.71 FT. SHIFT 0.03 FT. MAX GH 1.71 FT. AT 1610 17-AUG-1999

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



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
GARNER CREEK near VILLA GROVE, CO

LOCATION.--Lat 38°10'27", long 105°48'29",

DRAINAGE AREA.--6.4 mi².

GAGE.--2' Diameter CMP stilling well with steel box instrument shelter mounted on top at a 2' Parshall flume. Installed in 1999 water year with first reliable data on Mar. 21, 1999. Station equipped with satellite monitoring. Flume and staff gage there for several years previous. Elevation 8680 ft.

REMARKS.--Record is complete and reliable Mar. 22-Sep. 30, 1999 except for Sep. 25, 1999 when there was missing satellite data. There was a drawdown period in late April and a possible intake problem in late June. Gage-height record during these periods is considered fair. Record good except during period of no gage height. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--GARVILCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

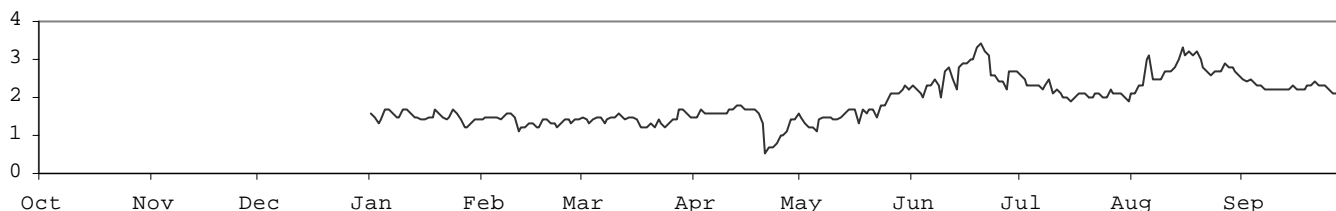
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	1.6	1.4	1.5	1.5	1.5	2.3	2.6	2.1	2.5
2	---	---	---	1.5	1.5	1.4	1.5	1.3	2.2	2.5	2.1	2.4
3	---	---	---	1.3	1.5	1.3	1.7	1.2	2.1	2.3	2.3	2.5
4	---	---	---	1.4	1.5	1.4	1.6	1.2	2.0	2.3	2.3	2.4
5	---	---	---	1.7	1.5	1.5	1.6	1.1	2.3	2.3	3.0	2.3
6	---	---	---	1.7	1.4	1.5	1.6	1.4	2.3	2.3	3.1	2.3
7	---	---	---	1.6	1.5	1.3	1.6	1.5	2.5	2.2	2.5	2.2
8	---	---	---	1.5	1.6	1.4	1.6	1.5	2.3	2.3	2.5	2.2
9	---	---	---	1.5	1.6	1.5	1.6	1.5	2.0	2.5	2.5	2.2
10	---	---	---	1.7	1.5	1.5	1.6	1.4	2.7	2.1	2.7	2.2
11	---	---	---	1.7	1.1	1.6	1.7	1.4	2.8	2.2	2.7	2.2
12	---	---	---	1.6	1.2	1.5	1.7	1.5	2.5	2.1	2.7	2.2
13	---	---	---	1.5	1.2	1.4	1.8	1.6	2.2	2.0	2.8	2.2
14	---	---	---	1.5	1.3	1.5	1.8	1.7	2.8	2.0	3.0	2.2
15	---	---	---	1.4	1.3	1.5	1.7	1.7	2.9	1.9	3.3	2.3
16	---	---	---	1.4	1.2	1.4	1.7	1.7	2.9	2.0	3.1	2.2
17	---	---	---	1.5	1.2	1.2	1.7	1.3	3.0	2.1	3.2	2.2
18	---	---	---	1.5	1.4	1.2	1.7	1.7	3.0	2.1	3.1	2.2
19	---	---	---	1.7	1.4	1.2	1.6	1.6	3.3	2.1	3.2	2.3
20	---	---	---	1.6	1.3	1.3	1.3	1.7	3.4	2.0	3.0	2.3
21	---	---	---	1.5	1.3	1.2	0.55	1.7	3.2	2.0	2.8	2.4
22	---	---	---	1.4	1.2	1.4	0.67	1.5	3.1	2.1	2.7	2.3
23	---	---	---	1.5	1.3	1.3	0.69	1.8	2.6	2.1	2.6	2.3
24	---	---	---	1.7	1.4	1.2	0.79	1.8	2.6	2.0	2.7	2.3
25	---	---	---	1.6	1.4	1.3	1.0	1.9	2.4	2.0	2.7	2.2
26	---	---	---	1.4	1.3	1.4	0.99	2.1	2.4	2.2	2.7	2.1
27	---	---	---	1.2	1.4	1.4	1.1	2.1	2.2	2.1	2.9	2.1
28	---	---	---	1.2	1.4	1.7	1.4	2.1	2.7	2.1	2.8	2.2
29	---	---	---	1.3	---	1.7	1.4	2.2	2.7	2.1	2.8	2.0
30	---	---	---	1.4	---	1.6	1.6	2.3	2.7	2.0	2.7	2.0
31	---	---	---	1.4	---	1.5	---	2.2	---	1.9	2.6	---
TOTAL				46.5	38.3	43.8	42.79	51.2	78.1	66.5	85.2	67.4
MEAN				1.50	1.37	1.41	1.43	1.65	2.60	2.15	2.75	2.25
AC-FT				92	76	87	85	102	155	132	169	134
MAX				1.7	1.6	1.7	1.8	2.3	3.4	2.6	3.3	2.5
MIN				1.2	1.1	1.2	0.55	1.1	2.0	1.9	2.1	2.0

PARTIAL YEAR ONLY

MAX DISCH 5.1 CFS AT 1715 19-JUN-1999 GH 0.78 FT. SHIFT -0.03 FT. MAX GH 0.78 FT. AT 1715 19-JUN-1999

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



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

MAJOR CREEK near VILLA GROVE, CO

LOCATION.--Lat 38°09'26", long 105°48'32"

DRAINAGE AREA.--5.0 mi².

GAGE.--Station established in water year 1999 with installation of 2' diameter CMP as stilling well with a steel equipment box mounted on top at a 2' Parshall flume. Flume already at the site. Satellite monitoring equipment installed Dec. 1998 but gage not operational till Mar. 21, 1999. Elevation of gage is 8410 ft.

REMARKS.--Record is complete and reliable Mar. 22-Sep. 30, 1999, except April 2-3, 1999 when data appears ice affected and Aug. 5, 1999 had missing record. Record good, except for period of no gage heights and period of ice affect, which are poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--MAJVILCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

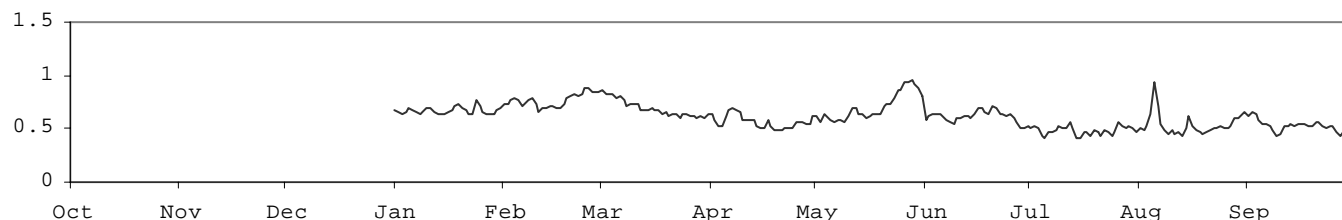
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.68	0.74	0.86	0.63	0.62	0.59	0.50	0.51	0.61
2	---	---	---	0.66	0.74	0.82	0.58	0.56	0.61	0.52	0.49	0.65
3	---	---	---	0.64	0.77	0.83	0.52	0.63	0.64	0.50	0.52	0.63
4	---	---	---	0.66	0.78	0.83	0.53	0.62	0.63	0.43	0.64	0.59
5	---	---	---	0.70	0.76	0.78	0.61	0.58	0.63	0.42	0.93	0.55
6	---	---	---	0.68	0.72	0.80	0.67	0.57	0.62	0.47	0.72	0.55
7	---	---	---	0.66	0.74	0.76	0.69	0.58	0.58	0.47	0.55	0.53
8	---	---	---	0.64	0.76	0.72	0.68	0.58	0.56	0.48	0.48	0.48
9	---	---	---	0.66	0.78	0.74	0.66	0.56	0.55	0.52	0.45	0.43
10	---	---	---	0.70	0.74	0.74	0.58	0.61	0.60	0.50	0.48	0.45
11	---	---	---	0.70	0.66	0.74	0.59	0.69	0.60	0.51	0.45	0.53
12	---	---	---	0.66	0.70	0.67	0.59	0.69	0.61	0.56	0.47	0.53
13	---	---	---	0.64	0.70	0.68	0.59	0.64	0.61	0.51	0.43	0.54
14	---	---	---	0.64	0.72	0.68	0.53	0.64	0.60	0.42	0.50	0.52
15	---	---	---	0.64	0.71	0.70	0.50	0.60	0.63	0.42	0.62	0.55
16	---	---	---	0.66	0.70	0.68	0.51	0.62	0.70	0.47	0.52	0.55
17	---	---	---	0.68	0.70	0.68	0.58	0.63	0.70	0.47	0.49	0.54
18	---	---	---	0.71	0.74	0.64	0.52	0.64	0.66	0.44	0.47	0.52
19	---	---	---	0.74	0.78	0.66	0.48	0.63	0.64	0.48	0.45	0.53
20	---	---	---	0.70	0.80	0.61	0.48	0.72	0.72	0.46	0.47	0.57
21	---	---	---	0.67	0.82	0.63	0.48	0.73	0.69	0.44	0.48	0.56
22	---	---	---	0.64	0.80	0.63	0.51	0.73	0.64	0.49	0.50	0.53
23	---	---	---	0.64	0.82	0.60	0.51	0.79	0.63	0.46	0.50	0.51
24	---	---	---	0.76	0.88	0.64	0.51	0.86	0.61	0.44	0.53	0.52
25	---	---	---	0.72	0.88	0.63	0.57	0.86	0.63	0.46	0.50	0.52
26	---	---	---	0.66	0.84	0.61	0.56	0.94	0.60	0.57	0.50	0.46
27	---	---	---	0.64	0.85	0.61	0.56	0.94	0.57	0.53	0.53	0.43
28	---	---	---	0.64	0.84	0.60	0.55	0.96	0.51	0.50	0.60	0.48
29	---	---	---	0.64	---	0.61	0.54	0.92	0.51	0.52	0.60	0.57
30	---	---	---	0.68	---	0.60	0.62	0.89	0.53	0.50	0.63	0.57
31	---	---	---	0.70	---	0.63	---	0.80	---	0.46	0.65	---
TOTAL				20.84	21.47	21.41	16.96	21.83	18.40	14.92	16.66	16.01
MEAN				0.67	0.77	0.69	0.57	0.70	0.61	0.48	0.54	0.53
AC-FT				41	43	42	34	43	36	30	33	32
MAX				0.76	0.88	0.86	0.69	0.96	0.72	0.57	0.93	0.65
MIN				0.64	0.66	0.60	0.48	0.56	0.51	0.42	0.43	0.43

PARTIAL YEAR RECORD THIS YEAR

MAX DISCH 1.6 CFS AT 2330 04-AUG-1999 GH 0.34 FT. SHIFT 0.02 FT. MAX GH 0.75 FT. AT 0100 03-APR-1999

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



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
COTTON CREEK near MINERAL HOT SPRINGS, CO

LOCATION.--Lat 38°07'55", long 105°47'15"

DRAINAGE AREA.--12.8 mi².

GAGE.--This station established in water year 1999 with installation of 4' diameter CMP stilling well and shelter. Satellite monitoring system installed Mar. 24, 1999. Strip chart recorder used as a backup added on Apr. 28, 1999. Elevation of gage is 8600 ft.

REMARKS.--Record is complete and reliable for the period Mar. 25-Sept. 30, 1999, except Mar. 25-26; Apr. 2-3, 1999 when record was ice affected. Record fair except for periods of missing or ice-effect record, which are poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--COCRMICOT USED FROM 01-JAN-1999 TO 5-AUG-1999
COCRMICO01 USED FROM 06-AUG-1999 TO 30-SEP-1999

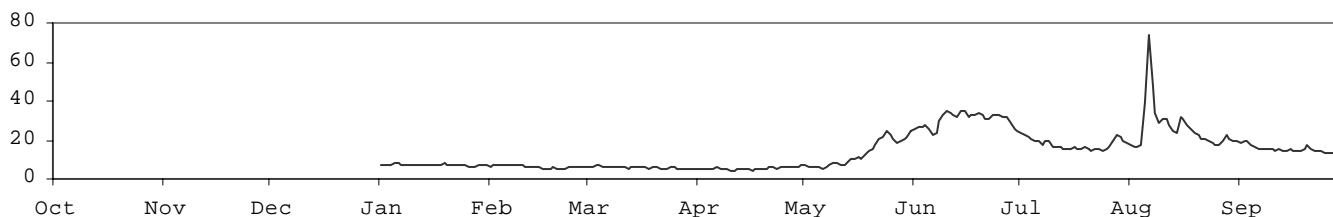
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	7.6	6.6	6.4	4.9	6.8	26	24	17	18
2	---	---	---	7.0	6.8	6.4	4.9	6.5	27	23	16	19
3	---	---	---	6.8	6.8	6.7	5.2	6.0	27	22	16	19
4	---	---	---	7.2	7.0	6.7	5.5	6.1	28	21	17	17
5	---	---	---	7.8	7.0	6.2	5.6	5.8	26	20	39	16
6	---	---	---	7.7	6.8	6.4	5.9	5.3	23	19	74	15
7	---	---	---	7.6	6.8	6.2	5.5	6.2	24	17	48	15
8	---	---	---	7.0	7.2	5.8	5.3	7.0	30	19	34	15
9	---	---	---	7.0	7.4	6.0	5.0	8.1	33	20	29	15
10	---	---	---	7.4	6.8	6.0	4.5	8.2	35	16	31	15
11	---	---	---	7.4	5.8	6.2	4.1	7.6	34	16	31	14
12	---	---	---	7.0	6.0	5.5	5.3	7.1	33	16	28	15
13	---	---	---	6.8	6.2	5.8	5.5	8.2	32	15	25	14
14	---	---	---	6.8	6.2	5.8	5.4	10	35	15	24	14
15	---	---	---	6.8	5.8	6.0	5.2	10	35	15	32	15
16	---	---	---	6.8	5.4	6.0	3.6	11	32	16	31	14
17	---	---	---	7.0	5.4	6.0	5.6	10	33	15	28	14
18	---	---	---	7.2	5.6	5.4	5.5	12	33	15	26	14
19	---	---	---	7.8	5.7	5.8	5.4	14	34	16	24	15
20	---	---	---	7.4	5.6	5.8	5.5	15	33	15	23	17
21	---	---	---	7.2	5.4	5.4	5.8	17	31	14	21	15
22	---	---	---	6.8	5.3	5.4	5.9	21	31	15	21	14
23	---	---	---	6.9	5.8	5.2	5.5	22	33	15	19	14
24	---	---	---	7.6	6.6	5.7	5.8	25	33	14	18	14
25	---	---	---	7.4	6.4	5.8	6.3	23	33	15	17	13
26	---	---	---	6.6	6.0	5.6	6.0	21	32	16	17	13
27	---	---	---	6.4	6.0	5.3	6.0	18	32	19	20	13
28	---	---	---	6.6	6.0	5.0	6.4	19	29	23	23	13
29	---	---	---	6.8	---	4.9	6.4	21	26	22	21	13
30	---	---	---	6.8	---	5.0	7.0	22	25	20	20	14
31	---	---	---	7.0	---	4.9	---	25	---	18	19	---
TOTAL				220.2	174.4	179.3	164.5	404.9	918	546	809	446
MEAN				7.10	6.23	5.78	5.48	13.1	30.6	17.6	26.1	14.9
AC-FT				437	346	356	326	803	1820	1080	1600	885
MAX				7.8	7.4	6.7	7.0	25	35	24	74	19
MIN				6.4	5.3	4.9	3.6	5.3	23	14	16	13

PARTIAL YEAR RECORD ONLY

MAX DISCH 88 CFS AT 0345 06-AUG-1999 GH 2.70 FT. SHIFT -0.04 FT. MAX GH 2.74 FT. AT 2315 09-JUN-1999

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



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

WILD CHERRY CREEK near CRESTONE, CO

LOCATION.--Lat 38°06'01", long 105°46'04"

DRAINAGE AREA.--4.5 mi².

GAGE.--Station established in water year 1999 with the installation of 4' diameter CMP stilling well and shelter. Satellite monitoring system installed Mar. 25, 1999 with chart recorder added on Apr. 28, 1999 as a backup. Elevation of gage is 8560 ft.

REMARKS.--Record good from Mar. 25-Sep. 30, 1999 except Apr. 3, 10, 16, 28; May 1, 4, 10-11, 13-14, 18, 22; June 2-5, 8-12, 24-25, 27, 29; July 1-2; Aug. 5, 1999 when both instruments failed. Record fair, except for the period before stage data available, and the days recorder malfunctions, which are poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--CHECRECO01 USED FROM 01JAN-1999 TO 30-SEP-1999

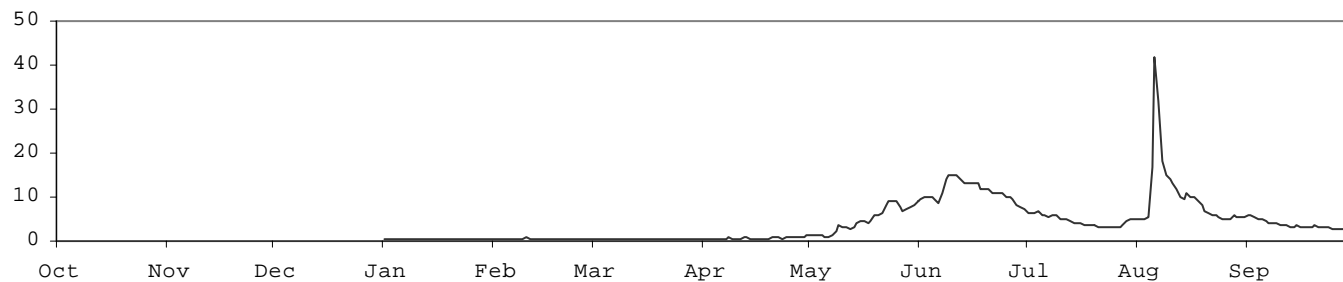
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.54	0.56	0.54	0.49	1.2	9.5	6.4	5.2	5.7
2	---	---	---	0.47	0.50	0.52	0.39	1.2	10	6.4	5.1	5.7
3	---	---	---	0.34	0.58	0.52	0.47	1.3	9.8	6.3	4.9	5.5
4	---	---	---	0.35	0.62	0.48	0.45	1.2	10	6.6	5.4	5.1
5	---	---	---	0.40	0.68	0.49	0.49	1.1	9.5	6.0	17	4.8
6	---	---	---	0.50	0.67	0.48	0.54	1.1	8.7	5.8	42	4.6
7	---	---	---	0.52	0.66	0.46	0.68	1.3	11	5.4	32	4.3
8	---	---	---	0.52	0.68	0.46	0.74	2.3	14	6.0	18	4.1
9	---	---	---	0.48	0.68	0.49	0.67	3.5	15	5.8	15	4.0
10	---	---	---	0.50	0.70	0.49	0.57	3.4	15	5.0	14	3.8
11	---	---	---	0.54	0.52	0.51	0.59	3.2	15	5.2	13	3.8
12	---	---	---	0.56	0.42	0.47	0.69	2.9	14	4.9	12	3.7
13	---	---	---	0.52	0.44	0.45	0.81	3.4	13	4.5	10	3.4
14	---	---	---	0.48	0.46	0.45	0.67	4.0	13	4.1	9.7	3.3
15	---	---	---	0.47	0.47	0.48	0.64	4.4	13	3.9	11	3.5
16	---	---	---	0.50	0.45	0.48	0.45	4.5	13	3.9	10	3.4
17	---	---	---	0.54	0.47	0.46	0.64	4.3	13	3.7	9.9	3.4
18	---	---	---	0.58	0.47	0.45	0.62	4.5	12	3.6	9.1	3.3
19	---	---	---	0.64	0.51	0.49	0.63	5.9	12	3.8	8.3	3.2
20	---	---	---	0.63	0.49	0.48	0.70	5.7	12	3.6	6.9	3.5
21	---	---	---	0.56	0.49	0.48	0.72	6.4	11	3.4	6.3	3.3
22	---	---	---	0.52	0.51	0.50	0.70	8.2	11	3.4	6.1	3.2
23	---	---	---	0.52	0.48	0.50	0.64	9.2	11	3.2	5.9	3.2
24	---	---	---	0.58	0.48	0.50	0.69	9.2	11	3.0	5.6	3.1
25	---	---	---	0.64	0.50	0.52	0.78	8.9	10	3.2	5.2	2.9
26	---	---	---	0.64	0.52	0.55	0.69	7.6	10	3.2	4.8	2.8
27	---	---	---	0.54	0.53	0.54	0.80	6.9	9.6	3.2	5.2	2.7
28	---	---	---	0.50	0.54	0.50	0.99	7.3	8.3	3.8	5.8	2.7
29	---	---	---	0.52	---	0.51	1.1	7.8	7.6	4.7	5.6	2.7
30	---	---	---	0.56	---	0.54	1.3	8.0	7.1	5.2	5.4	2.7
31	---	---	---	0.60	---	0.50	---	9.3	---	5.2	5.6	---
TOTAL				16.26	15.08	15.29	20.35	149.2	339.1	142.4	320.0	111.4
MEAN				0.52	0.54	0.49	0.68	4.81	11.3	4.59	10.3	3.71
AC-FT				32	30	30	40	296	673	282	635	221
MAX				0.64	0.70	0.55	1.3	9.3	15	6.6	42	5.7
MIN				0.34	0.42	0.45	0.39	1.1	7.1	3.0	4.8	2.7

PARTIAL RECORD YEAR ONLY

MAX DISCH 47 CFS AT 2400 06-AUG-1999 GH 1.98 FT. SHIFT 0.16 FT. MAX GH 1.99 FT. AT 1815 10-AUG-1999

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



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

RITO ALTO CREEK near CRESTONE, CO

LOCATION.--Lat 38°04'39", long 105°45'43"

DRAINAGE AREA.--10.3 mi².

GAGE.--Station established in 1999 with the installation of 4' diameter CMP stilling well and shelter. Satellite monitoring system installed April 1, 1999. Strip chart recorder installed on April 27, 1999 as a backup. Elevation of gage is 8380 ft.

REMARKS.--Record of stage good from Apr. 1-Sep. 30, 1999 except during June 27-28, 1999, when the chart recorder clock stopped and the satellite data was missing. Record fair, except during periods of no gage-height data, which is poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--RITCRECO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

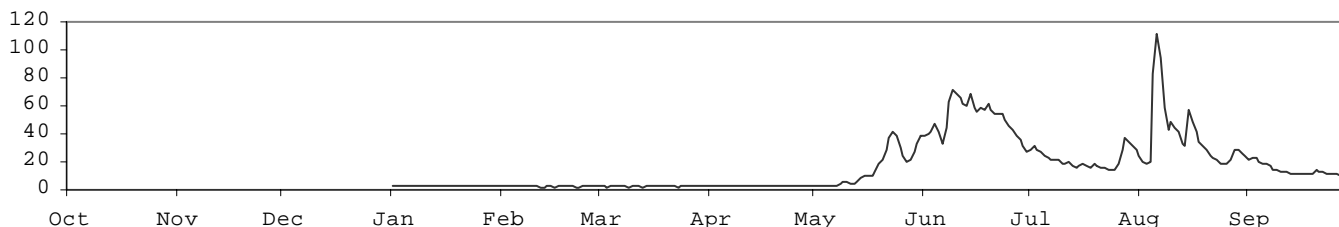
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	2.7	2.8	2.3	2.2	3.5	38	28	24	22
2	---	---	---	2.6	2.4	2.4	2.4	3.4	40	31	20	23
3	---	---	---	2.4	2.5	2.0	2.7	3.4	42	28	19	23
4	---	---	---	2.7	2.6	2.4	2.5	3.2	47	27	20	20
5	---	---	---	2.9	2.8	2.3	2.5	3.1	41	25	83	19
6	---	---	---	2.9	2.5	2.3	3.2	3.2	33	23	112	18
7	---	---	---	2.8	2.5	2.2	2.4	3.3	45	22	95	17
8	---	---	---	2.6	2.6	2.3	2.5	3.8	63	22	58	15
9	---	---	---	2.5	2.6	2.1	2.4	5.2	71	22	43	15
10	---	---	---	2.8	2.7	2.2	2.6	5.2	69	18	48	13
11	---	---	---	3.0	2.2	2.2	2.9	4.9	66	18	45	13
12	---	---	---	2.9	1.9	2.2	2.8	4.5	62	20	41	13
13	---	---	---	2.6	2.1	2.0	3.1	6.0	60	17	33	12
14	---	---	---	2.5	2.2	2.2	2.9	8.8	68	16	32	11
15	---	---	---	2.7	2.3	2.4	2.6	9.6	59	17	57	12
16	---	---	---	2.9	2.1	2.4	2.8	9.9	56	19	48	12
17	---	---	---	3.1	2.2	2.3	2.9	10	58	17	41	12
18	---	---	---	3.0	2.2	2.2	2.5	13	57	16	35	12
19	---	---	---	3.2	2.3	2.2	2.4	19	62	19	32	12
20	---	---	---	3.2	2.2	2.2	2.5	22	57	17	28	14
21	---	---	---	3.0	2.2	2.4	2.8	28	55	16	25	13
22	---	---	---	2.5	2.1	2.4	2.8	37	55	16	23	13
23	---	---	---	2.5	2.0	2.1	2.8	41	54	15	21	12
24	---	---	---	3.2	2.2	2.4	2.8	38	50	14	19	12
25	---	---	---	3.1	2.2	2.5	2.9	30	46	15	18	12
26	---	---	---	3.3	2.3	2.4	2.8	24	43	18	19	11
27	---	---	---	2.7	2.2	2.4	2.8	20	38	29	21	10
28	---	---	---	2.5	2.2	2.2	3.1	22	36	37	29	10
29	---	---	---	2.5	---	2.3	3.1	27	31	34	28	10
30	---	---	---	2.7	---	2.4	3.3	33	27	32	26	9.8
31	---	---	---	2.7	---	2.4	---	38	---	28	24	---
TOTAL				86.7	65.1	70.7	82.0	483.0	1529	676	1167	420.8
MEAN				2.80	2.33	2.28	2.73	15.6	51.0	21.8	37.6	14.0
AC-FT				172	129	140	163	958	3030	1340	2310	835
MAX				3.3	2.8	2.5	3.3	41	71	37	112	23
MIN				2.4	1.9	2.0	2.2	3.1	27	14	18	9.8

PARTIAL YEAR RECORD ONLY

MAX DISCH 198 CFS AT 1830 05-AUG-1999 GH 3.33 FT. SHIFT 0.08 FT. MAX GH 3.33 FT. AT 1830 05-AUG-1999

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



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

SAN ISABEL CREEK near CRESTONE, CO

LOCATION.--Lat 38°02'04", long 105°43'03"

DRAINAGE AREA.--5.7 mi².

GAGE.--Station established in 1999 with the installation of 4' diameter CMP stilling well and shelter. Satellite monitoring system installed on Apr. 01, 1999 with a chart recorder backup installed on Apr. 27, 1999. Elevation of gage is 8200 ft.

REMARKS.--Stage record good from Apr. 1-Sep. 30, 1999, except May 22-Jun. 7, 1999, when intakes were plugged. Record considered fair except for those periods of no stage data and plugged inlets, which should be considered poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--SANCRECOT USED FROM 25-MAR-1999 TO 30-SEP-1999

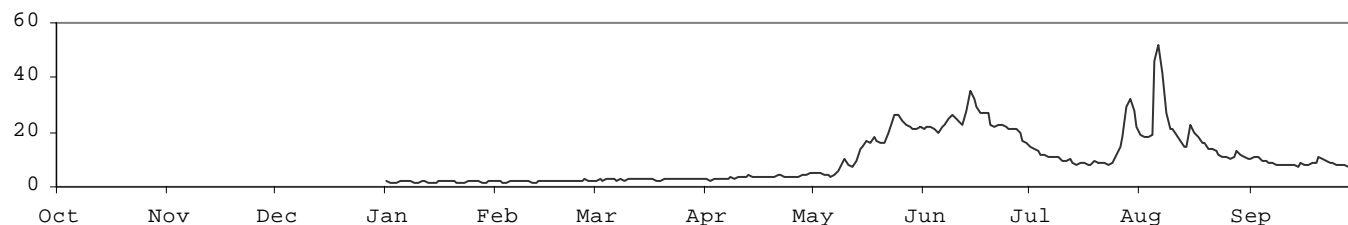
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	1.9	2.0	2.5	2.8	5.3	21	15	19	10
2	---	---	---	1.8	1.9	2.6	2.5	5.2	22	14	18	11
3	---	---	---	1.7	1.7	2.4	3.0	5.0	22	13	18	11
4	---	---	---	1.7	1.8	2.7	3.1	4.7	21	12	19	9.8
5	---	---	---	1.9	2.1	2.6	2.9	4.3	20	12	46	9.4
6	---	---	---	2.0	2.1	2.6	2.8	4.0	22	11	52	8.8
7	---	---	---	2.0	2.1	2.5	3.1	4.3	23	11	42	8.5
8	---	---	---	1.9	2.2	2.6	3.3	5.9	25	11	27	8.3
9	---	---	---	1.8	2.1	2.4	3.1	8.8	26	11	21	8.1
10	---	---	---	1.8	2.1	2.6	3.3	9.9	25	9.5	21	8.0
11	---	---	---	2.0	1.8	2.6	3.4	8.3	24	9.7	19	8.1
12	---	---	---	1.9	1.7	2.7	3.8	7.3	23	10	17	8.1
13	---	---	---	1.8	1.9	2.6	4.3	9.3	28	8.7	15	7.8
14	---	---	---	1.7	2.0	2.7	4.0	14	35	8.4	15	7.6
15	---	---	---	1.8	2.1	2.7	3.8	15	32	9.1	23	9.0
16	---	---	---	1.9	2.0	2.9	4.0	17	29	9.0	20	8.2
17	---	---	---	2.1	2.1	2.6	4.0	16	27	8.3	18	8.2
18	---	---	---	2.2	2.3	2.5	3.5	18	27	8.1	16	8.8
19	---	---	---	2.1	2.5	2.5	3.6	17	27	9.5	16	9.0
20	---	---	---	2.0	2.3	2.7	4.0	16	23	9.1	14	11
21	---	---	---	1.8	2.3	2.7	4.2	16	22	8.6	14	10
22	---	---	---	1.7	2.2	2.7	4.1	20	23	8.6	13	9.2
23	---	---	---	1.7	2.1	2.6	3.8	24	23	8.1	12	8.9
24	---	---	---	1.9	2.4	2.6	3.8	26	22	8.7	11	8.7
25	---	---	---	2.1	2.4	2.6	3.9	26	21	12	11	8.1
26	---	---	---	2.1	2.6	2.8	3.7	24	21	15	10	7.9
27	---	---	---	1.9	2.5	2.8	3.7	23	21	18	11	7.7
28	---	---	---	1.8	2.4	2.8	4.3	22	20	29	13	7.4
29	---	---	---	1.8	---	2.9	4.5	21	17	32	12	7.3
30	---	---	---	1.9	---	3.0	5.3	21	16	28	11	7.0
31	---	---	---	2.0	---	3.0	---	22	---	22	10	---
TOTAL				58.7	59.7	82.5	109.6	440.3	708	399.4	584	260.9
MEAN				1.89	2.13	2.66	3.65	14.2	23.6	12.9	18.8	8.70
AC-FT				116	118	164	217	873	1400	792	1160	517
MAX				2.2	2.6	3.0	5.3	26	35	32	52	11
MIN				1.7	1.7	2.4	2.5	4.0	16	8.1	10	7.0

PARTIAL YEAR RECORD ONLY

MAX DISCH 64 CFS AT 1845 05-AUG-1999 GH 4.72 FT. SHIFT -0.23 FT. MAX GH 4.72 FT. AT 1845 05-AUG-1999

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 Dec. 5, 1998-Mar. 3, 1999, Mar. 5, 8, 12, 1999. 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-1998 TO 30-SEP-1999

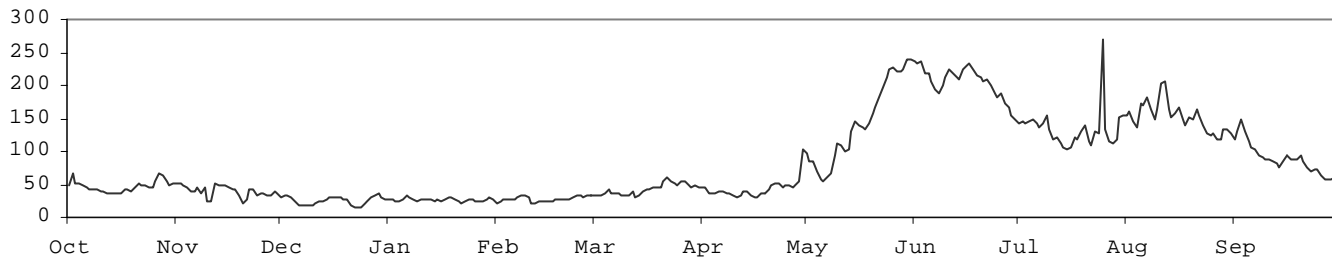
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	51	29	27	22	34	45	96	236	142	154	117
2	68	51	32	26	25	32	44	86	234	144	161	131
3	53	50	33	23	27	34	35	84	236	143	145	147
4	51	44	29	24	27	37	35	69	219	144	137	131
5	49	40	25	26	28	41	36	58	217	148	173	114
6	45	38	18	32	27	37	38	55	205	143	171	106
7	42	45	17	30	29	35	38	60	194	136	183	102
8	43	36	17	27	33	37	37	67	188	142	164	95
9	42	46	17	25	34	32	36	94	199	154	147	91
10	40	25	19	26	30	34	32	112	212	133	164	88
11	39	24	21	27	20	34	30	108	223	119	203	87
12	37	52	24	27	21	38	32	100	217	120	205	86
13	37	48	25	26	23	31	39	103	213	112	164	81
14	37	49	27	25	25	34	39	131	208	106	153	77
15	37	48	29	26	24	38	34	146	224	103	158	85
16	36	45	31	25	23	42	29	140	229	107	167	93
17	43	43	30	27	24	43	30	135	234	120	149	89
18	42	42	30	29	27	45	36	132	225	117	140	87
19	38	33	27	31	28	44	36	142	216	131	153	87
20	46	21	26	28	27	46	41	159	211	138	150	95
21	51	28	18	25	28	55	49	168	207	115	163	85
22	48	42	14	21	26	61	53	182	208	110	156	75
23	48	42	15	24	29	56	52	196	201	131	139	71
24	46	33	16	28	32	53	46	212	189	128	128	73
25	45	36	22	26	34	49	50	223	181	269	124	74
26	56	37	25	25	30	55	50	226	189	134	126	64
27	67	34	29	23	32	54	45	222	174	116	118	59
28	65	34	34	24	32	47	48	220	168	111	117	57
29	55	39	35	26	---	44	54	223	156	117	134	59
30	50	35	31	29	---	47	103	239	148	151	133	61
31	52	---	28	26	---	46	---	238	---	155	128	---
TOTAL	1458	1191	773	814	767	1315	1272	4426	6161	4139	4707	2667
MEAN	47.0	39.7	24.9	26.3	27.4	42.4	42.4	143	205	134	152	88.9
AC-FT	2890	2360	1530	1610	1520	2610	2520	8780	12220	8210	9340	5290
MAX	68	52	35	32	34	61	103	239	236	269	205	147
MIN	36	21	14	21	20	31	29	55	148	103	117	57

CAL YR 1998 TOTAL 25105 MEAN 68.8 MAX 227 MIN 14 AC-FT 49800
WTR YR 1999 TOTAL 29690 MEAN 81.3 MAX 269 MIN 14 AC-FT 58890

MAX DISCH 1225 CFS AT 1815 25-JUL-1999 GH 5.53 FT. SHIFT -0.26 FT. MAX GH 5.53 FT. AT 1815 25-JUL-1999

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 Nov. 11-18; Dec. 8-14, 1998; Mar. 7-9, 1999 when clock was stopping; Dec. 17, 1998-Feb. 9, 1999 when station was closed for the winter. Stage-discharge relation affected by ice Nov. 9-10; Dec. 15-16, 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.--NOCRESO09 USED FROM 01-OCT-1998 TO 19-OCT-1998
 NOCRESO10 USED FROM 20-OCT-1998 TO 30-SEP-1999

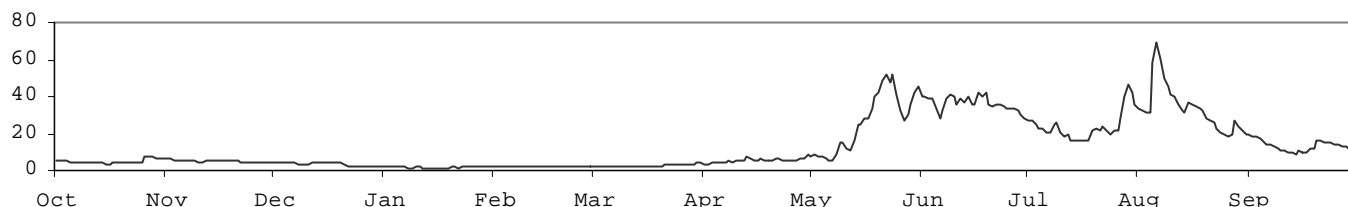
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	6.2	4.0	1.9	2.0	2.1	3.6	8.1	40	27	34	19
2	5.6	6.5	4.0	1.7	2.0	2.0	3.3	8.5	40	27	32	18
3	5.2	5.9	4.0	1.7	2.1	2.0	4.7	8.1	39	25	31	18
4	5.6	5.6	4.0	1.8	2.1	2.0	4.2	7.8	39	23	31	17
5	4.8	5.4	3.8	1.9	2.1	2.0	3.8	6.5	34	23	58	15
6	4.6	5.4	3.8	1.9	1.9	2.0	4.2	5.4	28	21	69	14
7	4.8	5.4	3.8	1.7	1.9	1.9	4.2	5.9	32	21	61	14
8	4.8	5.4	3.7	1.6	2.0	1.9	4.9	9.1	39	25	50	13
9	4.6	5.2	3.7	1.6	2.0	1.9	4.5	15	41	26	45	12
10	4.4	4.8	3.7	1.7	2.2	2.0	5.0	15	40	21	41	11
11	4.1	4.8	3.7	1.7	2.6	2.0	5.1	12	36	18	40	11
12	3.8	5.0	3.8	1.6	2.3	2.0	5.9	11	39	19	36	10
13	3.8	5.2	3.9	1.5	2.5	2.1	7.1	16	37	16	32	9.2
14	3.8	5.4	3.9	1.5	2.5	2.1	6.5	25	40	16	31	8.9
15	3.6	5.4	3.8	1.5	2.3	2.2	5.9	25	36	16	37	11
16	3.6	5.2	3.8	1.5	2.2	2.3	5.6	28	36	16	36	10
17	3.8	5.2	3.8	1.5	2.2	2.3	6.0	28	42	16	35	10
18	3.8	5.0	3.8	1.6	2.2	2.3	5.1	34	40	16	34	12
19	3.8	4.9	3.8	1.6	2.2	2.3	5.1	40	42	22	32	12
20	4.2	4.9	3.8	1.7	2.1	2.5	5.9	42	36	23	28	16
21	4.0	5.1	3.3	1.7	2.1	2.8	6.5	49	35	22	27	16
22	4.2	4.5	2.4	1.6	2.0	2.9	6.2	52	36	24	26	15
23	4.2	4.5	2.1	1.7	2.0	2.9	5.6	48	36	22	23	15
24	4.2	4.2	1.9	1.9	2.0	2.9	5.4	52	35	20	21	15
25	4.7	4.2	1.9	1.9	2.0	3.3	5.9	41	34	22	20	14
26	7.8	4.2	1.9	1.8	2.0	3.6	5.4	32	33	22	18	14
27	8.1	4.2	2.0	1.8	2.0	3.4	5.4	27	33	28	20	13
28	7.8	4.2	2.0	1.9	2.0	3.3	6.2	30	32	40	27	13
29	6.8	4.2	2.2	2.1	---	3.3	6.8	36	30	46	24	12
30	6.5	4.0	2.1	2.0	---	3.8	8.9	42	28	42	22	12
31	6.2	---	1.9	2.0	---	3.8	---	45	---	36	20	---
TOTAL	152.4	150.1	100.3	53.6	59.5	77.9	162.9	804.4	1088	741	1041	400.1
MEAN	4.92	5.00	3.24	1.73	2.13	2.51	5.43	25.9	36.3	23.9	33.6	13.3
AC-FT	302	298	199	106	118	155	323	1600	2160	1470	2060	794
MAX	8.1	6.5	4.0	2.1	2.6	3.8	8.9	52	42	46	69	19
MIN	3.6	4.0	1.9	1.5	1.9	1.9	3.3	5.4	28	16	18	8.9

CAL YR 1998 TOTAL 4864.3 MEAN 13.3 MAX 93 MIN 1.7 AC-FT 9650
 WTR YR 1999 TOTAL 4831.2 MEAN 13.2 MAX 69 MIN 1.5 AC-FT 9580

MAX DISCH 75 CFS AT 2000 06-AUG-1999 GH 2.27 FT. SHIFT 0.09 FT. MAX GH 2.33 FT. AT 1900 21-MAY-1999

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



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
SOUTH CRESTONE CREEK near CRESTONE, CO

LOCATION.--Lat 37°58'55", long 105°42'41"

DRAINAGE AREA.--4.6 mi².

GAGE.--2' diameter CMP installed as stilling well with small shelter on top for equipment at an existing 2.5' Parshall flume. Satellite monitoring system installed and put into operation Apr. 6, 1999. Elevation of gage is 7740 ft.

REMARKS.--Gage-height data good from Apr. 7-Sep. 30, 1999, except for the following periods: June 27-28, 1999 when not all data transmitted. July 29-Aug. 5, 1999, when high water moved rocks into and above flume and the intake plugged. Aug. 24-Sep. 11, 1999 when DCP malfunctioned. Record good, except for periods of missing or incomplete gage-height data, which is poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--SOUCRECO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

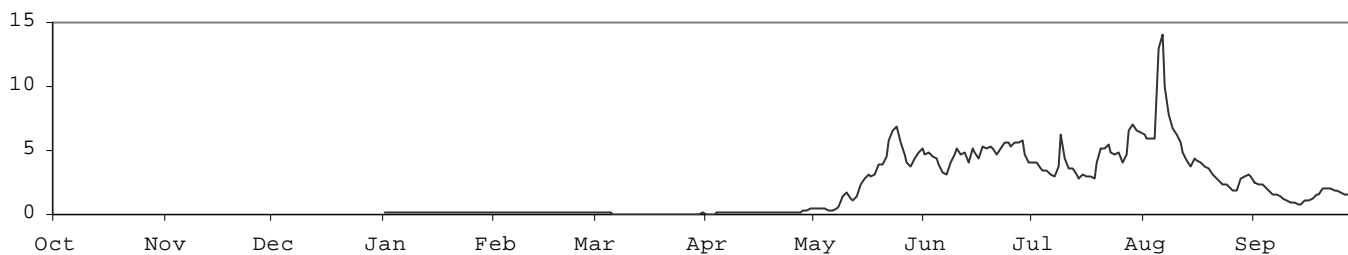
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.15	0.12	0.09	0.07	0.48	4.7	4.0	6.2	2.5
2	---	---	---	0.14	0.10	0.09	0.06	0.52	4.8	4.1	6.0	2.4
3	---	---	---	0.13	0.11	0.08	0.06	0.49	4.5	3.6	6.0	2.4
4	---	---	---	0.14	0.12	0.08	0.09	0.44	4.3	3.5	6.0	2.0
5	---	---	---	0.16	0.12	0.08	0.12	0.35	3.9	3.4	13	1.9
6	---	---	---	0.17	0.12	0.07	0.15	0.32	3.3	3.2	14	1.6
7	---	---	---	0.16	0.12	0.06	0.18	0.43	3.2	3.0	10	1.5
8	---	---	---	0.14	0.13	0.06	0.21	0.69	4.0	3.7	7.8	1.4
9	---	---	---	0.13	0.14	0.05	0.17	1.4	4.7	6.3	6.7	1.2
10	---	---	---	0.14	0.10	0.05	0.16	1.7	5.1	4.4	6.2	1.1
11	---	---	---	0.16	0.09	0.05	0.16	1.2	4.7	3.6	5.6	1.0
12	---	---	---	0.15	0.08	0.05	0.12	1.1	4.8	3.6	4.9	0.96
13	---	---	---	0.14	0.08	0.04	0.20	1.4	4.0	3.2	4.2	0.81
14	---	---	---	0.12	0.09	0.04	0.17	2.4	5.1	2.8	3.7	0.74
15	---	---	---	0.14	0.09	0.04	0.15	2.8	4.9	3.1	4.3	1.1
16	---	---	---	0.14	0.08	0.04	0.16	3.1	4.3	2.9	4.2	1.1
17	---	---	---	0.15	0.08	0.04	0.20	3.0	5.3	3.0	4.0	1.2
18	---	---	---	0.16	0.08	0.04	0.11	3.2	5.2	2.8	3.8	1.6
19	---	---	---	0.15	0.08	0.03	0.10	3.9	5.3	4.0	3.6	1.6
20	---	---	---	0.13	0.08	0.03	0.12	3.9	5.1	5.1	3.2	2.0
21	---	---	---	0.12	0.08	0.03	0.17	4.5	4.7	5.1	3.0	2.0
22	---	---	---	0.11	0.08	0.02	0.20	5.8	5.1	5.4	2.6	2.0
23	---	---	---	0.12	0.08	0.02	0.15	6.5	5.6	4.9	2.4	1.9
24	---	---	---	0.12	0.08	0.02	0.17	6.8	5.6	4.7	2.3	1.8
25	---	---	---	0.13	0.08	0.01	0.19	5.6	5.3	4.8	2.1	1.7
26	---	---	---	0.12	0.08	0.01	0.12	4.7	5.7	4.1	1.9	1.6
27	---	---	---	0.12	0.08	0.01	0.18	4.1	5.7	4.7	1.8	1.5
28	---	---	---	0.11	0.08	0.01	0.28	3.8	5.8	6.5	2.8	1.4
29	---	---	---	0.11	---	0.02	0.26	4.4	4.7	7.0	3.0	1.4
30	---	---	---	0.12	---	0.03	0.49	4.8	4.1	6.6	3.1	1.4
31	---	---	---	0.12	---	0.08	---	5.2	---	6.4	3.0	---
TOTAL				4.20	2.65	1.37	4.98	89.01	143.5	133.5	151.4	46.81
MEAN				0.14	0.09	0.04	0.17	2.87	4.78	4.31	4.88	1.56
AC-FT				8.3	5.3	2.7	9.9	177	285	265	300	93
MAX				0.17	0.14	0.09	0.49	6.8	5.8	7.0	14	2.5
MIN				0.11	0.08	0.01	0.06	0.32	3.2	2.8	1.8	0.74

PARTIAL YEAR RECORD ONLY

MAX DISCH 15 CFS AT 0300 06-AUG-1999 GH 1.32 FT. SHIFT -0.01 FT. MAX GH 1.32 FT. AT 0300 06-AUG-1999

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



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
WILLOW CREEK near CRESTONE, CO

LOCATION.--Lat 37°57'29", long 105°41'59"

DRAINAGE AREA.--8.0 mi².

GAGE.--Station installed in 1999 with a 2' diameter CMP stilling well with a small steel box structure on top for equipment. Satellite monitoring system installed and put into operation April 1, 1999. Elevation of gage is 7740 ft.

REMARKS.--Gage-height record complete and reliable for the Apr. 1-Sep. 30, 1999 period, except June 27-28, 1999 when equipment malfunctioned. Record fair, except periods when gage heights are missing, which are poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--WILCRECO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

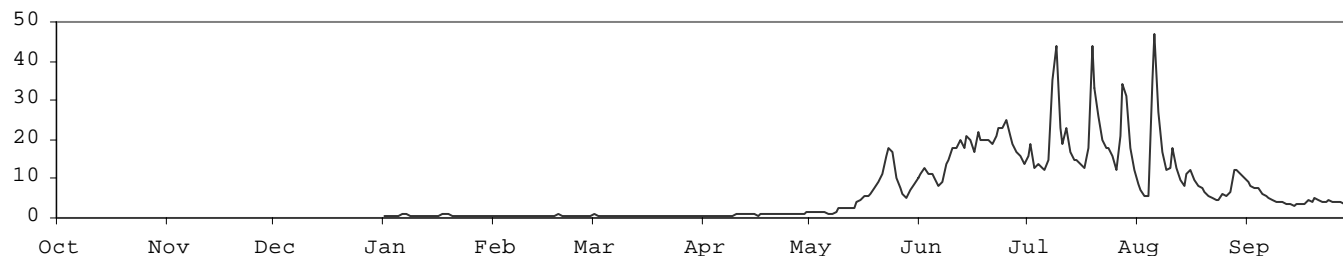
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.75	0.66	0.78	0.54	1.6	11	16	8.8	9.0
2	---	---	---	0.70	0.66	0.70	0.55	1.7	13	19	6.9	8.1
3	---	---	---	0.64	0.66	0.72	0.48	1.6	11	13	5.7	7.7
4	---	---	---	0.66	0.70	0.74	0.47	1.5	11	14	5.7	7.4
5	---	---	---	0.72	0.70	0.70	0.52	1.4	10	13	35	6.2
6	---	---	---	0.78	0.70	0.66	0.53	1.1	8.1	12	47	5.6
7	---	---	---	0.78	0.67	0.66	0.63	1.1	9.4	15	27	4.9
8	---	---	---	0.70	0.62	0.62	0.72	1.4	14	35	17	4.6
9	---	---	---	0.68	0.60	0.64	0.75	2.3	15	44	12	4.2
10	---	---	---	0.76	0.56	0.64	0.78	2.8	18	23	13	3.9
11	---	---	---	0.76	0.56	0.58	0.90	2.8	18	19	18	3.9
12	---	---	---	0.70	0.63	0.55	0.92	2.6	20	23	13	3.7
13	---	---	---	0.70	0.68	0.55	0.78	2.7	18	17	9.8	3.4
14	---	---	---	0.68	0.70	0.54	0.83	3.9	21	15	8.1	3.1
15	---	---	---	0.70	0.73	0.54	0.85	4.6	20	15	11	3.8
16	---	---	---	0.71	0.72	0.54	0.74	5.6	17	14	12	3.5
17	---	---	---	0.80	0.70	0.50	0.92	5.8	22	13	9.8	3.7
18	---	---	---	0.77	0.69	0.44	0.86	6.0	20	18	8.3	4.5
19	---	---	---	0.80	0.78	0.43	0.85	7.9	20	44	7.4	4.3
20	---	---	---	0.76	0.68	0.42	0.85	9.0	20	33	6.4	4.9
21	---	---	---	0.70	0.71	0.41	0.85	11	19	26	5.7	4.4
22	---	---	---	0.65	0.66	0.39	0.85	16	21	20	5.0	4.2
23	---	---	---	0.70	0.70	0.38	0.86	18	23	18	4.4	4.2
24	---	---	---	0.66	0.75	0.39	0.88	17	23	18	4.7	4.4
25	---	---	---	0.62	0.76	0.42	1.0	10	25	16	6.2	4.3
26	---	---	---	0.62	0.74	0.45	0.91	7.6	21	12	5.5	4.1
27	---	---	---	0.63	0.74	0.49	1.1	5.9	19	21	6.5	3.9
28	---	---	---	0.64	0.76	0.48	1.2	5.0	17	34	12	3.8
29	---	---	---	0.65	---	0.52	1.1	7.2	16	31	12	3.7
30	---	---	---	0.72	---	0.54	1.4	8.9	14	18	11	3.6
31	---	---	---	0.66	---	0.58	---	10	---	12	10	---
TOTAL				21.80	19.22	17.00	24.59	184.0	514.5	641	364.9	141.0
MEAN				0.70	0.69	0.55	0.82	5.94	17.1	20.7	11.8	4.70
AC-FT				43	38	34	49	365	1020	1270	724	280
MAX				0.80	0.78	0.78	1.4	18	25	44	47	9.0
MIN				0.62	0.56	0.38	0.47	1.1	8.1	12	4.4	3.1

PARTIAL YEAR RECORD ONLY

MAX DISCH 67 CFS AT 1915 27-JUL-1999 GH 3.11 FT. SHIFT 0.29 FT. MAX GH 3.18 FT. AT 0145 09-JUL-1999

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



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
SPANISH CREEK near CRESTONE, CO

LOCATION.--Lat 37°57'10", long 105°39'42"

DRAINAGE AREA.--2.4 mi².

GAGE.--Station installed in 1999 on a 2' diameter CMP stilling well with a small steel box on top for equipment. Satellite monitoring system was installed and in operation on April 1, 1999. Elevation of gage is 8240 ft.

REMARKS.--Gage-height record complete and reliable for the Apr. 1-Sep. 30, 1999 period, except Apr. 1-10, 1999 when the control was being worked on; June 27-28; Sep. 12-17, 1999 when equipment malfunctioned. Record fair, except for periods of no gage heights, or intermittent gage heights, which are poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--SPACRECO01 USED FROM 01-JAN-1999 TO 8-JUL-1999
SPACRECO02 USED FROM 09-JUL-1999 TO 30-SEP-1999

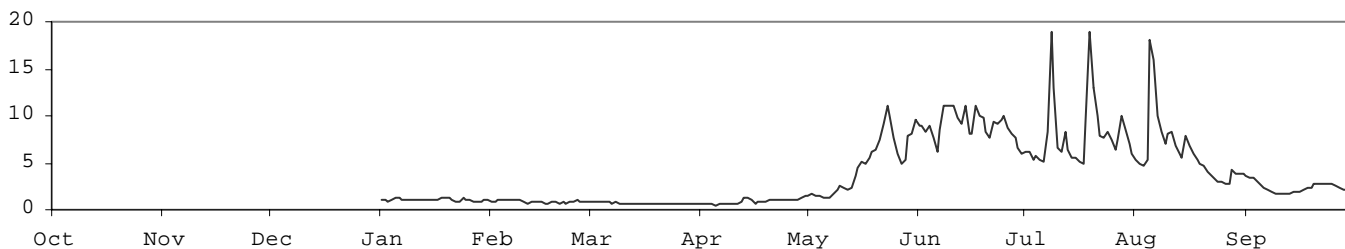
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	1.1	0.90	0.80	0.68	1.5	8.9	6.1	5.4	3.6
2	---	---	---	1.0	0.90	0.90	0.60	1.6	9.0	6.2	5.0	3.5
3	---	---	---	0.90	1.0	0.90	0.56	1.5	8.3	5.4	4.7	3.3
4	---	---	---	1.0	1.0	0.90	0.54	1.5	9.0	5.8	5.4	2.9
5	---	---	---	1.2	1.0	0.80	0.52	1.3	7.7	5.4	18	2.6
6	---	---	---	1.2	1.0	0.80	0.56	1.2	6.2	5.1	16	2.4
7	---	---	---	1.1	1.0	0.74	0.70	1.3	8.6	8.4	10	2.2
8	---	---	---	1.0	1.1	0.78	0.66	1.6	11	19	8.3	2.0
9	---	---	---	1.0	1.1	0.70	0.66	2.2	11	13	7.1	1.8
10	---	---	---	1.1	0.90	0.74	0.54	2.5	11	6.6	8.1	1.8
11	---	---	---	1.1	0.70	0.74	0.64	2.3	11	6.1	8.4	1.7
12	---	---	---	1.0	0.80	0.74	0.91	2.2	9.8	8.3	6.9	1.8
13	---	---	---	1.0	0.80	0.60	1.3	2.4	9.1	6.4	6.0	1.8
14	---	---	---	1.0	0.90	0.66	1.2	3.6	11	5.6	5.6	1.9
15	---	---	---	1.1	0.80	0.70	1.0	4.5	8.1	5.5	7.8	2.0
16	---	---	---	1.1	0.70	0.70	0.65	5.1	8.1	5.1	6.9	2.0
17	---	---	---	1.1	0.70	0.68	0.93	4.9	11	4.8	5.9	2.2
18	---	---	---	1.2	0.80	0.66	0.85	5.5	10	9.5	5.3	2.3
19	---	---	---	1.3	0.80	0.66	0.82	6.1	9.7	19	5.0	2.3
20	---	---	---	1.2	0.70	0.66	0.96	6.3	8.2	13	4.6	2.7
21	---	---	---	1.0	0.80	0.70	1.0	7.5	7.7	9.9	4.1	2.8
22	---	---	---	0.94	0.70	0.68	1.1	9.1	9.4	7.8	3.6	2.8
23	---	---	---	0.95	0.80	0.60	1.0	11	9.1	7.6	3.3	2.7
24	---	---	---	1.2	0.90	0.68	1.1	10	9.6	8.3	3.0	2.7
25	---	---	---	1.1	1.0	0.64	1.1	7.6	10	7.4	2.9	2.7
26	---	---	---	1.0	0.90	0.66	1.0	5.9	8.8	6.3	2.7	2.5
27	---	---	---	0.90	0.90	0.66	1.0	4.9	8.1	7.4	2.8	2.4
28	---	---	---	0.90	0.90	0.60	1.1	5.4	7.6	10	4.3	2.2
29	---	---	---	0.90	---	0.60	1.2	7.8	6.6	8.5	3.9	2.2
30	---	---	---	1.0	---	0.68	1.5	8.1	6.0	7.0	3.8	2.1
31	---	---	---	1.0	---	0.68	---	9.6	---	5.9	3.9	---
TOTAL				32.59	24.50	22.04	26.38	146.0	269.6	250.4	188.7	71.9
MEAN				1.05	0.87	0.71	0.88	4.71	8.99	8.08	6.09	2.40
AC-FT				65	49	44	52	290	535	497	374	143
MAX				1.3	1.1	0.90	1.5	11	11	19	18	3.6
MIN				0.90	0.70	0.60	0.52	1.2	6.0	4.8	2.7	1.7

PARTIAL YEAR RECORD ONLY

MAX DISCH 48 CFS AT 1845 08-JUL-1999 GH 4.01 FT. SHIFT 0.00 FT. MAX GH 4.01 FT. AT 1845 08-JUL-1999

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



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
COTTONWOOD CREEK near CRESTONE, CO

LOCATION.--Lat 37°55'51", long 105°39'05"

DRAINAGE AREA.--5.0 mi².

GAGE.--Station installed on a 2' diameter CMP stilling well with a small steel box on top for equipment at a 6' Parshall flume already on site in 1998. Satellite monitoring system was installed and operational on April 08, 1999. Elevation of gage is 8160 ft.

REMARKS.--Record is complete and reliable from Apr. 8-Sep. 30, 1999, except for the following periods: Apr. 16-30; May 1-5, 1999 when either the well was frozen or the inlet was plugged; May 24, 1999 when the shaft encoder wheel slipped. Records are fair to good, except for periods of no gage height record, which are poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--COCRESCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

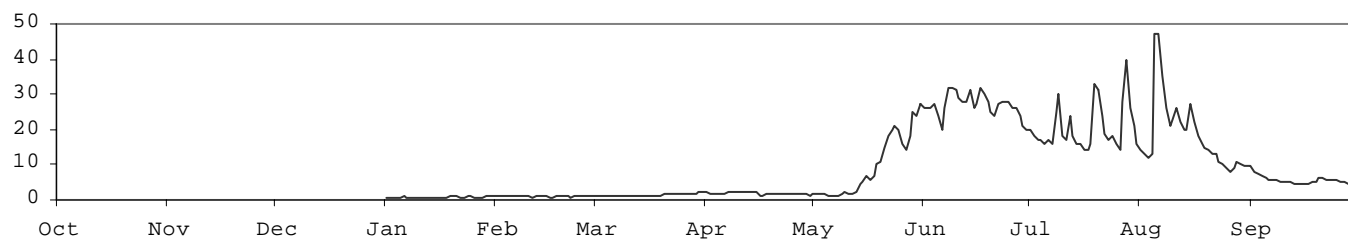
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.80	0.86	1.1	2.1	1.5	26	20	14	9.6
2	---	---	---	0.76	0.88	1.2	1.8	1.5	26	18	13	7.8
3	---	---	---	0.76	0.90	1.1	1.6	1.6	26	17	12	7.5
4	---	---	---	0.78	0.90	1.3	1.6	1.5	27	17	13	6.7
5	---	---	---	0.84	0.90	1.2	1.5	1.3	24	16	47	6.3
6	---	---	---	0.88	0.90	1.2	1.9	1.4	20	17	47	5.9
7	---	---	---	0.84	0.95	1.2	2.4	1.3	26	16	35	5.7
8	---	---	---	0.78	1.0	1.2	2.5	1.4	32	25	26	5.4
9	---	---	---	0.74	1.0	1.1	2.3	1.8	32	30	21	5.2
10	---	---	---	0.82	0.94	1.2	2.1	2.0	31	18	23	5.2
11	---	---	---	0.82	0.82	1.2	2.0	1.8	29	17	26	5.2
12	---	---	---	0.82	0.86	1.2	2.1	1.8	28	24	22	5.0
13	---	---	---	0.78	0.92	1.1	2.1	2.5	28	18	20	4.6
14	---	---	---	0.78	0.92	1.2	2.0	4.7	31	16	20	4.6
15	---	---	---	0.76	0.86	1.4	2.0	5.1	26	16	27	4.7
16	---	---	---	0.76	0.82	1.4	1.4	7.0	27	14	22	4.7
17	---	---	---	0.80	0.82	1.4	1.2	5.8	32	14	18	4.7
18	---	---	---	0.80	0.88	1.4	1.5	7.0	30	16	16	5.1
19	---	---	---	0.90	0.94	1.4	1.6	10	28	33	15	5.2
20	---	---	---	0.86	0.96	1.5	1.6	11	25	31	14	6.4
21	---	---	---	0.86	0.92	1.7	1.7	15	24	24	13	6.4
22	---	---	---	0.74	0.82	1.7	1.6	18	27	19	13	5.7
23	---	---	---	0.78	0.94	1.5	1.6	20	28	17	11	5.4
24	---	---	---	0.94	1.1	1.8	1.7	21	28	18	10	5.5
25	---	---	---	0.90	1.1	1.7	1.5	20	28	16	9.2	5.5
26	---	---	---	0.84	1.2	1.9	1.5	16	26	14	8.2	5.3
27	---	---	---	0.82	1.1	1.9	1.6	14	26	28	9.1	5.0
28	---	---	---	0.82	1.1	1.7	1.6	18	24	40	11	4.8
29	---	---	---	0.86	---	1.7	1.8	25	21	26	10	4.6
30	---	---	---	0.90	---	2.0	1.3	24	20	21	9.5	4.5
31	---	---	---	0.86	---	2.0	---	27	---	16	9.4	---
TOTAL				25.40	26.31	44.6	53.2	290.0	806	632	564.4	168.2
MEAN				0.82	0.94	1.44	1.77	9.35	26.9	20.4	18.2	5.61
AC-FT				50	52	88	106	575	1600	1250	1120	334
MAX				0.94	1.2	2.0	2.5	27	32	40	47	9.6
MIN				0.74	0.82	1.1	1.2	1.3	20	14	8.2	4.5

PARTIAL YEAR RECORD ONLY

MAX DISCH 130 CFS AT 1915 27-JUL-1999 GH 2.74 FT. SHIFT 0.15 FT. MAX GH 2.74 FT. AT 1915 27-JUL-1999

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



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY
DEADMAN CREEK near CRESTONE, CO

LOCATION.--Lat 37°53'05", long 105°38'47"

DRAINAGE AREA.--8.4 mi².

GAGE.--Station installed on a 2' diameter CMP stilling well with a small steel box on top for equipment at a 6' Parshall flume already on site in 1998. Satellite monitoring equipment installed in 1999. Elevation of gage is 7800 ft.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 1-6, 1998 before the DCP was installed; Dec. 7, 1998-Apr. 5, 1999 when station was closed for the winter; Aug. 5, 1999 when there was missing satellite data. Records are fair because of the low number of measurements, except for periods of no gage height record which are fair. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

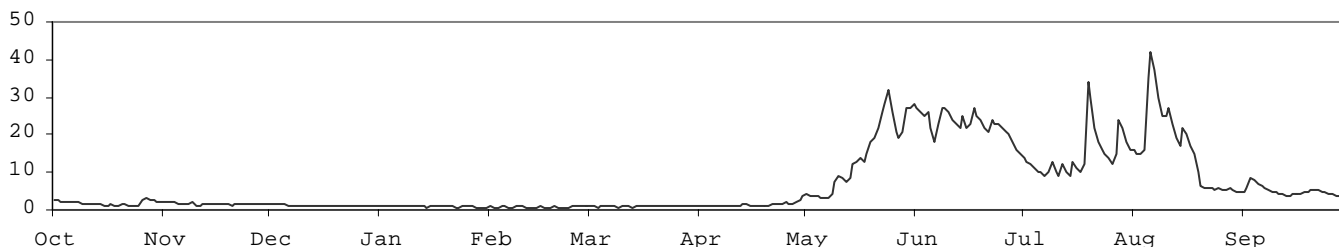
RATING TABLE.--DEDCRECO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	2.1	1.4	0.94	0.80	0.82	1.0	4.0	27	14	16	4.6
2	2.5	2.2	1.4	0.86	0.74	0.84	0.94	3.9	26	13	15	6.0
3	2.3	2.1	1.4	0.80	0.78	0.78	0.90	3.9	25	12	15	8.7
4	2.3	1.9	1.4	0.80	0.80	0.84	0.88	3.8	26	11	16	7.9
5	2.1	1.7	1.4	0.86	0.84	0.80	0.88	3.4	22	10	35	7.1
6	2.0	1.7	1.1	0.90	0.76	0.80	1.0	3.2	18	10	42	6.5
7	2.0	1.7	1.1	0.86	0.76	0.80	1.1	3.2	23	9.2	37	6.0
8	1.9	1.7	0.90	0.88	0.80	0.80	1.2	4.3	27	10	30	5.4
9	1.8	1.9	1.0	0.80	0.80	0.78	1.2	7.4	27	13	25	5.0
10	1.7	1.3	0.90	0.84	0.84	0.80	1.0	9.3	26	9.9	25	4.7
11	1.6	1.3	0.90	0.88	0.76	0.80	1.1	8.5	24	9.0	27	4.5
12	1.5	1.5	1.0	0.88	0.68	0.80	1.2	7.7	23	12	23	4.3
13	1.4	1.7	1.1	0.88	0.72	0.74	1.6	8.5	22	9.9	19	3.9
14	1.4	1.6	1.1	0.78	0.76	0.80	1.4	12	25	9.0	17	3.7
15	1.2	1.6	1.0	0.80	0.80	0.86	1.3	13	22	13	22	4.3
16	1.3	1.7	1.1	0.82	0.72	0.86	1.2	14	23	11	20	4.5
17	1.4	1.7	1.1	0.86	0.76	0.86	1.2	13	27	10	17	4.1
18	1.3	1.6	1.1	0.86	0.76	0.84	1.1	15	25	12	15	4.6
19	1.2	1.6	1.2	0.90	0.82	0.84	1.0	18	24	34	10	4.9
20	1.5	1.2	1.2	0.90	0.76	0.86	1.2	19	22	30	6.6	5.5
21	1.4	1.5	1.1	0.88	0.76	0.92	1.4	22	21	22	6.0	5.4
22	1.3	1.7	0.80	0.78	0.74	0.92	1.7	26	24	18	5.6	5.1
23	1.3	1.6	0.84	0.78	0.72	0.84	1.6	28	23	16	6.0	4.8
24	1.2	1.6	0.82	0.90	0.80	0.94	1.6	32	23	15	5.4	4.7
25	1.3	1.5	0.86	0.90	0.80	0.90	1.9	26	22	14	5.7	4.5
26	2.7	1.4	0.88	0.90	0.84	0.96	1.8	21	21	12	5.1	4.1
27	3.0	1.4	0.90	0.80	0.80	0.96	1.8	19	20	15	5.1	3.8
28	2.9	1.5	0.92	0.74	0.80	0.88	2.3	21	18	24	5.8	3.7
29	2.4	1.6	0.94	0.74	---	0.88	2.5	27	16	22	5.5	3.6
30	2.2	1.4	0.94	0.78	---	1.0	3.7	27	15	18	5.0	3.5
31	2.1	---	0.90	0.78	---	1.0	---	28	---	16	5.0	---
TOTAL	56.8	49.0	32.70	26.08	21.72	26.52	42.70	452.1	687	454.0	492.8	149.4
MEAN	1.83	1.63	1.05	0.84	0.78	0.86	1.42	14.6	22.9	14.6	15.9	4.98
AC-FT	113	97	65	52	43	53	85	897	1360	901	977	296
MAX	3.0	2.2	1.4	0.94	0.84	1.0	3.7	32	27	34	42	8.7
MIN	1.2	1.2	0.80	0.74	0.68	0.74	0.88	3.2	15	9.0	5.0	3.5
CAL YR 1998 TOTAL		138.50	MEAN	0.38	MAX	3.0	MIN	0.80	AC-FT	275		
WTR YR 1999 TOTAL		2490.82	MEAN	6.82	MAX	42	MIN	0.68	AC-FT	4940		

MAX DISCH 55 CFS AT 1645 05-AUG-1999 GH 1.67 FT. SHIFT 0.02 FT. MAX GH 1.67 FT. AT 1645 05-AUG-1999

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



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

BIG SPRING CREEK at MEDANO RANCH near GREAT SAND DUNES NATIONAL MONUMENT

LOCATION.--Lat 37°44'03", long 105°39'50"

DRAINAGE AREA.--0.3 mi². Flow primarily due to groundwater accretions.

GAGE.--Station consists of a 2 ½ foot diameter stilling well at a 4' Parshall flume. Shelter and well are one unit with the top at ground level. Gage-height recorder is a Stevens Datalogger. Flume and station have been in place for several years without records being produced till this year. Elevation of gage is 7580 ft.

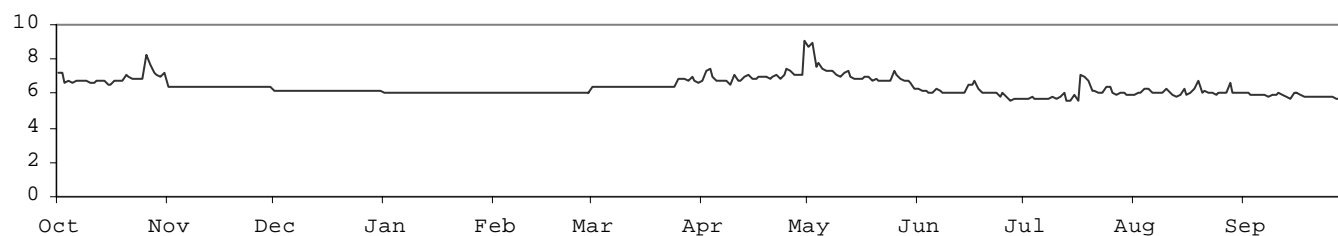
REMARKS.--Gage-height record complete and reliable except for Nov. 1, 1998-Mar. 24, 1999 when the station was closed for the winter. Record good, except for period when the station was closed, which is poor. Station maintained and record developed by Frank Kipple and Div. III Hydrographic Staff.

RATING TABLE.--BIGSPRING01DISCHARGE, IN CFS, WATER YEAR 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	6.4	6.2	6	6	6.4	6.8	8.7	6.3	5.7	5.9	6
2	7.2	6.4	6.2	6	6	6.4	7.3	8.9	6.2	5.7	6	6.1
3	6.6	6.4	6.2	6	6	6.4	7.5	7.6	6.2	5.8	6	5.9
4	6.7	6.4	6.2	6	6	6.4	7	7.8	6	5.7	6.3	5.9
5	6.6	6.4	6.2	6	6	6.4	6.8	7.4	6	5.7	6.3	5.9
6	6.8	6.4	6.2	6	6	6.4	6.8	7.3	6.3	5.7	6.1	5.9
7	6.8	6.4	6.2	6	6	6.4	6.7	7.3	6.2	5.7	6	5.9
8	6.7	6.4	6.2	6	6	6.4	6.7	7.3	6	5.7	6	5.8
9	6.7	6.4	6.2	6	6	6.4	6.5	7.1	6	5.8	6	5.9
10	6.6	6.4	6.2	6	6	6.4	7.1	7	6	5.7	6.3	5.9
11	6.6	6.4	6.2	6	6	6.4	6.8	7.2	6	5.8	6.1	6
12	6.7	6.4	6.2	6	6	6.4	6.8	7.3	6.1	6.1	5.9	5.9
13	6.7	6.4	6.2	6	6	6.4	7	7	6.1	5.6	5.8	5.8
14	6.7	6.4	6.2	6	6	6.4	7.1	6.9	6.1	5.6	5.9	5.7
15	6.5	6.4	6.2	6	6	6.4	6.9	6.9	6.5	5.9	6.3	6
16	6.5	6.4	6.2	6	6	6.4	6.9	6.9	6.5	5.6	5.9	6.1
17	6.7	6.4	6.2	6	6	6.4	7	7	6.8	7.1	6	5.9
18	6.7	6.4	6.2	6	6	6.4	7	7	6.3	7	6.3	5.8
19	6.8	6.4	6.2	6	6	6.4	7	6.8	6	6.8	6.8	5.8
20	7.1	6.4	6.2	6	6	6.4	6.9	6.9	6	6.2	6.1	5.8
21	7	6.4	6.2	6	6	6.4	7	6.8	6.1	6.2	6.2	5.8
22	6.9	6.4	6.2	6	6	6.4	7.1	6.7	6	6	6.1	5.8
23	6.9	6.4	6.2	6	6	6.4	6.9	6.8	6	6.1	6	5.8
24	6.9	6.4	6.2	6	6	6.4	7.1	6.8	5.8	6.4	5.9	5.8
25	6.9	6.4	6.2	6	6	6.9	7.5	7.3	6.1	6.4	6	5.8
26	8.3	6.4	6.2	6	6	6.9	7.3	7.1	5.8	6	6	5.8
27	7.7	6.4	6.2	6	6	6.9	7.1	6.9	5.6	5.9	6.1	5.7
28	7.2	6.4	6.2	6	6	6.8	7.1	6.8	5.7	6	6.6	5.7
29	7.1	6.4	6.2	6	---	7	7.1	6.8	5.7	6.1	6.1	5.8
30	7	6.4	6.2	6	---	6.8	9.1	6.6	5.7	5.9	6.1	5.9
31	7.2	---	6.2	6	---	6.6	---	6.3	---	5.9	6	---
TOTAL	214	192	192.2	186	168	201.5	211.9	221.2	182.1	185.8	189.1	175.9
MEAN	6.9	6.4	6.2	6	6	6.5	7.06	7.14	6.07	5.99	6.1	5.86
AC-FT	424	381	381	369	333	400	420	439	361	369	375	349
MAX	8.3	6.4	6.2	6	6	7	9.1	8.9	6.8	7.1	6.8	6.1
MIN	6.5	6.4	6.2	6	6	6.4	6.5	6.3	5.6	5.6	5.8	5.7
CAL YR 1998	TOTAL		MEAN		MAX		MIN		AC-FT			
WTR YR 1999	TOTAL	2319.7	MEAN	6.36	MAX	9.1	MIN	5.6	AC-FT	4600		

MAX DISCH: 14 CFS AT 15:00 ON Apr. 30, 1999 GH 0.92 FT. SHIFT 0 FT.
MAX GH: 0.92 FT. AT 15:00 ON Apr. 30, 1999

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 and Stevens data logger in a 4' diameter well and shelter. Datum of gage is 8,150 ft. from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 1-19, 1998 when pen quit marking and logger was not collecting data; Nov. 20-22, 25; Dec. 5-16, 1998 when well was frozen; Dec. 17, 1998-Mar. 9, 1999 when station was closed for winter. Stage-discharge relation ice affected Nov. 19, 23-24, 26-30; Dec. 1-4, 1998; Mar. 10-11; Apr. 5, 1999. Record is good except for periods of ice affected record and missing stage data, which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--CARLAGCO15 USED FROM 01-OCT-1998 TO 30-SEP-1999

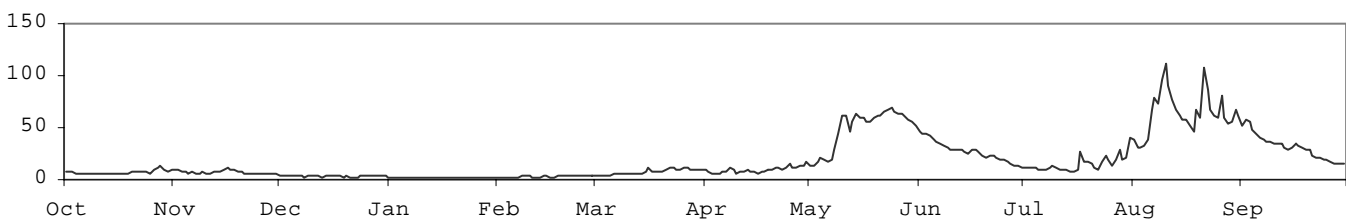
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	9.2	4.6	2.5	2.0	3.8	9.2	14	46	12	38	51
2	7.6	9.6	4.1	2.3	2.1	4.0	7.7	14	45	11	30	57
3	7.0	8.4	4.5	2.3	2.3	4.3	6.6	18	44	11	31	55
4	6.6	7.2	4.0	2.3	2.2	4.8	5.6	22	43	11	33	48
5	6.4	6.5	3.6	2.5	2.4	4.6	6.0	19	38	10	39	44
6	6.2	6.8	3.3	2.6	2.4	5.0	7.3	18	37	9.6	68	41
7	6.2	6.4	3.0	2.4	2.7	5.0	8.3	19	35	9.2	79	39
8	6.2	6.4	2.8	2.3	2.9	5.0	11	28	33	12	74	37
9	6.0	7.4	2.9	2.2	3.0	6.0	9.1	45	31	13	97	36
10	5.7	5.5	3.1	2.1	3.0	6.2	6.2	62	29	12	112	35
11	5.5	5.7	3.2	2.0	2.4	6.4	6.8	62	28	9.6	91	35
12	5.4	6.9	3.0	2.0	2.6	5.3	8.2	47	28	10	77	34
13	5.4	7.1	2.8	2.0	2.8	5.4	10	56	29	9.2	68	31
14	5.4	7.8	2.9	1.9	3.0	5.5	7.9	63	27	8.4	62	28
15	5.2	9.8	3.0	1.9	3.0	8.1	7.2	60	25	8.4	57	31
16	5.4	11	3.0	2.0	2.7	11	6.4	60	28	10	57	34
17	5.4	9.4	3.0	2.0	2.8	8.2	7.3	56	28	26	51	32
18	5.0	9.5	3.0	2.1	3.2	8.2	8.3	55	27	18	47	31
19	5.7	8.0	2.8	2.2	3.3	6.8	9.2	60	24	17	67	29
20	6.8	7.0	3.2	2.2	3.1	7.8	10	62	22	15	60	28
21	7.8	6.0	2.8	2.0	3.3	9.2	12	62	24	11	107	24
22	7.8	6.0	2.6	1.9	2.9	11	11	65	24	10	86	22
23	8.2	6.2	2.8	1.9	3.2	12	10	68	22	18	68	22
24	7.2	6.6	2.9	2.1	3.5	9.8	11	69	19	24	62	20
25	6.5	6.6	2.9	2.0	3.6	10	16	66	20	20	60	20
26	10	6.6	2.9	1.9	3.4	12	11	63	17	14	80	18
27	12	6.4	3.0	1.8	3.6	11	12	63	15	19	59	16
28	13	6.2	3.2	1.9	4.0	10	14	60	14	28	54	16
29	9.6	6.0	3.4	2.0	---	8.8	13	57	13	20	56	16
30	8.4	5.0	3.4	2.2	---	10	18	56	12	21	68	16
31	8.8	---	3.0	2.2	---	10	---	51	---	40	62	---
TOTAL	220.4	217.2	98.7	65.7	81.4	235.2	286.3	1520	827	467.4	2000	946
MEAN	7.11	7.24	3.18	2.12	2.91	7.59	9.54	49.0	27.6	15.1	64.5	31.5
AC-FT	437	431	196	130	161	467	568	3010	1640	927	3970	1880
MAX	13	11	4.6	2.6	4.0	12	18	69	46	40	112	57
MIN	5.0	5.0	2.6	1.8	2.0	3.8	5.6	14	12	8.4	30	16

CAL YR 1998 TOTAL 5063.5 MEAN 13.9 MAX 66 MIN 2.6 AC-FT 10040
WTR YR 1999 TOTAL 6965.3 MEAN 19.1 MAX 112 MIN 1.8 AC-FT 13820

MAX DISCH 234 CFS AT 0150 21-AUG-1999 GH 3.51 FT. SHIFT -0.02 FT. MAX GH 3.51 FT. AT 0150 21-AUG-1999

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°19'05", 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 AND PERIOD OF RECORD.--61 mi². Non-recording station Apr. 01, 1919-June 23, 1927. Recording station from June 1927-Oct. 1998, at which time a Data Logger was installed. April 1999 satellite telemetry system installed. Station at various sites all within ¼ mile of present site.

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,030 ft from topographic map.

REMARKS.--Record is complete and reliable except for Dec. 7-16, 1998 when the well was frozen; Dec. 17, 1998-Mar. 2, 1999 when the station was closed for the winter; Mar. 3-9, 1999 when intakes were frozen. Stage-discharge relation was ice affected Nov. 21, Dec. 1-6, 1998; Mar. 11, 14, 1999. 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-1998 TO 30-SEP-1999

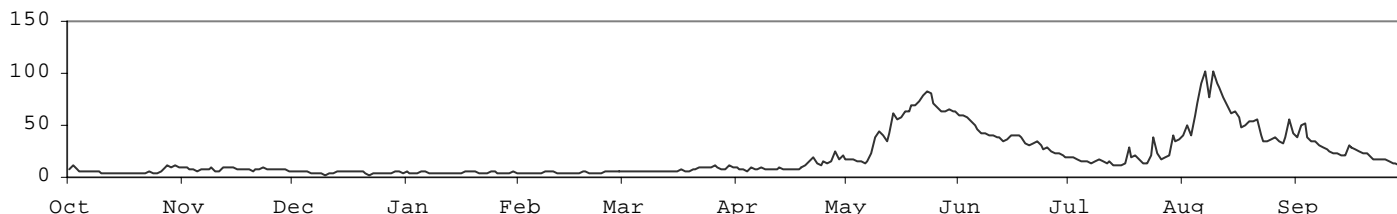
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	10	5.6	5.0	3.5	6.0	9.9	18	60	19	40	39
2	11	10	5.9	4.5	3.5	5.5	8.1	17	60	19	50	50
3	7.7	7.8	5.9	4.0	4.0	6.0	7.4	18	58	17	41	51
4	6.2	8.1	5.6	4.0	4.0	6.5	5.6	16	54	16	60	39
5	5.6	6.6	5.3	5.0	4.5	6.0	8.7	15	50	16	72	35
6	5.3	8.2	4.5	5.0	4.0	6.5	8.2	14	46	15	91	35
7	5.6	6.9	4.0	4.5	4.5	6.0	7.8	15	43	14	101	31
8	5.3	7.3	3.5	4.0	5.0	5.0	9.5	23	43	16	77	28
9	5.0	9.0	3.0	3.5	5.5	5.5	8.5	38	41	17	102	26
10	4.7	5.5	2.5	4.5	5.5	6.1	6.8	44	40	15	91	25
11	4.4	4.9	3.5	4.5	3.5	5.0	7.4	40	39	14	86	24
12	4.4	10	4.0	4.0	4.0	6.0	8.3	34	38	15	77	23
13	4.7	10	5.0	4.0	4.5	6.6	10	42	35	12	70	21
14	4.4	10	5.0	4.0	4.5	5.3	7.6	61	36	11	61	21
15	4.1	9.2	5.0	4.0	4.0	6.4	8.2	56	40	11	64	30
16	3.8	8.6	5.0	4.0	3.5	6.7	7.3	57	40	13	57	28
17	4.4	8.5	5.0	5.0	3.5	7.3	8.4	63	41	28	49	27
18	3.6	7.9	5.5	5.0	5.0	6.2	7.7	63	39	19	50	25
19	3.8	7.2	5.5	5.5	5.0	5.8	8.8	69	33	22	54	24
20	4.7	6.0	5.5	5.0	4.0	6.9	12	70	30	17	53	24
21	4.6	7.0	4.0	4.5	4.5	8.6	16	74	33	14	56	20
22	4.4	8.4	2.5	4.0	4.0	9.3	20	78	35	13	40	17
23	4.9	9.2	3.0	4.0	4.5	8.9	14	82	31	22	34	17
24	4.8	8.4	3.0	5.5	5.0	8.8	12	81	27	39	34	17
25	4.2	8.0	3.5	5.0	5.5	9.2	15	71	28	24	36	17
26	6.5	7.5	3.5	4.5	5.0	12	13	68	25	18	38	15
27	9.6	7.3	4.0	4.0	5.5	9.9	16	63	23	20	35	14
28	11	6.9	4.5	4.0	6.0	8.2	25	64	23	22	32	13
29	8.7	7.4	5.5	4.5	---	8.3	17	66	22	41	38	12
30	11	6.4	5.0	5.0	---	11	22	64	20	35	55	12
31	10	---	4.0	4.5	---	10	---	64	---	37	43	---
TOTAL	186.6	238.2	137.3	138.5	125.5	225.5	336.2	1548	1133	611	1787	760
MEAN	6.02	7.94	4.43	4.47	4.48	7.27	11.2	49.9	37.8	19.7	57.6	25.3
AC-FT	370	472	272	275	249	447	667	3070	2250	1210	3540	1510
MAX	11	10	5.9	5.5	6.0	12	25	82	60	41	102	51
MIN	3.6	4.9	2.5	3.5	3.5	5.0	5.6	14	20	11	32	12

CAL YR 1998 TOTAL 5847.0 MEAN 16.0 MAX 88 MIN 2.5 AC-FT 11600
WTR YR 1999 TOTAL 7226.8 MEAN 19.8 MAX 102 MIN 2.5 AC-FT 14330

MAX DISCH 120 CFS AT 2115 06-AUG-1999 GH 3.00 FT. SHIFT 0.07 FT. MAX GH 3.00 FT. AT 2115 06-AUG-1999

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 Aug. 5, 1999 when there was missing satellite record and the chart recorder was not inking; Dec. 8, 1998-Mar. 4, 1999 when the station was closed for the winter. Stage-discharge relation ice affected Nov. 10-30; Dec. 1-7, 1998; Mar. 5-13, 1999. 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-1998 TO 30-SEP-1999

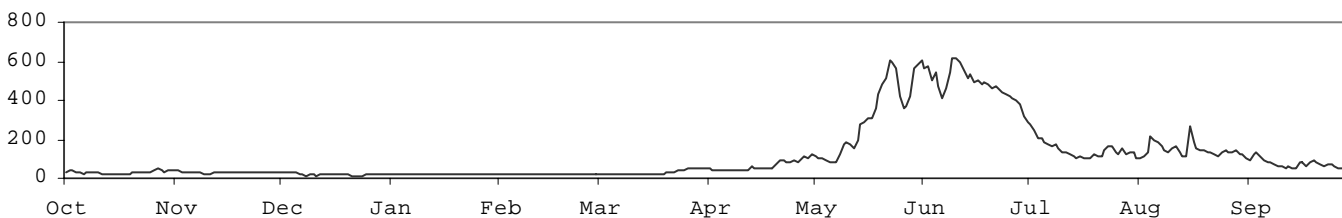
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	38	27	23	18	19	52	116	564	276	106	96
2	37	39	28	19	16	19	46	104	571	242	108	124
3	37	31	27	17	17	18	43	104	506	209	138	137
4	33	30	27	18	19	19	43	94	539	206	219	109
5	29	28	26	18	19	18	40	83	467	187	198	97
6	25	32	23	19	18	17	39	79	410	174	181	87
7	30	30	18	19	18	17	40	86	466	167	167	80
8	30	29	15	18	20	18	43	124	539	174	139	71
9	28	24	17	16	20	17	42	175	614	155	136	64
10	27	23	16	17	19	18	37	187	619	138	156	59
11	25	25	15	18	17	18	38	170	590	133	163	55
12	25	30	18	19	16	17	44	154	557	124	138	64
13	24	29	20	18	17	18	60	190	514	114	116	52
14	24	32	19	16	18	20	53	276	530	107	108	50
15	23	34	21	17	19	22	51	291	497	110	271	79
16	23	32	21	18	18	22	47	308	498	101	187	82
17	21	34	22	20	18	25	48	312	485	100	156	66
18	21	32	22	18	19	25	48	360	489	105	142	84
19	24	29	25	21	20	25	53	428	480	119	148	97
20	29	27	25	21	19	27	70	484	463	108	132	87
21	29	28	15	20	19	29	95	510	470	110	133	73
22	30	30	15	18	18	33	88	602	463	141	123	63
23	30	30	15	16	17	37	79	596	441	169	115	73
24	30	29	15	21	18	41	84	565	435	169	138	70
25	34	29	16	21	19	42	93	419	425	136	143	62
26	41	30	17	19	19	51	85	361	406	120	131	55
27	48	30	19	16	18	52	91	372	403	157	130	51
28	40	30	19	16	18	47	109	422	378	120	148	47
29	35	29	22	17	---	47	102	568	320	134	128	46
30	39	27	22	18	---	54	128	587	288	131	120	45
31	40	---	21	18	---	56	---	602	---	102	106	---
TOTAL	937	900	628	570	511	888	1891	9729	14427	4538	4524	2225
MEAN	30.2	30.0	20.3	18.4	18.3	28.6	63.0	314	481	146	146	74.2
AC-FT	1860	1790	1250	1130	1010	1760	3750	19300	28620	9000	8970	4410
MAX	48	39	28	23	20	56	128	602	619	276	271	137
MIN	21	23	15	16	16	17	37	79	288	100	106	45

CAL YR 1998 TOTAL 32120 MEAN 88.0 MAX 672 MIN 14 AC-FT 63710
WTR YR 1999 TOTAL 41768 MEAN 114 MAX 619 MIN 15 AC-FT 82850

MAX DISCH 845 CFS AT 2230 10-JUN-1999 GH 2.98 FT. SHIFT -0.03 FT. MAX GH 2.98 FT. AT 2230 10-JUN-1999

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. 11, 1998-Jan. 5, 1999 when the well was frozen; Jan. 6-Feb. 5, 1999 when the station was closed for the winter. Record is good except for the periods of ice affected and no gage height record which are poor. Station maintained and record developed by the Division III Hydrographic Staff.

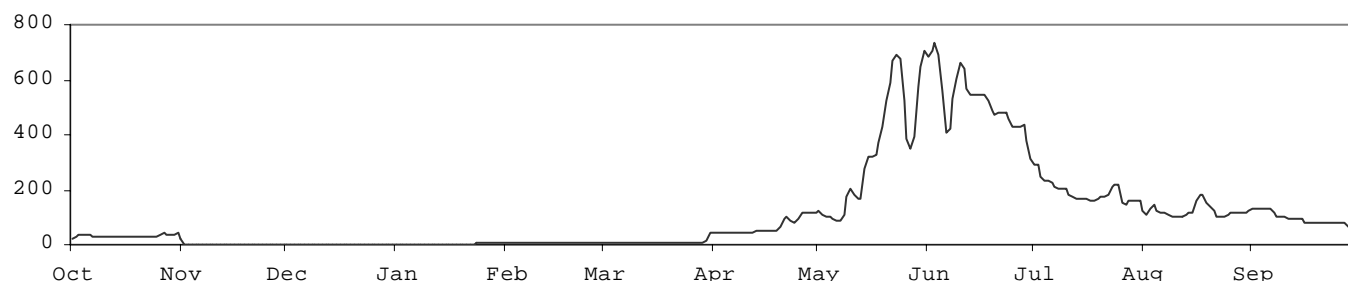
RATING TABLE.--ALABELCO12 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	20	2.0	3.0	3.9	4.8	47	123	680	294	122	130
2	30	1.8	2.0	3.0	3.9	4.8	47	111	708	294	109	130
3	36	1.8	2.0	3.0	4.0	4.9	47	104	736	249	133	130
4	37	1.9	2.0	3.1	4.0	5.0	47	103	690	230	143	129
5	37	1.8	2.0	3.1	4.0	5.0	47	92	558	230	126	128
6	37	1.8	2.0	3.1	4.1	5.1	46	88	405	229	115	128
7	31	1.8	2.1	3.1	4.2	5.0	46	87	423	210	116	113
8	28	1.8	2.2	3.2	4.3	5.0	46	112	528	202	106	105
9	28	1.8	2.2	3.2	4.3	5.0	46	178	607	206	99	105
10	28	1.9	2.2	3.2	4.3	5.0	46	200	663	203	99	104
11	28	1.9	2.3	3.3	4.3	5.0	47	180	643	181	100	98
12	28	1.9	2.3	3.3	4.5	4.9	47	167	569	173	101	95
13	28	1.9	2.3	3.3	4.5	5.0	51	168	542	169	106	95
14	28	1.9	2.4	3.4	4.5	5.0	53	278	544	164	114	95
15	28	1.9	2.4	3.4	4.5	4.9	53	322	544	164	117	91
16	28	1.9	2.4	3.4	4.5	5.0	53	318	543	164	159	82
17	28	1.9	2.5	3.4	4.4	4.9	53	325	542	162	182	78
18	28	1.9	2.5	3.5	4.3	4.9	53	374	521	162	180	78
19	28	1.9	2.5	3.5	4.3	5.0	53	427	485	169	154	78
20	28	2.0	2.6	3.5	4.4	5.0	67	526	474	172	141	78
21	28	2.0	2.6	3.6	4.5	5.0	95	591	478	171	121	78
22	28	2.0	2.6	3.6	4.5	5.2	103	672	477	182	102	78
23	28	2.0	2.7	3.6	4.5	5.2	87	688	477	210	99	78
24	28	2.0	2.7	3.7	4.5	5.1	78	674	455	217	103	78
25	29	2.0	2.7	3.7	4.5	5.2	95	527	430	215	111	78
26	36	2.0	2.8	3.7	4.5	5.2	115	388	429	156	115	78
27	41	2.0	2.8	3.7	4.8	5.4	120	352	430	149	116	78
28	40	2.0	2.8	3.8	4.8	5.3	119	396	434	159	118	66
29	40	2.0	2.9	3.8	---	5.2	119	573	376	160	118	56
30	40	2.0	2.9	3.8	---	18	119	650	315	158	118	56
31	41	---	2.9	3.9	---	47	---	704	---	158	126	---
TOTAL	976	75.5	75.3	105.9	121.8	211.0	2045	10498	15706	5962	3769	2794
MEAN	31.5	2.52	2.43	3.42	4.35	6.81	68.2	339	524	192	122	93.1
AC-FT	1940	150	149	210	242	419	4060	20820	31150	11830	7480	5540
MAX	41	20	2.9	3.9	4.8	47	120	704	736	294	182	130
MIN	25	1.8	2.0	3.0	3.9	4.8	46	87	315	149	99	56
CAL YR 1998 TOTAL		35685.6	MEAN	97.8	MAX	748	MIN	1.8	AC-FT	70780		
WTR YR 1999 TOTAL		42339.5	MEAN	116	MAX	736	MIN	1.8	AC-FT	83980		

MAX DISCH 740 CFS AT 0945 02-JUN-1999 GH 4.68 FT. SHIFT 0.07 FT. MAX GH 4.68 FT. AT 0945 02-JUN-1999

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 in 4' diameter CMP shelter and well. Altitude of gage is 8,130 ft from topographic map.

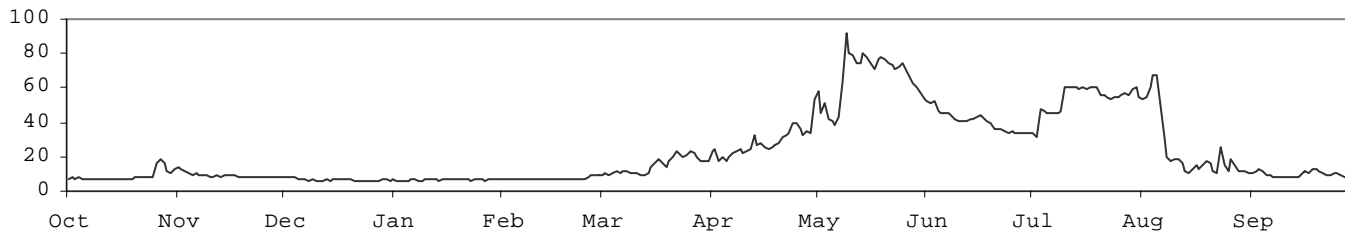
REMARKS.--Record is complete and reliable except for Nov. 13, 1998-Mar. 4, 1999 when the station was closed for the winter; Mar. 6, 12-13, 1999 when the well was frozen for parts of the day. Stage-discharge relation ice affected Nov. 7-12, 1998; Mar. 5, 7-11, 14, 1999. Record is good except for periods 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-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	14	7.6	6.4	6.6	9.6	23	58	52	34	54	10
2	7.8	13	7.8	6.2	6.4	10	25	45	51	31	55	12
3	7.1	12	7.6	6.0	6.6	9.4	17	51	52	48	60	13
4	7.6	11	7.6	6.2	7.0	11	20	42	47	46	67	12
5	7.5	9.5	7.4	6.2	6.8	12	18	41	45	45	67	9.6
6	7.2	10	6.8	6.4	6.8	11	20	38	45	45	49	8.8
7	7.3	8.8	6.4	6.4	6.8	12	22	43	45	45	30	8.5
8	7.1	9.0	6.2	6.2	7.2	12	23	64	43	45	20	8.1
9	7.2	8.8	6.4	6.0	7.2	11	25	92	42	47	17	8.1
10	6.8	8.0	6.2	6.4	7.0	10	22	80	41	61	19	8.1
11	7.1	8.0	6.0	6.6	6.8	10	23	79	41	61	19	8.0
12	7.1	8.8	6.2	6.8	6.6	9.0	25	75	41	60	16	7.9
13	7.1	8.4	6.4	6.6	6.8	9.0	33	75	42	60	12	8.0
14	7.0	8.8	6.2	6.2	7.0	10	27	80	42	59	11	8.2
15	6.9	9.0	6.4	6.4	7.2	14	28	78	43	60	13	10
16	6.9	8.8	6.4	6.6	7.0	16	26	75	44	59	15	12
17	7.3	9.0	6.6	6.8	7.0	19	25	71	42	60	13	11
18	6.9	8.6	6.6	6.4	7.2	16	26	77	41	61	15	13
19	7.2	8.2	7.0	6.8	7.4	14	27	78	39	61	18	13
20	7.6	7.6	7.0	6.8	7.2	17	28	77	36	56	16	12
21	8.4	8.0	6.0	6.6	7.2	20	31	74	36	56	12	10
22	8.7	8.2	5.8	6.4	6.8	23	33	73	36	55	11	9.6
23	8.1	8.4	6.0	6.2	6.6	21	34	71	35	54	26	9.7
24	8.0	8.0	6.0	6.6	7.4	20	39	72	34	55	15	10
25	8.3	8.2	6.2	6.6	8.2	21	39	74	35	55	12	9.9
26	16	8.4	6.2	6.4	9.0	23	36	70	34	56	19	9.3
27	19	8.4	6.2	6.2	9.0	22	33	67	34	57	15	8.6
28	16	8.4	6.2	6.4	9.0	20	35	63	34	56	12	8.3
29	12	8.2	6.4	6.8	---	18	34	60	34	59	12	8.2
30	11	7.6	6.4	7.0	---	18	53	57	34	61	12	8.3
31	13	---	6.2	6.8	---	18	---	54	---	55	11	---
TOTAL	272.7	271.1	202.4	200.4	201.8	466.0	850	2054	1220	1663	743	293.2
MEAN	8.80	9.04	6.53	6.46	7.21	15.0	28.3	66.3	40.7	53.6	24.0	9.77
AC-FT	541	538	401	397	400	924	1690	4070	2420	3300	1470	582
MAX	19	14	7.8	7.0	9.0	23	53	92	52	61	67	13
MIN	6.8	7.6	5.8	6.0	6.4	9.0	17	38	34	31	11	7.9
CAL YR 1998 TOTAL		5663.6	MEAN	15.5	MAX	82	MIN	5.8	AC-FT	11230		
WTR YR 1999 TOTAL		8437.6	MEAN	23.1	MAX	92	MIN	5.8	AC-FT	16740		
MAX DISCH	133 CFS AT 0345	09-MAY-1999	GH	4.45 FT.	SHIFT	-0.01 FT.	MAX GH	4.45 FT.	AT 0345	09-MAY-1999		

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 in a steel shelter and a 24" diameter CMP well at a 3' Parshall Flume.

REMARKS.--Record is complete and reliable except for Oct. 1, 1998; Feb. 22; Apr. 22, 1999 when the chart recorder malfunctioned and there was missing satellite data; Dec. 14, 1998-Feb. 16, 1999 when station was closed for the winter; Dec. 8-13, 1998 when the well was frozen. Stage-discharge relation ice affected Dec. 6-7, 1998. 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-1998 TO 30-SEP-1999

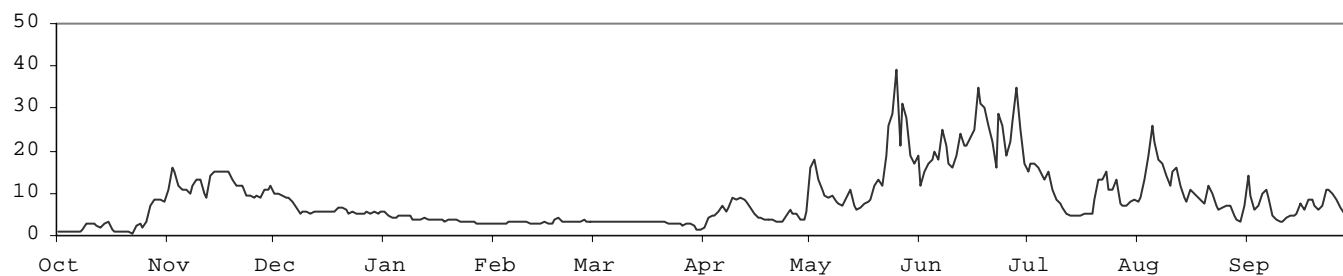
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	11	10	5.6	3.0	3.5	1.7	16	12	15	7.9	14
2	1.1	16	9.7	4.8	2.9	3.4	4.1	18	15	17	9.0	9.4
3	1.0	15	9.3	4.3	3.0	3.4	4.6	13	17	17	13	6.3
4	0.97	12	9.0	4.3	3.0	3.3	4.6	11	18	16	19	7.1
5	0.97	11	9.0	4.5	3.3	3.4	5.6	9.6	20	14	26	10
6	1.0	11	8.0	4.5	3.3	3.3	7.1	9.1	18	13	22	11
7	1.0	10	6.6	4.5	3.1	3.2	5.6	9.3	25	15	18	8.8
8	1.4	12	5.4	4.5	3.3	3.5	6.6	8.1	21	11	17	4.5
9	2.7	13	5.6	4.0	3.3	3.4	8.8	7.5	17	8.3	14	3.6
10	2.7	13	5.6	4.0	3.3	3.3	8.6	7.3	16	7.6	12	3.1
11	3.0	10	5.4	4.0	3.0	3.1	9.1	9.1	19	6.5	15	3.4
12	2.3	8.9	5.6	4.4	2.8	3.3	8.5	11	24	5.2	16	4.2
13	1.8	14	5.6	3.9	3.0	3.2	7.8	7.1	21	4.8	12	4.8
14	2.7	15	5.6	3.6	3.0	3.3	6.4	6.3	21	4.7	9.0	4.5
15	3.2	15	5.6	3.6	3.2	3.3	5.3	6.6	23	4.7	8.2	5.3
16	1.4	15	5.8	3.7	2.8	3.3	4.4	7.5	25	4.8	11	7.6
17	0.96	15	5.8	3.7	3.0	3.2	4.2	8.0	35	5.1	10	6.1
18	0.89	15	5.8	3.5	3.6	3.3	3.6	8.7	31	5.0	9.0	8.3
19	0.85	13	6.4	3.7	4.3	3.3	3.8	12	30	5.1	8.0	8.5
20	0.82	12	6.6	3.7	3.4	3.3	3.6	13	26	8.4	7.5	6.9
21	0.78	12	6.0	3.7	3.5	3.3	3.4	12	22	13	12	6.1
22	0.67	12	5.4	3.5	3.4	2.9	3.3	19	16	13	9.8	7.1
23	2.3	9.4	5.6	3.2	3.1	2.6	3.5	26	29	15	6.9	11
24	2.8	9.6	5.2	3.5	3.4	2.7	4.6	29	26	11	6.2	11
25	1.7	9.0	5.4	3.3	3.4	2.7	6.0	39	19	11	6.4	10
26	3.4	9.2	5.4	3.3	3.7	2.5	5.0	21	22	13	6.9	8.5
27	7.0	9.0	5.6	3.0	3.4	2.8	5.2	31	27	7.6	7.2	6.6
28	8.7	11	5.4	2.9	3.5	2.9	4.0	28	35	7.0	4.8	5.1
29	8.3	11	5.6	3.0	---	2.4	3.9	19	25	7.3	3.6	5.3
30	8.6	12	5.4	3.0	---	1.5	5.6	17	17	7.8	3.5	5.5
31	8.1	---	5.6	3.0	---	1.5	---	19	---	8.3	6.9	---
TOTAL	84.12	361.1	197.0	118.2	91.0	94.1	158.5	458.2	672	302.2	337.8	213.6
MEAN	2.71	12.0	6.35	3.81	3.25	3.04	5.28	14.8	22.4	9.75	10.9	7.12
AC-FT	167	716	391	234	180	187	314	909	1330	599	670	424
MAX	8.7	16	10	5.6	4.3	3.5	9.1	39	35	17	26	14
MIN	0.67	8.9	5.2	2.9	2.8	1.5	1.7	6.3	12	4.7	3.5	3.1

CAL YR 1998 TOTAL 2115.23 MEAN 5.80 MAX 35 MIN 0.67 AC-FT 4200
WTR YR 1999 TOTAL 3087.82 MEAN 8.46 MAX 39 MIN 0.67 AC-FT 6120

MAX DISCH 44 CFS AT 1530 25-MAY-1999 GH 2.24 FT. SHIFT 0.04 FT. MAX GH 2.24 FT. AT 1530 25-MAY-1999

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 in a 36" diameter CMP shelter and well at a 6' Parshall Flume.

REMARKS.--Record is complete and reliable except for Dec. 8-13, 1998 when the well was frozen; Dec. 14, 1998-Feb. 12, 1999 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 10-11; Dec. 6-7, 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.--NORDLSCO03 USED FROM 01-OCT-1998 TO 30-SEP-1999

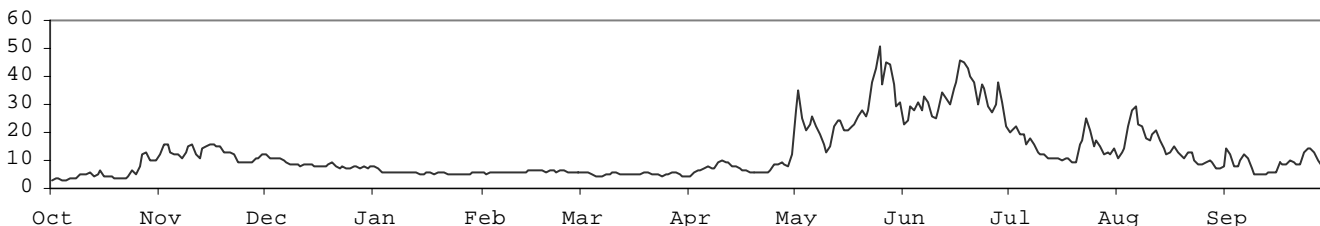
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	12	12	7.6	5.4	6.0	4.2	28	23	20	11	14
2	3.4	16	11	6.8	5.2	6.0	6.0	35	24	21	13	12
3	3.3	16	11	5.8	5.4	5.9	6.7	25	29	22	14	8.2
4	3.2	13	11	5.8	5.4	4.8	6.7	21	28	19	22	8.0
5	3.1	12	11	6.0	5.6	4.6	7.2	23	31	19	28	10
6	3.9	12	10	6.0	5.6	4.6	8.0	26	28	16	29	12
7	3.7	11	9.0	6.0	5.4	4.6	7.0	22	33	18	23	11
8	3.7	13	8.4	6.0	5.6	5.0	7.1	19	31	16	22	7.0
9	4.9	15	8.6	5.6	5.6	5.0	9.0	16	26	13	18	5.3
10	5.1	16	8.6	5.6	5.6	5.4	10	13	25	12	17	4.9
11	5.3	12	8.0	5.6	5.4	5.6	9.2	15	28	12	19	4.8
12	5.5	11	8.4	6.0	5.6	4.9	9.0	22	34	11	21	5.1
13	4.3	14	8.4	5.6	5.8	4.8	8.2	24	32	11	17	5.9
14	4.7	15	8.4	5.2	6.6	4.9	8.1	24	30	11	14	5.8
15	6.1	16	8.0	5.2	6.4	4.9	7.0	21	36	11	12	6.0
16	4.5	16	8.2	5.4	6.1	5.0	6.6	21	38	10	13	9.2
17	4.0	15	8.2	5.4	6.5	4.8	6.5	22	46	11	15	8.5
18	4.0	15	8.2	5.0	6.3	5.2	5.6	23	45	11	13	8.7
19	3.9	13	8.6	5.4	6.0	5.4	5.4	26	43	9.4	12	10
20	3.8	13	9.0	5.4	6.2	5.4	5.5	28	40	9.0	11	9.3
21	3.7	13	8.0	5.4	6.1	5.3	5.4	26	38	16	13	8.8
22	3.7	12	7.4	5.2	5.4	5.1	5.4	28	30	17	13	8.5
23	4.5	9.0	7.6	5.0	6.2	4.8	5.4	38	37	25	10	13
24	6.2	9.2	7.0	5.2	6.3	4.5	6.2	43	36	21	8.5	14
25	5.3	9.5	7.4	5.0	5.9	5.1	8.9	51	29	15	8.5	14
26	7.8	9.2	7.6	5.0	5.7	5.1	8.5	37	27	17	9.1	13
27	12	9.2	7.8	4.8	5.7	5.7	9.4	45	30	15	9.8	10
28	13	11	7.4	4.7	5.9	5.4	8.9	44	38	12	9.0	8.0
29	10	11	7.8	5.4	---	5.2	8.2	37	31	13	7.5	7.7
30	10	12	7.4	5.4	---	4.2	12	29	22	12	7.2	8.1
31	9.7	---	7.6	5.4	---	4.1	---	31	---	14	8.0	---
TOTAL	169.5	381.1	267.0	171.9	162.9	157.3	221.3	863	968	459.4	447.6	270.8
MEAN	5.47	12.7	8.61	5.55	5.82	5.07	7.38	27.8	32.3	14.8	14.4	9.03
AC-FT	336	756	530	341	323	312	439	1710	1920	911	888	537
MAX	13	16	12	7.6	6.6	6.0	12	51	46	25	29	14
MIN	3.1	9.0	7.0	4.7	5.2	4.1	4.2	13	22	9.0	7.2	4.8

CAL YR 1998 TOTAL 3153.6 MEAN 8.64 MAX 36 MIN 1.6 AC-FT 6260
WTR YR 1999 TOTAL 4539.8 MEAN 12.4 MAX 51 MIN 3.1 AC-FT 9000

MAX DISCH 54 CFS AT 1430 25-MAY-1999 GH 1.47 FT. SHIFT 0.20 FT. MAX GH 1.47 FT. AT 1430 25-MAY-1999

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. 14, 1998-Feb. 4, 1999 when the station was closed for the winter. Stage-discharge relation ice affected Dec. 8-13, 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.--RIOTRICO11 USED FROM 01-OCT-1998 TO 30-SEP-1999

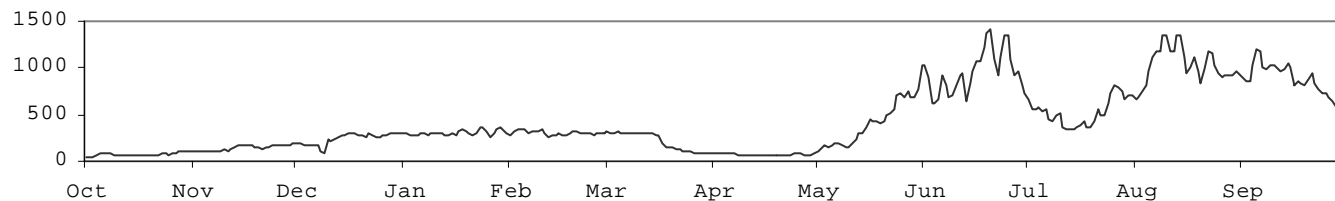
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	104	201	305	285	311	80	109	1020	654	660	906
2	48	106	184	290	315	304	88	150	897	566	685	863
3	52	104	176	270	340	306	91	164	622	556	758	857
4	74	107	175	270	340	312	90	159	618	588	809	1020
5	84	103	174	280	351	299	91	179	654	537	954	1190
6	85	109	172	295	310	298	87	194	926	555	1120	1170
7	96	109	172	290	313	299	76	184	825	451	1170	1010
8	77	112	105	285	329	303	74	173	695	436	1180	982
9	68	117	90	295	328	303	74	152	713	494	1340	1020
10	65	119	230	300	334	301	74	154	804	521	1340	1030
11	62	113	215	310	305	297	74	198	928	370	1170	1010
12	61	118	235	290	253	292	71	239	949	347	1170	974
13	63	143	255	275	269	296	71	296	647	344	1350	982
14	60	163	270	285	284	299	70	304	834	345	1350	1040
15	58	174	285	295	305	285	68	362	957	356	1110	1000
16	55	164	295	270	285	270	68	449	1070	384	941	816
17	56	167	305	315	287	189	67	423	1080	437	1010	852
18	55	165	310	340	294	159	67	438	1220	368	1110	833
19	56	152	280	330	320	148	68	413	1370	372	957	815
20	60	142	280	310	319	140	65	436	1420	418	839	876
21	62	137	255	285	307	126	63	493	1090	565	977	936
22	73	140	310	300	292	123	64	514	930	497	1170	833
23	83	143	275	365	292	111	71	561	1110	483	1160	773
24	77	182	260	360	302	107	79	700	1350	631	1030	739
25	75	181	265	320	285	101	80	733	1340	739	943	721
26	82	173	275	260	297	95	77	681	1090	806	903	688
27	95	170	285	305	296	88	69	740	925	791	918	641
28	101	170	295	335	300	83	64	696	964	750	927	585
29	106	180	295	360	---	83	65	689	825	675	916	568
30	106	192	305	330	---	82	77	780	719	702	968	568
31	101	---	310	305	---	77	---	1030	---	698	940	---
TOTAL	2244	4259	7539	9425	8537	6487	2223	12793	28592	16436	31875	26298
MEAN	72.4	142	243	304	305	209	74.1	413	953	530	1028	877
AC-FT	4450	8450	14950	18690	16930	12870	4410	25370	56710	32600	63220	52160
MAX	106	192	310	365	351	312	91	1030	1420	806	1350	1190
MIN	48	103	90	260	253	77	63	109	618	344	660	568

CAL YR 1998 TOTAL 78980 MEAN 216 MAX 745 MIN 33 AC-FT 156700
WTR YR 1999 TOTAL 156708 MEAN 429 MAX 1420 MIN 48 AC-FT 310800

MAX DISCH 1452 CFS AT 0600 20-JUN-1999 GH 5.54 FT. SHIFT -0.22 FT. MAX GH 5.54 FT. AT 0600 20-JUN-1999

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. Stage-discharge relation was ice affected Nov. 10-13, 21; Dec. 7-10, 21-26, 1998; Jan. 2-4, 7, 9-11, 14-15, 21-23, 27-29, 31; Feb. 2-4, 7, 11-18, 20-21, 23-28; Mar. 1, 3, 7, 9, 13-15; Apr. 3-5, 16-17, 1999. Stage-discharge relation was affected by debris on control June 4-15, 1999. Station maintained and record developed by Div. III Hydrographic Staff.

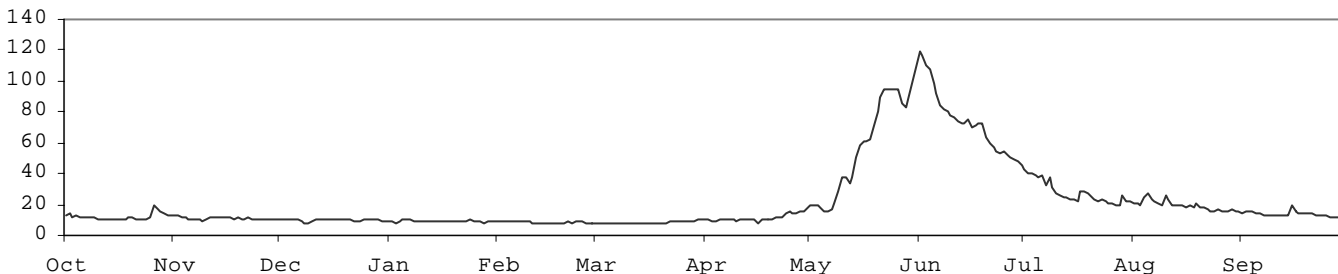
RATING TABLE.--TRITURCO12 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	13	11	9.5	9.0	8.3	11	19	119	43	21	14
2	14	13	11	9.0	8.5	8.1	10	19	117	40	21	15
3	12	12	10	8.0	9.0	8.1	9.4	19	110	40	20	16
4	13	12	11	9.0	9.0	8.3	9.4	18	107	39	24	15
5	12	11	10	10	8.9	8.0	9.8	16	99	37	27	14
6	12	11	10	9.8	8.9	8.1	10	16	92	39	23	14
7	12	11	9.0	10	9.0	8.0	10	17	84	33	22	13
8	12	11	8.0	9.3	8.8	8.1	10	21	82	37	21	13
9	12	9.4	8.0	9.0	8.9	8.1	9.8	28	81	31	20	13
10	11	11	9.0	9.0	8.9	8.0	9.2	37	78	27	26	13
11	11	12	10	9.3	8.0	8.1	9.9	37	77	26	23	13
12	11	12	11	9.3	7.5	7.8	10	34	74	25	20	13
13	11	12	11	9.1	7.5	8.1	11	37	73	24	19	13
14	11	12	11	9.0	8.0	8.1	11	51	72	23	19	13
15	11	12	11	9.0	8.0	8.1	9.9	58	75	23	20	20
16	11	12	11	9.2	8.0	8.2	8.0	61	70	22	18	16
17	11	12	11	9.2	8.0	8.2	10	61	71	29	19	14
18	11	11	11	9.0	8.0	8.1	10	62	73	29	18	14
19	12	12	10	9.0	8.2	8.1	10	71	72	27	21	14
20	12	11	10	9.0	8.0	8.0	11	81	63	25	18	14
21	11	11	10	9.0	8.5	8.4	12	89	60	23	18	14
22	11	12	9.0	8.5	8.3	8.7	12	94	57	22	17	13
23	11	11	9.0	9.0	8.5	8.9	12	95	55	23	16	13
24	11	11	9.0	9.8	8.5	8.9	14	94	53	22	16	13
25	12	11	10	9.4	8.5	9.0	15	94	54	21	17	13
26	19	11	10	8.7	8.0	9.6	14	95	52	21	16	12
27	17	11	11	8.5	8.1	9.7	14	85	50	20	16	12
28	15	11	10	8.0	8.1	9.3	15	83	49	19	16	12
29	14	11	10	8.5	---	9.6	15	88	48	26	17	12
30	13	11	9.7	9.6	---	10	17	99	46	22	15	12
31	13	---	9.4	9.0	---	10	---	109	---	22	15	---
TOTAL	382	343.4	311.1	281.7	234.6	264.0	339.4	1788	2213	860	599	410
MEAN	12.3	11.4	10.0	9.09	8.38	8.52	11.3	57.7	73.8	27.7	19.3	13.7
AC-FT	758	681	617	559	465	524	673	3550	4390	1710	1190	813
MAX	19	13	11	10	9.0	10	17	109	119	43	27	20
MIN	11	9.4	8.0	8.0	7.5	7.8	8.0	16	46	19	15	12
CAL YR 1998 TOTAL		9135.9	MEAN	25.0	MAX	140	MIN	7.2	AC-FT	18120		
WTR YR 1999 TOTAL		8026.2	MEAN	22.0	MAX	119	MIN	7.5	AC-FT	15920		

MAX DISCH 211 CFS AT 1830 08-JUL-1999 GH 2.64 FT. SHIFT -0.12 FT. MAX GH 2.64 FT. AT 1830 08-JUL-1999

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 in a 4' diameter corrugated metal shelter and well.

REMARKS.--Record is complete and reliable except for Apr. 20-22, 1999 when the clock stopped. Record is good except for periods of no gage-height record, which are fair. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TRIMTNC006 USED FROM 01-OCT-1998 TO 30-SEP-1999

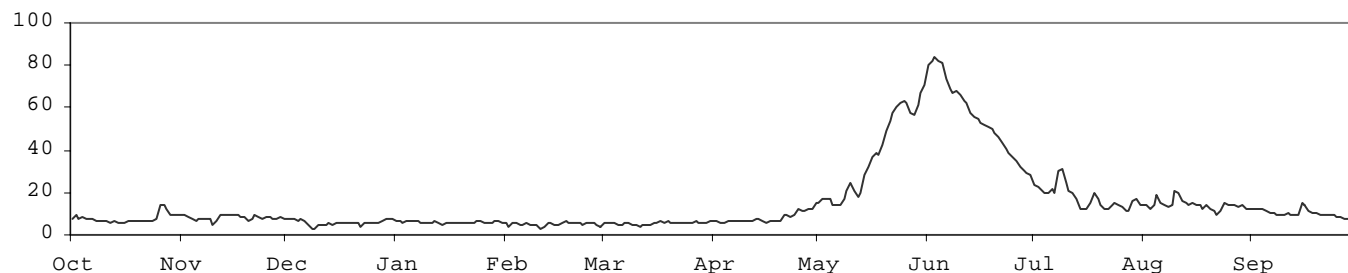
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	9.0	7.4	7.0	5.6	5.2	6.6	15	80	24	14	12
2	9.4	9.4	7.4	6.8	4.2	5.2	6.6	17	82	23	14	12
3	7.8	8.6	7.4	5.6	6.0	5.2	5.2	17	84	22	12	12
4	8.6	7.8	7.0	6.3	6.0	5.2	6.0	17	82	20	14	12
5	7.8	7.0	7.4	7.0	4.9	4.9	6.6	14	81	20	19	11
6	7.4	8.0	6.6	6.3	4.5	4.9	6.6	14	74	22	15	10
7	7.4	7.4	4.6	6.6	6.0	5.2	7.0	14	69	20	14	10
8	7.0	7.8	3.0	5.6	4.9	5.2	6.6	17	67	30	13	9.8
9	6.6	7.8	3.2	5.2	4.9	4.9	7.0	21	68	31	14	9.8
10	6.3	4.9	4.9	5.6	4.9	4.6	6.3	25	66	25	21	9.8
11	6.3	7.0	4.9	6.0	3.2	4.2	6.6	21	63	21	20	10
12	6.0	9.8	4.6	6.6	4.0	4.6	7.0	18	62	20	16	9.4
13	6.3	9.0	5.6	5.6	5.6	4.6	7.4	20	58	17	15	9.4
14	6.0	9.0	4.9	4.9	5.9	4.9	7.8	28	56	12	14	9.8
15	6.0	9.0	6.0	5.6	4.8	6.0	7.0	32	55	12	15	15
16	6.0	9.0	6.0	6.0	4.6	6.0	5.6	37	53	12	14	14
17	6.3	9.0	5.2	6.0	5.8	6.3	6.6	39	52	15	14	11
18	6.3	8.6	5.6	5.6	6.3	6.1	6.6	38	51	20	12	10
19	6.6	8.2	5.6	6.0	6.0	6.3	6.3	42	50	17	14	10
20	7.0	7.0	5.2	6.0	5.2	6.0	7.0	49	48	14	12	9.8
21	6.6	7.9	5.2	6.0	5.2	6.0	9.0	54	46	12	11	9.4
22	6.7	9.4	3.8	5.2	5.2	6.0	9.0	58	43	12	9.8	9.4
23	7.0	8.6	6.0	5.2	4.5	5.6	8.2	60	41	14	11	9.0
24	6.6	7.8	5.6	7.0	5.6	6.0	9.8	62	39	15	15	9.0
25	7.8	8.2	5.6	6.3	5.2	5.6	12	63	37	14	14	8.6
26	14	8.2	6.0	5.8	5.6	6.0	11	62	35	13	14	8.2
27	14	7.8	6.0	5.6	4.9	6.3	11	58	32	11	14	7.8
28	12	7.4	6.6	5.2	4.2	5.6	12	57	30	11	13	7.8
29	9.4	8.2	7.4	6.6	---	5.6	12	61	29	16	14	8.6
30	9.4	7.8	7.4	6.3	---	6.0	15	67	28	17	12	9.8
31	9.0	---	7.4	5.6	---	6.6	---	71	---	14	12	---
TOTAL	241.4	244.6	179.5	185.1	143.7	170.8	241.4	1168	1661	546	435.8	304.4
MEAN	7.79	8.15	5.79	5.97	5.13	5.51	8.05	37.7	55.4	17.6	14.1	10.1
AC-FT	479	485	356	367	285	339	479	2320	3290	1080	864	604
MAX	14	9.8	7.4	7.0	6.3	6.6	15	71	84	31	21	15
MIN	6.0	4.9	3.0	4.9	3.2	4.2	5.2	14	28	11	9.8	7.8

CAL YR 1998 TOTAL 6109.1 MEAN 16.7 MAX 109 MIN 3.0 AC-FT 12120
WTR YR 1999 TOTAL 5521.7 MEAN 15.1 MAX 84 MIN 3.0 AC-FT 10950

MAX DISCH 152 CFS AT 2055 08-JUL-1999 GH 1.77 FT. SHIFT 0.14 FT. MAX GH 1.77 FT. AT 2055 08-JUL-1999

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 in a 4' diameter CMP shelter and well. Altitude of gage is 7,900 ft, from topographic map.

REMARKS.--Record is complete and reliable except for Dec. 24, 1998; Aug. 5, 1999 when the chart recorder clock stopped and there was missing satellite data. Stage-discharge relation was ice affected Nov. 9; Dec. 5-6, 21-22, 28, 31, 1998; Jan. 1-4, 6-12, 14-18, 22-31; Feb. 1-5, 7, 11-23, 1999. 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.

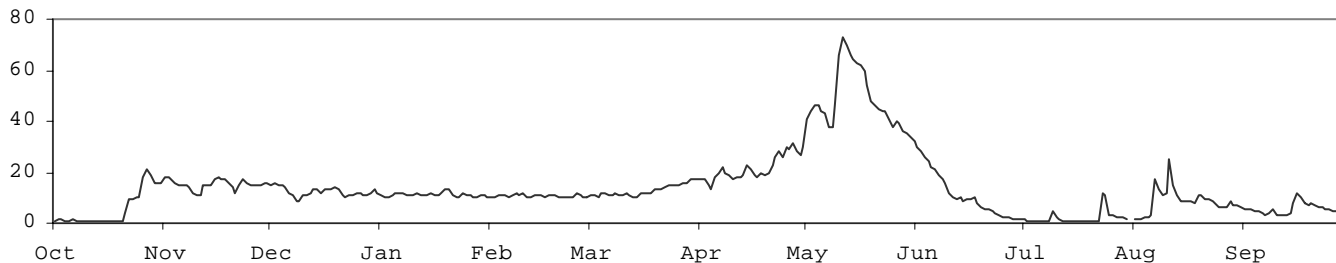
RATING TABLE.--SANFTGCO18 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.80	18	15	11	10	11	17	41	30	1.2	1.3	5.3
2	1.3	18	16	10	10	11	17	44	28	0.90	1.5	5.4
3	1.3	17	15	10	11	10	15	46	26	0.90	1.9	5.2
4	0.98	16	15	11	11	12	13	46	24	0.90	2.2	5.0
5	1.0	15	14	12	11	12	18	44	22	0.90	2.6	4.5
6	1.2	15	12	12	10	11	20	43	21	0.90	2.8	4.0
7	1.1	15	11	12	11	11	22	38	19	0.75	1.7	3.5
8	1.0	14	8.8	11	12	12	20	38	17	0.69	1.3	3.9
9	0.89	12	8.5	11	11	11	19	46	16	4.9	11	5.2
10	1.0	11	11	11	12	11	17	66	12	2.6	12	3.4
11	0.79	11	11	12	10	12	18	73	10	1.5	25	3.3
12	0.82	15	12	11	10	11	18	70	9.5	1.1	15	3.3
13	0.91	15	13	11	11	10	19	66	9.9	0.87	11	3.4
14	0.63	15	13	11	11	10	23	64	8.6	0.67	9.0	3.6
15	0.79	17	12	12	11	12	21	63	9.1	0.56	8.9	7.7
16	0.60	18	13	11	10	12	19	62	9.5	0.50	8.8	12
17	0.60	17	13	11	11	12	18	60	10	0.55	8.3	10
18	0.57	17	13	12	11	12	20	54	8.2	0.63	8.0	7.8
19	0.58	16	14	13	11	13	19	48	6.5	0.68	11	7.1
20	0.60	14	13	13	10	13	20	46	5.2	0.77	11	7.5
21	3.7	12	11	11	10	13	23	45	5.4	0.62	9.3	7.3
22	9.4	15	10	10	10	14	26	44	4.5	0.61	9.4	6.6
23	9.8	17	11	10	10	15	28	44	3.6	12	8.9	5.9
24	10	16	11	12	10	15	26	41	3.2	11	7.5	5.7
25	9.9	15	12	11	12	15	30	38	2.7	3.5	6.4	5.4
26	18	15	12	11	11	15	29	40	2.4	2.8	5.9	4.9
27	21	15	11	10	10	16	31	39	2.0	2.6	6.1	4.4
28	19	15	11	10	10	16	28	36	1.7	2.5	8.9	4.2
29	16	16	12	11	---	17	27	35	1.7	2.3	6.9	4.6
30	16	16	13	11	---	17	30	34	1.5	1.9	6.9	5.6
31	16	---	12	10	---	17	---	32	---	---	6.3	---
TOTAL	166.25	458	379.3	345	298	399	651	1486	330.2	62.31	263.8	165.7
MEAN	5.36	15.3	12.2	11.1	10.6	12.9	21.7	47.9	11.0	2.08	8.51	5.52
AC-FT	330	908	752	684	591	791	1290	2950	655	124	523	329
MAX	21	18	16	13	12	17	31	73	30	12	25	12
MIN	0.57	11	8.5	10	10	10	13	32	1.5	0.50	1.3	3.3
CAL YR 1998 TOTAL		7875.02	MEAN	21.6	MAX	181	MIN	0.18	AC-FT	15620		
WTR YR 1999 TOTAL		5004.56	MEAN	13.7	MAX	73	MIN	0.50	AC-FT	9930		

MAX DISCH 86 CFS AT 1845 23-JUL-1999 GH 2.48 FT. SHIFT -0.06 FT. MAX GH 2.48 FT. AT 1845 23-JUL-1999

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°25'33", 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 AND PERIOD OF RECORD.--32 mi². Staff gage established on weir Mar. 1915 and operated to Oct. 1916. Continuous record from May 1923 to present at various locations close to present site.

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. 16-19, 23-Dec. 7, 1998; Mar. 8-9, 12-14, 1999 when the well was frozen; Dec. 8, 1998-Mar. 3, 1999 when the station was closed for the winter. Stage-discharge relation was ice affected Nov. 10-15, 20-22, 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.--UTEFTGCO17 USED FROM 01-OCT-1998 TO 30-SEP-1999

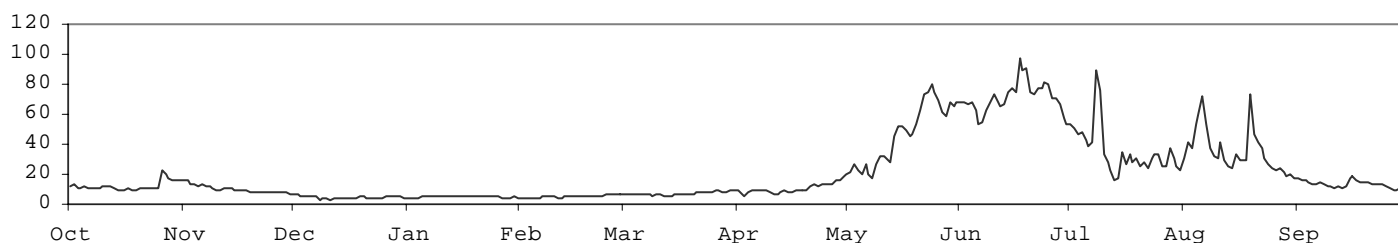
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	16	7.0	4.4	4.4	6.8	8.8	20	68	53	31	17
2	14	16	7.0	4.3	4.3	7.0	7.4	21	68	51	41	16
3	11	14	6.0	4.2	4.4	6.8	5.0	27	67	47	37	16
4	11	13	6.0	4.4	4.3	6.9	8.3	23	68	48	54	15
5	12	12	6.0	4.8	4.5	6.6	9.8	20	63	43	60	13
6	11	13	5.0	4.8	4.3	6.6	9.9	27	53	39	72	13
7	11	12	5.0	5.4	4.8	6.6	9.7	20	55	42	53	15
8	11	12	3.0	5.0	5.2	6.6	9.7	18	63	90	38	13
9	11	11	3.5	5.0	5.4	5.7	9.0	27	68	76	32	12
10	12	10	3.4	5.2	5.0	6.5	7.5	32	73	34	31	12
11	12	10	3.3	5.2	4.5	6.4	7.0	32	68	28	41	11
12	12	11	3.5	5.4	4.5	5.9	6.9	29	66	23	30	12
13	11	11	3.5	5.0	5.0	5.7	8.3	28	67	16	26	11
14	10	11	3.5	5.0	5.2	5.7	9.7	45	75	17	24	12
15	9.9	10	3.5	5.4	5.4	6.8	8.3	52	77	35	34	18
16	9.9	10	3.7	5.4	5.2	7.2	7.8	52	75	27	29	19
17	11	9.0	3.7	5.6	5.8	7.2	9.1	50	97	34	29	16
18	10	9.0	4.0	5.6	5.8	6.9	8.8	45	90	28	29	15
19	10	8.0	5.0	5.8	5.8	7.1	9.1	47	91	31	74	15
20	11	8.0	5.0	5.6	5.6	7.3	10	53	75	25	47	15
21	11	8.0	4.5	5.2	5.6	7.9	12	63	73	28	41	14
22	11	8.4	4.0	5.0	5.8	8.3	13	73	78	24	38	14
23	11	8.0	4.5	4.7	5.8	8.4	12	75	78	31	31	13
24	11	8.4	4.4	5.0	7.0	8.6	13	80	81	34	27	13
25	11	8.4	4.5	4.8	6.8	8.3	14	75	80	34	24	12
26	23	7.8	4.8	4.8	7.0	9.4	13	69	71	26	23	11
27	20	7.6	5.0	4.5	6.8	9.6	14	61	71	26	24	10
28	18	7.8	4.9	4.3	6.8	8.5	16	59	67	37	21	10
29	16	8.0	5.0	4.5	---	8.1	16	68	57	31	19	11
30	16	7.0	4.9	4.7	---	8.9	19	66	53	25	20	11
31	16	---	4.5	4.5	---	9.2	---	68	---	23	17	---
TOTAL	386.8	305.4	141.6	153.5	151.0	227.5	312.1	1425	2136	1106	1097	405
MEAN	12.5	10.2	4.57	4.95	5.39	7.34	10.4	46.0	71.2	35.7	35.4	13.5
AC-FT	767	606	281	304	300	451	619	2830	4240	2190	2180	803
MAX	23	16	7.0	5.8	7.0	9.6	19	80	97	90	74	19
MIN	9.9	7.0	3.0	4.2	4.3	5.7	5.0	18	53	16	17	10

CAL YR 1998 TOTAL 8282.5 MEAN 22.7 MAX 110 MIN 3.0 AC-FT 16430
WTR YR 1999 TOTAL 7846.9 MEAN 21.5 MAX 97 MIN 3.0 AC-FT 15560

MAX DISCH 163 CFS AT 0045 09-JUL-1999 GH 2.89 FT. SHIFT 0.05 FT. MAX GH 2.89 FT. AT 0045 09-JUL-1999

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 in a 4' CMP shelter and well. 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 Dec. 16, 1998; Feb. 22; Mar. 15, 1999 when the chart recorder clock stopped and the satellite data was not complete. Record is good except for periods of no gage height record which are fair. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TRISMIC011 USED FROM 01-OCT-1998 TO 30-SEP-1999

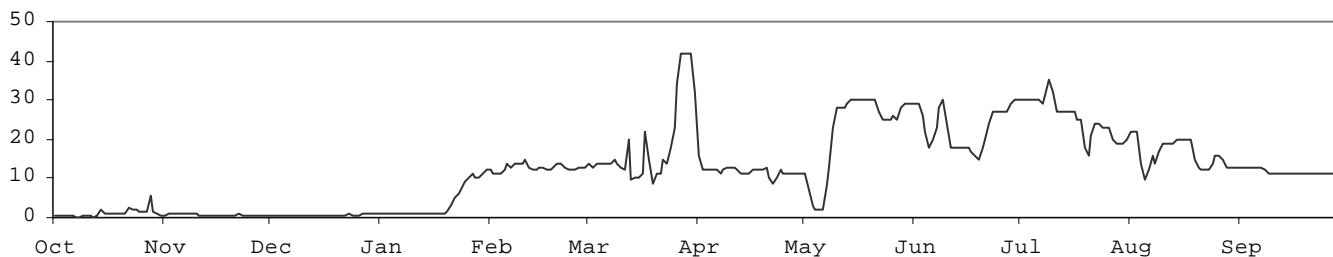
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.40	0.71	0.62	0.89	12	14	16	11	29	30	22	13
2	0.33	0.88	0.62	0.82	11	13	12	7.3	29	30	22	13
3	0.27	1.2	0.62	0.82	11	14	12	3.1	26	30	22	13
4	0.27	1.2	0.62	0.81	11	14	12	2.2	22	30	14	13
5	0.27	1.2	0.63	0.81	12	14	12	2.0	18	30	9.6	13
6	0.27	1.1	0.65	0.81	14	14	12	1.8	20	30	12	13
7	0.24	0.93	0.69	0.80	13	14	11	8.1	23	29	16	13
8	0.25	0.88	0.61	0.78	14	15	12	13	28	31	14	12
9	0.26	1.0	0.56	0.80	14	14	13	23	30	35	17	11
10	0.26	0.81	0.59	0.80	14	13	13	28	24	32	19	11
11	0.26	0.74	0.58	0.80	15	12	13	28	18	27	19	11
12	0.25	0.74	0.59	0.84	13	20	12	28	18	27	19	11
13	0.26	0.73	0.62	0.84	12	9.7	11	29	18	27	19	11
14	2.1	0.76	0.62	0.83	12	10	11	30	18	27	20	11
15	1.00	0.72	0.62	0.83	13	10	11	30	18	27	20	11
16	0.98	0.70	0.62	0.89	13	11	12	30	18	27	20	11
17	0.88	0.71	0.62	0.91	12	22	12	30	17	25	20	11
18	0.82	0.71	0.67	0.91	12	15	12	30	16	25	20	11
19	0.90	0.71	0.71	0.89	13	8.7	12	30	15	18	15	11
20	0.82	0.71	0.71	1.4	14	11	13	30	18	16	13	11
21	0.79	0.71	0.71	3.1	14	11	10	30	20	21	12	11
22	2.4	0.82	0.73	5.3	13	15	8.5	27	24	24	12	11
23	1.8	0.58	0.78	6.2	12	14	10	25	27	24	12	11
24	1.8	0.71	0.73	7.1	12	18	12	25	27	23	14	11
25	1.7	0.69	0.70	9.3	12	23	11	25	27	23	16	11
26	1.4	0.62	0.71	10	13	34	11	26	27	23	16	11
27	1.3	0.62	0.80	11	13	42	11	25	27	20	15	11
28	5.7	0.60	0.80	10	13	42	11	28	29	19	13	11
29	1.4	0.55	0.81	10	---	42	11	29	30	19	13	11
30	1.1	0.62	0.81	11	---	42	11	29	30	19	13	11
31	0.75	---	0.81	12	---	32	---	29	---	20	13	---
TOTAL	31.24	23.68	20.96	112.28	357	583.4	350.5	692.5	691	788	501.6	345
MEAN	1.01	0.79	0.68	3.62	12.8	18.8	11.7	22.3	23.0	25.4	16.2	11.5
AC-FT	62	47	42	223	708	1160	695	1370	1370	1560	995	684
MAX	5.7	1.2	0.81	12	15	42	16	30	30	35	22	13
MIN	0.24	0.55	0.56	0.78	11	8.7	8.5	1.8	15	16	9.6	11

CAL YR 1998 TOTAL 10113.44 MEAN 27.7 MAX 177 MIN 0.24 AC-FT 20060
WTR YR 1999 TOTAL 4497.17 MEAN 12.3 MAX 42 MIN 0.24 AC-FT 8920

MAX DISCH 50 CFS AT 0945 17-MAR-1999 GH 3.63 FT. SHIFT 0.09 FT. MAX GH 3.63 FT. AT 0945 17-MAR-1999

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. 1937 - 1953 at site one mile downstream. May 1952 to current year at present site.

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 Apr. 30-May 01, 1999 when the chart recorder was not working and the satellite system was missing data; Oct. 30, 1998-Mar. 30, 1999 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.

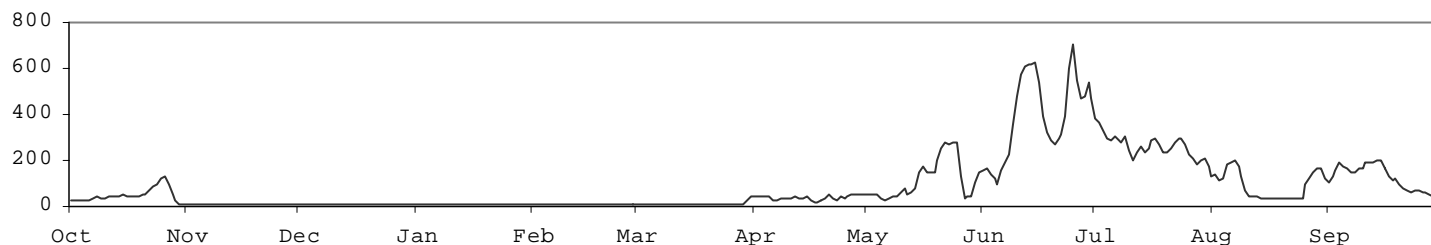
RATING TABLE.--CONPLACO12 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	7.3	7.3	7.3	7.1	7.0	42	48	160	386	133	101
2	26	7.3	7.3	7.2	7.1	7.0	42	48	162	369	136	129
3	26	7.3	7.3	7.2	7.1	7.0	42	48	139	329	117	159
4	26	7.3	7.3	7.2	7.1	7.0	42	48	125	296	119	193
5	26	7.3	7.3	7.2	7.1	7.0	42	35	99	289	182	178
6	26	7.3	7.3	7.2	7.1	7.0	27	29	160	306	189	162
7	34	7.3	7.3	7.2	7.1	7.0	24	35	192	283	197	149
8	43	7.3	7.3	7.2	7.1	7.0	31	45	223	280	178	147
9	38	7.3	7.3	7.2	7.1	7.0	31	43	359	308	130	163
10	32	7.3	7.3	7.2	7.1	7.0	31	63	475	244	70	169
11	41	7.3	7.3	7.2	7.1	7.0	32	76	571	198	44	189
12	45	7.3	7.3	7.2	7.1	7.0	40	53	611	238	44	187
13	45	7.3	7.3	7.2	7.1	7.0	35	58	619	263	40	190
14	45	7.3	7.3	7.2	7.1	7.0	35	75	621	231	38	203
15	49	7.3	7.3	7.2	7.1	7.0	46	149	627	253	39	202
16	45	7.3	7.3	7.2	7.1	7.0	30	175	540	289	39	164
17	40	7.3	7.3	7.2	7.1	7.0	14	152	394	295	39	132
18	40	7.3	7.3	7.2	7.1	7.0	20	145	324	272	39	110
19	46	7.3	7.3	7.2	7.1	7.0	26	150	283	237	39	122
20	52	7.3	7.3	7.2	7.1	7.0	34	201	267	235	39	96
21	55	7.3	7.3	7.2	7.1	7.0	52	256	294	250	39	75
22	67	7.3	7.3	7.2	7.1	7.0	35	274	314	281	39	69
23	87	7.3	7.3	7.2	7.1	7.0	29	273	389	294	39	65
24	96	7.3	7.3	7.2	7.1	7.0	42	275	603	294	39	73
25	121	7.3	7.3	7.2	7.1	7.0	39	275	704	268	39	68
26	131	7.3	7.3	7.2	7.1	7.0	44	129	546	229	92	63
27	94	7.3	7.3	7.2	7.1	7.0	50	38	472	209	124	63
28	50	7.3	7.3	7.2	7.0	7.0	49	42	474	181	151	53
29	23	7.3	7.3	7.2	---	7.0	48	44	540	198	162	40
30	10	7.3	7.3	7.1	---	24	48	104	473	205	162	47
31	7.3	---	7.3	7.1	---	43	---	152	---	178	125	---
TOTAL	1492.3	219.0	226.3	223.1	198.7	270.0	1102	3538	11760	8188	2862	3761
MEAN	48.1	7.30	7.30	7.20	7.10	8.71	36.7	114	392	264	92.3	125
AC-FT	2960	434	449	443	394	536	2190	7020	23330	16240	5680	7460
MAX	131	7.3	7.3	7.3	7.1	43	52	275	704	386	197	203
MIN	7.3	7.3	7.3	7.1	7.0	7.0	14	29	99	178	38	40
CAL YR 1998 TOTAL		33467.5	MEAN	91.7	MAX	514	MIN	7.3	AC-FT	66380		
WTR YR 1999 TOTAL		33840.4	MEAN	92.7	MAX	704	MIN	7.0	AC-FT	67120		

MAX DISCH 723 CFS AT 2130 25-JUN-1999 GH 3.24 FT. SHIFT -0.01 FT. MAX GH 3.24 FT. AT 2130 25-JUN-1999

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 AND PERIOD OF RECORD.--282 mi². Intermittent, non-recording data from 1903-1915 at various sites. Water stage recorder from 1915-Oct. 1988 at different site. Oct. 1988-present, water stage recorder at current site.

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. Stage-discharge relation was affected by ice Dec. 9, 1998-Feb. 23, 1999. Record is good except for the periods of ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

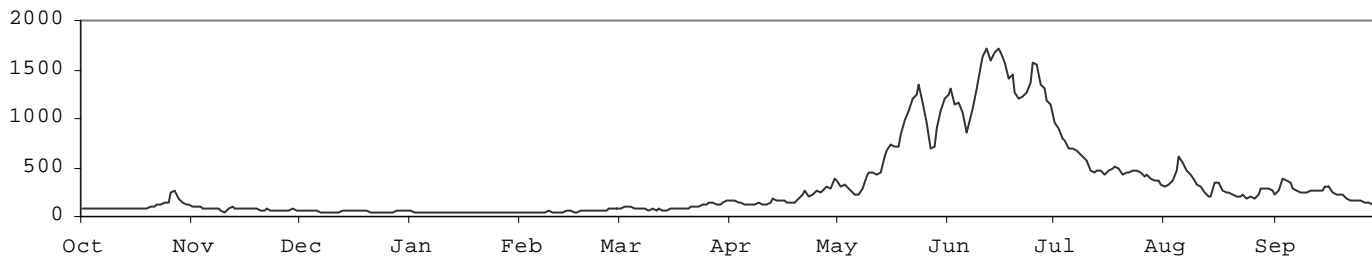
RATING TABLE.--CONMOGCO12 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	108	64	52	45	89	164	365	1240	969	301	216
2	86	110	68	50	45	96	158	306	1310	902	318	260
3	79	94	63	49	48	95	140	320	1150	806	373	381
4	83	86	61	48	50	93	137	286	1160	773	468	364
5	78	78	64	49	46	83	130	253	1070	694	616	346
6	72	83	57	49	46	76	130	223	851	686	557	293
7	73	76	45	49	46	79	126	230	940	668	466	275
8	78	77	33	48	50	80	132	295	1110	636	429	250
9	85	60	34	44	52	71	139	418	1310	618	368	253
10	80	46	34	44	49	74	124	449	1540	580	324	247
11	72	72	41	44	45	69	125	458	1640	466	306	261
12	79	92	47	44	47	72	143	424	1710	441	245	271
13	83	82	52	43	50	61	176	446	1600	478	214	259
14	83	84	54	40	54	67	155	613	1680	466	195	267
15	82	88	52	43	54	74	159	672	1720	424	346	315
16	87	91	54	44	50	78	155	744	1670	468	350	305
17	86	90	54	44	50	85	142	719	1580	480	270	237
18	84	85	54	44	54	85	135	710	1400	511	246	230
19	84	75	56	46	56	80	145	832	1450	490	237	222
20	95	65	54	44	56	85	178	974	1270	436	221	228
21	107	63	36	44	60	94	225	1090	1200	454	213	179
22	113	76	36	42	58	109	261	1210	1230	457	202	166
23	127	70	36	40	63	111	210	1250	1260	466	217	156
24	145	71	37	44	66	118	231	1340	1360	475	187	158
25	150	68	39	44	71	122	261	1170	1570	455	206	158
26	253	68	44	43	75	137	237	969	1560	414	183	142
27	266	71	50	40	74	135	258	704	1340	425	234	134
28	190	70	54	38	76	128	299	710	1310	379	276	129
29	134	74	54	40	---	128	283	894	1190	361	287	118
30	118	65	56	43	---	144	382	1080	1140	376	281	108
31	113	---	54	43	---	163	---	1210	---	333	272	---
TOTAL	3339	2338	1537	1379	1536	2981	5540	21364	40561	16587	9408	6928
MEAN	108	77.9	49.6	44.5	54.9	96.2	185	689	1352	535	303	231
AC-FT	6620	4640	3050	2740	3050	5910	10990	42380	80450	32900	18660	13740
MAX	266	110	68	52	76	163	382	1340	1720	969	616	381
MIN	72	46	33	38	45	61	124	223	851	333	183	108
CAL YR 1998 TOTAL		97431	MEAN	267	MAX	1640	MIN	33	AC-FT	193300		
WTR YR 1999 TOTAL		113498	MEAN	311	MAX	1720	MIN	33	AC-FT	225100		

MAX DISCH 1865 CFS AT 0315 15-JUN-1999 GH 5.18 FT. SHIFT -0.13 FT. MAX GH 5.18 FT. AT 0315 15-JUN-1999

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. 10-14, 1998 when the well was frozen; Dec. 15-31, 1998-Mar. 1, 1999 when the station was closed for the winter, The stage-discharge relation was affected by ice Nov. 16-20, 23-30; Dec. 1-7, 9, 1998; Mar. 2-5, 1999. 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.

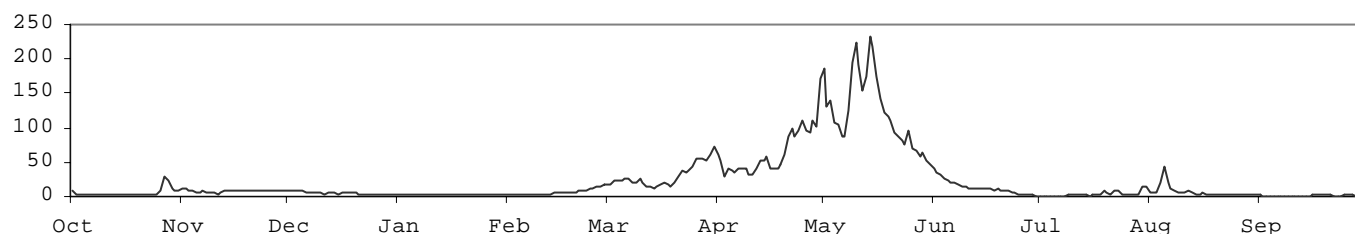
RATING TABLE.--SANORTCO13 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	11	9.6	3.6	3.0	17	61	185	40	0.97	6.6	2.4
2	4.1	11	9.6	3.4	2.8	18	53	130	36	0.69	5.4	1.4
3	3.4	10	9.6	3.3	3.0	22	28	140	33	0.61	4.5	1.2
4	2.5	8.1	9.2	3.2	3.3	22	42	108	27	0.50	19	1.3
5	3.1	7.0	8.4	3.3	3.1	22	38	105	23	0.85	44	0.95
6	3.9	7.1	7.2	3.5	3.1	25	35	86	21	0.78	19	1.2
7	2.8	7.7	5.0	3.6	3.4	26	42	87	19	0.61	12	0.79
8	2.3	5.4	5.0	3.4	3.7	20	40	126	17	0.62	8.2	0.66
9	2.4	7.1	4.8	3.2	4.0	21	41	195	15	3.9	6.1	0.72
10	2.2	5.0	4.5	3.2	3.8	26	31	223	14	2.5	5.1	0.53
11	2.1	2.0	4.3	3.2	3.5	20	33	191	12	2.1	5.4	0.49
12	2.0	7.2	4.5	3.3	3.8	14	41	155	11	1.8	7.5	0.53
13	2.0	8.0	4.5	3.1	4.3	14	52	174	13	2.0	5.0	0.40
14	2.2	8.9	4.5	2.9	4.8	13	52	234	11	1.6	3.5	0.45
15	2.2	8.9	4.3	2.7	5.0	15	57	219	11	1.2	3.6	0.76
16	2.3	8.9	4.5	2.8	4.8	18	41	173	11	1.7	6.5	2.6
17	2.4	9.0	4.5	3.0	4.8	20	41	142	11	1.5	4.1	2.3
18	3.2	8.8	4.5	3.2	5.2	17	40	122	9.2	3.0	2.9	3.0
19	4.0	8.6	4.8	3.5	6.0	14	46	115	12	9.3	2.6	2.4
20	3.6	8.4	4.8	3.4	6.6	19	60	111	9.7	6.3	3.2	2.0
21	3.6	8.6	3.5	3.2	8.4	28	86	94	8.1	4.2	2.3	1.7
22	4.3	9.7	3.5	2.9	8.6	38	100	86	8.2	8.0	2.3	1.4
23	4.2	7.5	3.5	2.7	10	35	86	80	6.9	7.7	2.2	1.4
24	4.0	8.2	3.5	3.2	11	39	95	77	5.2	4.0	2.1	1.4
25	3.6	8.5	3.6	3.2	12	43	110	96	4.0	4.0	1.9	1.8
26	10	9.0	3.7	3.0	14	56	97	70	3.9	3.0	1.9	1.9
27	28	9.5	3.9	2.9	14	54	92	66	2.4	4.3	1.8	1.5
28	23	10	3.9	2.8	17	56	111	57	2.1	3.4	1.8	1.2
29	11	9.2	4.0	3.0	---	52	101	63	1.7	3.8	2.5	1.0
30	8.5	8.6	4.0	3.2	---	62	171	53	1.4	14	2.2	1.0
31	9.9	---	3.8	3.2	---	74	---	46	---	14	2.9	---
TOTAL	170.3	246.9	159.0	98.1	177.0	920	1923	3809	399.8	112.91	198.1	40.38
MEAN	5.49	8.23	5.13	3.16	6.32	29.7	64.1	123	13.3	3.64	6.39	1.35
AC-FT	338	490	315	195	351	1820	3810	7560	793	224	393	80
MAX	28	11	9.6	3.6	17	74	171	234	40	14	44	3.0
MIN	2.0	2.0	3.5	2.7	2.8	13	28	46	1.4	0.50	1.8	0.40
CAL YR 1998 TOTAL		7081.83	MEAN	19.4	MAX	285	MIN	0.00	AC-FT	14050		
WTR YR 1999 TOTAL		8254.49	MEAN	22.6	MAX	234	MIN	0.40	AC-FT	16370		

MAX DISCH 311 CFS AT 0545 14-MAY-1999 GH 3.35 FT. SHIFT -0.14 FT. MAX GH 3.35 FT. AT 0545 14-MAY-1999

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 AND PERIOD OF RECORD.--167 mi². Jan. 1, 1915 to Apr. 14, 1955, water stage recorder at location 350' upstream. Apr. 15, 1955 relocated to present site.

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. Stage-discharge relation affected by ice Nov. 10-14, 19, 21-22, 24; Dec. 5, 1998-Feb. 27, 1999; Mar. 3-4, 6-10, 13; Apr. 3-6, 10, 1999. Record is good except for periods of ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

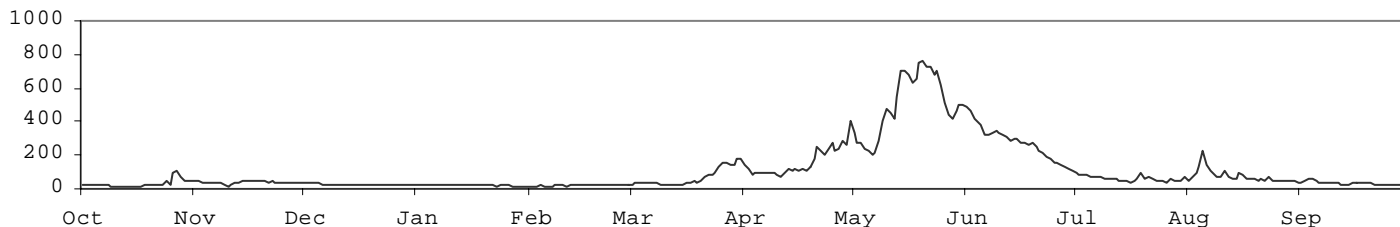
RATING TABLE.--LOSORTCO12 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	49	32	20	15	27	145	328	486	95	51	36
2	24	50	35	19	14	34	124	279	469	88	74	45
3	20	40	34	18	16	34	82	274	414	86	92	54
4	21	37	32	18	18	35	92	239	407	83	133	57
5	25	34	31	18	16	36	96	223	378	76	232	42
6	19	39	28	20	16	34	92	198	317	72	143	39
7	18	30	25	21	17	34	94	209	318	69	109	38
8	18	30	20	20	18	30	92	291	336	74	86	35
9	17	25	21	19	19	26	91	407	348	63	76	33
10	17	13	21	19	18	25	79	476	336	61	70	31
11	16	28	21	20	16	26	77	449	323	54	104	30
12	16	38	22	20	18	28	92	417	315	55	73	29
13	15	40	23	19	20	25	115	549	283	48	60	28
14	16	42	23	18	20	27	107	702	295	48	55	29
15	14	42	25	18	19	28	115	701	294	43	91	32
16	14	43	25	18	18	31	107	675	279	41	82	38
17	17	44	25	19	18	39	120	627	275	42	64	35
18	19	45	25	20	19	42	111	650	267	61	58	34
19	20	45	26	21	21	37	133	754	268	92	54	34
20	22	42	26	20	20	51	183	765	250	56	50	31
21	24	41	19	19	22	73	248	725	226	66	61	28
22	24	42	20	18	20	84	230	724	212	55	52	26
23	28	37	20	17	22	88	204	680	192	47	76	24
24	42	37	20	19	23	101	242	706	173	46	53	28
25	28	35	20	19	23	128	276	617	159	44	49	25
26	101	35	21	18	22	153	226	507	150	41	45	23
27	107	35	21	17	23	152	238	436	139	59	45	21
28	71	36	21	16	25	137	287	422	130	45	53	21
29	51	37	22	16	---	140	266	467	116	47	48	20
30	48	35	22	16	---	176	404	495	105	46	42	21
31	51	---	21	16	---	176	---	495	---	77	39	---
TOTAL	944	1126	747	576	536	2057	4768	15487	8260	1880	2320	967
MEAN	30.5	37.5	24.1	18.6	19.1	66.4	159	500	275	60.6	74.8	32.2
AC-FT	1870	2230	1480	1140	1060	4080	9460	30720	16380	3730	4600	1920
MAX	107	50	35	21	25	176	404	765	486	95	232	57
MIN	14	13	19	16	14	25	77	198	105	41	39	20
CAL YR 1998 TOTAL		38534	MEAN	106	MAX	883	MIN	11	AC-FT	76430		
WTR YR 1999 TOTAL		39668	MEAN	109	MAX	765	MIN	13	AC-FT	78680		

MAX DISCH 1024 CFS AT 2245 19-MAY-1999 GH 5.25 FT. SHIFT -0.41 FT. MAX GH 5.25 FT. AT 2245 19-MAY-1999

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 in metal pipe shelter and well. Altitude of gage is 7,650 ft. from topographic map.

REMARKS.--Record is complete and reliable except for the periods Dec. 7-13, 1998; Mar. 13-14, 1999 when the well was frozen; Dec. 14, 1998-Mar. 11, 1999 when the station was closed for the winter. The stage-discharge relation was affected by backwater from beaver dams Sep. 17-20, 27-30, 1999. There was no flow Oct. 1-25, 1998. Record is good except for periods of no gage-height and backwater affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

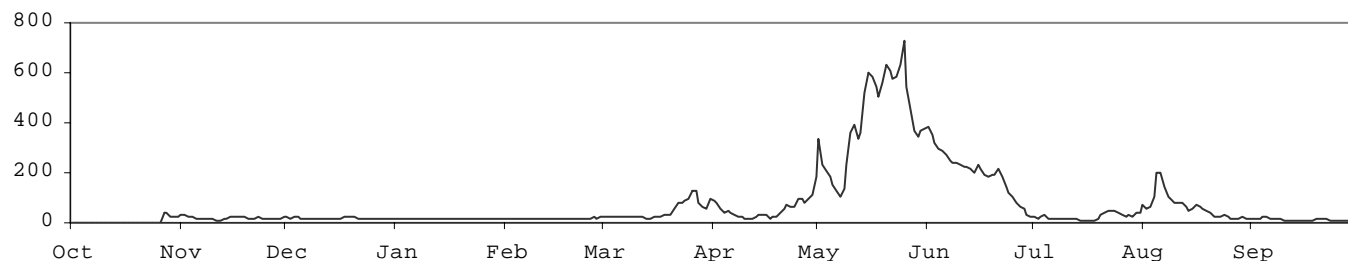
RATING TABLE.--SANMANCO18 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	33	21	18	19	22	91	335	388	21	70	16
2	0.0	29	20	16	17	23	79	235	351	19	56	16
3	0.0	28	22	15	18	23	53	207	318	24	66	20
4	0.0	22	22	14	18	26	42	183	296	29	105	28
5	0.0	16	18	15	19	24	47	149	287	18	201	27
6	0.0	13	16	15	19	22	38	125	276	16	201	20
7	0.0	15	16	15	18	27	30	105	247	15	145	18
8	0.0	18	16	15	19	26	25	133	238	14	106	16
9	0.0	19	16	14	19	24	21	235	243	15	92	14
10	0.0	17	16	15	19	27	19	359	235	17	80	10
11	0.0	11	17	15	17	26	18	395	225	14	84	10
12	0.0	12	18	17	15	26	14	339	222	13	81	8.5
13	0.0	18	19	15	16	20	23	362	218	14	62	7.2
14	0.0	19	20	14	16	20	34	517	202	11	52	6.9
15	0.0	21	20	14	18	21	33	600	230	9.7	53	7.8
16	0.0	21	20	15	17	25	34	588	219	9.2	74	7.9
17	0.0	22	21	16	18	28	20	544	191	10	66	8.9
18	0.0	25	21	15	19	35	24	508	187	12	54	12
19	0.0	23	21	17	20	34	27	557	189	15	48	15
20	0.0	18	22	17	19	31	37	633	195	35	39	16
21	0.0	15	17	17	20	55	60	611	214	42	22	14
22	0.0	19	16	16	20	78	75	576	184	49	24	13
23	0.0	24	17	15	18	77	65	587	147	51	25	11
24	0.0	20	15	18	19	86	66	633	124	45	29	9.7
25	0.0	16	16	17	19	96	98	728	103	42	23	8.9
26	2.3	18	16	17	22	132	100	543	80	35	18	8.8
27	39	20	17	16	20	128	84	457	65	25	18	8.6
28	43	16	16	15	21	84	100	365	55	35	18	7.8
29	27	20	17	16	---	67	112	342	36	28	22	6.7
30	21	23	16	17	---	56	182	372	25	43	19	5.8
31	22	---	16	17	---	97	---	380	---	41	19	---
TOTAL	154.3	591	561	488	519	1466	1651	12703	5990	766.9	1972	379.5
MEAN	4.98	19.7	18.1	15.7	18.5	47.3	55.0	410	200	24.7	63.6	12.6
AC-FT	306	1170	1110	968	1030	2910	3270	25200	11880	1520	3910	753
MAX	43	33	22	18	22	132	182	728	388	51	201	28
MIN	0.0	11	15	14	15	20	14	105	25	9.2	18	5.8
CAL YR 1998 TOTAL	27440.80		MEAN	75.2	MAX	764	MIN	0.00	AC-FT	54430		
WTR YR 1999 TOTAL	27241.7		MEAN	74.6	MAX	728	MIN	0.00	AC-FT	54030		

MAX DISCH 814 CFS AT 1245 25-MAY-1999 GH 5.73 FT. SHIFT -0.39 FT. MAX GH 5.73 FT. AT 1245 25-MAY-1999

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 Dec. 24, 1998 when the chart recorder clock stopped and there was missing satellite data. Stage-discharge relation ice affected Dec. 9-12, 21-23, 25-26, 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.

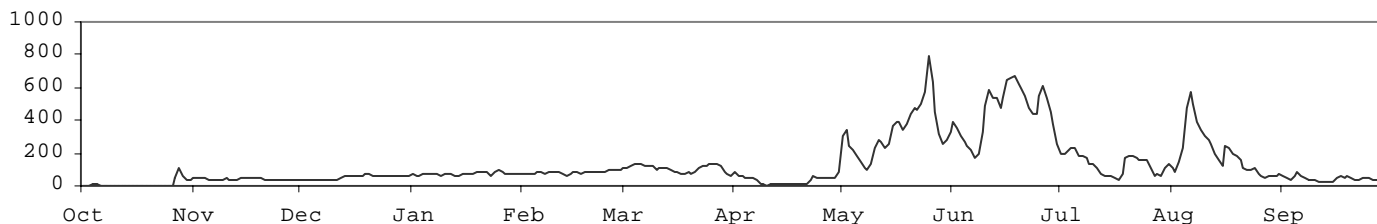
RATING TABLE.--NORLASCO13 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.48	46	41	69	75	105	80	299	392	190	105	61
2	0.57	50	41	65	72	114	63	344	359	198	91	47
3	0.56	47	41	67	71	122	61	242	310	222	146	37
4	8.5	44	41	69	71	130	50	221	263	236	228	61
5	9.7	40	42	71	90	134	49	179	241	227	481	81
6	1.3	35	40	68	80	130	47	146	224	181	577	67
7	0.26	33	37	70	72	121	38	106	175	188	502	53
8	0.40	35	36	70	83	125	10	95	200	166	396	39
9	0.40	42	38	64	86	123	7.3	139	326	129	341	34
10	0.43	46	39	68	86	103	5.9	231	483	134	300	35
11	0.47	40	41	69	81	112	6.3	278	580	106	280	29
12	0.56	37	45	71	68	110	7.3	273	533	71	252	28
13	0.71	41	55	67	64	114	9.3	226	537	61	200	26
14	0.80	46	59	66	76	95	9.0	255	473	55	158	25
15	0.60	47	62	69	87	87	7.0	365	541	55	124	22
16	0.60	48	63	72	83	87	6.8	389	648	48	239	51
17	0.91	48	64	73	79	78	8.3	390	660	41	226	57
18	0.30	50	67	75	82	74	12	345	668	68	193	44
19	0.22	50	68	83	90	87	13	380	620	167	178	55
20	0.38	45	70	83	89	76	8.7	436	596	180	153	52
21	0.49	40	62	81	87	82	8.1	474	554	178	115	41
22	0.26	38	60	81	90	111	39	465	474	166	96	42
23	0.20	40	62	67	87	127	60	494	444	163	97	45
24	0.08	42	59	80	83	125	53	576	441	159	107	52
25	0.14	40	61	93	94	129	54	791	544	153	77	46
26	1.1	39	64	89	97	135	54	632	610	106	64	37
27	46	39	65	69	99	139	49	454	531	60	54	31
28	105	40	64	69	99	118	47	315	456	69	56	29
29	63	39	65	70	---	90	53	258	372	66	58	30
30	35	41	64	78	---	71	84	277	256	108	65	41
31	31	---	65	73	---	65	---	324	---	129	68	---
TOTAL	310.43	1268	1681	2259	2321	3319	1000.0	10399	13511	4080	6027	1298
MEAN	10.0	42.3	54.2	72.9	82.9	107	33.3	335	450	132	194	43.3
AC-FT	616	2520	3330	4480	4600	6580	1980	20630	26800	8090	11950	2570
MAX	105	50	70	93	99	139	84	791	668	236	577	81
MIN	0.08	33	36	64	64	65	5.9	95	175	41	54	22
CAL YR 1998 TOTAL		39606.72	MEAN	109	MAX	839	MIN	0.00	AC-FT	78560		
WTR YR 1999 TOTAL		47473.44	MEAN	130	MAX	791	MIN	0.08	AC-FT	94160		

MAX DISCH 897 CFS AT 2030 25-MAY-1999 GH 5.14 FT. SHIFT -0.19 FT. MAX GH 5.14 FT. AT 2030 25-MAY-1999

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



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, SECONDARY (SOUTH) CHANNEL, CO

LOCATION.--Lat 37°18'01", long 105°44'47", in SE¼NE¼ sec. 10, T. 35 N., R. 11 E., Conejos County, on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.0 mi north of LaSauses, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--887 mi². Water stage recorder since March 29, 1921 at various sites close to present location.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,496.89 ft above mean sea level (levels by Bureau of Reclamation). At present site and datum since Oct. 14, 1965.

REMARKS.--Record is complete and reliable except for Dec. 7, 10-14, 1998 when the well was frozen; Dec. 15, 1998-Feb. 1 1999 when the station was closed for winter; Feb. 2-4, 1999 when the inlets were plugged; Aug. 5, 1999 when chart recorder stopped and there was missing satellite data. Stage-discharge relation affected by backwater from beaver dams Nov. 4-10, 1998; June. 10-22; Sep. 14-30, 1999. There was no flow Oct. 1-27, 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.

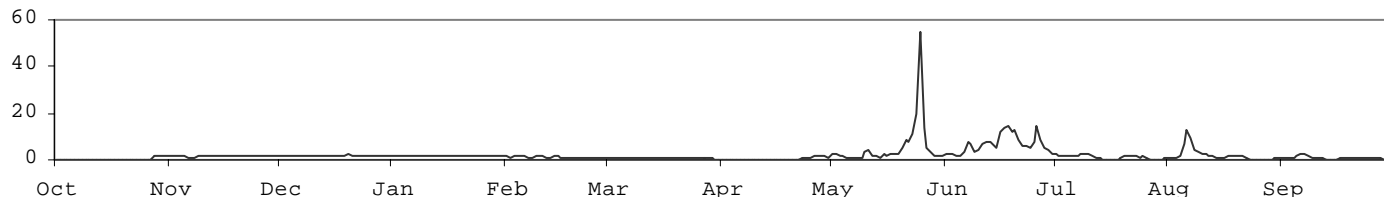
RATING TABLE.--SOULASCO06 USED FROM 01-OCT-1998 TO 1-OCT-1998
 SOULASCO07 USED FROM 02-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	1.9	1.4	2.1	1.5	0.98	0.28	2.8	2.4	2.3	1.2	0.77
2	0.0	1.9	1.5	2.0	1.2	0.99	0.35	2.9	3.0	1.8	0.86	0.83
3	0.0	2.0	1.4	1.9	1.3	1.0	0.30	1.6	2.8	1.9	1.0	0.61
4	0.0	1.9	1.4	1.9	1.3	1.1	0.28	1.3	2.1	1.8	2.1	0.92
5	0.0	1.4	1.4	2.0	1.3	1.1	0.24	0.80	2.1	1.9	6.7	2.0
6	0.0	1.2	1.4	2.0	1.3	1.0	0.23	0.62	3.1	1.3	13	2.3
7	0.0	1.2	2.1	2.0	1.2	0.98	0.23	0.48	7.9	1.7	9.2	2.2
8	0.0	1.2	1.3	2.0	1.2	0.97	0.22	0.44	6.9	2.5	4.7	1.8
9	0.0	1.4	1.5	1.8	1.4	1.0	0.19	0.48	3.2	2.6	3.5	1.1
10	0.0	1.6	1.7	1.8	1.3	0.79	0.18	3.6	3.9	2.9	2.6	0.76
11	0.0	1.3	1.7	1.8	1.3	0.76	0.18	4.6	6.5	1.5	2.2	0.73
12	0.0	1.3	1.7	2.0	1.2	0.85	0.17	1.8	7.4	0.68	1.9	0.51
13	0.0	1.3	1.9	1.8	1.2	0.76	0.18	1.4	7.5	0.43	1.5	0.36
14	0.0	1.3	1.9	1.7	1.3	0.71	0.19	1.2	6.7	0.36	1.0	0.27
15	0.0	1.3	1.9	1.7	1.4	0.76	0.18	2.4	5.4	0.34	0.62	0.34
16	0.0	1.5	2.0	1.8	1.2	0.64	0.15	2.0	12	0.29	1.1	0.35
17	0.0	1.6	2.0	1.8	1.2	0.56	0.17	2.2	14	0.27	2.1	0.67
18	0.0	1.5	2.1	1.8	1.2	0.51	0.18	2.4	15	0.30	1.8	0.57
19	0.0	1.6	2.1	1.9	1.2	0.59	0.18	2.8	12	1.0	1.7	0.66
20	0.0	1.5	2.2	1.9	1.1	0.56	0.17	5.0	13	2.0	1.5	0.67
21	0.0	1.4	1.8	1.9	1.1	0.51	0.18	8.3	8.8	1.5	1.4	0.76
22	0.0	1.4	1.7	1.8	1.1	0.60	0.31	8.1	6.4	1.5	0.59	0.60
23	0.0	1.3	1.8	1.6	0.97	0.95	0.65	11	5.8	1.3	0.36	0.62
24	0.0	1.4	1.7	1.8	0.93	1.00	0.59	20	5.1	0.97	0.40	0.66
25	0.0	1.4	1.8	1.7	0.94	0.98	0.73	55	7.9	1.3	0.37	0.68
26	0.0	1.4	1.9	1.7	0.99	0.99	2.0	14	15	0.68	0.24	0.68
27	0.0	1.4	2.0	1.6	1.0	1.1	2.0	5.1	8.8	0.37	0.40	0.56
28	1.3	1.4	2.0	1.6	1.0	0.86	1.8	3.2	5.1	0.28	0.29	0.48
29	2.1	1.4	2.0	1.6	---	0.53	1.5	2.0	4.6	0.22	0.33	0.37
30	1.8	1.4	2.0	1.7	---	0.42	0.93	1.6	3.0	0.32	0.60	0.35
31	1.6	---	2.0	1.6	---	0.26	---	1.5	---	0.89	0.59	---
TOTAL	6.8	43.8	55.3	56.3	33.33	24.79	14.94	170.62	207.4	37.18	65.85	24.21
MEAN	0.22	1.46	1.78	1.82	1.19	0.80	0.50	5.50	6.91	1.20	2.12	0.81
AC-FT	13	87	110	112	66	49	30	338	411	74	131	48
MAX	2.1	2.0	2.2	2.1	1.5	1.1	2.0	55	15	2.9	13	2.3
MIN	0.0	1.2	1.3	1.6	0.93	0.26	0.15	0.44	2.1	0.22	0.24	0.27
CAL YR 1998 TOTAL		477.01	MEAN	1.31	MAX	20	MIN	0.00	AC-FT	946		
WTR YR 1999 TOTAL		740.52	MEAN	2.03	MAX	55	MIN	0.00	AC-FT	1470		

MAX DISCH 87 CFS AT 1515 25-MAY-1999 GH 2.88 FT. SHIFT -0.23 FT. MAX GH 2.88 FT. AT 1515 25-MAY-1999

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 Lasauses, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--887 mi². Mar. 1921, water stage recorder, at several locations close to present site. 1937 to present at current site.

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).

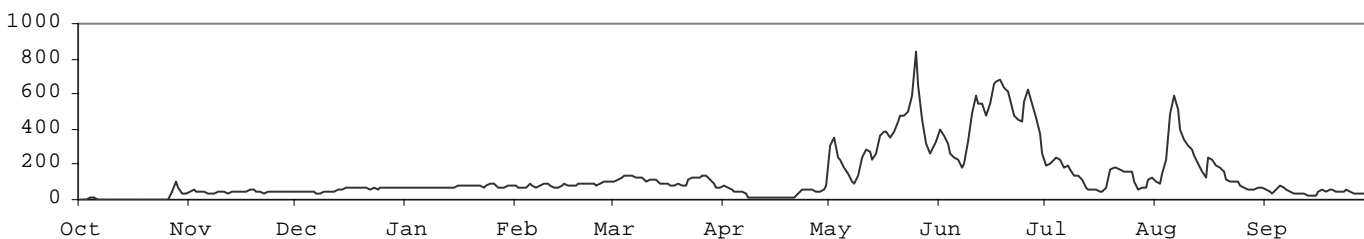
REMARKS.--Records should be good except for periods of no record and ice affected record, which are poor. Diversions above station for irrigation of about 75,000 acres. Practically entire flow is diverted and records represent mainly return flow. Record developed by Div. III Hydrographic Staff.

COMBINED CONEJOS RIVER (NORLASCO,SOULASCO)

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.48	48	42	71	76	106	80	302	394	192	106	62
2	0.57	52	42	67	73	115	63	347	362	200	92	48
3	0.56	49	42	69	72	123	61	244	313	224	147	38
4	8.5	46	42	71	72	131	50	222	265	238	230	62
5	9.7	41	43	73	91	135	49	180	243	229	488	83
6	1.3	36	41	70	81	131	47	147	227	182	590	69
7	0.26	34	39	72	73	122	38	106	183	190	511	55
8	0.40	36	37	72	84	126	10	95	207	168	401	41
9	0.40	43	40	66	87	124	7.5	139	329	132	344	35
10	0.43	48	41	70	87	104	6.1	235	487	137	303	36
11	0.47	41	43	71	82	113	6.5	283	586	108	282	30
12	0.56	38	47	73	69	111	7.5	275	540	72	254	29
13	0.71	42	57	69	65	115	9.5	227	544	61	202	26
14	0.80	47	61	68	77	96	9.2	256	480	55	159	25
15	0.60	48	64	71	88	88	7.2	367	546	55	125	22
16	0.60	50	65	74	84	88	7.0	391	660	48	240	51
17	0.91	50	66	75	80	79	8.5	392	674	41	228	58
18	0.30	52	69	77	83	75	12	347	683	68	195	45
19	0.22	52	70	85	91	88	13	383	632	168	180	56
20	0.38	46	72	85	90	77	8.9	441	609	182	154	53
21	0.49	41	64	83	88	83	8.3	482	563	180	116	42
22	0.26	39	62	83	91	112	39	473	480	168	97	43
23	0.20	41	64	69	88	128	61	505	450	164	97	46
24	0.08	43	61	82	84	126	54	596	446	160	107	53
25	0.15	41	63	95	95	130	55	846	552	154	77	47
26	1.1	40	66	91	98	136	56	646	625	107	64	38
27	46	40	67	71	100	140	51	459	540	60	54	32
28	106	41	66	71	100	119	49	318	461	69	56	29
29	65	40	67	72	---	91	54	260	377	66	58	30
30	37	42	66	80	---	71	85	279	259	108	66	41
31	33	---	67	75	---	65	---	326	---	130	69	---
TOTAL	317.44	1307	1736	2321	2349	3348	1013.2	10569	13717	4116	6092	1325
MEAN	10.2	43.6	56.0	74.9	83.9	108	33.8	341	457	133	197	44.2
AC-FT	630	2590	3440	4600	4660	6640	2010	20960	27210	8160	12080	2630
MAX	106	52	72	95	100	140	85	846	683	238	590	83
MIN	0.08	34	37	66	65	65	6.1	95	183	41	54	22
CAL YR 1998 TOTAL	40074.12	MEAN	110	MAX	859	MIN	0.00	AC-FT	79490			
WTR YR 1999 TOTAL	48210.64	MEAN	132	MAX	846	MIN	0.08	AC-FT	95630			

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



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO

LOCATION.--Lat 37°11'01", 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 AND PERIOD OF RECORD.--220 mi². Station established April 1, 1927 by Colo. State Engineer's Office at present site, different datum. May 1931 new flume installed and datum established at the same site.

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. Jagged winter peaks verified not to be ice affect. Station maintained and records developed by Division III Hydrographic staff.

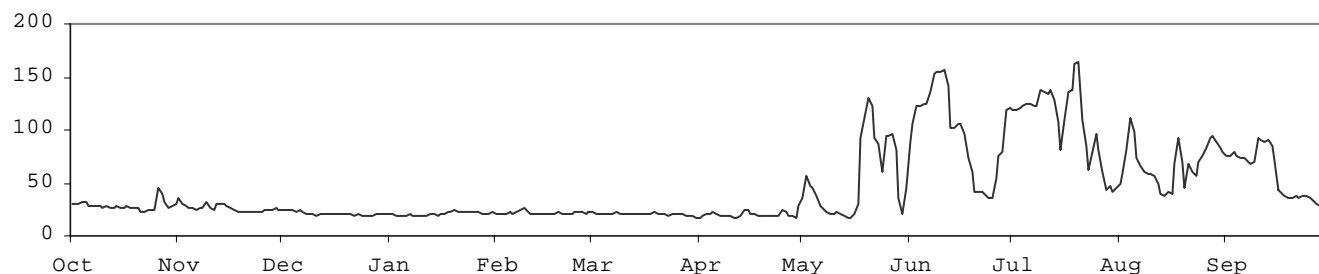
RATING TABLE.--CULSANCO05DISCHARGE, IN CFS, WATER YEAR 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	35	24	21	21	22	17	36	88	118	50	76
2	31	31	25	20	21	21	18	56	106	119	59	75
3	30	28	24	19	20	21	20	47	122	120	81	79
4	32	26	24	19	20	21	20	45	123	123	111	76
5	32	26	23	19	22	21	23	37	124	125	98	74
6	29	25	24	19	21	20	21	29	125	125	74	73
7	28	26	22	20	22	21	19	24	136	123	66	70
8	28	26	20	19	24	22	18	22	152	123	61	67
9	28	32	20	19	26	21	18	21	155	137	58	70
10	27	26	21	19	25	21	18	20	155	135	58	92
11	29	25	19	19	21	20	17	22	156	134	57	91
12	27	30	20	19	21	21	17	20	141	138	49	89
13	27	31	20	20	21	20	19	18	101	129	40	90
14	28	30	20	20	21	20	25	17	101	108	37	85
15	27	28	20	19	21	20	24	17	105	81	41	71
16	26	26	20	20	20	20	20	20	105	109	39	44
17	28	25	21	21	20	20	20	31	97	135	68	40
18	27	23	21	22	20	21	19	92	74	137	92	38
19	27	23	21	23	22	22	19	112	60	162	69	36
20	26	22	21	24	21	21	18	130	41	165	46	36
21	23	22	20	22	21	21	18	122	41	109	67	37
22	23	23	19	22	20	20	19	93	41	85	61	36
23	24	23	20	22	21	19	18	87	38	62	56	37
24	25	23	19	22	23	20	19	60	36	79	69	37
25	25	23	19	23	23	20	25	94	35	97	76	35
26	46	24	19	22	23	20	22	94	55	81	83	34
27	40	24	19	22	21	20	19	96	76	60	93	31
28	32	24	20	21	22	19	18	82	80	44	95	29
29	27	26	20	20	---	18	17	36	119	47	89	29
30	28	25	20	21	---	18	28	21	121	41	83	30
31	30	---	20	22	---	17	---	46	---	46	79	---
TOTAL	890	781	645	640	604	628	593	1647	2909	3297	2105	1707
MEAN	28.7	26	20.8	20.6	21.6	20.3	19.8	53.1	97	106	67.9	56.9
AC-FT	1770	1550	1280	1270	1200	1250	1180	3270	5770	6540	4180	3390
MAX	46	35	25	24	26	22	28	130	156	165	111	92
MIN	23	22	19	19	20	17	17	17	35	41	37	29
CAL YR 1998	TOTAL	17009	MEAN	46.6	MAX	154	MIN	16	AC-FT	33740		
WTR YR 1999	TOTAL	16446	MEAN	45.1	MAX	165	MIN	17	AC-FT	32620		

MAX DISCH: 173 CFS AT 22:15 ON Jul. 19, 1999 GH 2.05 FT. SHIFT 0.02 FT.

MAX GH: 2.05 FT. AT 22:15 ON Jul. 19, 1999

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 AND PERIOD OF RECORD.--7,700 mi². approximately, includes 2,940 mi². in closed basin in northern part of San Luis Valley, Colo. June 28, 1899-Nov. 7, 1910, non-recording gage; Nov. 8, 1910, water stage recorder, at present site and datum.

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. Stage-discharge relation ice affected Dec. 6-31, 1998-Feb. 5, 11-14, 16-17, 1999. Record is good except for periods of ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

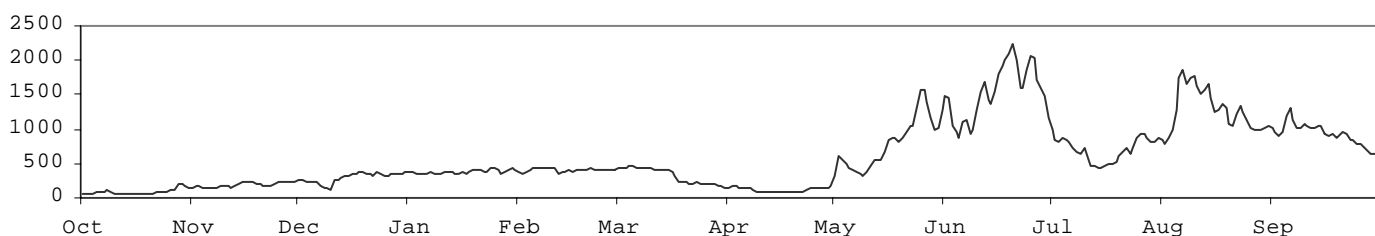
RATING TABLE.--RIOLOBCO03 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	150	261	375	380	422	150	325	1480	988	846	1020
2	47	164	250	375	360	439	160	610	1450	838	790	951
3	47	161	236	355	390	437	165	559	1060	811	874	896
4	55	153	232	340	410	454	144	489	962	864	997	973
5	90	147	234	340	450	451	136	437	877	856	1280	1190
6	99	144	226	355	428	443	140	419	1110	800	1740	1300
7	98	144	180	365	424	444	132	383	1130	736	1870	1130
8	106	140	150	360	430	441	108	335	916	657	1670	1030
9	78	161	140	355	429	442	99	326	999	643	1750	1030
10	69	183	130	360	445	426	101	364	1280	716	1760	1070
11	62	179	270	370	435	409	84	471	1550	629	1640	1060
12	57	146	260	380	340	419	87	538	1680	478	1520	1030
13	59	164	280	365	365	414	89	550	1410	472	1570	1010
14	63	198	310	345	380	420	90	558	1360	450	1650	1040
15	59	231	330	355	405	393	83	662	1550	445	1450	1060
16	54	227	350	365	380	389	80	855	1800	464	1240	942
17	51	223	360	345	400	327	81	883	1910	501	1270	907
18	52	227	370	390	402	242	84	859	2000	490	1370	917
19	51	218	380	415	419	232	92	818	2100	520	1310	876
20	54	197	350	415	418	230	94	884	2230	597	1080	904
21	60	186	350	395	426	216	86	965	2000	677	1050	964
22	73	179	320	370	419	209	85	1040	1600	736	1230	931
23	95	178	370	385	415	225	126	1060	1610	635	1330	853
24	101	211	340	435	406	217	150	1300	1850	722	1240	829
25	92	240	320	440	399	212	153	1580	2060	877	1120	799
26	110	231	330	415	410	211	152	1580	2040	939	1020	774
27	122	221	340	350	412	218	147	1400	1720	923	988	725
28	203	225	350	375	416	208	137	1160	1610	877	997	671
29	209	230	360	405	---	178	131	997	1490	807	988	632
30	173	238	360	430	---	164	161	1010	1150	800	1020	638
31	154	---	370	410	---	147	---	1290	---	869	1050	---
TOTAL	2699	5696	9109	11735	11393	10079	3527	24707	45984	21817	39710	28152
MEAN	87.1	190	294	379	407	325	118	797	1533	704	1281	938
AC-FT	5350	11300	18070	23280	22600	19990	7000	49010	91210	43270	78760	55840
MAX	209	240	380	440	450	454	165	1580	2230	988	1870	1300
MIN	47	140	130	340	340	147	80	325	877	445	790	632
CAL YR 1998 TOTAL		120587	MEAN	330	MAX	1450	MIN	32	AC-FT	239200		
WTR YR 1999 TOTAL		214608	MEAN	588	MAX	2230	MIN	47	AC-FT	425700		

MAX DISCH 2306 CFS AT 1200 20-JUN-1999 GH 3.96 FT. SHIFT -0.17 FT. MAX GH 3.96 FT. AT 1200 20-JUN-1999

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 except for July 31; Aug. 5-6, 1999 when there was missing satellite data. Stage-discharge relation ice affected on June 6, 1999. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TARBELCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

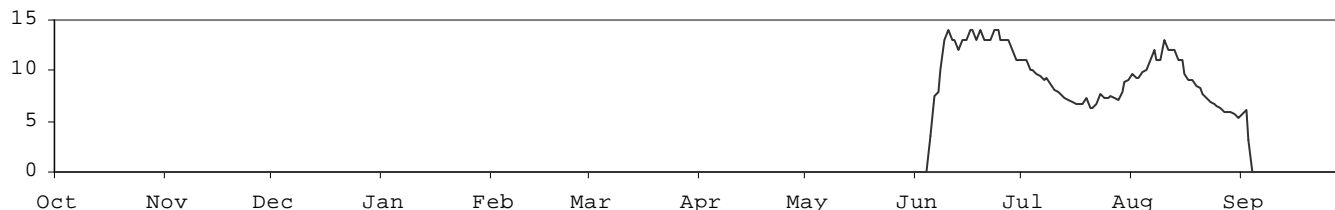
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	9.7	5.8
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	9.3	6.1
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	9.2	3.2
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	9.9	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	9.7	10	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	9.4	11	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	9.0	12	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	9.2	11	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	8.6	11	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	8.0	13	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	7.8	12	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	7.5	12	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	7.3	12	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	7.1	11	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	6.9	11	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	6.8	9.7	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	6.8	9.1	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	6.8	9.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	7.3	8.4	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	6.4	8.2	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	6.3	7.7	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	6.8	7.3	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	7.6	7.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	7.4	6.7	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	7.3	6.6	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	7.5	6.3	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	7.3	6.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	7.1	6.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	11	7.8	5.9	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	11	8.9	5.7	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	9.0	5.4	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	314.9	249.6	279.1	15.1
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	8.05	9.00	0.50
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	625	495	554	30
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	11	13	6.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	5.4	0.0

CAL YR 1998 TOTAL 390.2 MEAN 1.07 MAX 5.9 MIN 0.00 AC-FT 774
WTR YR 1999 TOTAL 858.7 MEAN 2.35 MAX 14 MIN 0.00 AC-FT 1700

MAX DISCH 17 CFS AT 2215 23-JUN-1999 GH 1.32 FT. SHIFT 0.06 FT. MAX GH 1.32 FT. AT 2215 23-JUN-1999

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



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO

LOCATION.--Lat 37°56'30", long 107°09'00"; Tabor ditch diverts water from tributaries of Cebolla Creek in secs, 29 and 36, T.43 N., R.3 W., in Gunnison River basin, to Big Spring Creek (tributary to North Clear Creek) in sec. 35, T.43 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Steven's Data Logger and satellite monitoring system at 3 ft Parshall flume.

REMARKS.--Record is complete and reliable except for July 31; Aug. 5-6, 1999 when there was missing satellite data. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

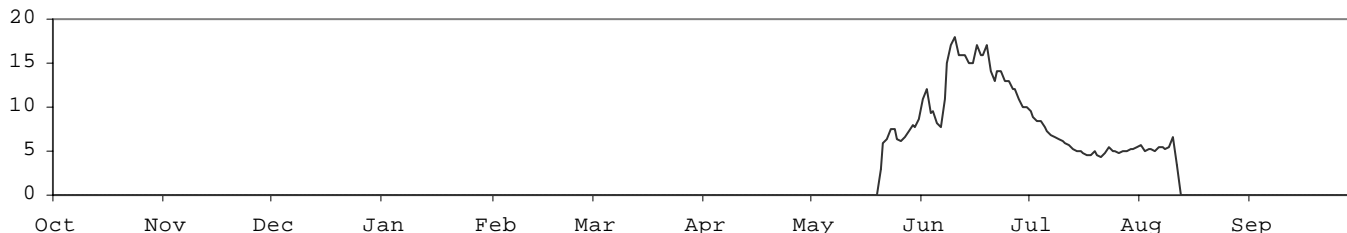
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	11	9.6	5.6	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	8.9	5.1	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	8.3	5.2	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	8.3	5.2	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	7.7	5.1	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	7.2	5.4	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	6.9	5.4	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	6.6	5.2	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	6.4	5.4	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	6.1	6.6	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	5.9	3.4	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	5.6	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	5.3	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	5.1	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	4.9	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	4.7	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	4.6	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	4.5	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	5.1	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	14	4.6	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	13	4.4	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	14	4.7	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	14	5.5	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	13	5.1	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	13	5.1	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	12	4.8	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	12	4.9	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	11	4.9	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	8.0	10	5.3	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	7.7	9.9	5.3	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	8.7	---	5.4	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.9	398.8	181.7	57.6	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.61	13.3	5.86	1.86	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	160	791	360	114	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	18	9.6	6.6	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	4.4	0.0	0.0

CAL YR 1998 TOTAL 465.71 MEAN 1.28 MAX 14 MIN 0.00 AC-FT 924
WTR YR 1999 TOTAL 719.0 MEAN 1.97 MAX 18 MIN 0.00 AC-FT 1430

MAX DISCH 21 CFS AT 2330 09-JUN-1999 GH 1.37 FT. SHIFT 0.06 FT. MAX GH 1.37 FT. AT 2330 09-JUN-1999

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



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO

LOCATION.--Treasure Pass diversion ditch diverts water from tributaries of Wolf Creek in San Juan River basin, to tributary of South Fork Rio Grande in sec. 5, T.37 N., R.2 E., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

REMARKS.--Record is complete and reliable except for June 26-July 6, 1999 when the recorder was not working properly. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

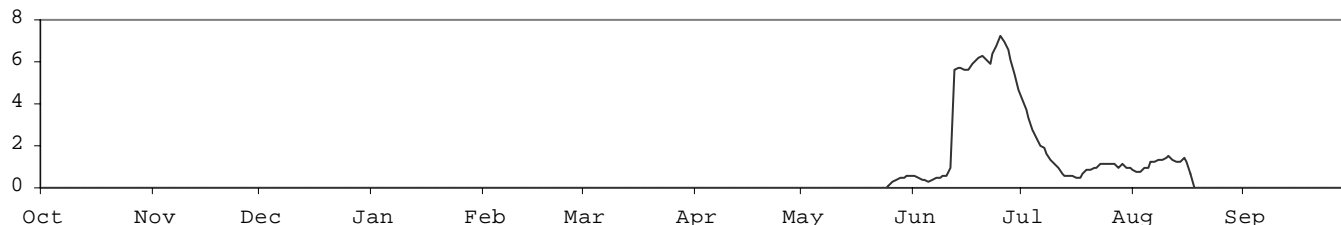
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	0.61	4.2	0.88	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	3.7	0.77	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	3.3	0.77	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	2.8	0.99	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	2.4	1.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	2.0	1.2	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	1.9	1.2	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	1.6	1.3	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	1.3	1.3	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	1.1	1.4	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.93	1.5	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.71	1.3	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.56	1.2	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.56	1.2	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.56	1.4	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.47	1.2	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.52	0.65	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.66	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.88	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.88	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.93	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.99	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	1.1	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	1.1	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	7.2	1.1	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	7.0	1.1	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.34	6.6	1.1	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	6.1	1.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.51	5.4	1.1	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.56	4.7	1.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.61	---	0.99	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.89	120.55	42.54	19.26	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	4.02	1.37	0.62	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	239	84	38	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	7.2	4.2	1.5	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.47	0.0	0.0

CAL YR 1998 TOTAL 112.54 MEAN 0.31 MAX 4.1 MIN 0.00 AC-FT 223
WTR YR 1999 TOTAL 185.24 MEAN 0.51 MAX 7.2 MIN 0.00 AC-FT 367

MAX DISCH 7.8 CFS AT 1510 20-JUN-1999 GH 1.05 FT. SHIFT -0.07 FT. MAX GH 1.05 FT. AT 1510 20-JUN-1999

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



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO

LOCATION.--SW¼ sec. 33, T.39 N., R.1 W., at Piedra Pass, Co. Diversion is from tributaries of Piedra River Basin to Red Mountain Creek in Rio Grande River Basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 9 in. Parshall flume.

REMARKS.--No water flowed by station during water year. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--DLFDT1C001 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
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 1998 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		
WTR YR 1999 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.--DLFDT2C002 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
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 1998 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		
WTR YR 1999 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 1998 TO SEPTEMBER 1999
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 1998 TOTAL			0 MEAN	0.00 MAX		0.00 MIN		0.00 AC-FT		0.00		
WTR YR 1999 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 except for July 31; Aug. 5-6, 1999 when there was missing satellite data. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--WCSGITCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

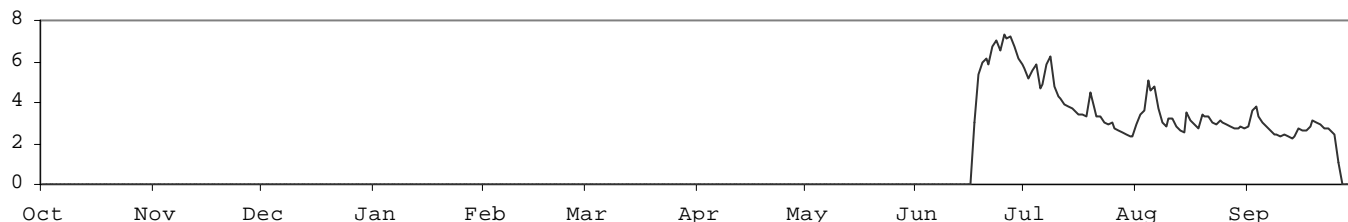
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	2.9	2.8
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	3.4	3.6
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	3.6	3.8
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	5.1	3.3
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.6	3.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.8	2.8
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	3.7	2.6
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	3.0	2.4
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	2.8	2.4
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	3.2	2.3
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	3.2	2.4
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	2.8	2.3
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	2.6	2.2
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	2.5	2.3
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	2.7
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.1	2.6
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.4	2.9	2.6
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	3.3	2.7	2.8
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	4.5	3.4	3.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	3.7	3.3	3.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	3.3	3.3	2.9
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	3.3	3.0	2.7
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	3.0	2.9	2.7
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	2.9	3.1	2.6
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	3.0	3.0	2.4
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	2.7	2.9	1.1
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	2.6	2.8	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	2.5	2.7	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	6.1	2.4	2.7	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	5.9	2.3	2.8	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	2.3	2.7	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86.9	120.9	99.0	69.4
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.90	3.90	3.19	2.31
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172	240	196	138
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	6.2	5.1	3.8
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.5	0.0

CAL YR 1998 TOTAL 145.82 MEAN 0.40 MAX 4.1 MIN 0.00 AC-FT 289
WTR YR 1999 TOTAL 376.2 MEAN 1.03 MAX 7.3 MIN 0.00 AC-FT 746

MAX DISCH 15 CFS AT 1815 07-JUL-1999 GH 1.39 FT. SHIFT 0.14 FT. MAX GH 1.39 FT. AT 1815 07-JUL-1999

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 and Sutron Satellite System at 3 ft Parshall flume.

REMARKS.--Record is complete and reliable except July 27-31, 1999 when the DCP was giving erroneous data; Aug. 5-6, 1999 when the DCP was missing data. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--PRWDITCO04 USED FROM 01-OCT-1998 TO 30-SEP-1999

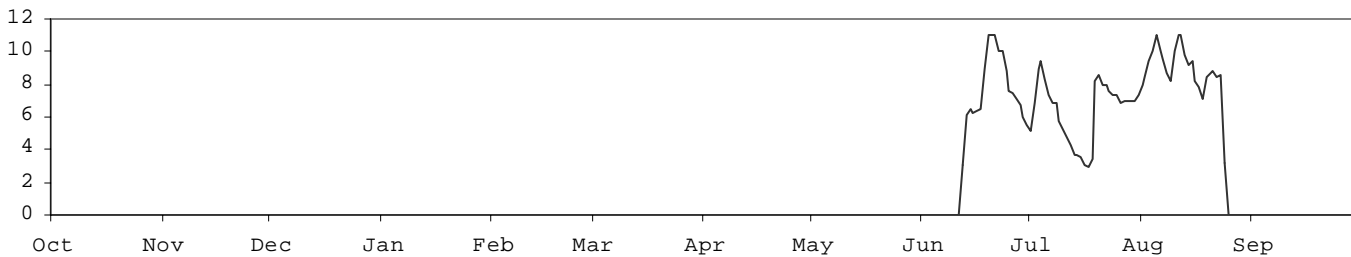
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	8.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	8.4	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	9.4	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	10	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	11	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	10	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	9.6	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	8.7	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	8.2	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	10	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	11	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	4.3	11	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	3.7	9.8	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	3.7	9.2	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	3.5	9.4	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	3.1	8.2	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	2.9	7.8	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	3.4	7.1	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	8.2	8.5	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	8.6	8.7	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	8.0	8.8	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	8.0	8.4	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	7.6	8.6	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	7.4	3.2	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	7.4	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	6.9	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	7.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	7.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	6.0	7.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	5.5	7.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	7.4	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146.0	197.9	213.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.87	6.38	6.87	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	290	393	422	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	9.4	11	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0

CAL YR 1998 TOTAL 188.82 MEAN 0.52 MAX 7.2 MIN 0.00 AC-FT 375
WTR YR 1999 TOTAL 556.9 MEAN 1.53 MAX 11 MIN 0.00 AC-FT 1100

MAX DISCH 11 CFS AT 2130 18-JUN-1999 GH 0.99 FT. SHIFT -0.02 FT. MAX GH 0.99 FT. AT 2130 18-JUN-1999

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 except for July 15-18, 1999 when the recorder clock stopped. Station maintained and record developed by the Division III Hydrographic Staff.

RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-1998 TO 30-SEP-1999

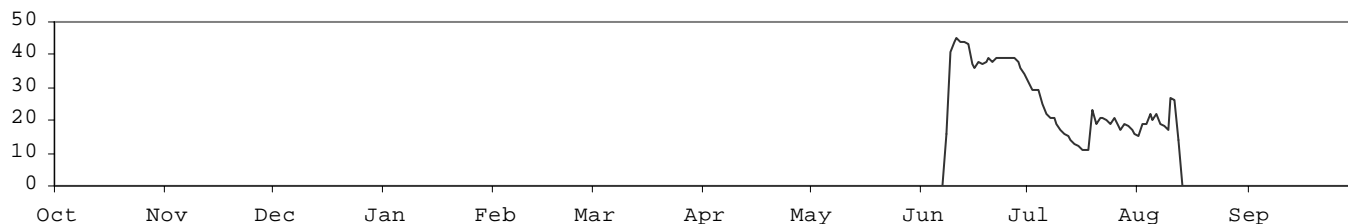
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	32	15	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	19	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	19	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	22	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	20	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	22	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	19	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	21	18	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	19	17	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	17	27	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	16	26	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	15	14	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	14	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	13	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	12	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	11	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	11	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	11	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	23	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	19	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	21	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	21	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	20	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	19	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	21	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	18	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	17	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	19	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	36	18	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	34	17	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	16	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	882	596	238	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4	19.2	7.68	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1750	1180	472	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	32	27	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0

CAL YR 1998 TOTAL 231.6 MEAN 0.63 MAX 13 MIN 0.00 AC-FT 459
WTR YR 1999 TOTAL 1716 MEAN 4.70 MAX 45 MIN 0.00 AC-FT 3400

MAX DISCH 49 CFS AT 1900 11-JUN-1999 GH 1.76 FT. SHIFT -0.01 FT. MAX GH 1.76 FT. AT 1900 11-JUN-1999

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



GUNNISON RIVER BASIN

09131490 MUDDY CREEK ABOVE PAONIA RESERVOIR(1998)

LOCATION.--Lat 38°59'15", long 107°20'53", in the NE¼SE¼NW¼ sec 28, T.12 S., R.89 W. in Gunnison County on the right bank 700 ft. downstream from county bridge and 1400 ft. upstream from high water line of Paonia Reservoir.

GAGE.--Water-stage recorder and satellite telemetry.

REMARKS.--Record is complete, good and reliable except for the following periods: Dec. 13, 1997-Jan. 4, 1998; Jan. 8-11, 16-29; Feb. 2, 11-14, 19-21, 1998 when the stage-discharge relationship was ice affected. June 5-17, 1998 when top inlet was closed and response time of well to stream was slow. Record rated poor during ice effect and fair for slow response time and good for all other times. Station maintained by Gerald M. Thrush and Steven W. Tuck. Record developed by Gerald M. Thrush.

RATING TABLE.--MUDAPRC06 USED FROM 01-OCT-1997 TO 30-SEP-1998

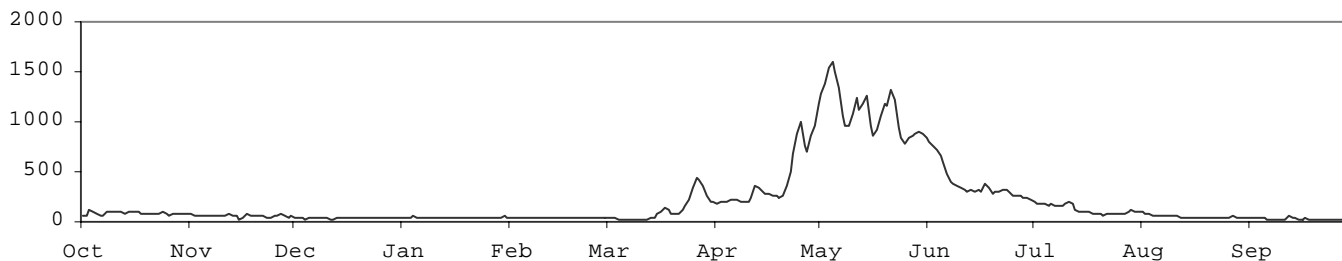
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	74	50	45	45	39	184	1290	795	202	109	40
2	53	63	48	46	48	41	208	1390	756	188	85	46
3	122	56	43	48	46	34	201	1550	723	177	73	39
4	98	63	29	52	33	29	206	1610	655	174	68	34
5	75	60	37	46	36	27	219	1500	596	168	61	31
6	66	58	46	40	39	27	227	1340	490	175	60	29
7	63	56	49	38	42	25	214	1060	405	161	57	27
8	101	56	42	45	45	26	207	962	379	157	54	25
9	99	61	38	45	50	26	199	960	353	153	52	22
10	91	65	31	46	48	27	195	1090	342	183	56	21
11	96	66	26	48	34	26	250	1240	327	191	56	22
12	103	72	29	49	45	29	362	1130	299	172	50	51
13	90	60	38	41	42	34	338	1180	312	128	44	46
14	93	60	45	39	45	46	306	1260	303	105	43	36
15	100	21	48	50	42	76	284	955	325	101	43	28
16	97	31	46	50	43	108	273	860	291	98	42	27
17	91	71	40	46	40	143	255	917	377	91	43	31
18	84	66	48	46	39	114	251	1070	333	85	42	30
19	77	69	46	34	32	85	246	1180	289	79	38	23
20	73	68	45	36	36	75	267	1160	291	71	36	22
21	82	55	44	38	45	90	359	1330	299	68	34	23
22	79	55	50	42	39	121	494	1220	318	72	35	22
23	78	45	45	45	35	168	686	943	313	79	36	22
24	93	50	44	42	37	227	875	845	293	78	36	23
25	81	57	42	42	40	350	1010	777	265	87	38	23
26	70	55	40	40	34	442	754	838	251	87	41	21
27	78	86	38	44	34	430	701	851	256	81	56	21
28	81	62	42	40	35	363	857	881	249	95	42	20
29	79	50	45	46	---	267	969	895	241	114	37	21
30	77	51	45	54	---	201	1180	871	218	96	34	23
31	76	---	44	45	---	204	---	834	---	94	33	---
TOTAL	2601	1762	1303	1368	1129	3900	12777	33989	11344	3810	1534	849
MEAN	83.9	58.7	42.0	44.1	40.3	126	426	1096	378	123	49.5	28.3
AC-FT	5160	3490	2580	2710	2240	7740	25340	67420	22500	7560	3040	1680
MAX	122	86	50	54	50	442	1180	1610	795	202	109	51
MIN	53	21	26	34	32	25	184	777	218	68	33	20

CAL YR 1997 TOTAL 76161 MEAN 209 MAX 1400 MIN 5.0 AC-FT 150100
WTR YR 1998 TOTAL 76366 MEAN 209 MAX 1610 MIN 20 AC-FT 151500

MAX DISCH 2007 CFS AT 2245 03-MAY-1998 GH 9.01 FT. SHIFT -0.24 FT. MAX GH 9.01 FT. AT 2245 03-MAY-1998

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



GUNNISON RIVER BASIN

09131490 MUDDY CREEK ABOVE PAONIA RESERVOIR(1999)

LOCATION.--Lat 38°59'15", long 107°20'53", in the NE¼SE¼NW¼ sec 28, T.12 S., R.89 W. in Gunnison County on the right bank 700 ft. downstream from county bridge and 1400 ft. upstream from high water line of Paonia Reservoir.

GAGE.--Water-stage recorder and satellite telemetry.

REMARKS.--Record is complete, good and reliable except for the following periods: Dec. 7, 1998-Jan. 19, 1999; Jan. 28-Feb. 5, 1999; Feb. 9-Mar. 5, 1999 when stage relation discharge was affected by ice. These periods estimated using strip charts and Paonia Reservoir. This period of record considered poor. Station maintained by Steven W. Tuck. Record developed by Steven W. Tuck.

RATING TABLE.--MUDAPRC006 USED FROM 01-OCT-1998 TO 30-SEP-1999

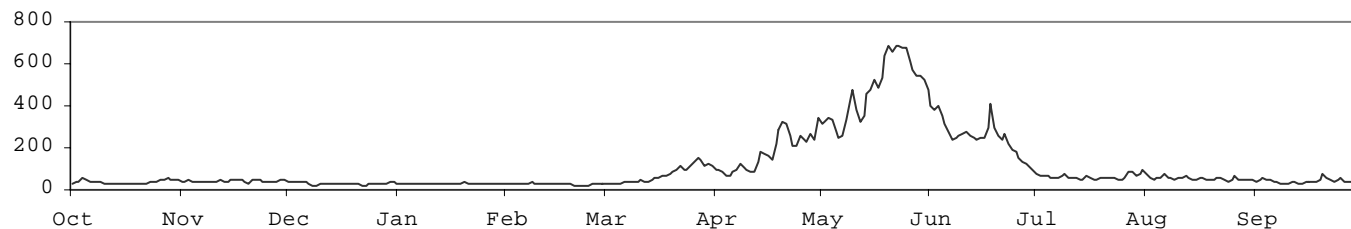
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	41	39	32	30	30	100	313	400	75	76	42
2	35	42	39	32	30	30	92	326	379	70	58	46
3	35	47	36	30	30	30	81	340	399	64	51	61
4	56	41	36	30	30	30	70	334	352	62	56	52
5	43	38	38	30	28	30	71	276	311	59	59	44
6	38	39	35	30	29	37	84	246	272	56	73	39
7	37	38	32	30	30	40	97	260	236	54	59	37
8	35	40	20	30	35	37	120	337	245	62	53	33
9	35	39	20	30	33	35	104	427	255	73	44	31
10	33	38	32	28	33	41	91	480	264	58	61	30
11	32	39	32	28	28	44	82	381	273	53	61	35
12	32	49	28	28	33	41	87	327	254	56	66	36
13	30	40	28	25	33	36	132	352	244	47	53	32
14	31	41	28	25	33	47	185	454	235	49	45	31
15	31	44	28	25	30	57	174	479	250	71	47	37
16	30	46	28	25	26	60	160	526	248	59	57	41
17	32	44	28	25	30	62	139	487	300	51	57	39
18	32	43	28	30	26	71	218	537	412	47	51	39
19	32	40	26	26	24	79	281	638	294	54	51	43
20	33	30	30	34	23	90	320	684	254	60	50	79
21	33	45	30	32	23	98	312	656	242	53	54	54
22	33	51	22	30	23	113	257	684	263	60	56	43
23	34	44	22	31	22	99	210	683	223	57	48	39
24	35	40	28	29	23	97	214	676	195	50	42	48
25	38	37	28	29	24	117	254	672	177	48	46	54
26	52	38	28	30	24	137	239	606	157	54	67	42
27	47	38	28	28	24	154	231	575	136	81	47	38
28	55	40	28	25	24	144	264	546	123	89	44	35
29	49	52	28	26	---	113	239	545	105	69	45	37
30	45	44	35	28	---	121	346	525	87	74	49	35
31	44	---	34	30	---	110	---	475	---	94	43	---
TOTAL	1156	1248	922	891	781	2230	5254	14847	7585	1909	1669	1252
MEAN	37.3	41.6	29.7	28.7	27.9	71.9	175	479	253	61.6	53.8	41.7
AC-FT	2290	2480	1830	1770	1550	4420	10420	29450	15040	3790	3310	2480
MAX	56	52	39	34	35	154	346	684	412	94	76	79
MIN	29	30	20	25	22	30	70	246	87	47	42	30

CAL YR 1998 TOTAL 74026 MEAN 203 MAX 1610 MIN 20 AC-FT 146800
WTR YR 1999 TOTAL 39744 MEAN 109 MAX 684 MIN 20 AC-FT 78830

MAX DISCH 798 CFS AT 0045 20-MAY-1999 GH 7.61 FT. SHIFT -0.10 FT. MAX GH 7.61 FT. AT 0045 20-MAY-1999

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 from Feb. 23-Mar. 4, 1999 when the inlet froze and Mar. 31-Apr. 10, 1999 when Beaver cuttings affected the stage. Record rated fair during these periods. Record developed and station maintained by Steve W. Tuck and Gerald M. Thrush.

RATING TABLE.--MUDBPRC06 USED FROM 01-OCT-1998 TO 30-SEP-1999

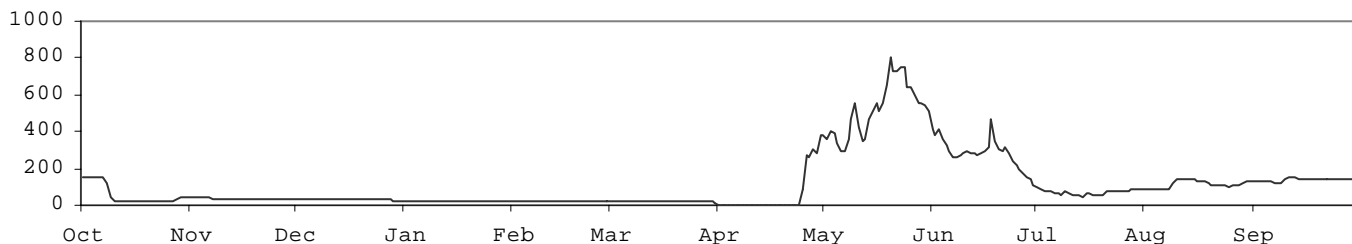
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	156	47	36	20	22	21	3.0	377	417	97	87	127
2	155	47	36	20	22	21	3.0	363	379	91	87	127
3	153	47	36	20	22	21	3.0	397	412	81	87	127
4	152	47	37	20	22	21	3.0	395	362	78	87	127
5	151	47	38	20	22	20	3.0	338	329	71	87	127
6	149	39	38	20	22	20	3.0	294	294	66	87	127
7	148	35	38	20	22	21	3.0	295	257	60	87	125
8	117	36	38	20	22	22	3.0	354	256	57	87	124
9	40	36	38	20	22	22	3.0	467	274	76	121	124
10	21	36	38	20	22	22	3.0	551	288	65	140	140
11	21	36	38	20	22	22	2.9	427	296	55	140	148
12	22	36	38	20	22	22	3.0	351	288	56	140	147
13	22	36	38	20	22	22	3.0	360	282	50	140	147
14	22	36	38	20	22	22	2.9	467	274	48	140	145
15	22	36	38	20	22	22	3.0	506	288	68	140	145
16	22	36	38	20	22	22	3.0	551	295	66	133	145
17	22	36	38	20	22	22	3.1	513	320	54	127	145
18	22	37	38	20	22	22	3.1	553	465	49	127	145
19	22	37	38	20	22	22	3.1	657	351	49	119	145
20	22	36	38	20	22	22	3.1	808	308	59	111	144
21	22	36	38	20	22	22	3.4	727	292	81	108	142
22	22	37	38	20	22	22	3.3	730	313	79	108	142
23	22	37	38	20	20	22	3.3	752	281	78	107	142
24	22	37	38	20	20	22	3.5	747	242	78	104	142
25	21	38	38	20	20	21	83	638	218	78	98	142
26	21	37	38	21	20	21	268	641	193	78	106	142
27	21	36	38	21	20	22	256	603	172	78	111	142
28	28	37	28	20	20	22	303	557	157	84	111	142
29	47	36	21	20	---	22	284	555	136	87	115	142
30	47	36	20	20	---	22	382	544	114	87	127	140
31	47	---	20	21	---	12	---	506	---	87	127	---
TOTAL	1781	1146	1108	623	604	661	1649.7	16024	8553	2191	3496	4149
MEAN	57.5	38.2	35.7	20.1	21.6	21.3	55.0	517	285	70.7	113	138
AC-FT	3530	2270	2200	1240	1200	1310	3270	31780	16960	4350	6930	8230
MAX	156	47	38	21	22	22	382	808	465	97	140	148
MIN	21	35	20	20	20	12	2.9	294	114	48	87	124

CAL YR 1998 TOTAL 84137 MEAN 231 MAX 1170 MIN 20 AC-FT 166900
WTR YR 1999 TOTAL 41985.7 MEAN 115 MAX 808 MIN 2.9 AC-FT 83280

MAX DISCH 972 CFS AT 1430 20-MAY-1999 GH 5.22 FT. SHIFT -0.01 FT. MAX GH 5.22 FT. AT 1430 20-MAY-1999

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



GUNNISON RIVER BASIN

ABC LATERAL NEAR MONTROSE, CO

LOCATION.--Lat 38°29'06", long 107°44'57", in SE¼NE¼NE¼ sec. 27, T.49 N., R.8 W., Montrose County, on left bank of canal 270 ft. below takeout from South Canal, such takeout being 1700 ft. below the west portal of the Gunnison Tunnel.

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

REMARKS.--Record is complete, good and reliable. The normal operating period of the canal was from Oct. 01-30, 1998 and from Mar. 15-Sep. 30, 1999. The canal was shut down on Apr. 12-14, 1999 for repairs to the South Canal below the AB Lateral headgate. The seepage water was diverted into the AB Lateral. The period from Oct. 31, 1998-Mar. 15, 1999 consisted of seepage from the Gunnison Tunnel. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--ABCLATCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

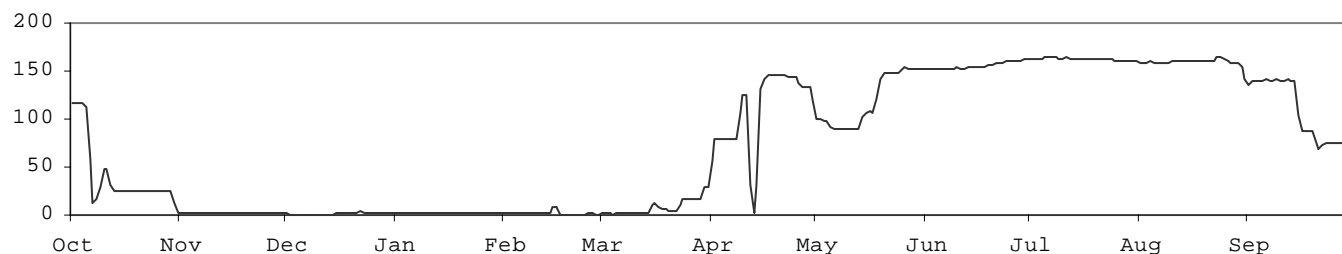
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	1.4	1.3	1.6	1.2	2.8	57	99	152	162	159	136
2	116	1.7	0.32	1.6	1.2	2.9	80	99	152	162	159	140
3	116	1.6	0.62	1.6	1.3	1.1	80	98	152	162	159	140
4	117	1.5	0.63	1.6	1.3	1.0	80	97	152	163	160	140
5	113	1.5	0.69	2.1	1.4	1.1	80	92	152	164	159	140
6	58	1.5	0.64	2.2	1.3	1.1	80	89	152	164	159	141
7	13	1.5	0.69	1.5	1.2	1.1	80	89	152	164	159	140
8	16	1.4	0.68	1.6	1.3	1.1	80	90	152	164	159	140
9	29	1.4	0.66	1.6	1.3	1.3	107	90	152	163	159	141
10	48	1.5	0.64	1.6	1.3	1.3	126	89	154	163	160	140
11	48	1.5	0.70	1.6	1.3	1.3	126	89	153	164	160	140
12	32	1.4	0.67	1.5	1.4	1.3	31	89	153	163	161	141
13	24	1.2	0.68	1.5	1.5	1.3	1.7	90	154	162	161	140
14	24	1.2	0.77	1.4	1.3	1.3	31	102	154	163	161	140
15	24	1.4	1.1	1.4	7.3	9.5	131	107	154	163	161	104
16	24	1.5	1.1	1.4	8.7	13	141	108	155	163	161	87
17	24	1.5	1.1	1.3	0.82	9.2	145	107	155	163	160	87
18	24	1.3	1.1	1.4	0.82	7.0	145	121	155	162	160	87
19	24	1.7	1.2	1.4	0.87	5.3	145	141	156	162	161	87
20	24	1.7	1.4	1.4	0.92	3.8	145	147	156	162	160	76
21	24	1.6	2.5	1.4	0.83	3.8	146	148	158	163	160	68
22	24	1.7	3.2	1.4	0.83	3.9	145	148	158	163	161	72
23	24	1.7	1.6	1.4	0.92	10	144	148	159	162	164	75
24	24	1.7	1.6	1.3	0.92	16	144	148	160	162	164	75
25	24	1.7	1.5	1.8	1.1	17	144	151	160	161	163	75
26	24	1.7	1.6	1.9	1.1	17	138	154	160	160	161	75
27	24	1.7	1.6	1.2	1.0	17	133	153	161	161	159	76
28	24	1.7	1.6	1.3	1.0	17	133	152	161	161	158	75
29	24	1.7	1.6	1.2	---	17	133	152	162	160	158	75
30	12	1.7	1.6	1.2	---	29	121	152	162	160	154	75
31	1.4	---	1.6	1.3	---	30	---	152	---	160	142	---
TOTAL	1243.4	46.3	36.69	46.7	45.43	245.5	3272.7	3691	4668	5031	4942	3228
MEAN	40.1	1.54	1.18	1.51	1.62	7.92	109	119	156	162	159	108
AC-FT	2470	92	73	93	90	487	6490	7320	9260	9980	9800	6400
MAX	117	1.7	3.2	2.2	8.7	30	146	154	162	164	164	141
MIN	1.4	1.2	0.32	1.2	0.82	1.0	1.7	89	152	160	142	68

CAL YR 1998 TOTAL 24434.91 MEAN 66.9 MAX 173 MIN 0.32 AC-FT 48470
WTR YR 1999 TOTAL 26496.72 MEAN 72.6 MAX 164 MIN 0.32 AC-FT 52560

MAX DISCH 165 CFS AT 0445 23-AUG-1999 GH 3.52 FT. SHIFT -0.12 FT. MAX GH 3.52 FT. AT 0445 23-AUG-1999

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 Oct. 30, 1998 and from Mar 15 to Sep 30, 1999. The intervening period reflected use on seven occasions to fill Fairview Reservoir. These periods were Nov 16-18, Nov. 30-Dec. 2, Dec. 21-23, 1998, Jan. 5-7, 25,27, Feb. 15-17, and Mar. 1-3, 1999. 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 16-18, and Nov. 30-Dec. 2, 1998, which is considered poor. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--SOUCANCO12 USED FROM 01-OCT-1998 TO 30-SEP-1999

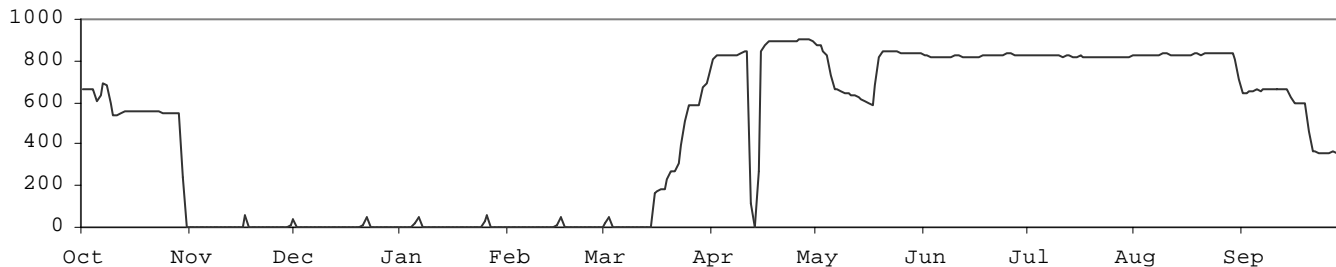
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	660	0.0	39	0.0	0.0	21	803	872	831	828	824	643
2	661	0.0	0.76	0.0	0.0	44	831	872	826	826	823	645
3	663	0.0	0.45	0.0	0.0	0.45	831	849	822	825	823	653
4	662	0.0	0.45	0.0	0.0	0.0	830	827	819	826	825	657
5	603	0.0	0.64	18	0.0	0.0	830	729	819	827	827	661
6	636	0.0	0.64	50	0.0	0.0	830	659	816	826	828	657
7	689	0.0	0.58	0.58	0.0	0.0	831	659	815	825	829	659
8	685	0.0	0.58	0.0	0.0	0.0	830	652	814	824	830	661
9	595	0.0	0.64	0.0	0.0	0.0	840	648	821	824	832	663
10	537	0.0	0.58	0.0	0.0	0.0	848	643	825	824	832	666
11	537	0.0	0.58	0.0	0.0	0.0	843	637	823	822	830	666
12	551	0.0	0.51	0.0	0.0	0.0	114	632	820	825	829	666
13	558	0.0	0.51	0.0	0.0	0.0	0.0	629	817	825	829	667
14	559	0.0	0.26	0.0	0.0	0.0	274	612	816	822	831	667
15	557	0.0	0.0	0.0	12	167	846	601	817	822	830	623
16	555	2.1	0.0	0.0	50	173	877	595	819	823	830	595
17	556	61	0.0	0.0	0.38	179	890	591	821	822	830	597
18	554	1.7	0.0	0.0	0.0	182	891	680	823	821	834	599
19	554	0.0	0.0	0.0	0.0	235	891	815	823	820	835	599
20	555	0.0	0.0	0.0	0.0	269	893	844	824	821	831	466
21	557	0.0	7.8	0.0	0.0	272	896	845	829	819	832	368
22	558	0.0	47	0.0	0.0	312	896	845	831	820	833	363
23	554	0.0	0.32	0.0	0.0	393	896	842	831	820	836	359
24	552	0.0	0.0	0.0	0.0	509	896	842	831	820	835	359
25	550	0.0	0.0	28	0.0	584	895	838	833	821	835	359
26	549	0.0	0.0	58	0.0	586	903	835	834	820	836	359
27	549	0.0	0.0	0.87	0.0	586	907	835	831	820	838	366
28	549	0.0	0.0	0.0	0.0	585	906	836	831	820	839	359
29	548	0.0	0.0	0.0	---	671	906	837	829	820	840	359
30	242	7.8	0.0	0.0	---	690	895	833	829	822	809	360
31	0.0	---	0.0	0.0	---	731	---	833	---	824	707	---
TOTAL	17135	72.6	101.30	155.45	62.38	7189.45	23819	23267	24720	25504	25622	16321
MEAN	553	2.42	3.27	5.01	2.23	232	794	751	824	823	827	544
AC-FT	33990	144	201	308	124	14260	47240	46150	49030	50590	50820	32370
MAX	689	61	47	58	50	731	907	872	834	828	840	667
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	591	814	819	707	359

CAL YR 1998 TOTAL 159499.92 MEAN 437 MAX 832 MIN 0.00 AC-FT 316400
WTR YR 1999 TOTAL 163969.19 MEAN 449 MAX 907 MIN 0.00 AC-FT 325200

MAX DISCH 910 CFS AT 1015 26-APR-1999 GH 2.98 FT. SHIFT -0.25 FT. MAX GH 3.59 FT. AT 0730 27-AUG-1999

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



GUNNISON RIVER BASIN

REDLANDS CANAL NEAR GRAND JUNCTION, CO(1998)

LOCATION.--Lat 39°01'49", long 108°33'51", in NW¼SW¼NW¼ sec 35, T.1 S., R.1 W., Mesa County, on the Right bank of canal 650 ft. below the Redlands diversion dam.

GAGE.--Water-stage recorder with satellite telemetry on a 4' diameter well in an 8'x10' steel shed on a concrete pad.

REMARKS.--Record is complete, good and reliable. The canal was off for maintenance from Oct. 20-27, 1997 and Mar. 20-Apr. 1, 1998. The flow in the canal was curtailed during emergency repairs Sep. 16-17, 1998 and held at a lower stage till fall maintenance. Record considered good. Station maintained by Steven W. Tuck and record developed by Gerald M. Thrush.

RATING TABLE.--RLCGRJCO04 USED FROM 01-OCT-1997 TO 30-SEP-1998

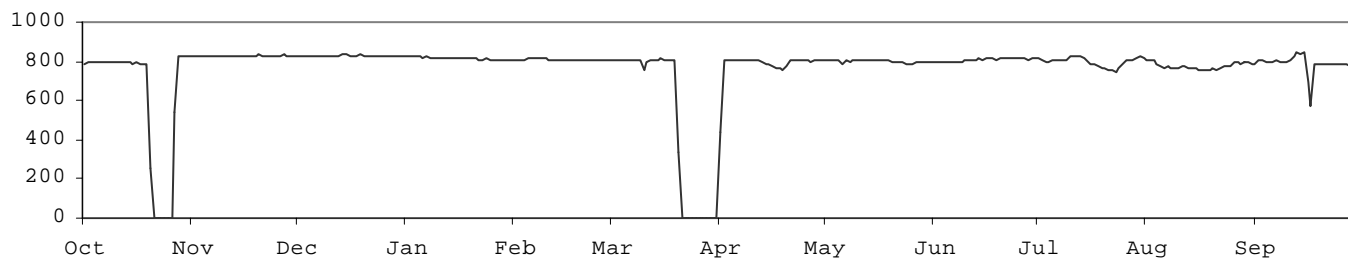
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	790	826	827	824	807	808	436	807	800	814	807	788
2	792	829	828	826	803	809	806	808	798	807	811	804
3	795	830	827	826	803	808	807	809	801	800	804	807
4	791	830	824	829	807	808	807	809	800	797	786	801
5	792	830	830	822	812	806	806	809	798	804	779	796
6	792	826	831	819	813	808	807	789	798	808	770	800
7	792	824	831	822	812	808	805	806	800	805	771	803
8	794	823	824	819	813	806	805	801	799	808	769	800
9	793	825	824	819	814	802	804	805	799	809	766	797
10	791	825	829	816	812	760	803	806	802	822	766	796
11	792	826	828	817	808	800	803	807	808	831	771	802
12	793	829	825	817	808	804	803	807	808	830	773	825
13	791	828	829	815	811	807	798	808	805	826	767	845
14	791	828	833	816	808	810	790	805	812	817	766	840
15	790	827	835	817	811	813	783	805	810	796	762	843
16	792	827	830	813	810	807	774	803	812	784	759	693
17	790	828	827	814	810	807	767	803	814	786	759	576
18	789	829	831	812	810	807	761	803	817	776	752	782
19	788	830	834	812	806	804	754	803	810	768	757	784
20	255	832	831	814	806	333	775	801	812	767	762	783
21	0.0	831	826	813	806	0.0	808	800	821	755	760	784
22	0.0	830	829	807	807	0.0	809	797	820	751	768	783
23	0.0	827	826	809	808	0.0	809	792	816	748	772	789
24	0.0	826	825	813	808	0.0	808	790	816	763	772	782
25	0.0	827	826	808	807	0.0	809	786	817	786	775	783
26	0.0	831	824	805	807	0.0	806	787	815	804	792	782
27	542	833	823	804	809	0.0	795	792	812	811	794	781
28	827	829	822	803	808	0.0	805	796	811	804	789	780
29	824	830	824	803	---	0.0	805	798	816	821	793	781
30	824	828	826	803	---	0.0	806	794	812	824	793	784
31	822	---	825	805	---	0.0	---	794	---	817	790	---
TOTAL	19132	24844	25654	25242	22644	15615	23554	24820	24259	24739	24055	23594
MEAN	617	828	828	814	809	504	785	801	809	798	776	786
AC-FT	37950	49280	50880	50070	44910	30970	46720	49230	48120	49070	47710	46800
MAX	827	833	835	829	814	813	809	809	821	831	811	845
MIN	0.0	823	822	803	803	0.0	436	786	798	748	752	576

CAL YR 1997 TOTAL 282460 MEAN 774 MAX 837 MIN 0.00 AC-FT 560300
WTR YR 1998 TOTAL 278152 MEAN 762 MAX 845 MIN 0.00 AC-FT 551700

MAX DISCH 880 CFS AT 2015 10-JUL-1998 GH 7.57 FT. SHIFT -0.07 FT. MAX GH 7.57 FT. AT 2015 10-JUL-1998

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



GUNNISON RIVER BASIN

REDLANDS CANAL NEAR GRAND JUNCTION, CO(1999)

LOCATION.--Lat 39°01'49", long 108°33'51", in NW¼SW¼NW¼ sec 35, T.1 S., R.1 W., Mesa County, on the Right bank of canal 650 ft. below the Redlands diversion dam.

GAGE.--Water-stage recorder with satellite telemetry on a 4' diameter well in an 8'x10' steel shed on a concrete pad.

REMARKS.--Record is complete, good and reliable, except for ice affected days on Dec. 22, 1998-Jan. 7, 1999, and Feb. 17-Mar. 20, 1999 when inlets were closed. Record considered good except for ice affected days and days when inlets closed, which are poor. Station maintained by Steven W. Tuck and record developed by Gerald M. Thrush.

RATING TABLE.--RLCGRJCO04 USED FROM 01-OCT-1998 TO 30-SEP-1999

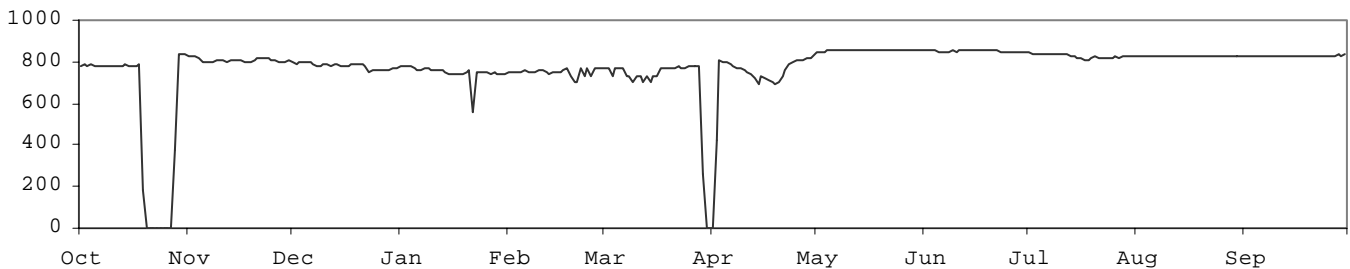
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	783	827	796	775	747	765	0.0	845	851	842	826	827
2	785	824	792	775	752	765	424	846	853	841	826	829
3	783	823	797	775	750	735	805	849	852	841	824	831
4	785	815	796	775	750	765	800	851	853	841	826	829
5	780	800	795	770	751	765	796	852	850	838	829	830
6	780	797	796	760	756	765	784	852	849	838	827	828
7	781	797	790	761	752	735	775	853	849	836	828	827
8	781	801	783	769	752	735	765	853	850	835	824	829
9	782	808	783	769	753	700	769	855	851	832	824	826
10	782	811	787	758	755	735	761	854	850	832	828	829
11	780	803	784	756	758	735	750	852	852	833	825	825
12	779	801	783	756	746	700	743	852	852	834	828	825
13	782	804	786	758	742	735	723	854	852	831	825	825
14	784	804	785	754	746	700	695	854	853	825	825	827
15	783	804	783	743	749	735	726	853	852	818	825	830
16	781	804	783	739	747	735	721	853	854	815	827	828
17	783	801	783	744	756	765	716	854	858	811	823	831
18	784	799	784	743	765	765	699	853	858	810	826	831
19	181	802	784	745	735	765	692	854	857	819	826	831
20	0.0	809	785	752	700	765	703	854	855	825	826	831
21	0.0	818	789	761	700	768	731	854	853	822	826	829
22	0.0	817	780	561	765	776	756	854	853	813	827	828
23	0.0	819	750	753	735	770	784	854	850	816	825	829
24	0.0	816	755	750	765	768	799	853	849	813	825	828
25	0.0	808	755	750	735	775	810	854	848	822	825	829
26	0.0	805	755	748	765	781	812	854	848	823	826	828
27	0.0	802	760	745	765	781	811	854	847	822	826	829
28	378	801	760	749	765	779	816	852	846	823	827	832
29	835	802	760	744	---	259	818	852	844	825	826	830
30	838	804	765	740	---	0.0	830	853	843	829	827	833
31	836	---	770	742	---	0.0	---	854	---	827	829	---
TOTAL	17146	24226	24154	23220	20957	21322	21814	26431	25532	25632	25607	24864
MEAN	553	808	779	749	748	688	727	853	851	827	826	829
AC-FT	34010	48050	47910	46060	41570	42290	43270	52430	50640	50840	50790	49320
MAX	838	827	797	775	765	781	830	855	858	842	829	833
MIN	0.0	797	750	561	700	0.0	0.0	845	843	810	823	825

CAL YR 1998 TOTAL 274048 MEAN 751 MAX 845 MIN 0.00 AC-FT 543600
WTR YR 1999 TOTAL 280905 MEAN 770 MAX 858 MIN 0.00 AC-FT 557200

MAX DISCH 875 CFS AT 1315 28-OCT-1998 GH 7.29 FT. SHIFT 0.06 FT. MAX GH 7.37 FT. AT 1515 25-DEC-1998

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



GUNNISON RIVER BASIN

UNCOMPAGRE RIVER NEAR OLATHE, CO(1998)

LOCATION.--Lat 38°36'5", long 107°58'58", SW¼SW¼ of NW¼ sec. 15, T.50 N., R. 10W, NMPM, and about 3,100 ft. above the S. H. 348 bridge and about 5,100 ft below the East Canal headgate and diversion structure, both stream distance. The gage is on the right bank and in Montrose County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry. The DCP is the primary record with Electronic Data Logger as backup.

REMARKS.--The record is complete reliable and good except for the ice affected periods of Dec. 4-5, 12-14, 26-28, 1997 and Jan. 21-23, 1998 which are considered fair. The primary record is satellite transmitted data from the DCP. The Secondary record for this station is the Electronic Data Logger (EDL). The tertiary record is the strip chart. The Uncompahgre River is controlled by releases from Ridgway Reservoir and imported water through the Gunnison Tunnel during periods of low natural stream flow. The canals of the Uncompahgre Project effect the amount of discharge at this gage. The East Canal is immediately above. The Ironstone Canal is above that, and operation of those automatic gates is reflected at this site by uneven stage from the gates seeking their set level. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--UNCOLACO06 USED FROM 01-OCT-1997 TO 30-SEP-1998

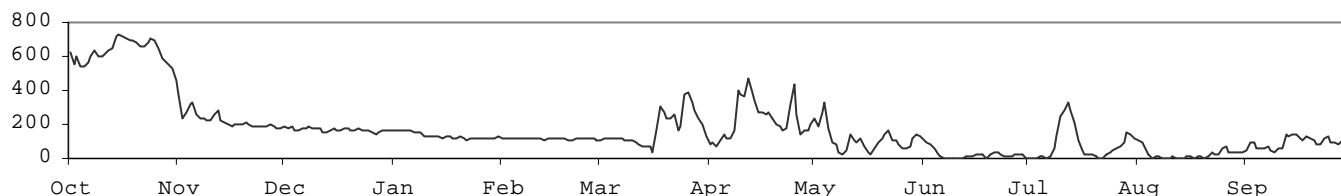
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	618	380	184	161	119	108	78	241	111	1.5	106	50
2	556	234	180	162	118	113	94	186	92	1.8	90	97
3	600	267	183	167	119	116	72	266	88	1.6	76	92
4	547	315	166	167	121	113	107	331	60	9.7	24	59
5	537	324	166	165	122	112	141	181	27	14	2.6	58
6	561	255	175	162	120	115	122	95	6.8	5.8	6.9	61
7	605	236	179	155	121	120	115	86	3.1	8.4	8.2	65
8	638	230	187	154	119	111	165	36	1.6	5.9	2.4	52
9	600	229	182	154	117	109	400	20	1.2	12.9	2.3	39
10	599	229	177	133	116	103	371	46	1.6	24.6	4.6	55
11	613	256	173	128	112	96	363	138	1.5	27.9	10	61
12	633	281	156	128	114	87	470	110	2.8	33.0	5.6	137
13	648	223	158	125	110	74	393	92	14	28.3	1.5	124
14	717	216	166	127	115	72	341	112	12	21.2	1.7	141
15	727	205	171	120	114	72	273	75	16	10.8	7.7	141
16	721	188	170	128	113	31	265	32	19	4.2	6.6	112
17	704	200	168	124	112	166	254	18	23	2.8	5.3	110
18	697	201	172	123	112	304	265	64	27	2.4	1.1	133
19	699	204	171	123	112	271	238	97	1.2	2.0	8.9	112
20	681	207	167	126	109	239	203	115	18	1.4	3.4	107
21	660	201	165	114	110	240	184	147	33	3.8	1.5	84
22	663	194	172	110	113	254	164	162	32	5.3	3.5	85
23	680	187	168	122	112	161	175	101	20	1.9	2.8	113
24	703	191	164	120	113	187	315	104	15	3.8	2.4	124
25	690	192	166	120	116	381	441	79	8.3	4.9	6.2	95
26	651	194	154	116	114	388	262	62	11	6.3	7.2	89
27	584	198	146	118	116	324	145	63	19	7.5	3.5	83
28	574	190	155	118	111	279	170	65	27	9.3	3.6	103
29	551	181	167	116	---	235	169	114	19	14.9	3.7	148
30	526	180	162	120	---	197	200	139	2.6	13.9	3.2	186
31	457	---	161	127	---	129	---	127	---	11.9	3.3	---
TOTAL	19440	6788	5231	4133	3220	5307	6955	3504	713.7	2569.9	793.7	2916
MEAN	627	226	169	133	115	171	232	113	23.8	82.9	25.6	97.2
AC-FT	38560	13460	10380	8200	6390	10530	13800	6950	1420	5100	1570	5780
MAX	727	380	187	167	122	388	470	331	111	33.0	10.6	186
MIN	457	180	146	110	109	31	72	18	1.2	1.5	1.5	39

CAL YR 1997 TOTAL 99879.7 MEAN 273.6 MAX 753 MIN 9.7 AC-FT 198100
WTR YR 1998 TOTAL 61571.3 MEAN 169 MAX 727 MIN 1.2 AC-FT 122100

MAX DISCH 744 CFS AT 0630 15-OCT-1997 GH 4.38 FT. SHIFT 0.15 FT. MAX GH 4.38 FT. AT 0630 15-OCT-1997

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



GUNNISON RIVER BASIN

UNCOMPAGRE RIVER NEAR OLATHE, CO(1999)

LOCATION.--Lat 38°36'5", long 107°58'58", SW¼SW¼ of NW¼ sec. 15, T.50 N., R. 10W, NMPM, and about 3,100 ft. above the S. H. 348 bridge and about 5,100 ft below the East Canal headgate and diversion structure, both stream distance. The gage is on the right bank and in Montrose County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry. The DCP is the primary record with Electronic Data Logger as backup.

REMARKS.--The record is complete reliable and good except for Dec. 22-31, 1998 when the record is considered poor due to ice affect. The primary record is satellite transmitted data from the DCP. The Secondary record for this station is the Electronic Data Logger (EDL). The tertiary record is the strip chart. The Uncompahgre River is controlled by releases from Ridgway Reservoir and imported water through the Gunnison Tunnel during periods of low natural stream flow. The canals of the Uncompahgre Project effect the amount of discharge at this gage. The East Canal is immediately above. The Ironstone Canal is above that, and operation of those automatic gates is reflected at this site by uneven stage from the gates seeking their set level. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--UNCOLACO06 USED FROM 01-OCT-1998 TO 30-SEP-1999

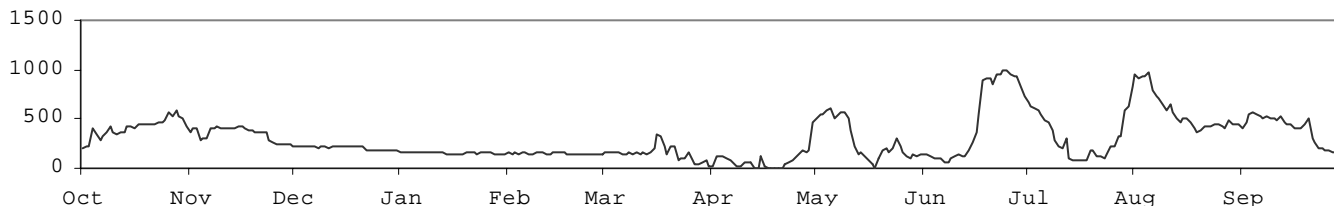
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	372	232	172	156	155	23	499	141	677	953	414
2	223	410	231	166	150	160	124	544	139	634	919	463
3	224	400	229	166	153	153	122	546	114	608	938	538
4	397	292	229	163	149	157	122	597	95	587	940	574
5	353	297	232	161	158	157	110	609	98	554	973	551
6	284	299	225	161	153	152	91	508	96	495	786	521
7	327	397	221	164	150	149	62	526	57	470	725	512
8	364	404	210	161	151	153	28	566	61	379	700	532
9	428	426	219	155	156	152	28	570	95	291	649	512
10	367	405	221	156	164	153	59	513	122	222	591	503
11	342	403	210	156	154	152	54	388	143	196	640	483
12	366	407	214	159	142	158	52	213	123	312	574	522
13	367	407	214	154	148	152	8.1	150	116	102	505	472
14	432	410	214	147	154	154	0.44	162	174	78	475	447
15	419	416	213	146	158	206	115	114	268	89	501	454
16	402	422	213	145	155	348	14	91	363	77	506	401
17	448	407	214	145	154	320	6.6	42	538	87	464	403
18	442	394	214	146	146	230	4.2	8.0	901	86	403	401
19	441	383	215	149	149	152	1.9	95	913	192	372	446
20	448	369	215	160	146	220	0.81	177	912	176	387	499
21	456	365	215	168	146	223	2.4	203	848	124	424	308
22	456	370	185	155	146	79	33	171	958	115	423	256
23	464	366	185	148	141	96	59	196	954	101	434	200
24	458	281	185	155	146	103	82	298	990	146	447	195
25	493	267	180	159	149	164	124	214	997	232	443	189
26	574	245	180	161	151	81	150	153	951	217	424	183
27	537	243	180	155	147	49	175	120	935	330	415	169
28	587	238	180	147	148	40	169	110	929	333	485	164
29	522	236	175	146	---	53	174	132	827	597	453	158
30	513	234	175	148	---	78	466	131	734	628	448	173
31	431	---	175	151	---	16	---	149	---	832	446	---
TOTAL	12760	10565	6400	4825	4220	4615	2460.45	8795.0	14592	9967	17843	11643
MEAN	412	352	206	156	151	149	82.0	284	486	322	576	388
AC-FT	25310	20960	12690	9570	8370	9150	4880	17440	28940	19770	35390	23090
MAX	587	426	232	172	164	348	466	609	997	832	973	574
MIN	195	234	175	145	141	16	0.44	8.0	57	77	372	158

CAL YR 1998 TOTAL 59837.3 MEAN 164 MAX 587 MIN 1.2 AC-FT 118700
WTR YR 1999 TOTAL 108685.45 MEAN 298 MAX 997 MIN 0.44 AC-FT 215600

MAX DISCH 1106 CFS AT 2145 31-JUL-1999 GH 5.19 FT. SHIFT 0.58 FT. MAX GH 5.37 FT. AT 0830 25-JUN-1999

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 and reliable except for the following periods: July 30; Aug. 3-5 when satellite data was missing and pen was not inking the chart. Transmountain diversions through the Continental-Hoosier Tunnel from May 13-Oct. 19 and through Boreas Pass Ditch from June 22-Aug.27. Record is poor due to the rating curve not being well defined throughout. Station maintained by Scott Hummer and Judy Sappington, Records developed by Judy Sappington.

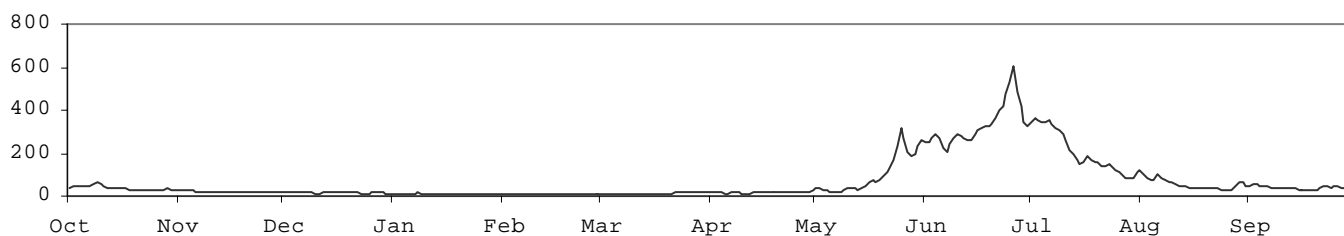
RATING TABLE.--BLUNINCO03 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	29	18	13	13	12	16	38	248	340	124	51
2	42	28	17	13	13	12	16	33	249	365	103	52
3	48	28	17	13	12	12	15	29	271	352	87	53
4	46	27	17	13	12	12	14	26	285	346	74	50
5	46	25	17	13	12	12	13	23	270	345	74	47
6	43	21	16	13	12	12	13	20	220	351	98	43
7	42	20	15	13	12	12	14	19	207	338	88	40
8	55	20	14	14	12	11	15	20	242	313	77	37
9	61	20	14	13	12	11	15	25	272	311	67	35
10	55	21	13	13	13	11	13	34	290	285	65	33
11	47	20	13	13	13	11	13	38	278	257	59	33
12	40	19	14	13	12	11	13	33	273	217	51	37
13	35	19	14	13	12	11	14	29	263	194	47	36
14	34	20	14	13	12	11	14	33	256	163	43	33
15	34	21	14	13	12	11	14	46	287	152	38	31
16	33	23	14	13	12	11	14	62	308	162	35	29
17	33	23	14	13	12	11	14	71	318	186	33	31
18	32	23	14	13	12	12	14	63	327	172	37	28
19	30	22	15	13	12	12	14	71	325	160	38	28
20	28	21	15	13	12	13	15	96	332	154	38	31
21	30	19	14	13	12	13	17	111	366	141	39	37
22	29	18	14	13	12	14	19	132	402	140	37	42
23	28	18	13	13	12	14	19	167	414	146	34	42
24	27	19	13	13	12	14	19	237	476	138	32	40
25	26	19	13	13	12	15	20	319	533	122	30	43
26	25	18	14	12	12	16	20	266	604	108	29	47
27	26	18	15	13	12	16	20	203	487	96	32	39
28	29	19	16	13	12	16	23	182	420	84	47	35
29	34	19	14	13	---	15	21	197	346	81	66	33
30	31	18	13	13	---	15	30	234	329	84	63	32
31	29	---	13	13	---	16	---	256	---	107	49	---
TOTAL	1132	635	451	403	340	395	491	3113	9898	6410	1734	1148
MEAN	36.5	21.2	14.5	13.0	12.1	12.7	16.4	100	330	207	55.9	38.3
AC-FT	2250	1260	895	799	674	783	974	6170	19630	12710	3440	2280
MAX	61	29	18	14	13	16	30	319	604	365	124	53
MIN	25	18	13	12	12	11	13	19	207	81	29	28
CAL YR 1998 TOTAL		15808	MEAN	43.3	MAX	270	MIN	13	AC-FT	31360		
WTR YR 1999 TOTAL		26150	MEAN	71.6	MAX	604	MIN	11	AC-FT	51870		

MAX DISCH 698 CFS AT 0700 26-JUN-1999 GH 3.11 FT. SHIFT -0.48 FT. MAX GH 3.11 FT. AT 0700 26-JUN-1999

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 Dec. 9-15, 22-29, 1998; Jan. 30-31; Feb. 1, 12-14, 1999 when stage discharge relation ice affected and satellite data partially missing and chart data unreliable due to clock problems Aug. 5-6, 1999. Record is good except for periods of ice affected record and estimated 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-1998 TO 30-SEP-1999

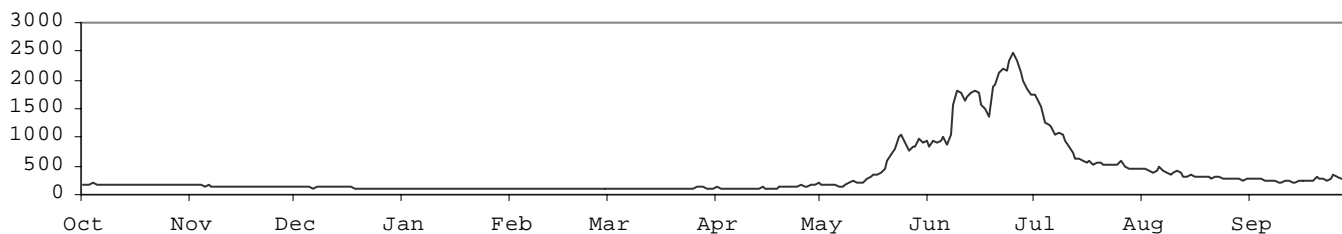
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	160	132	111	106	100	123	179	849	1740	462	272
2	184	179	130	108	105	101	121	185	932	1690	464	286
3	176	165	128	111	104	99	116	178	911	1530	432	291
4	201	157	128	111	105	100	110	175	938	1250	389	278
5	185	151	124	108	105	101	116	161	1010	1230	425	256
6	174	160	112	108	102	100	110	154	876	1190	488	243
7	180	153	124	107	102	98	115	152	1040	1060	409	233
8	186	154	127	107	102	100	122	166	1570	1070	372	227
9	185	156	129	112	102	95	116	199	1830	1040	353	223
10	190	143	124	108	104	96	112	243	1790	949	371	218
11	188	144	129	106	94	95	106	213	1630	846	402	230
12	184	147	131	106	98	98	113	200	1720	730	367	242
13	183	145	130	105	99	95	121	211	1790	616	327	226
14	183	147	129	106	101	96	125	279	1800	641	306	212
15	182	150	127	110	104	100	117	309	1790	584	342	231
16	176	150	126	108	102	102	109	353	1560	559	321	259
17	174	148	123	108	103	102	114	360	1510	600	322	242
18	167	144	121	105	101	106	115	373	1370	531	301	239
19	170	139	118	109	102	110	123	469	1900	561	299	248
20	170	130	116	111	100	114	137	599	1910	572	303	298
21	163	137	116	109	100	119	156	689	2130	513	295	287
22	165	140	112	106	101	119	155	786	2210	525	310	265
23	164	139	116	107	103	116	147	1020	2160	528	298	251
24	162	139	119	106	100	116	151	1040	2340	508	278	291
25	161	136	115	104	100	122	168	917	2460	532	279	338
26	168	134	113	107	100	135	153	775	2320	582	290	303
27	167	135	113	105	98	138	146	834	2140	494	275	280
28	175	135	109	101	98	123	157	833	1990	463	281	266
29	165	137	109	106	---	118	163	965	1850	440	267	261
30	163	133	109	106	---	121	198	905	1760	440	259	261
31	162	---	109	106	---	121	---	931	---	454	263	---
TOTAL	5427	4387	3748	3328	2841	3356	3935	14853	50086	24468	10550	7757
MEAN	175	146	121	107	101	108	131	479	1670	789	340	259
AC-FT	10760	8700	7430	6600	5640	6660	7810	29460	99350	48530	20930	15390
MAX	201	179	132	112	106	138	198	1040	2460	1740	488	338
MIN	161	130	109	101	94	95	106	152	849	440	259	212

CAL YR 1998 TOTAL 107311 MEAN 294 MAX 1420 MIN 105 AC-FT 212900
WTR YR 1999 TOTAL 134736 MEAN 369 MAX 2460 MIN 94 AC-FT 267200

MAX DISCH 2667 CFS AT 0415 25-JUN-1999 GH 5.65 FT. SHIFT 0.11 FT. MAX GH 5.65 FT. AT 0415 25-JUN-1999

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 Dec 21-23 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 21 - Aug 09 and through Busk-Ivanhoe Tunnel from May 25 to late July. Station maintained and records developed by Judy Sappington.

RATING TABLE.--FRYTHOCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

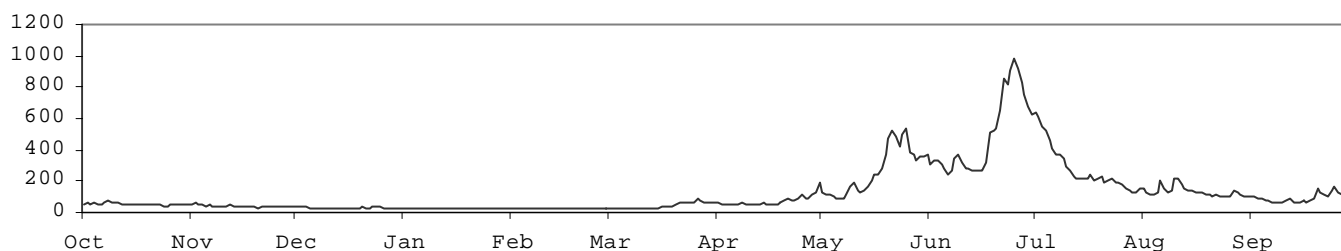
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	47	33	27	27	28	59	134	312	638	153	107
2	58	58	33	27	27	28	55	120	326	609	133	96
3	48	55	32	28	27	28	48	112	337	543	113	94
4	62	45	32	27	26	28	48	105	307	523	110	86
5	57	42	28	27	27	28	45	95	279	455	126	79
6	52	45	27	27	27	28	46	87	241	410	206	74
7	59	42	25	27	27	27	52	87	263	365	151	70
8	71	42	25	27	27	28	60	116	341	366	125	65
9	70	44	28	26	27	27	51	168	366	343	136	62
10	70	34	26	27	28	27	48	193	314	299	218	60
11	62	39	26	26	27	27	46	145	286	267	211	78
12	56	47	26	26	28	27	50	129	278	236	180	88
13	52	42	28	26	28	26	57	142	270	214	150	70
14	55	40	31	26	28	27	60	172	266	218	136	63
15	53	41	28	26	28	30	52	200	268	211	140	65
16	48	42	29	26	27	32	46	246	264	220	128	72
17	49	41	30	26	27	33	50	240	324	248	125	70
18	46	38	30	28	27	37	51	275	507	204	130	76
19	49	35	31	28	28	42	60	372	522	212	116	88
20	50	31	33	28	28	50	77	469	540	234	119	152
21	47	36	27	29	27	60	89	519	647	196	107	133
22	47	37	30	29	28	66	82	485	857	201	116	116
23	46	37	38	29	28	64	74	426	823	218	101	101
24	44	35	40	29	28	61	84	493	907	188	108	136
25	44	34	34	29	27	69	112	538	988	187	104	170
26	46	33	31	29	28	83	89	381	917	181	99	131
27	46	33	28	28	28	82	90	366	829	156	144	109
28	53	34	27	28	27	68	114	329	758	136	130	98
29	50	35	27	28	---	61	133	358	677	125	112	93
30	49	34	27	29	---	62	197	363	624	128	102	91
31	49	---	26	28	---	60	---	365	---	156	100	---
TOTAL	1637	1198	916	851	767	1344	2125	8230	14638	8687	4129	2793
MEAN	52.8	39.9	29.5	27.5	27.4	43.4	70.8	265	488	280	133	93.1
AC-FT	3250	2380	1820	1690	1520	2670	4210	16320	29030	17230	8190	5540
MAX	71	58	40	29	28	83	197	538	988	638	218	170
MIN	44	31	25	26	26	26	45	87	241	125	99	60

CAL YR 1998 TOTAL 42333 MEAN 116 MAX 735 MIN 24 AC-FT 83970
WTR YR 1999 TOTAL 47315 MEAN 130 MAX 988 MIN 25 AC-FT 93850

MAX DISCH 1173 CFS AT 0030 25-JUN-1999 GH 4.16 FT. SHIFT -0.09 FT. MAX GH 4.16 FT. AT 0030 25-JUN-1999

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



ROARING FORK RIVER BASIN

09080100 FRYING PAN RIVER AT MEREDITH, CO

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec. 11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, 0.1 mi downstream from Waterbury Creek, and 0.7 mi downstream from Jakeman Creek.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in a 42-inch corrugated metal well. Control is natural channel (high flows) rock and cobble (low flows). Datum of gage is 7,780 ft from topographic map.

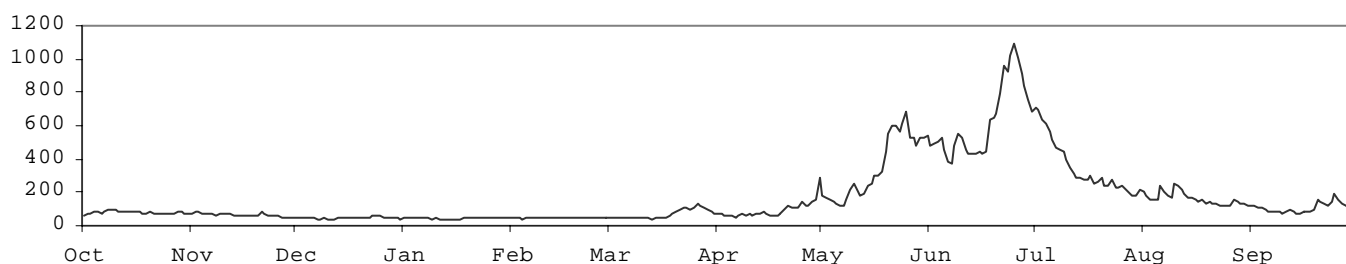
REMARKS.--Record is complete and reliable except for the following periods: Dec 5 -March 30 when gage height was ice affected or frozen. Record is good except for periods of missing or ice affected record which are poor. Transmountain diversions through Boustead Tunnel from May 21 - Aug 09 and through Busk-Ivanhoe Tunnel from May 25 to late July. Station maintained and records developed by Judy Sappington.

RATING TABLE.--FRYMERCO04 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	74	49	44	44	46	78	182	482	704	200	125
2	78	87	49	44	44	46	75	167	492	698	182	116
3	70	83	48	46	44	46	66	156	508	639	153	112
4	83	75	49	44	42	46	63	148	534	616	153	103
5	82	67	44	44	44	46	60	135	451	561	162	94
6	75	75	44	44	44	46	54	123	384	518	242	89
7	83	72	41	44	44	44	58	120	376	467	203	85
8	92	66	41	44	44	46	70	156	482	456	176	80
9	92	72	46	42	44	44	65	213	550	441	170	82
10	92	74	42	44	46	44	70	248	529	394	248	77
11	87	78	42	42	44	44	66	203	462	348	245	87
12	82	69	42	42	46	44	70	176	431	310	222	101
13	83	64	46	42	46	42	78	194	431	284	194	87
14	83	64	50	42	46	44	83	242	436	284	173	78
15	85	63	46	42	46	49	77	255	446	276	173	77
16	80	64	47	42	44	52	66	298	427	280	156	87
17	82	61	49	42	44	54	64	302	446	306	150	85
18	75	60	49	46	44	60	66	327	639	258	153	89
19	78	58	50	46	46	68	75	441	650	262	137	94
20	82	58	54	46	46	81	95	555	668	287	140	156
21	77	83	44	47	44	98	116	604	788	245	130	150
22	75	74	49	47	46	107	114	604	960	242	135	135
23	75	57	62	47	46	104	103	566	921	276	125	125
24	74	57	65	47	46	99	110	616	1020	232	125	145
25	72	55	55	47	44	112	148	686	1090	229	125	188
26	74	55	50	47	46	127	123	534	1010	239	116	156
27	75	52	46	46	46	125	120	529	915	213	156	132
28	83	54	44	46	44	104	142	477	836	194	148	118
29	80	54	44	46	---	93	159	523	752	179	132	110
30	78	52	44	47	---	85	287	529	686	179	135	112
31	77	---	42	46	---	78	---	544	---	216	118	---
TOTAL	2470	1977	1473	1385	1254	2124	2821	10853	18802	10833	5077	3275
MEAN	79.7	65.9	47.5	44.7	44.8	68.5	94.0	350	627	349	164	109
AC-FT	4900	3920	2920	2750	2490	4210	5600	21530	37290	21490	10070	6500
MAX	92	87	65	47	46	127	287	686	1090	704	248	188
MIN	66	52	41	42	42	42	54	120	376	179	116	77
CAL YR 1998 TOTAL		59604	MEAN	163	MAX	862	MIN	30	AC-FT	118200		
WTR YR 1999 TOTAL		62344	MEAN	171	MAX	1090	MIN	41	AC-FT	123700		

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. Beaver activity occurred Oct. 28-Nov. 4, 1998; Mar. 29-31; Aug. 8-9, 15-17, 20-22, 1999. Record is good except for periods of ice affect in winter and beaver activity, 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-1998 TO 30-SEP-1999

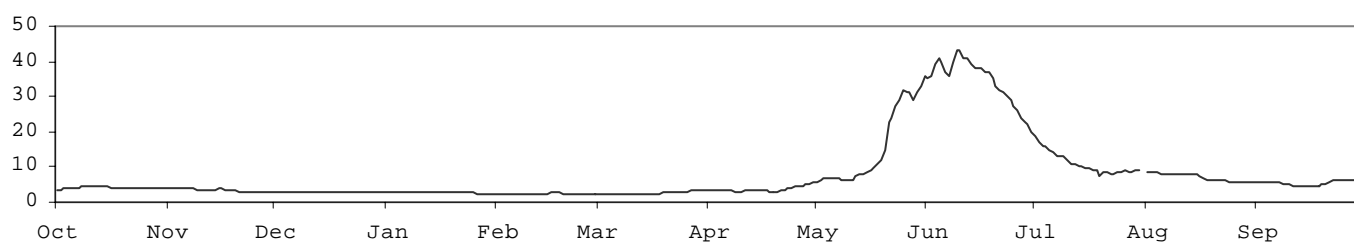
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	3.8	2.8	2.8	2.2	2.2	3.4	5.5	35	19	8.5	5.7
2	3.6	3.8	2.8	2.8	2.2	2.2	3.4	6.1	36	17	8.8	5.7
3	3.8	3.8	2.8	2.8	2.2	2.2	3.3	7.0	39	16	8.8	5.7
4	4.1	3.8	2.7	2.8	2.2	2.2	3.2	7.1	41	16	8.4	5.7
5	4.0	4.0	2.7	2.8	2.2	2.2	3.2	7.1	40	15	8.1	5.7
6	4.0	3.9	2.7	2.8	2.2	2.2	3.2	7.1	37	14	8.1	5.6
7	4.1	3.8	2.7	2.8	2.2	2.2	3.2	6.9	36	13	8.1	5.4
8	4.3	3.8	2.7	2.8	2.2	2.2	3.1	6.4	40	13	7.8	5.2
9	4.3	3.5	2.7	2.8	2.1	2.2	3.1	6.2	43	13	7.8	5.0
10	4.4	3.4	2.7	2.8	2.1	2.2	3.1	6.5	43	12	7.8	4.9
11	4.5	3.4	2.7	2.8	2.2	2.2	3.2	6.4	41	11	7.8	4.7
12	4.5	3.4	2.7	2.8	2.2	2.2	3.2	7.2	41	11	7.8	4.7
13	4.5	3.4	2.7	2.8	2.2	2.2	3.2	8.0	39	10	7.8	4.7
14	4.4	3.4	2.7	2.8	2.3	2.2	3.2	8.1	38	10	7.9	4.7
15	4.3	3.7	2.7	2.8	2.5	2.3	3.2	8.3	38	9.7	7.9	4.7
16	4.2	3.7	2.7	2.8	2.7	2.4	3.2	9.0	38	9.4	7.4	4.7
17	4.0	3.3	2.7	2.8	2.7	2.4	3.2	9.9	37	9.1	6.7	4.7
18	4.0	3.2	2.7	2.8	2.6	2.3	3.1	11	37	9.1	6.5	4.7
19	4.0	3.2	2.7	2.8	2.3	2.6	3.0	12	35	7.6	6.5	4.9
20	3.9	3.2	2.7	2.8	2.4	2.8	3.1	15	33	8.8	6.2	5.3
21	3.8	3.1	2.7	2.8	2.4	2.7	3.3	23	32	8.7	6.2	5.6
22	3.8	3.0	2.8	2.8	2.2	2.7	3.3	24	31	8.2	6.3	6.1
23	3.8	3.0	2.8	2.8	2.2	2.7	3.8	27	30	8.1	6.1	6.2
24	3.8	2.9	2.8	2.8	2.2	2.7	4.0	29	29	8.4	5.9	6.5
25	3.8	2.8	2.8	2.7	2.2	2.8	4.5	32	27	8.8	5.7	6.5
26	3.8	2.8	2.8	2.5	2.2	2.9	4.5	31	26	8.9	5.7	6.5
27	3.8	2.8	2.8	2.4	2.2	3.4	4.8	31	24	8.5	5.5	6.0
28	3.8	2.8	2.8	2.2	2.2	3.4	5.1	29	23	8.7	5.5	6.0
29	3.8	2.8	2.8	2.2	---	3.2	5.2	31	22	9.1	5.5	5.7
30	3.8	2.8	2.8	2.2	---	3.2	5.5	33	20	9.2	5.7	5.3
31	3.8	---	2.8	2.2	---	3.4	---	36	---	---	5.8	---
TOTAL	124.3	100.3	85.0	83.6	63.7	78.7	107.8	486.8	1031	330.3	218.6	162.8
MEAN	4.01	3.34	2.74	2.70	2.28	2.54	3.59	15.7	34.4	11.0	7.05	5.43
AC-FT	247	199	169	166	126	156	214	966	2040	655	434	323
MAX	4.5	4.0	2.8	2.8	2.7	3.4	5.5	36	43	19	8.8	6.5
MIN	3.6	2.8	2.7	2.2	2.1	2.2	3.0	5.5	20	7.6	5.5	4.7

CAL YR 1998 TOTAL 3561.8 MEAN 9.76 MAX 60 MIN 2.7 AC-FT 7060
WTR YR 1999 TOTAL 2872.9 MEAN 7.87 MAX 43 MIN 2.1 AC-FT 5700

MAX DISCH 47 CFS AT 2130 09-JUN-1999 GH 1.28 FT. SHIFT -0.03 FT. MAX GH 1.28 FT. AT 2130 09-JUN-1999

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.--Sutron 8200 DCP in a concrete shelter and well 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-1998 TO 30-SEP-1999

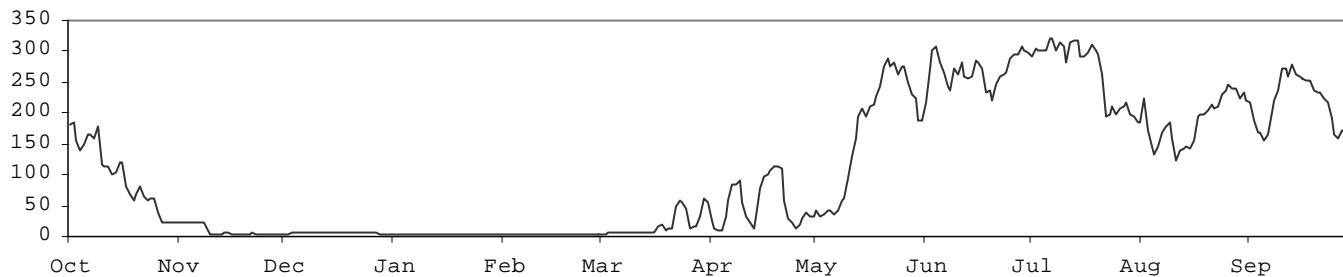
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	183	24	3.7	3.7	3.7	4.2	25	43	217	293	186	216
2	184	24	4.5	3.7	3.7	4.3	12	34	271	304	224	187
3	156	24	5.4	3.7	3.7	5.0	9.3	35	302	302	173	170
4	139	23	5.1	3.7	3.7	5.3	9.3	42	308	301	145	167
5	149	22	5.1	3.7	3.7	5.3	33	43	281	301	133	156
6	164	22	5.1	3.7	3.7	5.9	59	36	266	320	145	165
7	166	22	5.4	3.7	3.7	5.9	84	41	244	322	170	201
8	159	22	5.6	3.7	3.8	5.7	84	59	238	303	177	221
9	178	9.3	5.5	3.7	3.8	5.9	90	61	272	315	185	237
10	118	4.5	5.5	3.7	3.7	5.9	54	95	263	308	159	272
11	114	4.1	5.5	3.7	3.7	5.9	31	130	281	281	124	271
12	113	3.8	5.5	3.7	3.7	5.9	23	160	258	313	140	259
13	101	4.7	5.5	3.7	3.7	5.9	13	193	255	316	141	279
14	104	5.1	5.5	3.7	3.7	5.9	34	207	260	317	145	261
15	120	5.1	5.5	3.7	3.7	5.9	78	193	286	292	141	258
16	119	4.6	5.7	3.7	3.9	5.9	96	212	282	293	154	256
17	80	4.1	5.9	3.7	4.1	17	101	213	271	297	194	254
18	69	4.1	5.9	3.7	4.1	19	107	227	234	310	198	253
19	57	4.1	5.7	3.7	4.1	11	114	242	236	302	198	235
20	68	4.1	5.9	3.7	4.1	13	115	274	221	296	204	234
21	80	4.7	5.6	3.7	4.1	13	110	290	245	261	214	232
22	66	5.3	5.3	3.7	4.1	50	59	277	258	195	207	224
23	57	4.7	5.1	4.1	4.1	59	28	282	264	199	211	216
24	60	4.4	5.1	4.4	4.1	56	23	264	267	210	231	191
25	63	4.4	5.1	4.0	4.1	45	14	275	290	197	237	166
26	38	4.4	5.1	3.9	4.1	14	18	274	294	209	246	158
27	24	4.4	5.1	3.7	4.1	15	28	251	296	212	239	173
28	22	4.4	4.7	3.7	4.1	16	38	229	309	216	240	167
29	23	4.4	4.2	3.7	---	33	31	222	301	197	225	180
30	23	3.9	3.8	3.7	---	61	31	188	298	193	233	175
31	23	---	3.7	3.7	---	54	---	187	---	184	220	---
TOTAL	3020	285.6	160.3	116.3	108.8	564.8	1551.6	5279	8068	8359	5839	6434
MEAN	97.4	9.52	5.17	3.75	3.89	18.2	51.7	170	269	270	188	214
AC-FT	5990	566	318	231	216	1120	3080	10470	16000	16580	11580	12760
MAX	184	24	5.9	4.4	4.1	61	115	290	309	322	246	279
MIN	22	3.8	3.7	3.7	3.7	4.2	9.3	34	217	184	124	156

CAL YR 1998 TOTAL 46048.7 MEAN 126 MAX 343 MIN 3.7 AC-FT 91340
WTR YR 1999 TOTAL 39786.4 MEAN 109 MAX 322 MIN 3.7 AC-FT 78920

MAX DISCH 335 CFS AT 1400 12-JUL-1999 GH 2.93 FT. SHIFT +0.07 FT. MAX GH 2.93 FT. AT 1400 12-JUL-1999

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.--Sutron 8200 DCP in a concrete shelter and well 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-1998 TO 30-SEP-1999

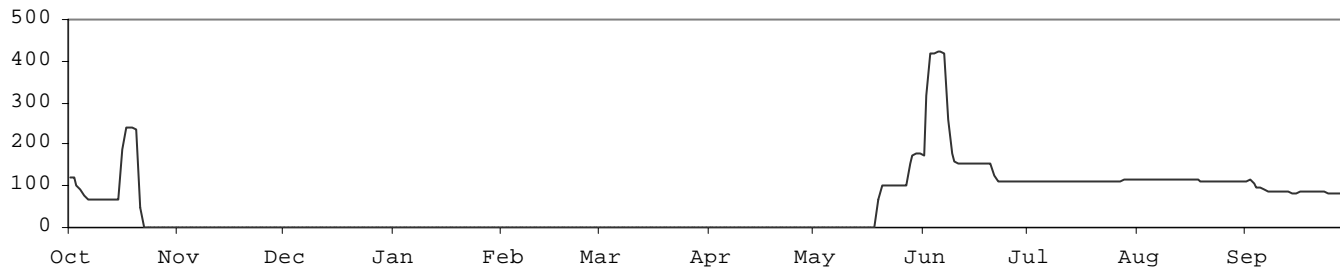
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175	110	114	112
2	121	0.0	0.0	0.0	0.0	0.0	0.0	0.0	315	110	114	113
3	101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	419	110	114	105
4	90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	418	110	114	95
5	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	423	110	114	98
6	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	422	109	114	92
7	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	418	110	114	87
8	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	259	112	114	87
9	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	177	111	114	87
10	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	161	111	115	86
11	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	152	112	115	86
12	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	152	110	114	85
13	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	152	110	114	85
14	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153	111	114	84
15	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153	111	115	84
16	186	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153	111	115	85
17	240	0.0	0.0	0.0	0.0	0.0	0.0	0.0	154	110	116	85
18	238	0.0	0.0	0.0	0.0	0.0	0.0	0.0	154	111	115	85
19	238	0.0	0.0	0.0	0.0	0.0	0.0	68	154	110	110	86
20	237	0.0	0.0	0.0	0.0	0.0	0.0	102	153	110	109	86
21	49	0.0	0.0	0.0	0.0	0.0	0.0	101	126	110	110	85
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	112	110	110	85
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	112	111	111	85
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	112	111	111	84
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	112	112	111	84
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101	111	112	111	84
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101	112	112	111	84
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	156	111	113	112	84
29	0.0	0.0	0.0	0.0	---	0.0	0.0	175	110	113	112	84
30	0.0	0.0	0.0	0.0	---	0.0	0.0	176	110	113	112	84
31	0.0	---	0.0	0.0	---	0.0	---	176	---	113	112	---
TOTAL	2369	0.0	0.0	0.0	0.0	0.0	0.0	1564	5845	3439	3501	2656
MEAN	76.4	0.0	0.0	0.0	0.0	0.0	0.0	50.5	195	111	113	88.5
AC-FT	4700	0.0	0.0	0.0	0.0	0.0	0.0	3100	11590	6820	6940	5270
MAX	240	0.0	0.0	0.0	0.0	0.0	0.0	176	423	113	116	113
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110	109	109	84

CAL YR 1998 TOTAL 25177 MEAN 69.0 MAX 409 MIN 0.00 AC-FT 49940
WTR YR 1999 TOTAL 19374 MEAN 53.1 MAX 423 MIN 0.00 AC-FT 38430

MAX DISCH 430 CFS AT 1855 02-JUN-1999 GH 3.89 FT. SHIFT 0.06 FT. MAX GH 3.89 FT. AT 1855 02-JUN-1999

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.--Graphic water-stage recorder and a Sutron 8200 DCP on separate floats in a concrete shelter and well. Control is an 15-ft. Parshall flume set in a flat concrete structure that acts as a weir at high flows. 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.

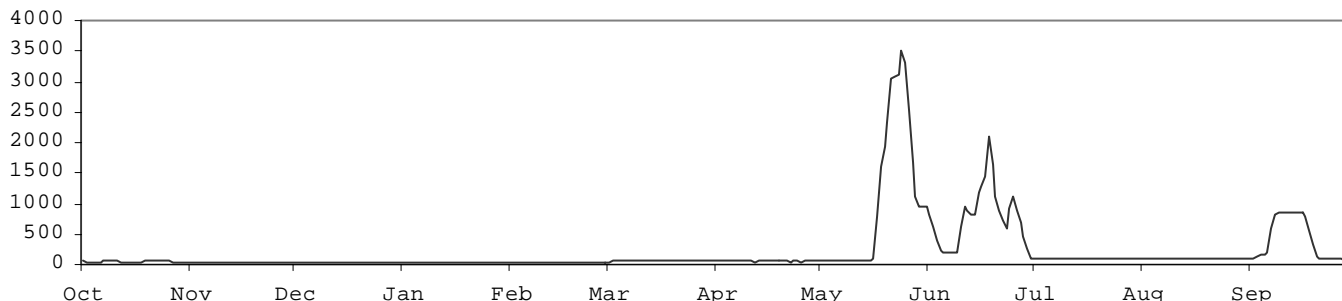
RATING TABLE.--DOLBMCCO03 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	49	39	39	39	47	51	51	807	84	91	107
2	48	49	39	39	39	52	51	51	636	87	91	107
3	49	44	39	39	39	52	51	52	395	87	96	117
4	39	40	39	39	40	51	51	52	234	88	99	153
5	39	41	39	39	40	51	51	51	201	88	101	157
6	45	40	39	39	40	51	52	51	205	88	101	186
7	50	40	39	39	40	51	51	52	205	88	101	590
8	50	40	39	39	39	51	51	52	205	86	100	806
9	50	40	39	39	40	51	51	52	203	86	99	854
10	50	40	39	39	40	51	51	51	613	87	100	852
11	50	40	39	39	40	51	51	51	935	87	100	857
12	49	41	39	39	40	51	49	51	896	88	98	857
13	49	40	39	39	40	51	50	51	825	88	98	859
14	49	40	39	41	40	51	50	52	814	88	98	855
15	49	40	40	42	40	51	51	52	1170	88	98	850
16	49	40	34	42	40	51	50	108	1290	88	98	852
17	49	39	37	42	40	51	51	803	1450	88	98	772
18	49	39	38	40	40	51	51	1620	2090	89	98	572
19	50	39	39	39	40	51	50	1930	1650	89	103	314
20	50	39	39	40	40	51	50	2320	1110	89	105	139
21	51	39	39	39	40	51	50	3060	890	90	105	107
22	51	39	41	39	40	51	49	3080	714	90	105	108
23	51	39	45	39	40	51	51	3120	582	90	105	90
24	50	39	38	39	40	51	51	3520	930	91	106	82
25	51	39	38	39	41	51	49	3300	1110	91	106	83
26	50	39	38	39	40	51	51	2510	870	91	105	87
27	49	39	38	39	40	51	51	1660	683	90	106	84
28	49	39	39	39	40	51	51	1130	464	91	107	78
29	49	39	39	39	---	51	51	966	264	91	106	80
30	49	39	40	39	---	51	51	962	93	92	106	70
31	49	---	40	39	---	51	---	957	---	91	107	---
TOTAL	1516	1210	1208	1222	1117	1579	1519	31818	22534	2749	3137	11725
MEAN	48.9	40.3	39.0	39.4	39.9	50.9	50.6	1026	751	88.7	101	391
AC-FT	3010	2400	2400	2420	2220	3130	3010	63110	44700	5450	6220	23260
MAX	54	49	45	42	41	52	52	3520	2090	92	107	859
MIN	39	39	34	39	39	47	49	51	93	84	91	70
CAL YR 1998 TOTAL		122467	MEAN	336	MAX	3360	MIN	34	AC-FT	242900		
WTR YR 1999 TOTAL		81334	MEAN	223	MAX	3520	MIN	34	AC-FT	161300		

MAX DISCH 3550 CFS AT 0400 25-MAY-1999 GH 6.47 FT. SHIFT 0.16 FT. MAX GH 6.47 FT. AT 0400 25-MAY-1999

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.--Graphic water-stage recorder with a Sutron 8200 DCP on separate floats 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-1998 TO 30-SEP-1999

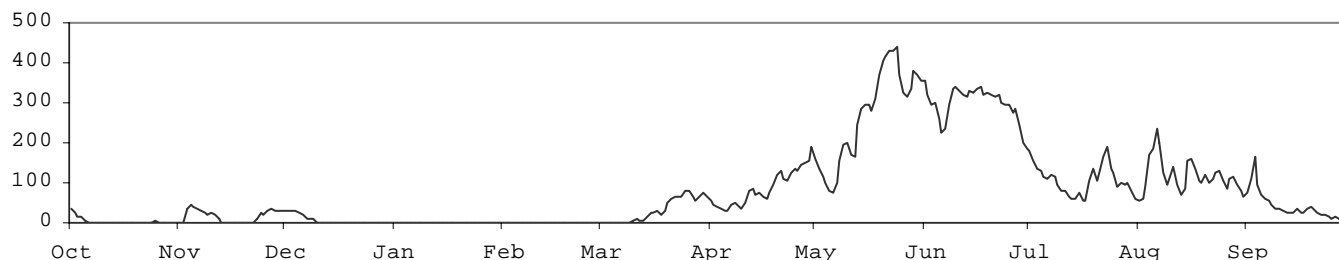
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	0.0	31	0.0	0.0	0.06	54	158	353	179	54	75
2	27	0.0	30	0.0	0.0	0.0	45	134	320	155	58	110
3	13	36	29	0.0	0.0	0.0	38	115	297	134	88	163
4	14	47	29	0.0	0.0	0.0	36	100	301	128	170	94
5	6.3	39	23	0.0	0.0	0.0	31	78	259	113	184	72
6	2.0	33	18	0.0	0.0	0.0	32	76	223	109	234	62
7	1.3	28	9.2	0.0	0.0	0.0	46	99	237	119	201	54
8	0.15	27	7.9	0.0	0.0	0.0	50	156	293	117	125	43
9	0.0	19	9.0	0.0	0.0	1.9	39	197	336	97	96	37
10	0.0	23	1.5	0.0	0.0	7.4	35	198	340	81	127	35
11	0.0	21	0.76	0.0	0.0	8.2	48	171	332	78	140	32
12	0.0	11	0.42	0.0	0.0	7.3	80	164	322	65	93	27
13	0.0	0.0	0.62	0.0	0.0	7.3	83	247	313	58	70	24
14	0.0	0.0	0.15	0.0	0.0	16	68	287	331	59	86	25
15	0.0	0.0	0.0	0.0	0.0	24	73	295	325	76	154	37
16	0.0	0.0	0.0	0.0	0.0	27	65	293	336	57	158	27
17	0.0	0.0	0.0	0.0	0.0	28	61	280	339	53	134	24
18	0.0	0.0	0.0	0.0	0.0	22	75	310	320	104	104	34
19	0.0	0.0	0.0	0.0	0.0	30	96	372	327	134	100	38
20	0.0	0.0	0.0	0.0	0.0	48	122	405	321	103	122	31
21	0.0	0.0	0.0	0.0	0.0	62	128	413	313	124	102	24
22	0.0	0.0	0.0	0.0	0.0	67	111	428	319	165	110	19
23	0.0	12	0.0	0.0	0.0	66	107	428	302	190	125	18
24	0.0	23	0.0	0.0	0.0	65	127	438	297	135	132	13
25	3.3	22	0.0	0.0	0.0	80	137	371	293	124	103	11
26	0.62	29	0.0	0.0	0.0	78	128	326	275	89	84	16
27	0.0	35	0.0	0.0	0.0	64	144	313	286	100	108	9.7
28	0.0	32	0.0	0.0	0.0	54	148	334	243	96	116	0.0
29	0.0	30	0.0	0.0	---	63	153	380	200	100	96	0.0
30	0.0	29	0.0	0.0	---	74	190	372	185	80	80	0.0
31	0.0	---	0.0	0.0	---	64	---	356	---	61	65	---
TOTAL	102.68	496	189.56	0.0	0.0	964.17	2550	8294	8938	3283	3619	1154.7
MEAN	3.31	16.5	6.11	0.0	0.0	31.1	85.0	268	298	106	117	38.5
AC-FT	204	984	376	0.0	0.0	1910	5060	16450	17730	6510	7180	2290
MAX	35	47	31	0.0	0.0	80	190	438	353	190	234	163
MIN	0.0	0.0	0.0	0.0	0.0	0.0	31	76	185	53	54	0.0

CAL YR 1998 TOTAL 23694.84 MEAN 64.9 MAX 460 MIN 0.00 AC-FT 47000
WTR YR 1999 TOTAL 29591.10 MEAN 81.1 MAX 438 MIN 0.00 AC-FT 58690

MAX DISCH 498 CFS AT 2045 21-MAY-1999 GH 4.39 FT. SHIFT 0.00 FT. MAX GH 4.39 FT. AT 2045 21-MAY-1999

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.--Graphic water-stage recorder with a Sutron 8200 DCP on separate floats in a concrete shelter and well. Control is an 4-ft. Parshall flume set in a flat wide concrete structure that acts as a weir at high flows. The Parshall flume is equipped with a 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.--Flows controlled by diversion dam upstream of gage through the Blanco Diversion Tunnel into the Azotea Tunnel, as part of the U.S.B.R. San Juan-Chama project. Record from the DCP is complete. It is reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 10, 11, 21 and 24-25; Dec. 7-9, 22 and 27, 1998; Jan. 2, 22-23 and 27-31; Feb. 1-2, 1999. Record good except for periods of flow above 65 cfs, which are fair, and estimated daily discharges, which are poor. Station maintained and record developed by David A. Nelson and Scott D. Brinton.

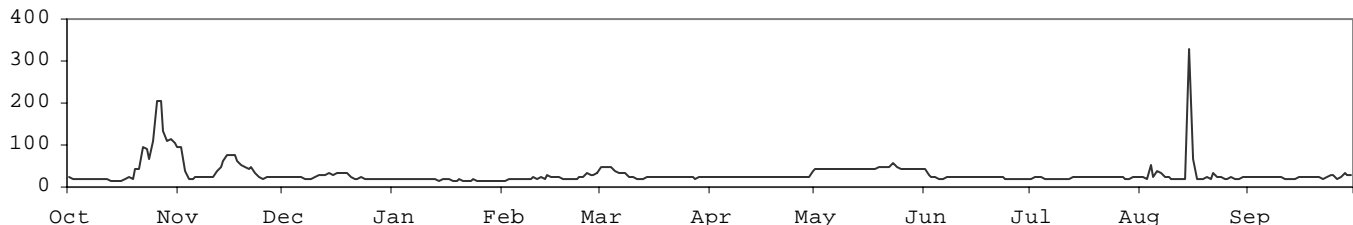
RATING TABLE.--RIOBLACO05 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	96	22	19	16	46	22	45	41	21	23	24
2	19	94	22	18	16	46	22	45	30	22	23	23
3	19	40	22	18	17	48	22	44	22	22	21	23
4	18	19	22	18	20	47	22	43	22	22	53	23
5	19	21	22	20	19	37	24	43	21	21	25	23
6	21	23	22	20	19	34	23	42	21	21	40	22
7	21	22	20	20	20	34	23	43	22	21	32	22
8	19	22	18	19	21	31	23	45	23	21	24	22
9	18	22	20	18	21	26	22	45	23	21	22	22
10	18	22	24	19	22	22	23	43	23	21	21	22
11	17	22	28	20	19	21	23	42	23	21	21	21
12	17	40	29	21	22	21	24	42	23	21	21	21
13	16	50	28	18	20	21	24	42	22	22	21	21
14	16	62	32	16	30	22	23	42	23	22	21	21
15	15	76	29	18	26	22	23	42	23	23	328	22
16	16	77	31	17	24	22	22	42	23	22	69	22
17	20	74	32	17	22	22	22	42	23	22	21	22
18	22	61	32	16	19	22	22	42	22	23	21	22
19	21	54	31	16	19	22	22	50	22	22	21	22
20	42	47	26	17	20	23	23	47	22	22	25	22
21	43	45	21	16	21	24	23	47	22	23	21	22
22	93	49	20	16	20	22	23	46	22	23	33	21
23	91	34	22	16	22	22	23	57	22	22	23	26
24	68	22	20	17	26	22	23	46	21	22	23	28
25	108	21	20	16	31	22	23	42	21	22	21	28
26	205	22	21	16	28	22	23	42	21	22	21	20
27	205	22	20	16	27	22	23	42	21	22	24	22
28	133	22	21	15	35	21	23	42	21	21	21	31
29	109	22	20	15	---	22	22	42	21	21	21	30
30	112	22	21	16	---	22	38	42	21	22	22	29
31	103	---	21	16	---	22	---	42	---	23	22	---
TOTAL	1666	1225	739	540	622	832	698	1361	687	676	1105	699
MEAN	53.7	40.8	23.8	17.4	22.2	26.8	23.3	43.9	22.9	21.8	35.6	23.3
AC-FT	3300	2430	1470	1070	1230	1650	1380	2700	1360	1340	2190	1390
MAX	205	96	32	21	35	48	38	57	41	23	328	31
MIN	15	19	18	15	16	21	22	42	21	21	21	20
CAL YR 1998 TOTAL		11337	MEAN	31.1	MAX	205	MIN	13	AC-FT	22490		
WTR YR 1999 TOTAL		10850	MEAN	29.7	MAX	328	MIN	15	AC-FT	21520		

MAX DISCH 1035 CFS AT 0815 15-AUG-1999 GH 4.33 FT. SHIFT 0.06 FT. MAX GH 4.33 FT. AT 0815 15-AUG-1999

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.--Graphic water-stage recorder and a Sutron 8200 DCP on separate floats in a 42 inch CMP shelter and well. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Flows controlled by diversion dam upstream of gage through the Blanco Diversion Tunnel into the Azotea Tunnel, as part of the U.S.B.R. San Juan-Chama project. Record is reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 11-23 and 29-31,1998; Jan. 1-3,5,8-10,13-31; Feb. 1-28; Mar. 1,2,9,13 and 14,1999. Record is complete except for the following periods: Dec. 24-28,1998; Jan. 4,6,7,11 and 12,1999 when well was frozen, Nov. 3-10,1998; June 13-15 and 21-26 and Aug. 9,10 and 12-14,1999 when the float was stuck or the inlets were plugged. 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

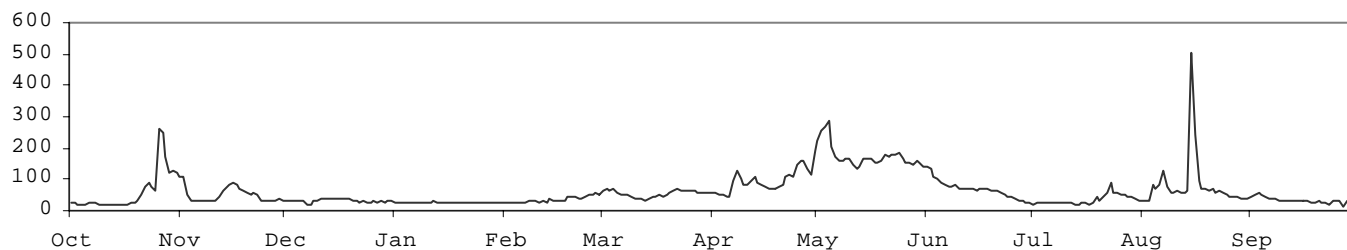
RATING TABLE.--RIOMOUUC03 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	107	34	27	24	67	56	224	139	22	32	47
2	26	110	34	26	24	69	55	255	133	24	33	50
3	22	50	33	26	25	67	54	268	106	23	35	60
4	21	32	34	26	28	69	52	285	103	23	80	49
5	20	33	34	28	27	60	47	204	90	23	71	44
6	23	33	33	28	27	50	47	175	80	25	80	40
7	23	32	22	28	28	51	96	162	74	23	128	39
8	23	32	21	27	29	49	129	160	78	23	77	36
9	22	32	34	26	29	42	105	166	82	24	60	34
10	20	32	32	27	30	39	81	167	72	24	55	34
11	19	32	36	28	27	36	83	148	70	23	67	33
12	18	43	37	29	30	37	97	136	69	23	60	32
13	18	62	36	26	28	32	107	140	68	22	55	30
14	18	69	40	24	38	36	89	164	68	22	65	30
15	17	85	37	26	34	44	84	164	66	28	506	33
16	16	88	39	25	32	45	76	163	68	24	241	33
17	20	86	40	25	30	48	69	151	71	22	93	29
18	23	72	40	24	32	47	68	152	72	25	73	28
19	23	65	39	24	45	49	69	158	65	45	72	28
20	29	55	34	25	47	58	75	179	65	30	65	29
21	48	53	29	24	44	64	81	174	62	44	68	27
22	74	57	28	24	37	68	107	178	57	57	58	24
23	87	53	30	24	36	63	118	177	52	92	66	22
24	76	35	28	25	45	62	108	187	47	60	57	35
25	66	32	28	24	53	62	147	165	42	55	52	31
26	262	32	29	24	54	64	157	151	37	48	46	30
27	247	33	28	24	57	63	162	151	31	50	45	15
28	175	34	29	23	53	59	133	146	29	43	46	34
29	119	37	28	23	---	55	115	160	26	43	41	33
30	130	35	29	24	---	58	191	153	24	36	40	33
31	124	---	29	24	---	55	---	143	---	34	38	---
TOTAL	1834	1551	1004	788	993	1668	2858	5406	2046	1060	2505	1022
MEAN	59.2	51.7	32.4	25.4	35.5	53.8	95.3	174	68.2	34.2	80.8	34.1
AC-FT	3640	3080	1990	1560	1970	3310	5670	10720	4060	2100	4970	2030
MAX	262	110	40	29	57	69	191	285	139	92	506	60
MIN	16	32	21	23	24	32	47	136	24	22	32	15
CAL YR 1998 TOTAL		20954	MEAN	57.4	MAX	350	MIN	13	AC-FT	41560		
WTR YR 1999 TOTAL		22735	MEAN	62.3	MAX	506	MIN	15	AC-FT	45090		

MAX DISCH 1424 CFS AT 1300 15-AUG-1999 GH 4.40 FT. SHIFT -0.03 FT. MAX GH 4.40 FT. AT 1300 15-AUG-1999

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 right 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.--Graphic water-stage recorder with a Sutron 8200 DCP on separate floats in a 42-inch wooden shelter and well. The DCP is the primary record. Datum of gage is 7,939.3 ft above National Geodetic Vertical Datum of 1929 (river-profile survey). Also equipped with an air temperature sensor.

REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 9-11, 20-21; Dec. 13-16, 21, 26-30, 1998; Jan. 2-11, 15-16, 22, 29-31; Feb. 3-4, 13-15, 17, 23-24, 27-28; Mar. 9, 1999; float was frozen in well Dec. 7-12, 22-25, 1998; Jan. 23, 28; Feb. 2, 11-12, 1999. Record fair except for estimated daily discharges which are poor. Station maintained and records developed by David A. Nelson and Scott D. Brinton.

RATING TABLE.--NAVBANCO23 USED FROM 01-OCT-1998 TO 30-SEP-1999

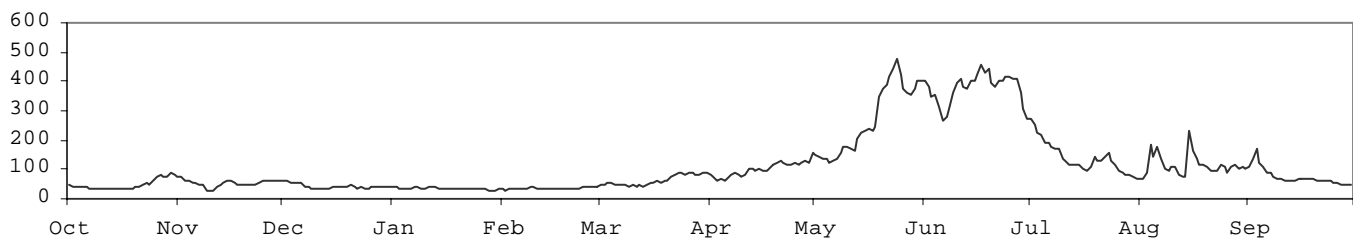
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	73	58	40	32	49	85	150	404	274	71	106
2	44	72	58	40	30	51	73	143	382	252	70	138
3	40	64	57	36	32	53	64	139	351	228	89	172
4	42	58	57	34	34	52	65	133	357	216	182	126
5	39	54	56	36	36	49	61	122	312	193	145	107
6	38	53	52	36	36	49	68	127	265	189	178	92
7	37	51	44	38	36	50	83	139	279	177	133	86
8	37	50	40	38	37	48	87	158	310	169	103	76
9	37	28	36	36	40	44	79	178	362	169	96	71
10	36	24	34	36	39	45	75	176	395	138	110	67
11	36	26	32	38	36	44	85	171	406	129	106	64
12	36	38	34	38	34	45	103	167	382	119	84	62
13	35	48	36	38	36	44	100	202	376	114	75	61
14	35	54	36	37	36	49	97	223	402	115	76	61
15	35	60	38	36	36	52	100	235	405	117	231	66
16	35	58	38	34	37	56	95	241	420	104	165	66
17	36	55	39	34	36	58	93	235	459	98	133	69
18	36	51	41	34	36	55	101	248	430	110	117	68
19	36	48	44	34	36	59	115	345	441	142	117	67
20	41	45	45	36	36	64	125	377	395	131	108	64
21	40	45	42	35	37	77	131	388	383	130	98	61
22	47	47	36	34	37	80	124	417	399	146	98	58
23	54	49	38	34	34	88	115	443	404	155	93	61
24	50	56	36	35	38	89	118	479	416	130	118	58
25	63	58	36	34	41	85	124	426	416	117	106	56
26	74	60	38	32	41	92	119	378	411	94	92	53
27	82	63	38	32	40	86	123	363	409	88	109	51
28	73	63	40	30	40	80	127	354	363	82	119	50
29	75	64	40	30	---	80	122	376	306	80	104	49
30	88	60	40	30	---	90	157	405	273	73	106	49
31	79	---	40	32	---	90	---	404	---	66	104	---
TOTAL	1486	1575	1299	1087	1019	1953	3014	8342	11313	4345	3536	2235
MEAN	47.9	52.5	41.9	35.1	36.4	63.0	100	269	377	140	114	74.5
AC-FT	2950	3120	2580	2160	2020	3870	5980	16550	22440	8620	7010	4430
MAX	88	73	58	40	41	92	157	479	459	274	231	172
MIN	35	24	32	30	30	44	61	122	265	66	70	49

CAL YR 1998 TOTAL 36993 MEAN 101 MAX 482 MIN 24 AC-FT 73380
WTR YR 1999 TOTAL 41204 MEAN 113 MAX 479 MIN 24 AC-FT 81730

MAX DISCH 513 CFS AT 2330 18-JUN-1999 GH 3.21 FT. SHIFT 0.13 FT. MAX GH 3.21 FT. AT 2330 18-JUN-1999

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.--Graphic water-stage recorder and a Sutron 8200 DCP on separate floats in a concrete shelter and well 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-1998 TO 30-SEP-1999

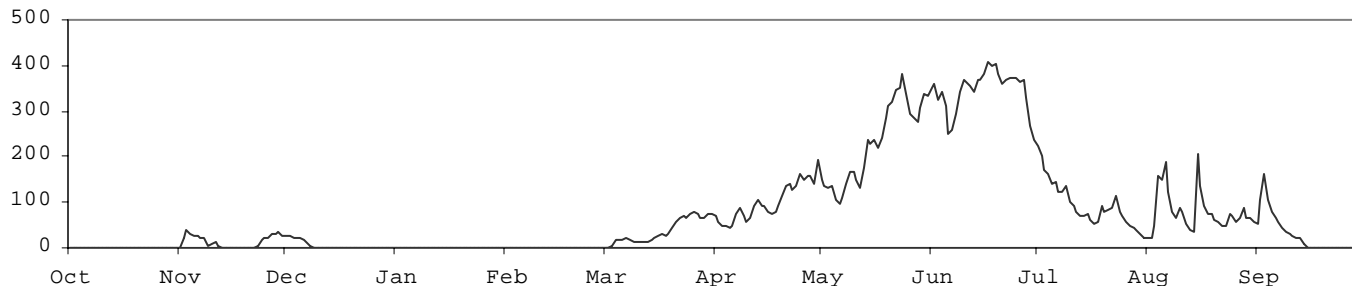
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	26	0.64	0.0	0.0	69	151	351	224	23	51
2	0.0	20	25	0.64	0.0	0.0	58	134	358	201	22	107
3	0.0	38	23	0.64	0.0	6.1	47	130	323	170	50	163
4	0.0	32	23	0.16	0.0	19	47	136	340	162	156	107
5	0.0	28	23	0.0	0.0	17	43	104	312	140	151	81
6	0.0	26	18	0.0	0.0	17	48	97	252	143	187	66
7	0.0	23	7.9	0.0	0.0	20	76	111	258	125	125	55
8	0.0	24	4.6	0.0	0.0	18	87	140	292	122	81	43
9	0.0	2.7	0.08	0.0	0.0	13	72	167	344	136	65	35
10	0.0	10	0.0	0.0	0.35	13	59	168	370	101	86	31
11	0.0	12	0.0	0.0	0.11	12	67	148	366	93	80	26
12	0.0	4.8	0.0	0.0	0.0	13	93	130	357	79	51	23
13	0.0	0.0	0.0	0.0	0.0	12	107	174	340	70	38	20
14	0.0	0.0	0.0	0.0	0.0	19	90	237	368	71	35	8.5
15	0.0	0.0	0.0	0.0	0.0	24	91	229	370	75	206	0.0
16	0.0	0.0	0.0	0.0	0.0	27	78	236	381	62	136	0.0
17	0.0	0.0	0.0	0.0	0.0	30	74	221	409	52	94	0.0
18	0.0	0.0	0.0	0.0	0.0	26	78	241	397	59	73	0.0
19	0.0	0.0	0.16	0.0	0.0	30	92	285	405	93	76	0.0
20	0.0	0.0	0.65	0.0	0.0	43	116	313	382	81	63	0.0
21	0.0	0.0	0.76	0.0	0.0	56	138	321	360	83	55	0.0
22	0.0	0.0	0.82	0.0	0.35	66	139	347	370	89	49	0.0
23	0.0	3.2	0.82	0.0	0.0	68	127	351	375	114	50	0.0
24	0.0	19	0.73	0.0	0.0	67	136	383	375	80	75	0.0
25	0.0	23	0.64	0.0	0.0	74	162	336	374	72	71	0.0
26	0.0	24	0.64	0.0	0.0	81	150	295	366	57	55	0.0
27	0.0	29	0.64	0.0	0.0	76	156	283	367	50	65	0.0
28	0.0	30	0.64	0.0	0.0	65	156	276	331	43	88	0.0
29	0.0	33	0.64	0.0	---	64	139	307	269	38	64	0.0
30	0.0	28	0.64	0.0	---	73	193	336	235	32	66	0.0
31	0.0	---	0.64	0.0	---	73	---	333	---	20	56	---
TOTAL	0.0	409.7	159.00	2.08	0.80	1122.1	2988	7120	10397	2937	2492	816.5
MEAN	0.0	13.7	5.13	0.07	0.03	36.2	99.6	230	347	94.7	80.4	27.2
AC-FT	0.0	813	315	4.1	1.6	2230	5930	14120	20620	5830	4940	1620
MAX	0.0	38	26	0.64	0.35	81	193	383	409	224	206	163
MIN	0.0	0.0	0.0	0.0	0.0	0.0	43	97	235	20	22	0.0

CAL YR 1998 TOTAL 23444.32 MEAN 64.2 MAX 452 MIN 0.00 AC-FT 46500
WTR YR 1999 TOTAL 28444.18 MEAN 77.9 MAX 409 MIN 0.00 AC-FT 56420

MAX DISCH 463 CFS AT 0030 19-JUN-1999 GH 3.67 FT. SHIFT 0.00 FT. MAX GH 3.67 FT. AT 0030 19-JUN-1999

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.--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 AND PERIOD OF RECORD.--N/A, December 5, 1996 to current year.

GAGE.--Graphic water stage-recorder and a Sutron 8200 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.--Flows controlled by diversion dam upstream of gage through the Little Oso Diversion Tunnel into the Azotea Tunnel, as part of the U.S.B.R. San Juan-Chama project. Record is reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 20,21,23 and 24,1998. Inlets plugged Oct. 15-22,1998; Float frozen in ice in well Dec. 4,1998 to Mar. 11,1999. Records fair, except for estimated daily discharges, which are poor. Station maintained and records developed by Sherry L. Schutz, David A. Nelson and Scott Brinton.

RATING TABLE.--LITOSOCO1 USED FROM 01-OCT-1998 TO 30-SEP-1999

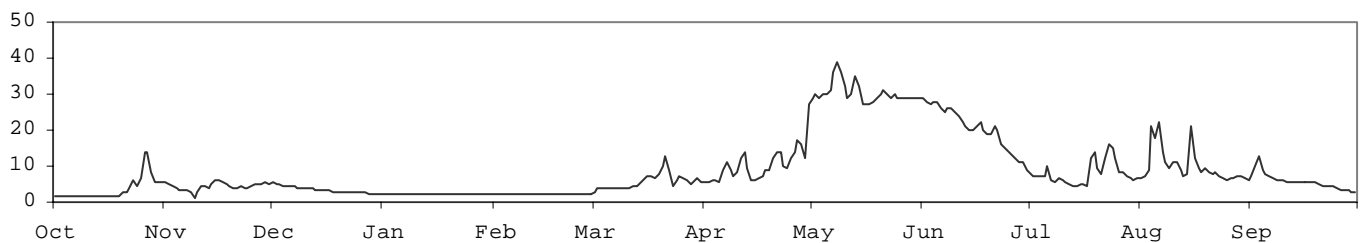
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	5.3	5.3	2.5	2.0	3.0	5.4	29	29	7.8	6.4	7.1
2	1.6	5.2	5.1	2.5	2.0	4.0	5.3	30	28	7.2	7.0	10
3	1.6	4.6	4.8	2.5	2.0	4.0	6.1	29	27	7.0	8.8	13
4	1.6	3.8	4.5	2.5	2.0	4.0	6.1	30	28	7.1	21	8.8
5	1.6	3.5	4.5	2.5	2.0	4.0	5.3	30	28	7.0	18	7.7
6	1.6	3.5	4.5	2.5	2.0	4.0	9.0	31	26	10	22	7.1
7	1.6	3.5	4.5	2.5	2.0	4.0	11	36	25	6.2	14	6.8
8	1.6	3.0	4.0	2.5	2.0	4.0	9.0	39	26	5.8	11	6.3
9	1.6	1.1	4.0	2.0	2.0	4.0	7.4	36	26	6.5	9.6	6.1
10	1.6	3.0	4.0	2.0	2.0	4.0	8.6	32	25	5.9	11	5.9
11	1.6	4.3	4.0	2.0	2.0	4.0	12	29	24	5.3	11	5.7
12	1.6	4.3	4.0	2.0	2.0	4.2	14	30	22	5.1	8.7	5.6
13	1.5	4.1	3.5	2.0	2.0	4.5	9.4	35	21	4.7	7.2	5.3
14	1.7	5.2	3.5	2.0	2.0	5.8	6.2	32	20	4.4	7.6	5.3
15	1.8	6.2	3.5	2.0	2.0	6.5	6.0	27	20	5.2	21	5.6
16	1.8	6.1	3.5	2.0	2.0	7.1	6.5	27	21	4.9	12	5.5
17	1.8	5.8	3.5	2.0	2.0	7.3	7.0	27	22	4.4	9.4	5.7
18	1.8	5.1	3.0	2.0	2.0	6.7	9.0	28	20	12	8.5	5.6
19	1.8	4.7	3.0	2.0	2.0	7.6	9.1	29	19	14	9.2	5.4
20	3.0	4.0	3.0	2.0	2.0	9.8	12	30	19	9.2	8.4	4.9
21	3.0	4.0	3.0	2.0	2.0	13	14	31	21	8.0	7.7	4.5
22	4.0	4.5	3.0	2.0	2.0	9.1	14	30	20	12	8.2	4.2
23	5.9	4.0	3.0	2.0	2.5	4.7	10	29	16	16	7.5	4.6
24	4.3	4.0	3.0	2.0	2.5	6.0	9.3	30	15	15	6.6	4.3
25	6.4	4.5	3.0	2.0	2.5	7.2	12	29	14	12	6.3	4.0
26	14	4.8	3.0	2.0	2.5	6.6	14	29	13	8.4	6.8	3.5
27	14	5.1	3.0	2.0	2.5	6.0	17	29	12	8.2	6.5	3.2
28	8.2	5.2	2.5	2.0	2.5	5.0	16	29	11	7.3	7.3	3.1
29	5.6	5.5	2.5	2.0	---	6.0	12	29	11	6.6	7.4	3.0
30	5.5	5.2	2.5	2.0	---	6.5	27	29	9.1	6.3	6.4	3.0
31	5.6	---	2.5	2.0	---	5.5	---	29	---	6.9	5.9	---
TOTAL	110.8	133.1	110.7	66.0	59.0	178.1	309.7	939	618.1	246.4	308.4	170.8
MEAN	3.57	4.44	3.57	2.13	2.11	5.75	10.3	30.3	20.6	7.95	9.95	5.69
AC-FT	220	264	220	131	117	353	614	1860	1230	489	612	339
MAX	14	6.2	5.3	2.5	2.5	13	27	39	29	16	22	13
MIN	1.5	1.1	2.5	2.0	2.0	3.0	5.3	27	9.1	4.4	5.9	3.0

CAL YR 1998 TOTAL 3015.7 MEAN 8.26 MAX 42 MIN 1.1 AC-FT 5980
WTR YR 1999 TOTAL 3250.1 MEAN 8.90 MAX 39 MIN 1.1 AC-FT 6450

MAX DISCH 58 CFS AT 1515 04-AUG-1999 GH 1.97 FT. SHIFT -0.02 FT. MAX GH 1.97 FT. AT 1515 04-AUG-1999

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.--Graphic water-stage recorder with a Sutron 8200 DCP on separate floats in a concrete shelter and well. Control is an 8-ft. Parshall flume set in a flat wide concrete structure that acts as a weir at high flows. The Parshall flume is equipped with a supplemental outside gage. The DCP is the primary record. Datum of gage is 7,665.30 ft above mean sea level.

REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Dec. 7-16, 21-24, 1998; Jan. 9-10, 14-15, 22-23, 28-30; Feb. 2-4, 12-13, 1999. Records good, except winter periods, which are poor and periods of flow above 140 cfs, which are fair. Station maintained by U.S.B.R. Records developed by Scott D. Brinton.

RATING TABLE.--NAVOSOCO3 USED FROM 01-OCT-1998 TO 30-SEP-1999

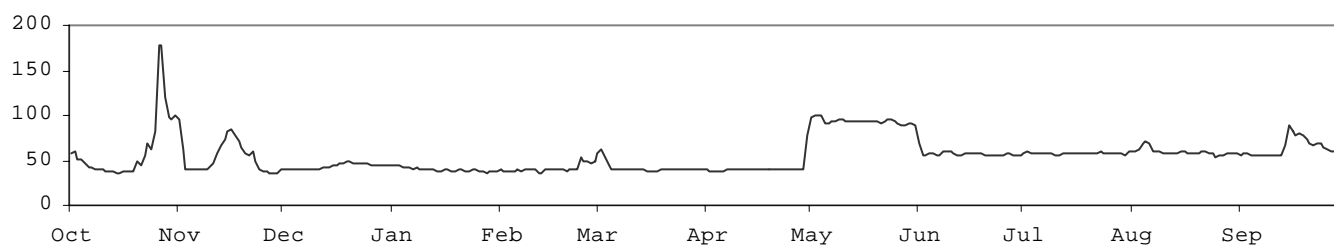
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	95	41	45	39	57	39	98	70	57	61	56
2	61	63	41	44	37	62	38	101	56	59	61	58
3	51	41	41	44	37	53	38	101	56	58	63	57
4	52	41	41	42	37	44	38	100	58	58	70	56
5	46	41	41	42	38	41	38	92	57	58	71	55
6	43	41	41	42	39	39	38	92	56	57	69	55
7	42	40	40	41	38	39	39	93	56	57	61	55
8	41	40	40	42	39	39	39	94	59	57	59	56
9	39	39	40	40	39	39	39	95	60	57	59	56
10	39	44	40	40	41	39	39	95	60	56	58	56
11	37	47	40	40	39	39	39	93	58	56	58	56
12	37	58	42	41	36	39	39	93	56	57	57	56
13	37	66	42	40	36	39	40	93	55	57	57	56
14	36	74	42	38	41	39	39	93	57	57	57	67
15	36	83	44	38	41	38	39	93	57	57	61	88
16	37	85	44	40	40	38	39	93	57	57	60	82
17	38	78	46	39	39	38	39	93	57	57	58	78
18	38	71	47	38	39	38	39	93	57	57	57	79
19	38	65	48	38	39	39	39	94	57	58	57	78
20	48	58	48	39	38	39	40	93	56	58	58	73
21	45	56	46	39	40	39	40	92	56	58	60	70
22	56	59	46	38	41	39	40	94	55	58	60	66
23	69	50	46	38	39	39	40	95	56	59	58	69
24	62	41	46	39	54	39	40	96	56	58	57	68
25	83	37	46	39	48	39	41	93	56	58	53	65
26	177	37	45	38	48	39	40	91	57	57	55	63
27	177	36	45	37	47	39	40	90	57	57	56	60
28	121	36	45	36	50	39	40	90	55	57	57	60
29	97	36	44	38	---	39	40	91	55	57	57	58
30	95	39	45	38	---	39	78	91	56	56	57	56
31	100	---	45	38	---	39	---	90	---	59	57	---
TOTAL	1936	1597	1348	1231	1139	1267	1216	2905	1714	1779	1839	1908
MEAN	62.5	53.2	43.5	39.7	40.7	40.9	40.5	93.7	57.1	57.4	59.3	63.6
AC-FT	3840	3170	2670	2440	2260	2510	2410	5760	3400	3530	3650	3780
MAX	177	95	48	45	54	62	78	101	70	59	71	88
MIN	36	36	40	36	36	38	38	90	55	56	53	55

CAL YR 1998 TOTAL 19645 MEAN 53.8 MAX 177 MIN 34 AC-FT 38970
WTR YR 1999 TOTAL 19879 MEAN 54.5 MAX 177 MIN 36 AC-FT 39430

MAX DISCH 307 CFS AT 1015 13-SEP-1999 GH 3.47 FT. SHIFT -0.08 FT. MAX GH 3.47 FT. AT 1015 13-SEP-1999

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.

DRAINAGE AREA.--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 with Sutron 8200 DCP on separate floats in a concrete shelter at a 6 foot Parshall flume. The DCP is the primary record.

REMARKS.--Record good. Station maintained by the U.S.B.R. and record developed by Scott D. Brinton.

RATING TABLE.--LOSODVCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

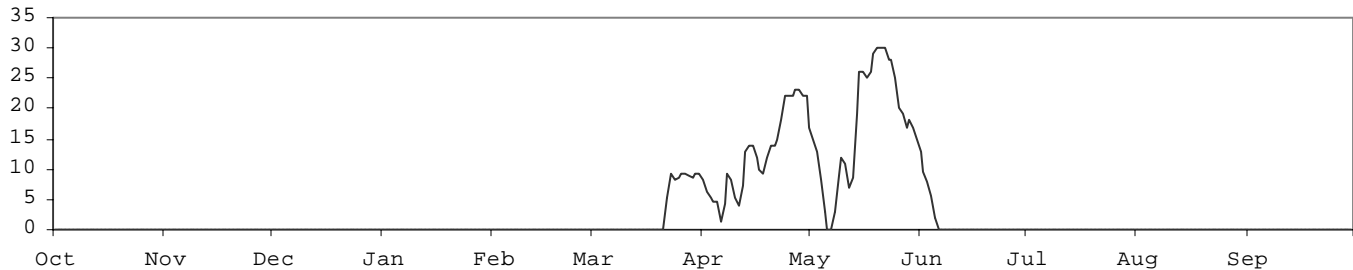
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	8.2	17	13	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	6.2	15	9.5	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	5.2	13	7.8	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	4.5	8.4	5.5	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.0	2.1	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	9.2	2.9	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	8.2	8.8	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	5.4	12	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	4.0	11	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	7.3	6.9	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	13	8.5	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	14	19	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	14	26	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	12	26	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	10	25	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	9.1	26	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	12	29	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	14	30	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	14	30	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	5.2	15	30	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	9.2	18	28	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	8.1	22	28	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	8.5	22	25	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	9.3	22	20	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	9.2	23	19	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	9.0	23	17	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	8.7	22	18	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	9.3	22	17	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	9.3	---	15	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	85.8	369.3	534.5	37.9	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	2.77	12.3	17.2	1.26	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	170	733	1060	75	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	9.3	23	30	13	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0

CAL YR 1998 TOTAL 1061.7 MEAN 2.91 MAX 48 MIN 0.00 AC-FT 2110
WTR YR 1999 TOTAL 1027.5 MEAN 2.82 MAX 30 MIN 0.00 AC-FT 2040

MAX DISCH 32 CFS AT 1800 19-MAY-1999 GH 1.19 FT. SHIFT 0.00 FT. MAX GH 1.19 FT. AT 1800 19-MAY-1999

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.--Graphic water-stage recorder with a Sutron 8200 DCP with a shaft encoder on a separate float in a 42" corrugated metal shelter and well. 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. 7, 1998 and Apr. 5-6, 1999. Float frozen in ice in well Dec. 8, 1998-Mar. 18, 1999. Record good, 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 and Scott D. Brinton.

RATING TABLE.--FLOALECO04 USED FROM 01-OCT-1998 TO 30-SEP-1999

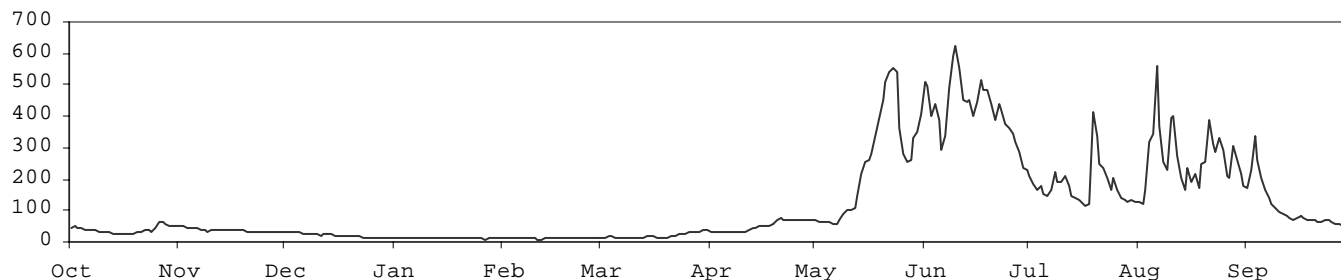
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	50	31	15	11	14	31	68	506	213	126	174
2	48	50	31	14	10	15	30	65	497	182	121	226
3	46	46	31	13	12	16	34	65	401	165	168	335
4	43	43	31	13	12	16	33	63	439	178	321	263
5	40	42	30	14	11	14	32	61	391	151	345	204
6	39	42	28	14	11	15	32	58	292	148	561	167
7	39	40	26	14	11	15	33	59	336	168	369	141
8	37	39	24	14	10	14	34	69	490	220	257	123
9	34	33	26	13	10	14	34	87	594	192	229	107
10	32	37	24	12	10	14	33	101	623	194	392	96
11	30	38	22	12	8.0	14	33	101	556	209	402	89
12	29	40	24	12	9.0	14	37	108	455	177	274	81
13	28	37	24	12	10	15	44	148	443	147	202	75
14	27	38	23	11	10	16	46	217	450	140	167	70
15	26	38	22	11	11	16	50	254	399	136	237	78
16	25	39	22	11	11	16	49	263	444	121	194	81
17	26	39	22	11	11	15	48	278	513	112	217	78
18	26	38	21	11	12	15	50	335	483	123	170	70
19	26	36	21	11	12	14	56	393	486	416	250	73
20	29	33	20	11	12	15	69	449	441	335	256	72
21	33	35	18	11	12	18	78	506	391	246	386	65
22	36	35	16	10	11	21	71	541	436	234	313	61
23	39	33	14	10	11	23	67	556	422	206	285	73
24	35	32	12	11	12	24	68	539	376	167	330	71
25	47	32	12	11	12	27	68	365	363	201	291	64
26	61	32	13	10	12	32	68	280	344	163	211	59
27	65	32	14	9.0	13	32	71	256	320	139	203	56
28	60	32	15	10	14	31	70	264	285	131	304	52
29	52	34	15	10	---	33	67	332	238	127	264	50
30	52	31	15	10	---	38	70	352	227	131	214	48
31	51	---	15	10	---	36	---	408	---	125	178	---
TOTAL	1203	1126	662	361.0	311.0	612	1506	7641	12641	5597	8237	3202
MEAN	38.8	37.5	21.4	11.6	11.1	19.7	50.2	246	421	181	266	107
AC-FT	2390	2230	1310	716	617	1210	2990	15160	25070	11100	16340	6350
MAX	65	50	31	15	14	38	78	556	623	416	561	335
MIN	25	31	12	9.0	8.0	14	30	58	227	112	121	48

CAL YR 1998 TOTAL 26499.0 MEAN 72.6 MAX 632 MIN 8.0 AC-FT 52560
WTR YR 1999 TOTAL 43099.0 MEAN 118 MAX 623 MIN 8.0 AC-FT 85490

MAX DISCH 783 CFS AT 2045 09-JUN-1999 GH 3.40 FT. SHIFT -0.15 FT. MAX GH 3.40 FT. AT 2045 09-JUN-1999

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 and Scott D. Brinton.

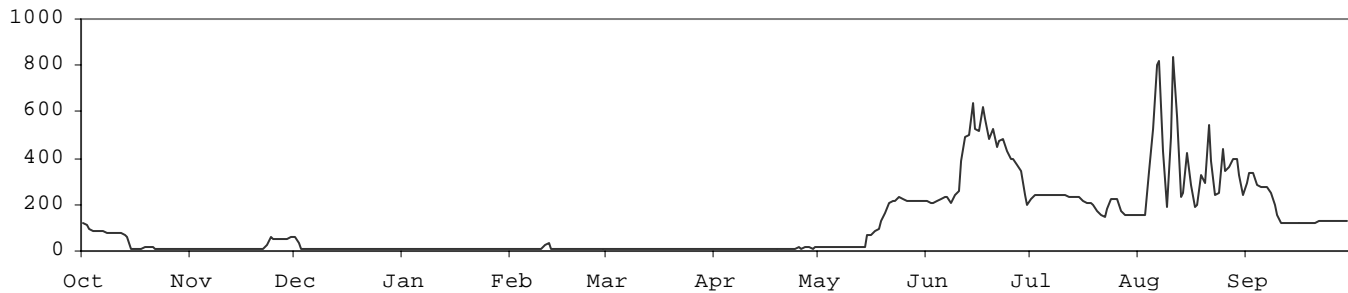
RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	12	62	12	12	12	12	13	212	220	155	294
2	109	12	31	12	12	12	12	13	206	238	155	335
3	96	12	12	12	12	12	12	13	208	239	155	335
4	85	12	12	12	12	12	12	13	214	239	344	287
5	83	12	12	12	12	12	12	13	222	239	525	275
6	83	12	12	12	12	12	12	13	235	239	805	275
7	83	12	12	12	12	12	12	13	235	240	819	275
8	78	12	12	12	12	12	12	13	211	240	427	251
9	74	9.8	11	12	12	12	12	13	240	240	187	194
10	74	11	12	12	12	12	12	13	255	240	488	156
11	74	12	12	12	28	12	12	13	387	240	836	123
12	74	12	12	12	31	12	12	13	490	235	575	124
13	68	12	12	12	12	12	12	13	498	232	232	124
14	58	12	12	12	12	12	10	21	634	232	251	124
15	12	12	12	12	12	12	9.0	65	523	232	425	124
16	12	12	12	12	12	12	12	68	513	219	287	124
17	12	12	12	12	12	12	12	83	619	211	189	124
18	12	12	12	12	12	12	12	98	571	210	201	124
19	13	12	12	12	12	12	12	131	483	200	328	124
20	13	12	12	12	12	12	11	164	522	174	294	124
21	13	12	12	12	12	12	12	204	445	154	545	124
22	12	12	12	12	12	12	12	216	472	148	386	126
23	12	27	12	12	11	12	12	217	481	183	243	129
24	12	57	12	12	12	12	12	233	428	227	254	128
25	12	53	12	12	12	12	13	226	399	227	438	128
26	12	53	12	12	12	12	12	215	400	220	343	128
27	12	53	12	12	12	12	13	216	367	172	358	128
28	12	53	12	12	12	12	13	216	345	159	396	128
29	12	53	12	12	---	12	12	216	244	155	396	128
30	12	58	12	12	---	12	13	216	202	155	324	128
31	12	---	12	12	---	12	---	216	---	155	239	---
TOTAL	1365	667.8	440	372	370	372	358.0	3190	11261	6514	11600	5191
MEAN	44.0	22.3	14.2	12.0	13.2	12.0	11.9	103	375	210	374	173
AC-FT	2710	1320	873	738	734	738	710	6330	22340	12920	23010	10300
MAX	119	58	62	12	31	12	13	233	634	240	836	335
MIN	12	9.8	11	12	11	12	9.0	13	202	148	155	123
CAL YR 1998 TOTAL	37417.3		MEAN	103	MAX	705	MIN	9.5	AC-FT	74220		
WTR YR 1999 TOTAL	41700.8		MEAN	114	MAX	836	MIN	9.0	AC-FT	82710		

MAX DISCH 965 CFS AT 1930 06-AUG-1999 GH 5.05 FT. SHIFT -0.06 FT. MAX GH 5.05 FT. AT 1930 06-AUG-1999

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.--Graphic water-stage recorder and Sutron 8004 DCP and shaft encoder on a separate float in a 36"x36" wooden shelter and 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. 20; Dec. 7-8, 10-16, 18, 25, 1998; Jan. 2-3, 6-7, 9-11, 13,16, 21-22, 28-31; Feb. 2, 4-5, 10-14, 16-18, 20, 22-28; Mar. 1, 3, 8, 10, 13-14; Apr. 5-6, 10-11, 1999. Floats were frozen in ice in the well Dec. 21-24, 1998. Record good except for estimated daily discharges, which are poor. Station maintained by David A. Nelson and records developed by David A. Nelson and Scott D. Brinton.

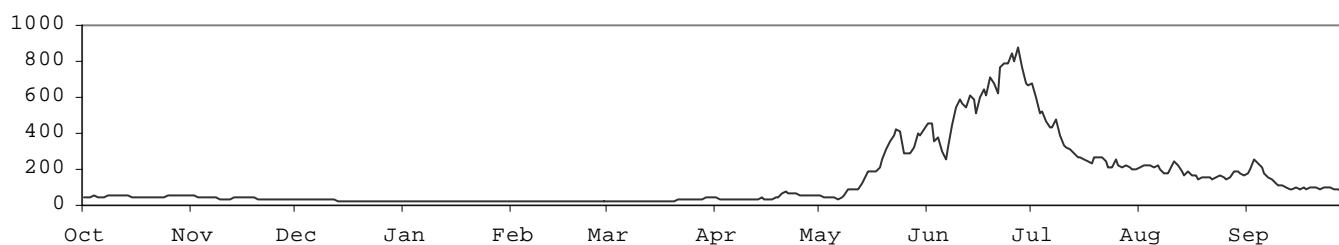
RATING TABLE.--ANIHOWCO08 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	54	34	25	19	18	43	51	456	681	210	175
2	45	55	34	24	19	18	38	46	454	598	220	195
3	43	50	34	24	19	18	37	50	356	516	218	259
4	52	43	34	24	18	19	35	44	379	525	217	236
5	49	42	34	23	18	18	34	40	304	470	208	207
6	45	44	34	23	18	18	34	36	256	435	218	180
7	50	42	32	22	18	18	34	41	318	435	204	157
8	53	42	32	22	18	17	35	56	445	473	181	140
9	54	37	30	22	18	18	34	86	540	384	173	126
10	55	37	28	22	18	17	32	94	589	335	220	116
11	53	36	28	21	17	18	32	87	568	318	242	108
12	52	38	28	21	17	18	33	88	540	313	218	99
13	51	39	26	21	17	18	37	120	606	287	192	90
14	51	39	26	21	17	18	39	166	593	266	172	91
15	50	40	26	21	18	20	38	188	511	268	184	98
16	48	41	26	21	18	21	36	186	605	258	165	93
17	47	41	26	21	18	21	37	185	645	245	168	99
18	43	41	26	21	18	21	39	216	612	230	149	93
19	45	40	26	20	18	23	47	260	706	266	154	100
20	48	36	25	21	17	25	66	306	675	268	152	101
21	49	37	24	20	17	28	76	361	620	265	153	96
22	50	38	24	20	17	30	69	389	767	243	140	93
23	50	38	26	21	17	30	65	425	793	216	152	97
24	47	37	26	21	17	31	64	407	789	208	165	98
25	51	36	26	20	17	34	57	285	849	251	156	95
26	52	36	26	21	17	37	55	284	796	224	148	89
27	59	36	26	21	17	38	53	289	873	212	158	86
28	58	36	25	20	18	37	56	319	766	219	189	81
29	52	36	25	20	---	40	54	399	673	208	189	76
30	56	35	25	20	---	44	54	388	667	195	181	75
31	54	---	25	20	---	45	---	424	---	203	168	---
TOTAL	1555	1202	867	664	495	776	1363	6316	17751	10015	5664	3649
MEAN	50.2	40.1	28.0	21.4	17.7	25.0	45.4	204	592	323	183	122
AC-FT	3080	2380	1720	1320	982	1540	2700	12530	35210	19860	11230	7240
MAX	59	55	34	25	19	45	76	425	873	681	242	259
MIN	43	35	24	20	17	17	32	36	256	195	140	75
CAL YR 1998 TOTAL		36669	MEAN	100	MAX	629	MIN	16	AC-FT	72730		
WTR YR 1999 TOTAL		50317	MEAN	138	MAX	873	MIN	17	AC-FT	99800		

MAX DISCH 1253 CFS AT 2015 27-JUN-1999 GH 3.64 FT. SHIFT -0.11 FT. MAX GH 3.64 FT. AT 2015 27-JUN-1999

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.--Sutron 8200 DCP in a wooden shelter and metal 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-1998 TO 30-SEP-1999

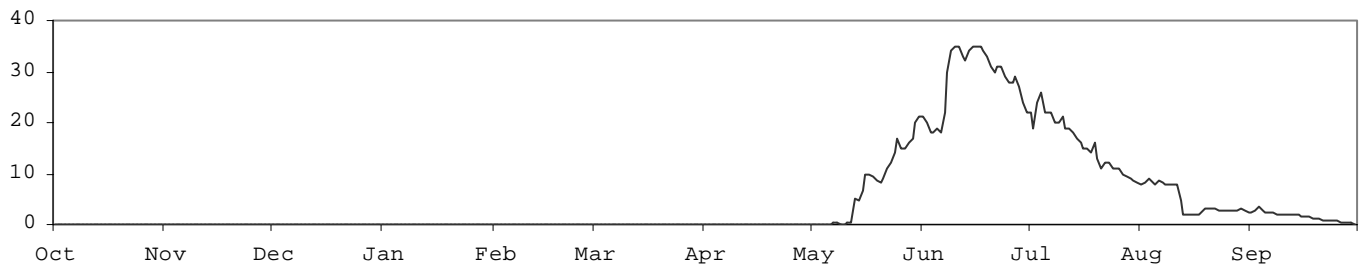
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.06	21	22	8.0	2.5
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	20	19	8.2	2.6
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	18	24	9.2	3.6
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	18	26	8.7	2.7
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	19	22	7.9	2.4
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	18	22	8.6	2.3
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.32	22	22	8.2	2.2
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.37	30	20	7.7	2.1
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	34	20	7.8	2.1
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.07	35	21	8.0	2.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.28	35	19	7.8	1.9
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	33	19	4.6	1.8
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	32	18	1.9	1.8
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	34	17	1.8	1.8
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	35	16	1.9	1.7
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	35	15	1.8	1.6
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	35	15	1.9	1.4
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	34	14	2.4	1.3
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	33	16	3.3	1.2
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	31	13	3.1	1.1
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	30	11	3.1	0.98
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	31	12	3.0	0.86
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	31	12	2.8	0.77
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	29	11	2.9	0.72
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	28	11	2.8	0.69
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	28	11	2.7	0.53
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	29	10	2.6	0.40
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	27	9.5	2.9	0.38
29	0.0	0.0	0.0	0.0	---	0.0	0.0	17	24	9.2	3.0	0.25
30	0.0	0.0	0.0	0.0	---	0.0	0.12	20	22	8.7	2.6	0.15
31	0.0	---	0.0	0.0	---	0.0	---	21	---	8.2	2.5	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.01	0.12	232.13	851	493.6	143.7	45.84
MEAN	0.0	0.0	0.0	0.0	0.0	0.00	0.00	7.49	28.4	15.9	4.64	1.53
AC-FT	0.0	0.0	0.0	0.0	0.0	0.03	0.23	460	1690	979	285	91
MAX	0.0	0.0	0.0	0.0	0.0	0.01	0.12	21	35	26	9.2	3.6
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	18	8.2	1.8	0.15

CAL YR 1998 TOTAL 1412.22 MEAN 3.87 MAX 33 MIN 0.00 AC-FT 2800
WTR YR 1999 TOTAL 1766.40 MEAN 4.84 MAX 35 MIN 0.00 AC-FT 3500

MAX DISCH 36 CFS AT 2000 16-JUN-1999 GH 1.46 FT. SHIFT 0.00 FT. MAX GH 1.46 FT. AT 2000 16-JUN-1999

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.--Graphic water-stage recorder and a Sutron 8200 DCP on separate floats in a metal shelter and concrete well at a 3 foot Parshall flume.

REMARKS.--Record good except for frozen float on Dec. 23, 1998 and stage discharge relationship ice affected on Jan. 21, 1999. Station maintained by J. Russell Kennedy and Matthew A. Schmitt. Records developed by Scott D. Brinton.

RATING TABLE.--PINDITCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

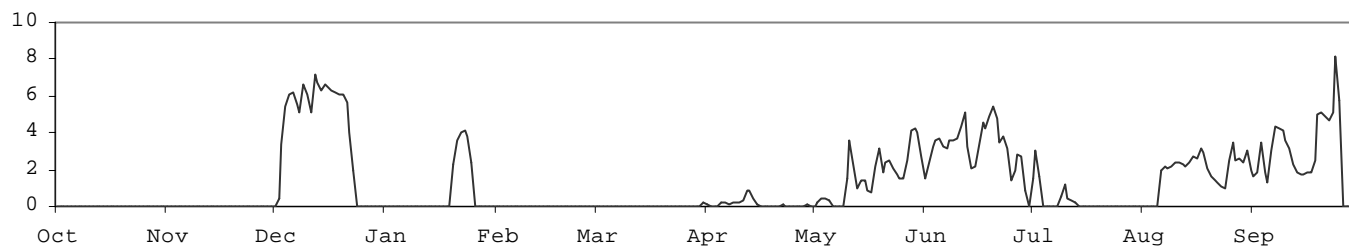
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	0.11	0.0	1.5	1.5	0.0	1.6
2	0.0	0.0	0.48	0.0	0.0	0.0	0.01	0.18	2.4	3.0	0.0	1.8
3	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.44	3.3	1.6	0.0	3.5
4	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.41	3.6	0.0	0.01	1.8
5	0.0	0.0	6.1	0.0	0.0	0.0	0.22	0.31	3.7	0.0	0.0	1.3
6	0.0	0.0	6.2	0.0	0.0	0.0	0.26	0.02	3.3	0.01	2.0	3.0
7	0.0	0.0	5.5	0.0	0.0	0.0	0.15	0.0	3.2	0.0	2.2	4.3
8	0.0	0.0	5.1	0.0	0.0	0.0	0.24	0.0	3.6	0.0	2.1	4.2
9	0.0	0.0	6.6	0.0	0.0	0.0	0.17	0.0	3.6	0.53	2.2	4.1
10	0.0	0.0	6.1	0.0	0.0	0.0	0.19	1.5	3.7	1.2	2.4	3.6
11	0.0	0.0	5.1	0.0	0.0	0.0	0.32	3.6	4.4	0.48	2.4	3.2
12	0.0	0.0	7.2	0.0	0.0	0.0	0.92	2.3	5.1	0.33	2.3	2.3
13	0.0	0.0	6.7	0.0	0.0	0.0	0.90	1.0	3.3	0.20	2.2	1.9
14	0.0	0.0	6.3	0.0	0.0	0.0	0.44	1.4	2.1	0.0	2.4	1.7
15	0.0	0.0	6.6	0.0	0.0	0.0	0.10	1.4	2.2	0.0	2.7	1.7
16	0.0	0.0	6.4	0.0	0.0	0.0	0.0	0.87	3.4	0.0	2.6	1.8
17	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.74	4.6	0.0	3.2	1.9
18	0.0	0.0	6.2	0.0	0.0	0.0	0.0	2.2	4.2	0.0	2.9	2.5
19	0.0	0.0	6.1	0.0	0.0	0.0	0.0	3.2	4.9	0.0	2.1	5.0
20	0.0	0.0	6.1	2.3	0.0	0.0	0.0	1.8	5.4	0.0	1.6	5.1
21	0.0	0.0	5.7	3.6	0.0	0.0	0.05	2.4	4.8	0.0	1.4	4.9
22	0.0	0.0	4.0	4.0	0.0	0.0	0.14	2.5	3.5	0.0	1.3	4.7
23	0.0	0.0	2.0	4.1	0.0	0.0	0.0	2.1	3.8	0.0	1.1	5.1
24	0.0	0.0	0.0	3.8	0.0	0.0	0.0	1.7	3.2	0.0	1.0	8.1
25	0.0	0.0	0.0	2.4	0.0	0.0	0.04	1.5	1.4	0.0	2.5	5.8
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.0	0.0	3.5	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.8	0.0	2.5	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.7	0.0	2.6	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.07	4.2	0.92	0.0	2.4	0.0
30	0.0	0.0	0.0	0.0	---	0.03	0.0	4.0	0.0	0.0	3.0	0.0
31	0.0	---	0.0	0.0	---	0.18	---	2.7	---	0.0	2.0	---
TOTAL	0.0	0.0	119.58	20.2	0.0	0.22	4.35	50.56	96.62	8.84	58.61	84.9
MEAN	0.0	0.0	3.86	0.65	0.0	0.01	0.14	1.63	3.22	0.29	1.89	2.83
AC-FT	0.0	0.0	237	40	0.0	0.43	8.6	100	192	18	116	168
MAX	0.0	0.0	7.2	4.1	0.0	0.18	0.92	4.2	5.4	3.0	3.5	8.1
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 1998 TOTAL 714.63 MEAN 1.96 MAX 13 MIN 0.00 AC-FT 1420
WTR YR 1999 TOTAL 443.88 MEAN 1.22 MAX 8.1 MIN 0.00 AC-FT 880

MAX DISCH 25 CFS AT 1630 24-DEC-1998 GH 1.61 FT. SHIFT 0.00 FT. MAX GH 1.61 FT. AT 1630 24-DEC-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 Sutron 8200 DCP on separate floats 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. Also equipped with an air temperature sensor.

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 ice affected Nov. 12, 20; Dec. 7-8, 10-12, 14-15, 21-28, 1998; Jan. 2-11, 13-17, 21-23, 25-31; Feb. 1-8, 10-18, 20, 22-24, 27-28, 1999. Record good except for estimated daily discharges, which are poor. Station maintained and record developed by Scott Brinton.

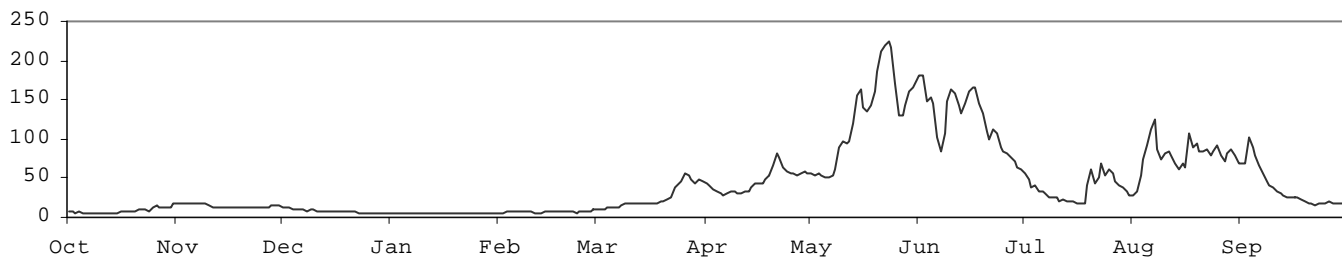
RATING TABLE.--RATING TABLE LAPHESCO32 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	17	14	4.4	6.0	11	43	56	181	57	28	68
2	6.5	18	14	4.5	6.0	11	40	54	182	49	34	69
3	5.8	18	12	4.5	7.0	11	35	55	147	38	54	103
4	6.4	17	11	4.5	7.0	12	33	54	154	42	75	89
5	6.1	17	11	4.5	7.0	12	30	52	146	33	92	78
6	6.3	17	10	4.5	7.0	13	29	52	101	32	113	67
7	6.2	17	9.0	4.5	7.0	14	30	53	84	31	124	56
8	6.0	17	8.0	4.5	7.0	15	32	62	106	26	86	47
9	6.0	17	10	4.5	7.2	17	32	89	148	25	75	41
10	6.1	15	9.0	4.2	7.2	18	31	97	163	25	82	37
11	6.1	14	8.0	4.2	6.0	19	31	95	158	21	83	33
12	6.2	13	8.0	4.4	5.0	19	32	96	144	22	79	31
13	6.1	13	7.6	4.2	6.0	19	34	120	133	20	70	27
14	6.0	13	7.0	4.0	7.0	19	37	156	145	21	62	25
15	6.0	13	7.0	4.0	7.0	19	44	164	160	20	68	26
16	7.1	13	6.4	4.0	7.0	19	43	140	166	19	64	26
17	7.4	13	7.9	4.0	7.0	19	44	136	166	18	107	26
18	7.2	13	8.4	3.9	7.0	19	48	144	146	17	90	22
19	6.9	13	8.4	3.9	7.2	20	53	160	132	40	94	20
20	6.7	12	8.2	4.0	7.0	20	67	185	110	61	83	19
21	9.2	13	8.0	4.0	7.2	22	81	212	100	44	83	18
22	10	14	7.0	4.0	7.0	25	77	220	112	51	86	16
23	9.5	14	6.0	4.0	6.0	37	64	224	106	68	78	19
24	8.2	14	5.0	4.2	7.0	41	59	217	89	54	83	19
25	12	14	5.0	5.0	8.0	47	57	171	84	60	93	19
26	15	14	5.0	6.0	8.0	57	55	129	82	57	78	20
27	13	14	5.0	6.0	8.5	54	54	129	77	47	72	19
28	13	15	5.0	5.0	9.0	48	56	142	71	40	81	18
29	12	16	5.4	5.0	---	44	58	160	63	39	87	18
30	14	15	5.2	5.0	---	48	57	165	61	34	78	18
31	17	---	5.2	5.0	---	46	---	177	---	29	70	---
TOTAL	260.4	443	246.7	138.4	195.3	795	1386	3966	3717	1140	2452	1094
MEAN	8.40	14.8	7.96	4.46	6.97	25.6	46.2	128	124	36.8	79.1	36.5
AC-FT	517	879	489	275	387	1580	2750	7870	7370	2260	4860	2170
MAX	17	18	14	6.0	9.0	57	81	224	182	68	124	103
MIN	5.8	12	5.0	3.9	5.0	11	29	52	61	17	28	16
CAL YR 1998 TOTAL	11622.6		MEAN	31.8	MAX	209	MIN	5.0	AC-FT	23050		
WTR YR 1999 TOTAL	15833.8		MEAN	43.4	MAX	224	MIN	3.9	AC-FT	31410		

MAX DISCH 271 CFS AT 1045 23-DEC-1998 GH 3.43 FT. SHIFT -0.08 FT. MAX GH 3.43 FT. AT 1045 23-DEC-1998

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.--Graphic water-stage recorder and a Sutron 8200 DCP on separate floats in a concrete shelter and well. 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 10,11, 19-27; Dec. 6-9,11,13-17,19,20,22,23,26, 28,1998; Jan. 4,5,7-11,13-15,30 and 31; Feb. 2,4,5,10,11,20,21 and 23-27,1999. Inlets plugged June 21-26, 1999. Record fair, except for estimated daily discharges, which are poor. Station maintained and records developed by J. Russell Kennedy, Matthew A. Schmitt and Scott D. Brinton.

RATING TABLE.--CHEREDCO02 USED FROM 01-OCT-1998 TO 30-SEP-1999

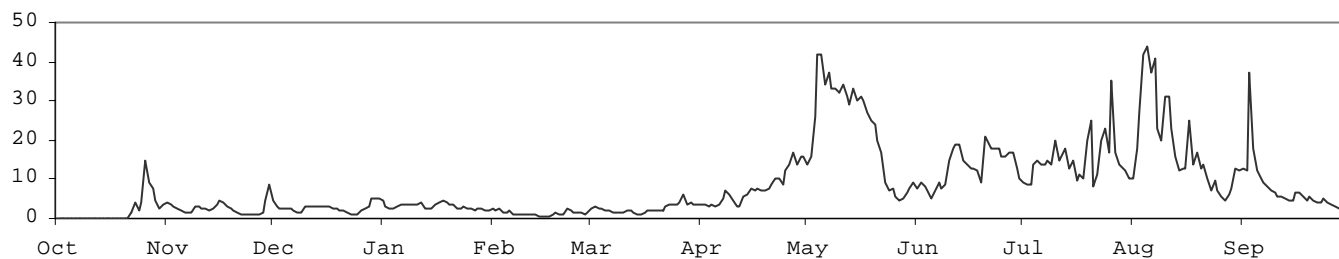
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.11	3.9	4.6	4.7	2.7	2.4	3.5	14	7.7	9.3	10	13
2	0.0	3.5	3.2	2.9	2.1	3.3	3.8	16	9.0	8.9	18	12
3	0.0	3.0	2.7	2.6	2.4	2.8	3.3	26	8.1	8.5	27	37
4	0.0	2.6	2.4	2.5	1.5	2.3	3.8	42	7.0	14	42	18
5	0.0	1.9	2.5	3.0	1.5	2.2	3.1	42	5.0	15	44	12
6	0.0	1.6	2.5	3.8	1.8	1.9	3.5	34	7.0	14	37	10
7	0.0	1.6	2.0	3.5	0.82	1.5	5.2	37	9.1	14	41	9.4
8	0.0	1.4	1.5	3.5	0.91	1.6	7.2	33	7.5	15	23	8.3
9	0.0	3.2	1.5	3.5	0.88	1.5	6.0	33	8.6	14	20	7.1
10	0.0	3.0	2.9	3.5	0.80	1.5	4.7	32	15	20	31	6.5
11	0.0	2.8	3.0	3.5	0.80	2.0	3.2	34	18	15	31	5.8
12	0.0	2.6	3.3	3.9	1.0	1.8	3.3	31	19	17	23	5.4
13	0.0	2.1	3.0	2.5	0.85	1.5	5.4	29	19	18	16	5.3
14	0.0	2.8	3.0	2.5	0.70	1.1	6.1	33	15	13	12	4.8
15	0.0	3.7	3.0	2.5	0.76	1.1	7.5	30	14	15	13	4.6
16	0.0	4.6	3.0	3.8	0.64	1.4	7.1	31	13	9.9	13	6.6
17	0.0	4.1	3.0	4.0	0.72	1.8	7.4	30	13	11	25	6.4
18	0.0	3.2	2.8	4.4	0.98	1.9	7.0	27	12	10	14	5.6
19	0.0	2.5	2.5	4.0	1.3	1.8	7.1	25	9.0	20	17	4.7
20	0.0	2.0	2.0	3.8	1.0	1.8	7.6	24	21	25	13	5.7
21	0.0	1.5	1.8	3.6	1.0	2.2	8.7	20	20	8.3	14	4.7
22	1.6	1.0	1.5	2.3	2.5	2.9	10	17	18	11	10	3.9
23	4.0	1.0	1.0	2.4	2.0	3.6	10	9.1	18	20	7.0	4.0
24	2.0	1.0	0.93	3.3	1.5	3.8	8.8	7.2	18	23	9.7	4.9
25	4.0	1.0	1.1	2.8	1.5	3.8	12	7.8	16	17	7.3	4.3
26	15	1.0	2.0	2.4	1.5	4.3	14	5.5	16	35	5.5	3.6
27	9.3	1.0	2.8	1.8	1.0	5.9	17	4.7	17	17	4.7	3.2
28	7.7	1.4	3.0	2.3	1.5	3.7	14	5.0	17	14	6.2	2.8
29	4.7	4.4	5.3	2.4	---	4.1	16	6.5	13	13	7.8	2.6
30	2.6	8.8	5.1	2.0	---	3.6	16	7.7	10	12	13	2.7
31	3.6	---	4.9	2.0	---	3.7	---	9.1	---	10	12	---
TOTAL	54.61	78.2	83.83	95.7	36.66	78.8	232.3	702.6	400.0	466.9	567.2	224.9
MEAN	1.76	2.61	2.70	3.09	1.31	2.54	7.74	22.7	13.3	15.1	18.3	7.50
AC-FT	108	155	166	190	73	156	461	1390	793	926	1130	446
MAX	15	8.8	5.3	4.7	2.7	5.9	17	42	21	35	44	37
MIN	0.0	1.0	0.93	1.8	0.64	1.1	3.1	4.7	5.0	8.3	4.7	2.6

CAL YR 1998 TOTAL 3923.77 MEAN 10.8 MAX 80 MIN 0.00 AC-FT 7780
WTR YR 1999 TOTAL 3021.70 MEAN 8.28 MAX 44 MIN 0.00 AC-FT 5990

MAX DISCH 108 CFS AT 1730 03-SEP-1999 GH 2.53 FT. SHIFT 0.17 FT. MAX GH 2.53 FT. AT 1730 03-SEP-1999

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.--Graphic water-stage recorder with a Sutron 8200 DCP on separate floats in a 3' by 3' wooden shelter and well. The control is a three foot Parshall flume equipped with a staff gauge. 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. 8-14 and 22-26,1998; Jan. 4,14 and 15; Feb. 12 and 13,1999. 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, Matthew A. Schmitt and Scott D. Brinton.

RATING TABLE.--LONREDCO01 USED FROM 01-OCT-1998 TO 30-SEP-1999

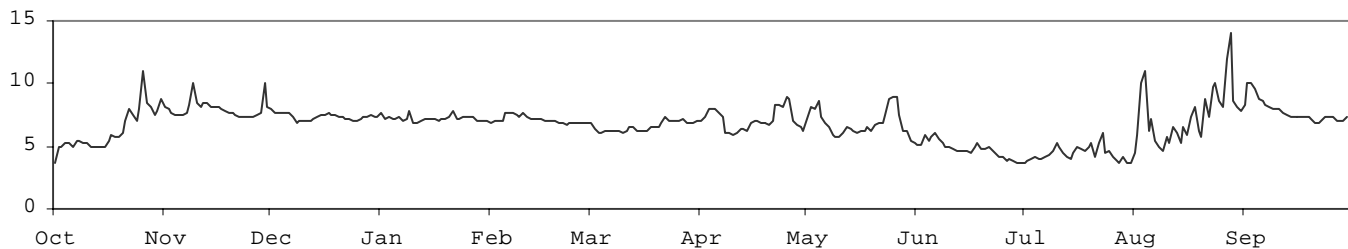
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	8.1	7.9	7.6	6.9	6.8	7.0	7.2	5.1	3.6	4.4	8.3
2	5.0	7.9	7.7	7.2	7.0	6.4	7.4	8.1	5.1	3.8	5.9	10
3	5.0	7.7	7.7	7.4	7.1	6.1	7.9	8.0	5.9	4.0	10	10
4	5.2	7.5	7.7	7.2	7.1	6.1	8.0	8.6	5.4	4.1	11	9.5
5	5.2	7.5	7.6	7.2	7.7	6.2	8.0	7.4	5.8	4.0	6.3	8.8
6	5.0	7.5	7.7	7.3	7.6	6.2	7.6	6.9	6.0	4.0	7.2	8.6
7	5.4	7.6	7.3	7.1	7.6	6.2	7.3	6.5	5.6	4.2	5.5	8.3
8	5.5	8.3	6.8	7.2	7.5	6.3	6.0	5.9	5.2	4.3	5.0	8.1
9	5.3	10	7.0	7.8	7.4	6.3	6.0	5.8	5.0	4.6	4.7	7.9
10	5.2	8.5	7.0	6.8	7.6	6.0	5.9	5.8	4.9	5.2	5.7	7.9
11	5.0	8.1	7.0	6.9	7.4	6.3	6.0	6.0	4.8	5.0	5.3	7.9
12	5.0	8.4	7.0	7.1	7.2	6.5	6.4	6.5	4.7	4.4	6.6	7.7
13	5.0	8.5	7.2	7.2	7.2	6.5	6.4	6.4	4.6	4.2	6.1	7.5
14	5.0	8.2	7.4	7.2	7.2	6.3	6.3	6.3	4.6	4.0	5.2	7.4
15	5.0	8.1	7.5	7.2	7.2	6.2	6.9	6.1	4.6	4.4	6.5	7.4
16	5.4	8.2	7.5	7.2	7.0	6.2	7.1	6.3	4.5	4.9	5.9	7.4
17	5.9	8.0	7.6	7.1	7.1	6.3	7.1	6.3	5.0	4.8	7.4	7.4
18	5.8	7.8	7.5	7.2	7.1	6.5	6.9	6.5	5.3	4.7	8.2	7.3
19	5.7	7.6	7.5	7.2	7.0	6.6	6.9	6.3	4.8	5.0	6.3	7.3
20	6.0	7.6	7.4	7.4	6.8	6.6	6.7	6.7	4.8	5.3	5.8	7.2
21	7.1	7.5	7.3	7.8	6.8	6.8	7.0	6.9	4.9	4.1	8.8	6.8
22	8.0	7.4	7.2	7.2	6.7	7.3	8.3	6.9	4.7	5.3	7.4	6.8
23	7.5	7.4	7.2	7.2	6.9	7.0	8.3	7.5	4.4	6.1	9.8	7.2
24	7.0	7.4	7.0	7.4	6.8	7.1	8.1	8.7	4.2	4.4	10	7.4
25	7.9	7.3	7.0	7.3	6.8	7.1	9.0	9.0	4.1	4.7	8.6	7.3
26	11	7.4	7.2	7.3	6.9	7.1	8.8	8.9	3.9	4.2	8.2	7.3
27	8.5	7.5	7.4	7.3	6.8	7.2	7.0	7.5	4.0	3.8	12	7.1
28	8.1	7.6	7.4	7.0	6.8	6.8	6.7	6.3	3.8	3.7	14	7.0
29	7.5	10	7.5	7.1	---	6.9	6.6	6.3	3.7	4.2	8.6	7.1
30	7.8	8.1	7.4	7.0	---	6.9	6.2	5.5	3.7	3.7	8.1	7.3
31	8.7	---	7.4	7.0	---	7.0	---	5.2	---	3.7	7.8	---
TOTAL	193.3	238.7	228.0	224.1	199.2	203.8	213.8	212.3	143.1	136.4	232.3	233.2
MEAN	6.24	7.96	7.35	7.23	7.11	6.57	7.13	6.85	4.77	4.40	7.49	7.77
AC-FT	383	473	452	445	395	404	424	421	284	271	461	463
MAX	11	10	7.9	7.8	7.7	7.3	9.0	9.0	6.0	6.1	14	10
MIN	3.6	7.3	6.8	6.8	6.7	6.0	5.9	5.2	3.7	3.6	4.4	6.8

CAL YR 1998 TOTAL 2696.3 MEAN 7.39 MAX 14 MIN 3.5 AC-FT 5350
WTR YR 1999 TOTAL 2458.2 MEAN 6.73 MAX 14 MIN 3.6 AC-FT 4880

MAX DISCH 67 CFS AT 1500 04-AUG-1999 GH 2.49 FT. SHIFT 0.00 FT. MAX GH 2.49 FT. AT 1500 04-AUG-1999

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 Sutron 8200 DCP 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-1998 TO 30-SEP-1999

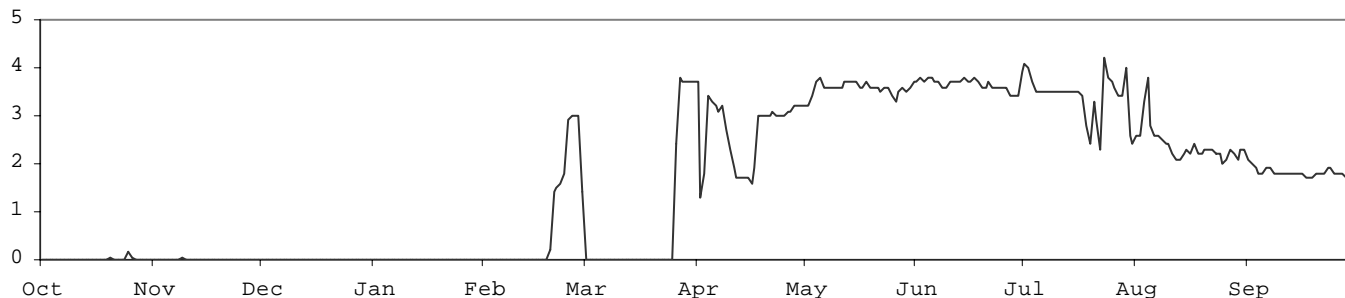
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

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	3.7	3.2	3.7	4.1	2.6	2.1
2	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.2	3.8	4.0	2.6	2.0
3	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.4	3.7	3.7	3.3	1.9
4	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.7	3.8	3.5	3.8	1.8
5	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.8	3.8	3.5	2.8	1.8
6	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.6	3.7	3.5	2.6	1.9
7	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.6	3.7	3.5	2.6	1.9
8	0.0	0.02	0.0	0.0	0.0	0.0	3.2	3.6	3.6	3.5	2.5	1.8
9	0.0	0.03	0.0	0.0	0.0	0.0	2.7	3.6	3.6	3.5	2.4	1.8
10	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.6	3.7	3.5	2.4	1.8
11	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.6	3.7	3.5	2.2	1.8
12	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.7	3.7	3.5	2.1	1.8
13	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.7	3.7	3.5	2.1	1.8
14	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.7	3.8	3.5	2.2	1.8
15	0.0	0.0	0.0	0.0	0.0	0.01	1.7	3.7	3.7	3.5	2.3	1.8
16	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.6	3.7	3.5	2.2	1.8
17	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.6	3.8	3.4	2.4	1.7
18	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.7	3.7	2.8	2.2	1.7
19	0.0	0.0	0.0	0.0	0.22	0.0	3.0	3.6	3.6	2.4	2.2	1.7
20	0.04	0.0	0.0	0.0	1.4	0.0	3.0	3.6	3.6	3.3	2.3	1.8
21	0.0	0.0	0.0	0.0	1.5	0.0	3.0	3.6	3.7	2.9	2.3	1.8
22	0.0	0.0	0.0	0.0	1.6	0.0	3.1	3.5	3.6	2.3	2.3	1.8
23	0.0	0.0	0.0	0.0	1.8	0.0	3.0	3.6	3.6	4.2	2.2	1.9
24	0.0	0.0	0.0	0.0	2.9	0.0	3.0	3.6	3.6	3.8	2.2	1.9
25	0.18	0.0	0.0	0.0	3.0	0.0	3.0	3.4	3.6	3.7	2.0	1.8
26	0.05	0.0	0.0	0.0	3.0	2.4	3.1	3.3	3.6	3.6	2.1	1.8
27	0.02	0.0	0.0	0.0	3.0	3.8	3.1	3.5	3.4	3.4	2.3	1.8
28	0.0	0.0	0.0	0.0	1.4	3.7	3.2	3.6	3.4	3.4	2.2	1.7
29	0.0	0.0	0.0	0.0	---	3.7	3.2	3.5	3.4	4.0	2.1	1.7
30	0.0	0.0	0.0	0.0	---	3.7	3.2	3.6	3.9	2.6	2.3	1.7
31	0.0	---	0.0	0.0	---	3.7	---	3.7	---	2.4	2.3	---
TOTAL	0.29	0.05	0.0	0.0	19.82	21.01	80.1	110.7	109.9	105.5	74.1	54.4
MEAN	0.01	0.00	0.0	0.0	0.71	0.68	2.67	3.57	3.66	3.40	2.39	1.81
AC-FT	0.57	0.09	0.0	0.0	39	42	159	220	218	209	147	108
MAX	0.18	0.03	0.0	0.0	3.0	3.8	3.7	3.8	3.9	4.2	3.8	2.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.2	3.4	2.3	2.0	1.7

CAL YR 1998 TOTAL 422.18 MEAN 1.16 MAX 4.3 MIN 0.00 AC-FT 837
WTR YR 1999 TOTAL 575.86 MEAN 1.58 MAX 4.2 MIN 0.00 AC-FT 1140

MAX DISCH 15 CFS AT 2200 03-AUG-1999 GH 2.35 FT. SHIFT 0.00 FT. MAX GH 2.35 FT. AT 2200 03-AUG-1999

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 Sutron 8200 DCP 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-1998 TO 30-SEP-1999

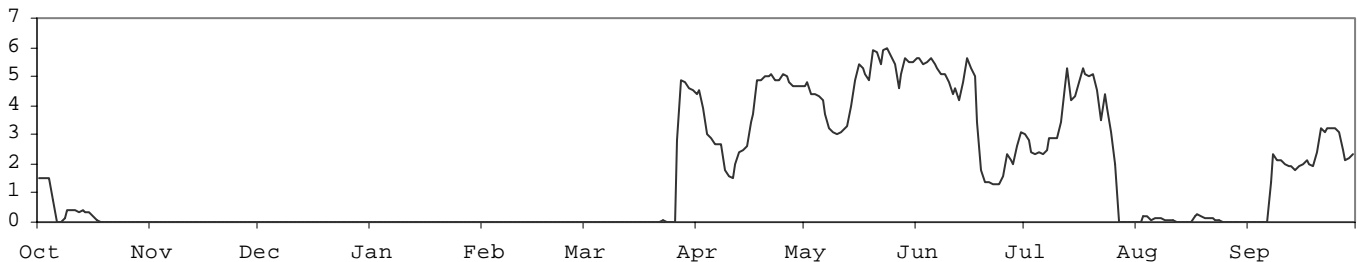
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	0.0	0.0	0.0	0.0	0.0	4.4	4.7	5.6	3.0	0.0	0.0
2	1.5	0.0	0.0	0.0	0.0	0.0	4.5	4.8	5.6	2.8	0.0	0.0
3	1.5	0.0	0.0	0.0	0.0	0.0	3.9	4.4	5.4	2.4	0.21	0.0
4	1.5	0.0	0.0	0.0	0.0	0.0	3.0	4.4	5.5	2.3	0.21	0.0
5	0.76	0.0	0.0	0.0	0.0	0.0	2.9	4.3	5.6	2.4	0.07	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	2.7	4.2	5.4	2.3	0.13	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.7	5.3	2.5	0.14	1.4
8	0.14	0.0	0.0	0.0	0.0	0.0	2.7	3.2	5.1	2.9	0.11	2.3
9	0.38	0.0	0.0	0.0	0.0	0.0	1.8	3.1	5.1	2.9	0.09	2.1
10	0.38	0.0	0.0	0.0	0.0	0.0	1.6	3.0	4.8	2.9	0.08	2.1
11	0.38	0.0	0.0	0.0	0.0	0.0	1.5	3.1	4.4	3.4	0.06	2.0
12	0.37	0.0	0.0	0.0	0.0	0.0	2.0	3.2	4.6	4.7	0.01	1.9
13	0.38	0.0	0.0	0.0	0.0	0.0	2.4	3.3	4.2	5.3	0.0	1.9
14	0.36	0.0	0.0	0.0	0.0	0.0	2.5	4.0	4.8	4.2	0.0	1.8
15	0.32	0.0	0.0	0.0	0.0	0.0	2.6	4.9	5.6	4.3	0.0	1.9
16	0.24	0.0	0.0	0.0	0.0	0.0	3.4	5.4	5.3	4.8	0.0	2.0
17	0.07	0.0	0.0	0.0	0.0	0.0	3.7	5.3	5.0	5.3	0.19	2.1
18	0.0	0.0	0.0	0.0	0.0	0.0	4.9	5.1	3.4	5.1	0.26	2.0
19	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.9	1.8	5.0	0.22	1.9
20	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.9	1.4	5.1	0.15	2.4
21	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.8	1.4	4.5	0.14	3.2
22	0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.4	1.3	3.5	0.12	3.1
23	0.0	0.0	0.0	0.0	0.0	0.09	4.9	5.9	1.3	4.4	0.09	3.2
24	0.0	0.0	0.0	0.0	0.0	0.0	4.9	6.0	1.3	3.9	0.06	3.2
25	0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.7	1.6	3.1	0.02	3.2
26	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.4	2.3	2.0	0.0	3.1
27	0.0	0.0	0.0	0.0	0.0	2.8	4.8	4.6	2.1	0.0	0.0	2.5
28	0.0	0.0	0.0	0.0	0.0	4.9	4.7	5.1	2.0	0.0	0.0	2.1
29	0.0	0.0	0.0	0.0	---	4.8	4.7	5.6	2.6	0.0	0.0	2.2
30	0.0	0.0	0.0	0.0	---	4.6	4.7	5.5	3.1	0.0	0.0	2.3
31	0.0	---	0.0	0.0	---	4.5	---	5.5	---	0.0	0.0	---
TOTAL	9.78	0.0	0.0	0.0	0.0	21.69	112.0	145.4	112.9	95.0	2.34	55.9
MEAN	0.32	0.0	0.0	0.0	0.0	0.70	3.73	4.69	3.76	3.06	0.08	1.86
AC-FT	19	0.0	0.0	0.0	0.0	43	222	288	224	188	4.6	111
MAX	1.5	0.0	0.0	0.0	0.0	4.9	5.1	6.0	5.6	5.3	0.26	3.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	1.3	0.0	0.0	0.0

CAL YR 1998 TOTAL 415.44 MEAN 1.14 MAX 5.6 MIN 0.00 AC-FT 824
WTR YR 1999 TOTAL 555.01 MEAN 1.52 MAX 6.0 MIN 0.00 AC-FT 1100

MAX DISCH 6.2 CFS AT 1400 12-JUL-1999 GH 0.85 FT. SHIFT 0.00 FT. MAX GH 0.85 FT. AT 1400 12-JUL-1999

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 8200 DCP on separate floats 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. Also equipped with an air temperature sensor.

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. 8-19, 22-28, 1998; Jan. 3-11, 17, 1999. Record good except for estimated daily discharges, which are poor. Station maintained and record developed by Scott D Brinton.

RATING TABLE.--RATING TABLE LAPMEXCO28 USED FROM 01-OCT-1998 TO 30-SEP-1999

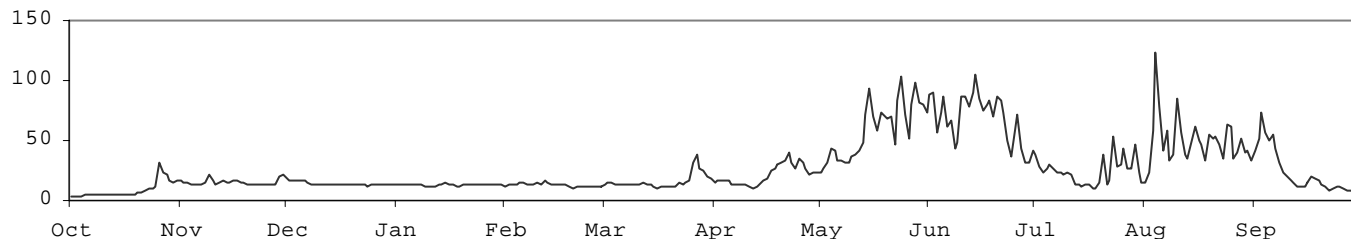
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	16	18	14	12	14	15	24	88	38	15	41
2	3.4	15	17	14	13	15	17	26	90	28	24	52
3	3.3	15	16	13	14	15	17	31	57	23	58	74
4	3.7	14	16	13	13	14	17	43	74	26	123	57
5	4.7	13	16	13	15	14	16	42	86	30	79	50
6	4.7	13	16	14	15	14	13	34	62	26	42	55
7	5.2	13	15	13	14	13	13	34	66	23	58	44
8	4.9	15	14	13	14	14	13	32	44	23	34	31
9	4.4	21	13	12	14	13	14	32	49	22	39	23
10	4.4	16	13	12	15	13	13	36	87	23	85	20
11	4.3	14	13	12	14	14	11	38	87	21	57	17
12	4.4	15	14	12	16	15	10	42	78	13	39	15
13	4.4	16	14	13	15	14	11	48	90	13	35	11
14	4.4	15	14	13	13	13	13	72	105	12	49	11
15	4.4	15	14	15	13	12	16	93	85	14	61	12
16	5.0	16	14	14	13	10	18	70	75	14	50	15
17	5.6	16	13	13	14	11	25	58	80	10	47	20
18	5.5	15	13	12	13	11	26	73	83	10	33	19
19	5.5	15	13	12	12	11	30	71	70	15	55	16
20	6.0	14	13	13	10	11	32	69	86	38	51	14
21	7.2	13	13	14	11	12	33	70	83	14	53	11
22	9.1	13	13	13	11	15	40	46	74	17	47	8.3
23	10	13	13	14	12	14	31	83	50	53	35	9.3
24	9.4	13	12	13	11	15	27	103	37	29	64	11
25	12	13	13	13	11	17	35	72	60	30	62	11
26	32	13	13	13	11	32	31	51	72	44	35	9.4
27	24	13	13	13	11	39	26	80	44	26	40	7.8
28	21	14	14	14	12	27	22	98	31	26	52	7.6
29	16	20	14	14	---	25	23	81	31	46	40	7.4
30	15	21	14	13	---	20	23	80	41	23	41	8.3
31	17	---	14	14	---	18	---	73	---	15	33	---
TOTAL	263.9	448	435	408	362	495	631	1805	2065	745	1536	688.1
MEAN	8.51	14.9	14.0	13.2	12.9	16.0	21.0	58.2	68.8	24.0	49.5	22.9
AC-FT	523	889	863	809	718	982	1250	3580	4100	1480	3050	1360
MAX	32	21	18	15	16	39	40	103	105	53	123	74
MIN	3.0	13	12	12	10	10	10	24	31	10	15	7.4

CAL YR 1998 TOTAL 10199.9 MEAN 27.9 MAX 155 MIN 1.7 AC-FT 20230
WTR YR 1999 TOTAL 9882.0 MEAN 27.1 MAX 123 MIN 3.0 AC-FT 19600

MAX DISCH 637 CFS AT 1515 04-AUG-1999 GH 5.96 FT. SHIFT 0.01 FT. MAX GH 5.96 FT. AT 1515 04-AUG-1999

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.--Graphic water-stage recorder and a Sutron 8200 DCP on separate floats in a 42" concrete well and 64"x64" cement block shelter. The DCP is the primary record. 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. 23-29,1998; Jan. 1,5,6,25 and 26,1998. Record is reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 10,11,20 and 21; Dec. 7,8,10,11,14-19,21,22,30 and 31,1998; Jan. 2-4,7-15,21-23 and 27-31; Feb. 1-4,6-8,10-24 and 27-28; March 3 and 14; April 3-5,10 and 11,1999. Indeterminate Stage-Discharge relationship Jan. 16-20 and 24, 1999. 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.

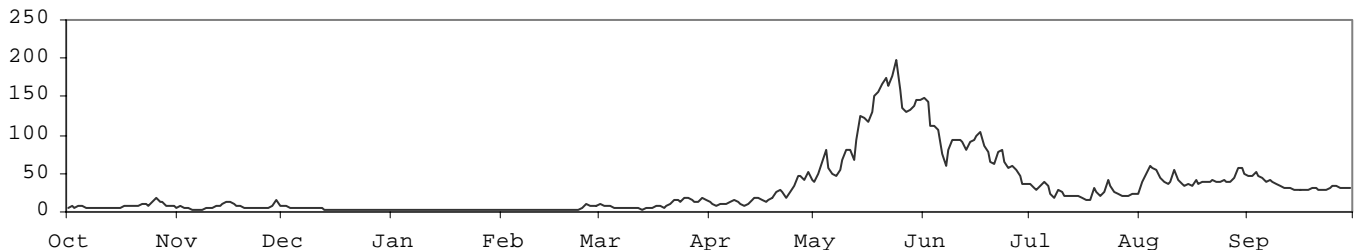
RATING TABLE.--MANMANCO08 USED FROM 01-OCT-1998 TO 30-SEP-1999

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	4.9	7.5	3.2	2.4	9.2	13	39	149	36	23	48
2	7.4	7.1	6.6	3.2	1.8	8.1	10	50	144	31	39	48
3	5.6	6.2	6.3	3.0	2.0	7.0	9.0	64	111	29	50	53
4	8.8	4.1	6.4	3.0	2.2	7.1	10	80	113	34	61	47
5	7.5	3.2	6.1	3.0	1.9	6.3	11	58	108	40	56	44
6	6.4	3.2	5.7	3.0	1.8	5.2	11	49	76	35	54	40
7	6.4	2.7	5.5	3.0	2.0	4.9	14	48	59	23	44	41
8	6.3	3.1	5.0	3.0	2.2	5.0	15	55	81	19	38	38
9	5.9	4.0	5.3	2.8	2.6	5.2	14	69	95	29	36	36
10	5.6	5.0	5.0	2.8	2.2	4.9	10	82	94	26	40	34
11	5.3	6.0	4.0	2.8	1.6	4.4	9.0	80	93	22	55	31
12	5.2	8.1	4.0	3.0	1.8	4.2	9.4	69	91	22	41	30
13	5.0	9.0	3.7	2.8	2.4	3.0	16	94	82	21	36	30
14	5.0	11	3.6	2.6	2.8	4.0	18	125	92	21	33	28
15	4.7	13	3.4	2.6	2.8	4.4	17	123	95	21	36	28
16	6.1	14	3.4	2.6	2.6	5.1	16	117	98	17	33	28
17	7.6	11	3.2	2.6	2.6	6.9	14	131	103	16	41	29
18	7.6	9.0	3.2	2.8	2.8	6.6	15	152	86	16	37	29
19	7.2	6.9	3.0	2.8	3.0	6.1	17	156	77	30	38	31
20	8.6	6.0	3.2	2.8	2.8	7.7	26	166	66	27	38	31
21	9.0	6.0	2.8	2.6	2.6	11	29	174	62	22	40	29
22	9.7	5.9	2.8	2.6	2.8	15	27	165	79	27	42	28
23	9.2	4.7	2.8	2.4	3.6	16	19	178	80	42	39	29
24	9.0	4.8	2.6	2.4	5.0	14	25	198	65	33	39	31
25	13	4.3	2.8	2.6	9.4	17	33	159	57	27	42	33
26	18	4.3	3.0	2.6	7.5	18	48	136	59	23	40	33
27	14	4.9	3.0	2.6	8.0	16	46	130	54	21	40	32
28	12	6.7	3.2	2.4	8.0	13	42	132	48	22	43	31
29	7.3	16	3.2	2.6	---	14	53	139	37	22	58	31
30	7.0	9.0	3.2	2.6	---	17	41	146	37	24	58	31
31	7.3	---	3.2	2.6	---	15	---	146	---	23	49	---
TOTAL	243.3	204.1	126.7	85.4	93.2	281.3	637.4	3510	2491	801	1319	1032
MEAN	7.85	6.80	4.09	2.75	3.33	9.07	21.2	113	83.0	25.8	42.5	34.4
AC-FT	483	405	251	169	185	558	1260	6960	4940	1590	2620	2050
MAX	18	16	7.5	3.2	9.4	18	53	198	149	42	61	53
MIN	4.7	2.7	2.6	2.4	1.6	3.0	9.0	39	37	16	23	28
CAL YR 1998 TOTAL	14664.4	MEAN	40.2	MAX	297	MIN	2.6	AC-FT	29090			
WTR YR 1999 TOTAL	10824.4	MEAN	29.7	MAX	198	MIN	1.6	AC-FT	21470			

MAX DISCH 228 CFS AT 0200 24-MAY-1999 GH 4.89 FT. SHIFT -0.06 FT. MAX GH 4.89 FT. AT 0200 24-MAY-1999

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



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