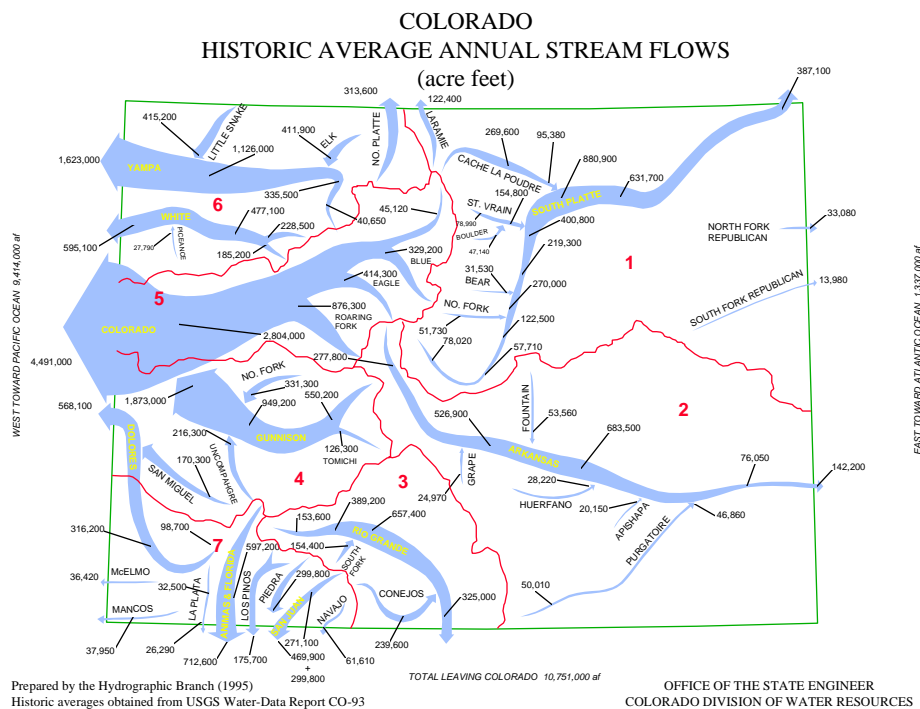


# STREAM FLOW DATA for COLORADO

## 1994 WATER YEAR (OCT 1, 1993 - SEP 30, 1994)

Compiled by  
the  
Hydrographic Branch  
Edited by Jim McDanold



# OFFICE OF THE STATE ENGINEER DIVISION OF WATER RESOURCES

Roy Romer  
Governor

Hal D. Simpson  
State Engineer



# STATEWIDE HYDROGRAPHIC STAFF

## DENVER

J.C. McDanold  
Chuck Shaffer  
Richard A. Poelker  
Dave Dzurovchin  
Faustino M. Ibarra

## GREELEY

Jim Clark  
Fred Renner  
George Sievers  
Rodger Burcher  
Robert Cooper  
Merlin Friedrichsen

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Perry Alspaugh

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Jerry Thrush

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Judy Sappington

## STEAMBOAT SPRINGS

Kent Holt

## DURANGO

Scott Brinton  
David Nelson

I would like to acknowledge and thank all the members of the hydrographic staff for all their time and effort spent in producing this compilation of stream flow records. Special thanks to my staff for all the hours compiling this book.

Jim McDanold

Chlef, Hydrographic Branch







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PLATTE RIVER BASIN

06694650 SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is good. Primary record is taken from hourly satellite readings and is complete and reliable. Satellite readings agree with chart record to within 0.01 foot. Record is developed and satellite monitoring maintained by Robert Cooper.

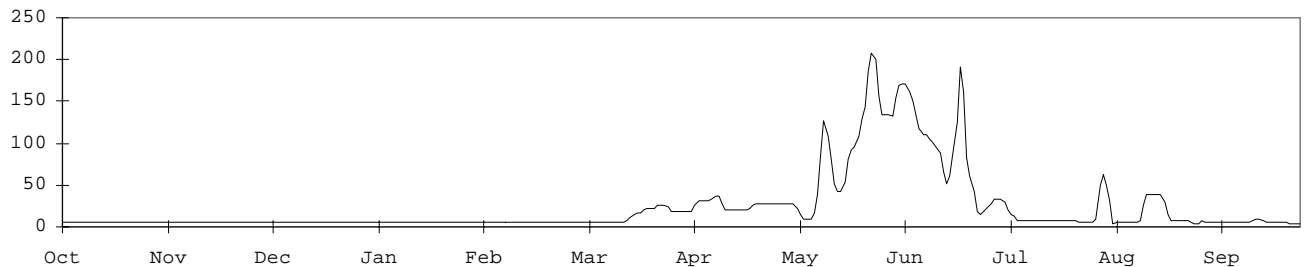
RATING TABLE.--PLAANTCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	5.4	5.4	6.1	5.8	5.4	18	28	134	28	9.0	6.5
2	5.1	5.4	5.4	6.1	5.9	5.4	18	28	133	33	50	6.2
3	5.1	5.4	5.5	6.1	5.8	5.6	19	28	154	33	63	6.1
4	5.1	5.4	5.1	6.1	5.8	5.8	19	27	170	33	49	5.7
5	5.1	5.4	5.1	6.0	5.8	5.8	26	22	171	30	31	5.4
6	5.1	5.4	5.1	6.1	5.8	5.8	31	14	171	21	4.1	5.4
7	5.1	5.4	5.1	6.1	5.8	5.8	31	9.5	162	15	5.1	5.4
8	5.0	5.4	5.1	6.1	5.8	5.8	31	9.4	151	12	5.1	5.5
9	5.1	5.4	5.4	6.1	5.8	5.6	31	9.2	135	6.8	5.1	5.4
10	5.0	5.4	5.4	6.1	5.8	5.8	33	17	118	6.8	4.9	5.4
11	5.0	5.4	5.4	6.1	5.8	5.8	37	39	110	6.8	6.4	5.4
12	5.0	5.4	5.8	6.1	5.9	5.8	37	84	111	6.8	6.3	5.4
13	5.3	5.8	5.6	6.1	5.8	5.8	28	127	105	6.7	6.4	5.2
14	5.3	5.8	5.8	5.9	5.8	5.8	21	109	101	6.7	6.5	5.9
15	5.3	5.8	5.8	5.8	5.8	5.4	21	80	96	6.7	25	5.4
16	5.3	5.8	5.7	5.8	5.9	7.9	21	52	89	6.8	39	6.7
17	5.4	5.8	6.0	5.7	5.8	11	21	43	66	7.2	39	9.1
18	5.3	5.8	6.1	5.8	5.7	15	21	42	51	7.1	39	9.1
19	5.4	5.8	6.1	5.8	5.8	17	21	54	60	7.1	39	7.2
20	5.3	5.8	6.2	5.8	5.8	17	21	80	87	6.8	39	6.1
21	5.4	5.8	6.1	5.8	5.8	20	22	91	125	6.7	30	6.1
22	5.4	5.8	6.1	6.0	5.8	22	25	96	191	6.8	15	5.8
23	5.4	5.6	6.1	6.1	5.8	22	28	109	162	6.7	7.6	5.5
24	5.4	5.7	6.1	6.1	5.7	22	28	129	82	6.8	7.6	5.8
25	5.5	5.7	6.3	5.8	5.7	25	28	143	61	6.5	7.6	5.9
26	5.4	5.7	6.1	5.8	5.7	26	28	185	43	6.8	7.6	5.0
27	5.3	5.8	6.1	5.8	5.4	26	28	207	18	6.4	7.1	4.3
28	5.4	5.8	6.1	5.8	5.4	23	28	201	15	6.4	6.6	4.4
29	5.4	5.8	6.1	5.8	---	18	28	157	19	6.3	5.0	4.3
30	5.4	5.8	6.1	5.8	---	18	28	134	24	6.0	3.0	4.4
31	5.4	---	6.1	5.8	---	18	---	134	---	6.1	4.3	---
TOTAL	162.8	168.7	178.4	184.4	161.5	393.3	777	2488.1	3115	358.8	573.3	174.0
MEAN	5.25	5.62	5.75	5.95	5.77	12.7	25.9	80.3	104	11.6	18.5	5.80
AC-FT	323	335	354	366	320	780	1540	4940	6180	712	1140	345
MAX	5.5	5.8	6.3	6.1	5.9	26	37	207	191	33	63	9.1
MIN	5.0	5.4	5.1	5.7	5.4	5.4	18	9.2	15	6.0	3.0	4.3

CAL YR 1993 TOTAL 6788.4 MEAN 18.6 MAX 128 MIN 2.6 AC-FT 13460  
WTR YR 1994 TOTAL 8735.3 MEAN 23.9 MAX 207 MIN 3.0 AC-FT 17330

MAX DISCH 207 CFS AT 1900 26-MAY-1994 GH 2.55 FT. SHIFT -0.02 FT. MAX GH 2.55 FT. AT 1900 26-MAY-1994



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.--Primary record is from satellite data base. Record is taken from hourly satellite readings and is complete and reliable, except for the winter period; Oct. 27, 1993-Apr. 17, 1994 when the flume was frozen. Record is good during warm periods and poor during winter estimated periods. Record is developed by Robert E. Cooper.

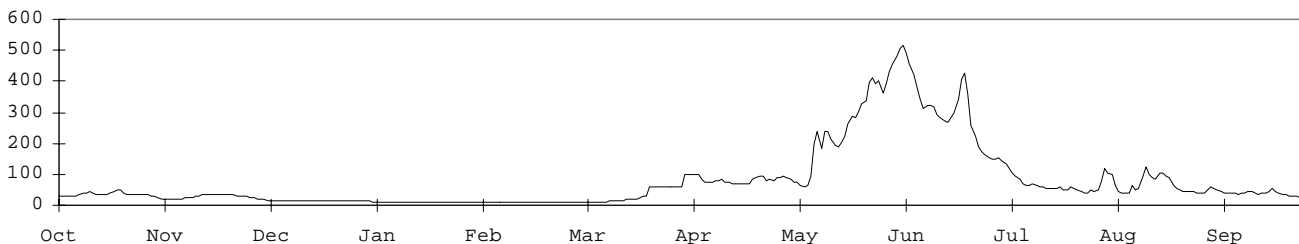
RATING TABLE.--PLASPICO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	20	15	10	8.0	8.0	60	95	432	148	49	42
2	29	20	15	10	8.0	8.0	100	90	457	150	77	49
3	29	20	15	10	8.0	8.0	100	83	480	155	120	60
4	29	20	15	10	8.0	8.0	100	76	508	144	106	54
5	28	20	15	10	8.0	8.0	100	72	517	132	100	48
6	28	20	15	10	8.0	8.0	100	63	489	120	64	44
7	33	25	15	10	8.0	8.0	85	58	458	104	44	41
8	42	25	15	10	8.0	8.0	73	62	420	95	41	39
9	40	27	15	10	8.0	8.0	74	96	380	82	40	38
10	45	29	15	10	8.0	8.0	74	197	340	71	40	39
11	39	30	15	10	8.0	15	81	237	312	66	62	37
12	37	35	15	8.0	8.0	15	78	183	322	66	51	42
13	36	35	15	8.0	8.0	15	82	236	323	67	56	42
14	35	35	15	8.0	8.0	15	73	240	317	62	95	46
15	35	35	15	8.0	8.0	15	72	213	293	59	123	44
16	38	35	15	8.0	8.0	20	67	191	282	60	101	38
17	45	35	15	8.0	8.0	20	70	190	271	56	88	37
18	51	35	15	8.0	8.0	20	69	201	268	54	85	38
19	48	35	15	8.0	8.0	20	68	224	284	55	103	38
20	40	35	15	8.0	8.0	25	70	265	297	53	104	44
21	36	35	15	8.0	8.0	30	71	287	341	60	93	53
22	36	30	15	8.0	8.0	30	84	285	405	52	87	47
23	36	30	15	8.0	8.0	60	87	302	427	51	65	40
24	34	30	15	8.0	8.0	60	92	325	359	58	54	36
25	34	30	15	8.0	8.0	60	94	335	260	56	52	34
26	36	25	15	8.0	8.0	60	81	397	222	49	47	32
27	34	25	15	8.0	8.0	60	82	410	187	45	44	30
28	32	20	15	8.0	8.0	60	77	391	173	41	45	28
29	32	20	15	8.0	---	60	90	404	164	42	46	26
30	23	20	15	8.0	---	60	88	360	155	52	39	27
31	22	---	15	8.0	---	60	---	391	---	45	38	---
TOTAL	1093	836	465	270.0	224.0	860.0	2442	6959	10143	2350	2159	1213
MEAN	35.3	27.9	15.0	8.71	8.00	27.7	81.4	224	338	75.8	69.6	40.4
AC-FT	2170	1660	922	536	444	1710	4840	13800	20120	4660	4280	2410
MAX	51	35	15	10	8.0	60	100	410	517	155	123	60
MIN	22	20	15	8.0	8.0	8.0	60	58	155	41	38	26

CAL YR 1993 TOTAL 30376 MEAN 83.2 MAX 467 MIN 10 AC-FT 60250  
WTR YR 1994 TOTAL 29014.0 MEAN 79.5 MAX 517 MIN 8.0 AC-FT 57550

MAX DISCH 526 CFS AT 0045 05-JUN-1994 GH 2.95 FT. SHIFT -0.03 FT. MAX GH 2.95 FT. AT 0045 05-JUN-1994



PLATTE RIVER BASIN

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

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

**DRAINAGE AREA.**--880 mi<sup>2</sup>.

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

**REMARKS.**--Record is taken from hourly satellite readings. The satellite data agrees within 0.02 Foot of available chart data. Record is complete and reliable. Spinney Reservoir is 2 miles upstream, with no inflows between it and the gage. Spinney release keeps this gage open year around. Record is good. Record developed by Robert Cooper.

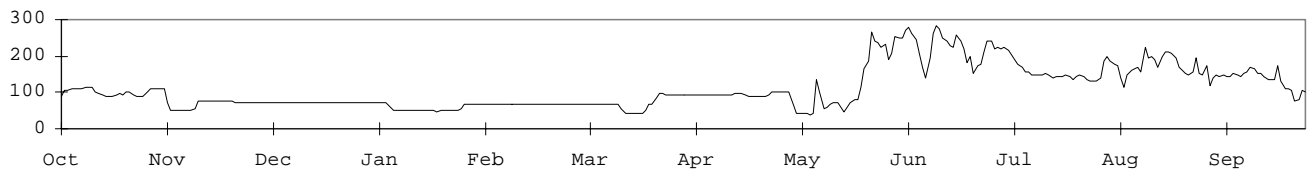
**RATING TABLE.**--PLAHARCO15 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	73	72	70	67	67	93	102	207	220	141	173
2	104	50	72	70	67	68	94	102	252	222	184	118
3	107	49	72	71	67	68	93	68	251	219	197	141
4	109	49	72	70	67	68	93	44	250	222	187	150
5	110	49	72	63	66	68	93	43	270	214	178	145
6	110	49	72	50	66	68	93	41	278	203	173	147
7	111	49	72	49	66	67	93	41	264	191	139	145
8	112	49	72	50	66	67	93	40	244	177	113	145
9	112	57	72	50	66	67	93	43	207	167	147	152
10	112	75	72	50	66	67	93	136	171	158	161	146
11	101	75	72	50	66	67	93	103	138	158	164	144
12	96	76	72	49	66	67	95	55	193	149	170	154
13	93	76	71	49	66	67	95	58	264	148	156	158
14	88	76	72	49	66	57	95	69	282	149	222	169
15	90	76	72	49	66	42	95	71	274	149	196	163
16	90	76	72	49	66	42	96	73	248	153	197	153
17	91	75	72	49	66	41	96	58	242	146	191	151
18	99	75	72	49	66	42	96	45	230	141	167	143
19	92	75	72	48	66	42	91	61	225	142	197	137
20	102	74	72	49	66	42	87	70	257	142	211	137
21	102	73	72	49	67	51	87	82	242	142	213	137
22	92	73	72	49	68	68	87	81	221	146	207	172
23	90	73	72	49	68	68	87	112	182	143	193	133
24	90	73	72	49	67	84	87	166	200	137	171	110
25	90	73	71	49	67	96	87	185	151	145	160	108
26	101	73	71	55	68	96	95	266	172	148	152	104
27	108	73	71	68	67	95	101	239	179	142	147	78
28	109	72	72	68	67	95	101	237	212	136	157	82
29	110	72	72	68	---	95	102	225	242	131	194	104
30	110	72	71	68	---	95	102	231	241	131	154	101
31	110	---	71	68	---	94	---	190	---	132	147	---
TOTAL	3128	2030	2226	1723	1863	2121	2806	3337	6789	5003	5386	4100
MEAN	101	67.7	71.8	55.6	66.5	68.4	93.5	108	226	161	174	137
AC-FT	6200	4030	4420	3420	3700	4210	5570	6620	13470	9920	10680	8130
MAX	112	76	72	71	68	96	102	266	282	222	222	173
MIN	87	49	71	48	66	41	87	40	138	131	113	78

CAL YR 1993 TOTAL 32852 MEAN 90.0 MAX 265 MIN 38 AC-FT 65160  
WTR YR 1994 TOTAL 40512 MEAN 111 MAX 282 MIN 40 AC-FT 80360

MAX DISCH 347 CFS AT 2200 26-MAY-1994 GH 2.29 FT. SHIFT -0.04 FT. MAX GH 2.29 FT. AT 2200 26-MAY-1994



PLATTE RIVER BASIN

06696000 SOUTH PLATTE RIVER NEAR LAKE GEORGE, CO

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

**DRAINAGE AREA.**--963 mi².

**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.**--The record is complete and reliable. Primary record is the hourly satellite data. It is complete and reliable and agrees with the chart. Record is good. Record is developed by Robert E. Cooper.

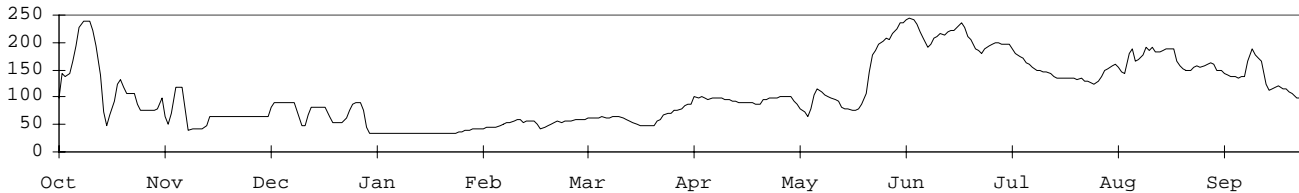
**RATING TABLE.**--PLAGEOCO04 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	66	64	33	41	58	78	100	206	198	128	158
2	142	51	81	33	42	59	84	102	215	199	138	161
3	138	69	89	33	45	60	87	101	224	199	149	162
4	143	117	89	33	45	60	88	92	235	197	153	159
5	166	117	89	33	44	61	100	86	236	197	157	149
6	194	117	89	34	46	61	99	78	241	197	160	148
7	227	79	89	34	48	61	100	72	244	188	155	143
8	240	40	89	34	50	62	97	66	242	180	146	140
9	239	41	89	34	52	64	95	80	233	175	142	139
10	239	41	66	34	54	63	98	105	220	170	181	137
11	222	41	49	34	55	63	97	114	209	163	188	136
12	194	41	49	33	60	64	99	109	191	160	167	137
13	141	49	68	33	59	64	97	105	198	154	169	138
14	74	64	82	33	53	64	96	101	207	149	176	167
15	48	64	82	33	55	61	95	98	210	149	192	187
16	68	64	82	34	56	59	92	95	215	147	186	177
17	92	64	82	34	57	57	92	92	214	145	190	172
18	124	64	82	34	51	53	91	82	218	142	183	165
19	132	65	64	34	43	51	90	78	221	139	182	125
20	118	65	53	34	46	48	90	78	222	134	184	111
21	106	64	53	34	47	47	89	76	230	136	187	115
22	106	64	53	34	50	48	89	75	236	135	189	118
23	106	64	53	34	53	49	88	79	227	135	187	121
24	88	64	62	34	56	48	87	87	212	136	167	115
25	76	64	75	35	54	55	95	108	205	135	156	114
26	77	64	87	36	55	60	96	146	189	132	152	110
27	77	64	90	37	55	67	97	176	185	135	148	106
28	77	64	90	39	57	70	97	186	179	130	148	97
29	77	64	75	40	---	71	98	198	188	128	155	98
30	78	64	45	41	---	76	100	201	193	127	157	95
31	99	---	34	41	---	77	---	208	---	125	154	---
TOTAL	4005	1959	2244	1076	1429	1861	2801	3374	6445	4836	5126	4100
MEAN	129	65.3	72.4	34.7	51.0	60.0	93.4	109	215	156	165	137
AC-FT	7940	3890	4450	2130	2830	3690	5560	6690	12780	9590	10170	8130
MAX	240	117	90	41	60	77	100	208	244	199	192	187
MIN	48	40	34	33	41	47	78	66	179	125	128	95

CAL YR 1993 TOTAL 32689 MEAN 89.6 MAX 240 MIN 34 AC-FT 64840  
WTR YR 1994 TOTAL 39256 MEAN 108 MAX 244 MIN 33 AC-FT 77860

MAX DISCH 250 CFS AT 1400 07-JUN-1994 GH 2.58 FT. SHIFT -0.08 FT. MAX GH 2.58 FT. AT 1400 07-JUN-1994



PLATTE RIVER BASIN

06701500 SOUTH PLATTE RIVER BELOW CHEESMAN LAKE, CO

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

**DRAINAGE AREA.**--1,752 mi<sup>2</sup>.

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

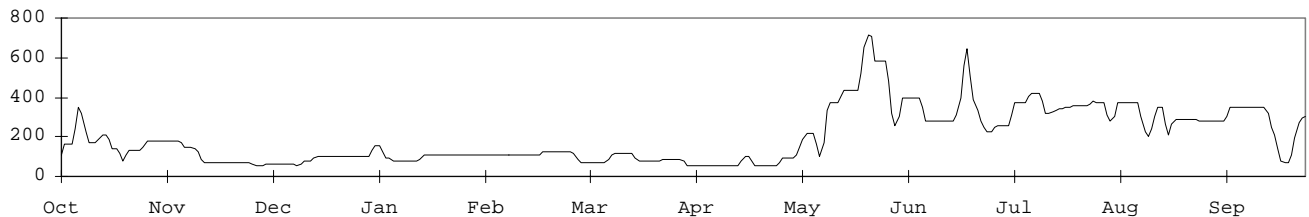
**REMARKS.**--Primary record is taken from hourly satellite gage readings, and is complete. Record is reliable--satellite data agrees with the chart within 0.02 ft. The record is good. Record is developed by Robert Cooper.

**RATING TABLE.**--PLACHECO10 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	181	60	156	106	88	75	91	321	248	373	282
2	164	181	60	156	106	70	55	91	256	259	370	281
3	164	181	60	121	106	71	55	91	302	259	307	280
4	164	181	60	97	106	71	56	110	397	259	279	279
5	238	169	60	92	106	71	56	149	397	259	306	279
6	349	147	59	77	106	71	57	185	399	308	376	279
7	320	147	59	77	106	71	57	217	399	371	375	304
8	228	146	59	77	106	71	57	218	399	371	374	349
9	170	136	58	77	106	71	57	219	400	371	374	349
10	170	123	66	78	106	89	57	161	353	371	374	349
11	172	86	77	77	106	110	57	100	276	405	374	349
12	184	73	76	77	106	115	57	167	277	420	374	348
13	206	73	76	79	106	115	57	336	277	420	303	348
14	207	73	93	88	106	115	57	373	279	420	227	347
15	187	73	103	106	106	115	57	374	279	377	201	347
16	138	72	103	106	106	115	57	373	277	320	240	347
17	138	73	103	106	106	115	57	401	277	321	303	347
18	116	73	103	106	112	90	75	433	279	327	346	346
19	78	73	103	106	124	74	104	438	279	337	346	320
20	109	73	103	106	124	74	103	438	312	340	264	251
21	130	73	103	106	124	74	80	438	398	345	212	209
22	132	73	103	106	124	74	56	438	560	351	264	143
23	132	73	103	106	124	74	56	520	647	353	285	80
24	132	73	103	106	124	75	56	649	503	356	285	69
25	150	73	102	106	124	80	56	715	385	357	285	69
26	179	65	101	106	124	86	56	708	333	357	285	109
27	179	58	101	106	124	86	56	581	282	357	285	195
28	180	58	101	106	118	86	56	581	252	356	285	269
29	181	58	101	106	---	86	69	581	228	365	284	293
30	180	59	101	106	---	86	91	581	229	378	283	303
31	180	---	134	106	---	86	---	485	---	376	282	---
TOTAL	5366	2997	2694	3131	3148	2675	1895	11242	10252	10714	9521	8120
MEAN	173	99.9	86.9	101	112	86.3	63.2	363	342	346	307	271
AC-FT	10640	5940	5340	6210	6240	5310	3760	22300	20330	21250	18880	16110
MAX	349	181	134	156	124	115	104	715	647	420	376	349
MIN	78	58	58	77	106	70	55	91	228	248	201	69
CAL YR 1993 TOTAL		50820	MEAN	139	MAX	567	MIN	47	AC-FT	100800		
WTR YR 1994 TOTAL		71755	MEAN	197	MAX	715	MIN	55	AC-FT	142300		

MAX DISCH 794 CFS AT 1500 25-MAY-1994 GH 3.46 FT. SHIFT -0.08 FT. MAX GH 3.46 FT. AT 1500 25-MAY-1994



PLATTE RIVER BASIN

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

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

**DRAINAGE AREA.**--127 mi².

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

**REMARKS.**--The primary record is taken from the hourly satellite data and is complete. The record is reliable; it was found to agree to within 0.02 ft. with the satellite data. Record is complete. Record is good. Record is developed by Robert E. Cooper.

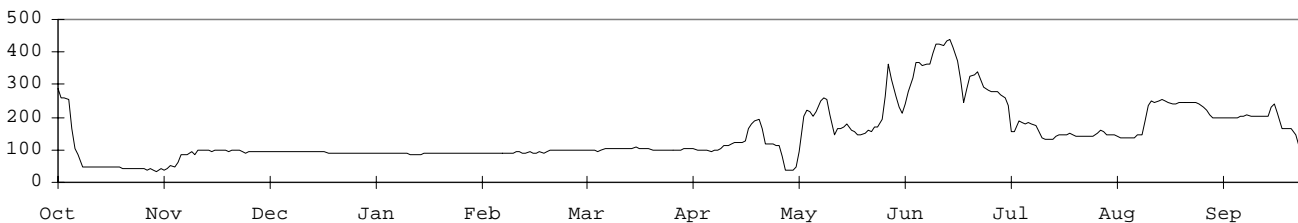
**RATING TABLE.**--PLAGRAC011 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	288	38	94	90	90	99	101	79	361	279	149	231
2	258	43	93	90	91	97	104	38	317	276	160	222
3	258	51	95	90	90	97	105	39	266	277	155	206
4	257	48	96	90	88	99	106	39	232	267	144	200
5	166	63	96	90	88	99	103	49	213	260	147	198
6	103	85	92	90	88	99	98	94	239	234	144	197
7	84	86	92	90	88	98	100	205	276	158	140	198
8	48	85	92	90	88	92	99	221	323	155	139	198
9	48	96	93	90	88	101	99	216	367	188	139	199
10	47	84	94	90	89	104	95	203	369	184	136	200
11	46	100	94	88	91	104	100	219	360	181	138	199
12	47	101	95	87	93	105	100	252	365	182	137	202
13	46	100	93	87	92	104	106	260	361	179	144	203
14	45	100	93	85	90	104	111	254	397	176	144	209
15	45	96	92	87	90	104	111	206	423	155	189	203
16	45	97	93	88	92	104	117	144	424	138	236	203
17	45	97	93	88	90	102	122	166	422	134	248	203
18	47	98	92	88	91	104	122	164	435	131	244	201
19	45	98	90	88	92	107	125	170	440	130	252	203
20	44	96	90	88	91	106	129	180	417	140	253	204
21	42	97	90	88	96	102	165	162	374	148	248	233
22	44	98	90	88	99	103	181	155	318	144	244	242
23	43	97	90	88	99	103	191	144	243	146	242	214
24	42	95	90	88	99	101	195	144	288	149	241	166
25	42	91	90	88	99	100	165	149	325	145	243	165
26	42	93	89	88	99	99	120	162	332	143	244	164
27	36	94	90	88	99	98	116	158	339	143	244	163
28	42	96	90	88	99	99	116	169	315	143	244	146
29	37	96	90	88	---	100	115	172	291	143	245	115
30	33	96	90	88	---	99	115	194	285	142	244	78
31	42	---	89	88	---	100	---	262	---	141	242	---
TOTAL	2457	2615	2850	2742	2589	3133	3632	5069	10117	5411	6119	5765
MEAN	79.3	87.2	91.9	88.5	92.5	101	121	164	337	175	197	192
AC-FT	4870	5190	5650	5440	5140	6210	7200	10050	20070	10730	12140	11430
MAX	288	101	96	90	99	107	195	262	440	279	253	242
MIN	33	38	89	85	88	92	95	38	213	130	136	78

CAL YR 1993 TOTAL 81898 MEAN 224 MAX 646 MIN 22 AC-FT 162400  
WTR YR 1994 TOTAL 52499 MEAN 144 MAX 440 MIN 33 AC-FT 104100

MAX DISCH 458 CFS AT 2300 31-MAY-1994 GH 1.70 FT. SHIFT -0.01 FT. MAX GH 1.70 FT. AT 2300 31-MAY-1994





PLATTE RIVER BASIN

06707500 SOUTH PLATTE RIVER AT SOUTH PLATTE, CO

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

**DRAINAGE AREA.**--2,579 mi<sup>2</sup>.

**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.**--Record is taken from hourly satellite readings. Daily mean gage heights taken from the chart were used Dec. 23-28, 1993; Feb. 20-28; Mar. 1, 1994 when satellite data was missing. Record is complete and reliable. The record is good for open water conditions. Winter period estimates are fair. Station is maintained and records developed by Robert Cooper.

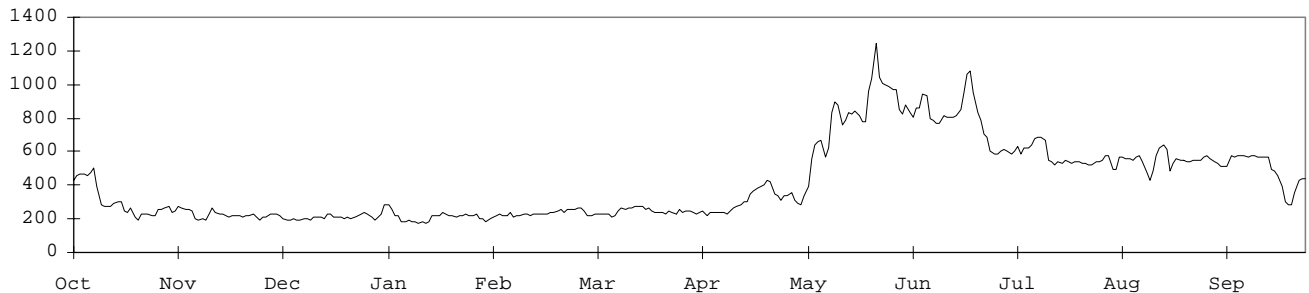
**RATING TABLE.**--PLASPLCO14 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	432	279	220	284	201	244	251	356	969	586	553	578
2	456	261	205	281	215	222	241	307	850	602	581	560
3	463	253	194	258	224	224	229	293	822	615	579	539
4	463	258	192	219	232	231	238	288	881	600	494	527
5	460	251	201	224	221	232	243	338	834	589	491	516
6	478	204	192	185	223	229	224	394	801	601	570	511
7	500	194	195	179	238	227	242	557	860	631	564	514
8	394	198	202	195	210	226	242	639	860	587	560	574
9	288	192	198	185	224	210	242	661	947	626	554	571
10	277	230	194	182	224	217	240	671	932	624	551	574
11	272	262	207	177	229	247	241	571	793	640	569	573
12	270	241	213	182	228	261	231	621	783	677	572	577
13	297	232	206	178	222	255	250	829	770	686	543	571
14	300	232	198	187	230	261	267	893	770	686	477	575
15	299	216	233	218	226	268	279	880	817	669	430	574
16	245	215	225	223	223	272	281	757	808	550	485	569
17	240	220	209	219	232	275	300	789	802	536	573	570
18	269	224	210	242	233	278	306	831	806	526	622	563
19	212	223	215	227	242	256	350	820	816	536	636	563
20	189	213	201	220	242	263	369	840	849	533	616	498
21	230	218	210	218	250	244	383	810	954	553	486	483
22	226	223	204	213	255	241	391	776	1060	539	528	462
23	226	225	208	219	242	240	403	779	1080	534	558	396
24	223	210	217	224	255	234	426	960	951	541	549	300
25	220	193	231	225	255	230	420	1030	829	541	547	285
26	260	212	241	223	258	250	349	1240	791	533	542	281
27	259	208	227	224	264	240	336	1040	703	527	543	358
28	264	225	212	230	267	231	313	1010	682	522	552	430
29	272	225	192	198	---	252	336	993	601	521	552	439
30	240	230	213	199	---	234	342	992	590	544	553	436
31	248	---	231	183	---	246	---	974	---	542	564	---
TOTAL	9472	6767	6496	6621	6569	7540	8965	22939	25011	17997	16994	14967
MEAN	306	226	210	214	235	243	299	740	834	581	548	499
AC-FT	18790	13420	12880	13130	13030	14960	17780	45500	49610	35700	33710	29690
MAX	500	279	241	284	267	278	426	1240	1080	686	636	578
MIN	189	192	192	177	201	210	224	288	590	521	430	281

CAL YR 1993 TOTAL 159611 MEAN 437 MAX 1160 MIN 180 AC-FT 316600  
WTR YR 1994 TOTAL 150338 MEAN 412 MAX 1240 MIN 177 AC-FT 298200

MAX DISCH 1310 CFS AT 1300 26-MAY-1994 GH 4.37 FT. SHIFT -0.07 FT. MAX GH 4.37 FT. AT 1300 26-MAY-1994



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.--Record complete, reliable and good. The satellite record is the primary record. Flow past the gaging station is controlled by releases from Strontia Springs Reservoir approximately 1500 feet upstream. Station maintained and records developed by Rodger L. Burcher.

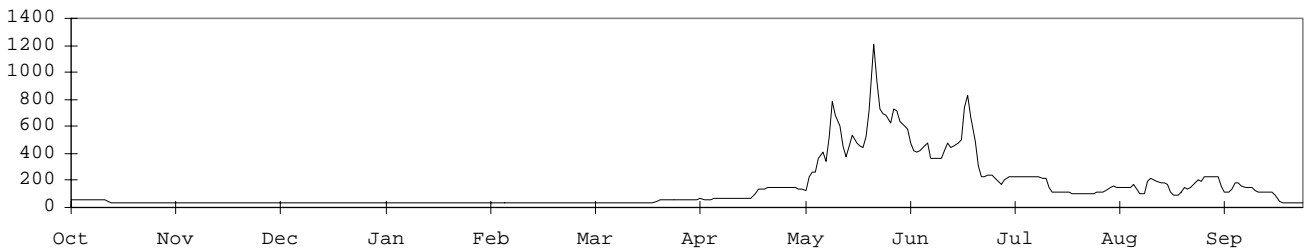
RATING TABLE.--PLASTRC001 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	33	30	32	33	34	58	148	724	214	110	233
2	55	33	30	33	33	35	58	145	720	188	112	232
3	55	33	30	33	33	34	58	143	641	174	129	231
4	56	32	31	33	33	35	59	142	613	204	151	229
5	56	32	32	33	33	35	72	142	582	226	154	227
6	56	32	31	33	33	35	60	125	480	226	144	159
7	57	32	31	33	33	35	60	227	416	227	143	117
8	56	32	30	33	33	35	62	262	415	227	144	118
9	56	32	31	33	33	35	65	264	416	226	143	141
10	55	32	31	32	33	35	65	364	459	225	144	177
11	55	32	31	32	33	35	67	406	475	225	173	177
12	43	33	31	33	33	36	67	336	368	224	142	163
13	34	32	31	33	33	35	67	526	360	223	99	147
14	34	32	31	33	33	35	66	785	359	222	99	148
15	33	32	31	32	33	36	64	688	361	221	192	148
16	34	31	32	33	33	36	64	603	425	218	221	130
17	34	31	32	32	33	36	64	452	479	152	207	117
18	34	32	32	32	33	36	64	371	441	116	193	117
19	34	32	32	32	33	33	65	455	458	112	182	114
20	34	31	32	32	33	32	63	531	480	111	184	113
21	33	31	32	33	33	34	105	481	499	110	168	113
22	33	31	32	33	33	30	142	450	744	109	115	88
23	33	31	32	33	33	50	142	439	829	109	96	47
24	33	32	31	33	33	61	142	525	667	107	94	33
25	33	31	32	33	34	60	143	716	485	107	116	33
26	33	31	33	33	34	58	143	1210	309	106	143	33
27	33	31	33	33	34	58	143	929	232	105	142	33
28	33	31	32	33	36	58	144	724	233	106	143	33
29	33	30	32	33	---	58	147	693	234	107	186	33
30	33	30	32	33	---	58	147	685	236	108	200	33
31	33	---	32	33	---	58	---	626	---	109	197	---
TOTAL	1289	950	975	1015	930	1281	2666	14593	14140	5144	4666	3717
MEAN	41.6	31.7	31.5	32.7	33.2	41.3	88.9	471	471	166	151	124
AC-FT	2560	1880	1930	2010	1840	2540	5290	28950	28050	10200	9260	7370
MAX	57	33	33	33	36	61	147	1210	829	227	221	233
MIN	33	30	30	32	33	30	58	125	232	105	94	33

CAL YR 1993 TOTAL 56526 MEAN 155 MAX 802 MIN 29 AC-FT 112100  
WTR YR 1994 TOTAL 51366 MEAN 141 MAX 1210 MIN 30 AC-FT 101900

MAX DISCH 1282 CFS AT 0730 26-MAY-1994 GH 5.45 FT. SHIFT 0.07 FT. MAX GH 5.45 FT. AT 0730 26-MAY-1994



PLATTE RIVER BASIN

06708000 SOUTH PLATTE RIVER AT WATERTON, CO

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

**DRAINAGE AREA.**--2,621 mi<sup>2</sup>.

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

**REMARKS.**--The record is complete and reliable except for the winter period of missing record. Period of missing record is: Jan. 11-Mar. 14, 1994. The stage-discharge relation was affected by ice on Dec. 14-15, 17-26, 29-31; Jan. 1, 7-10, 1994. The satellite record is the primary record. The record is rated good except for the period of missing record and periods of ice affect which are rated as poor. Station maintained and records developed by Rodger L. Burcher.

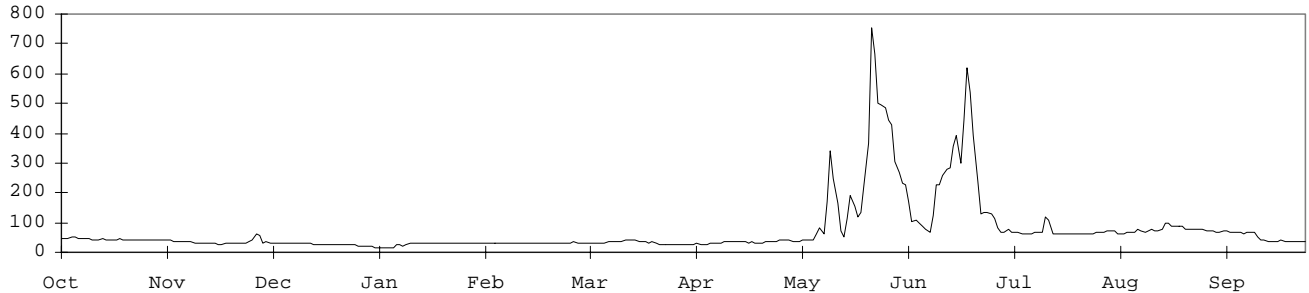
**RATING TABLE.**--PLAWATCO08 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	42	32	18	33	32	26	41	428	113	65	73
2	48	39	32	18	31	33	25	40	305	84	65	72
3	49	37	31	18	31	33	25	38	267	69	70	70
4	50	37	32	18	31	33	26	37	233	69	70	68
5	50	37	32	18	31	33	33	37	228	75	72	67
6	49	38	32	18	33	33	26	40	172	66	62	71
7	47	37	31	26	33	33	26	43	105	65	63	72
8	47	35	31	24	32	33	28	39	108	65	64	68
9	44	31	31	23	32	33	31	39	96	64	65	66
10	39	31	31	25	32	34	32	60	88	60	66	67
11	39	31	31	30	32	35	31	81	77	63	65	65
12	41	29	31	30	32	36	32	61	67	64	78	64
13	45	29	31	29	32	37	37	168	123	65	72	65
14	43	31	26	33	31	38	38	342	227	65	67	65
15	43	31	25	33	32	41	37	249	228	67	74	65
16	39	28	25	33	32	41	35	165	256	118	77	53
17	39	28	25	32	32	40	34	74	277	109	72	41
18	46	29	25	32	32	40	34	53	285	63	71	41
19	39	29	25	32	32	37	34	114	357	63	75	38
20	42	29	25	32	32	35	32	193	394	63	96	34
21	42	29	25	32	32	36	34	153	300	63	96	34
22	41	31	25	33	32	30	31	118	446	63	90	36
23	41	31	25	33	32	36	30	133	620	63	90	43
24	41	32	25	33	32	29	30	228	537	63	87	37
25	40	34	25	33	33	28	35	368	391	63	88	36
26	39	42	24	33	33	28	35	754	236	63	80	36
27	39	62	22	33	33	27	34	664	129	62	80	35
28	40	56	21	33	35	27	35	501	132	62	78	35
29	41	32	20	33	---	28	41	496	133	61	80	34
30	41	34	20	33	---	26	40	483	130	62	75	34
31	39	---	20	33	---	26	---	446	---	65	75	---
TOTAL	1331	1041	836	884	900	1031	967	6258	7375	2160	2328	1585
MEAN	42.9	34.7	27.0	28.5	32.1	33.3	32.2	202	246	69.7	75.1	52.8
AC-FT	2640	2060	1660	1750	1790	2040	1920	12410	14630	4280	4620	3140
MAX	50	62	32	33	35	41	41	754	620	118	96	73
MIN	39	28	20	18	31	26	25	37	67	60	62	34

CAL YR 1993 TOTAL 24702 MEAN 67.7 MAX 500 MIN 20 AC-FT 49000  
WTR YR 1994 TOTAL 26696 MEAN 73.1 MAX 754 MIN 18 AC-FT 52950

MAX DISCH 943 CFS AT 0100 26-MAY-1994 GH 2.47 FT. SHIFT 0.00 FT. MAX GH 2.47 FT. AT 0100 26-MAY-1994



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 mi<sup>2</sup>.

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

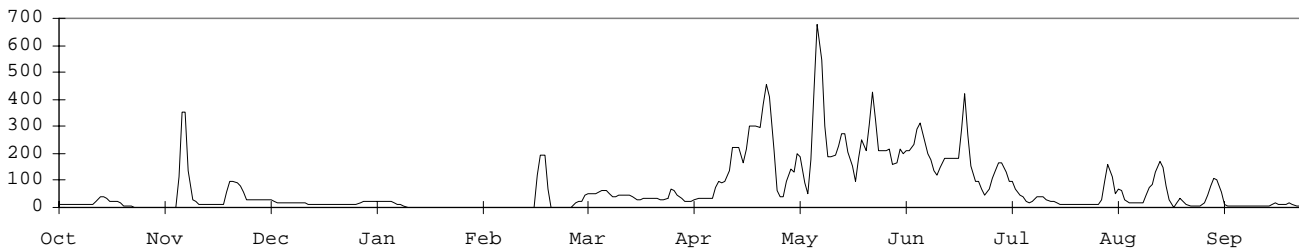
REMARKS.--Record is complete, reliable and good. The satellite record is the primary record with the recorder chart as back-up. Station maintained and records developed by Rodger L. Burcher.

RATING TABLE.--PLACHACO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	0.48	26	22	0.18	19	33	42	215	108	14	19
2	8.9	0.48	26	23	0.17	23	22	96	158	139	27	46
3	8.9	0.46	22	22	0.18	20	22	141	164	165	94	77
4	8.9	0.47	15	22	0.17	47	22	129	218	164	159	107
5	8.9	116	15	22	0.17	52	29	199	198	131	116	105
6	8.9	354	15	22	0.16	52	35	186	210	98	52	57
7	8.9	353	15	16	0.16	52	35	91	210	98	66	13
8	8.9	136	15	11	0.16	57	35	53	234	71	63	7.5
9	8.9	29	15	11	0.16	63	35	174	293	48	29	7.5
10	8.9	24	15	6.2	0.16	62	35	437	311	40	15	7.6
11	8.9	14	15	1.5	0.17	52	73	677	269	21	15	7.8
12	22	14	15	1.5	0.17	42	94	547	199	16	15	7.8
13	39	13	14	1.6	0.16	42	92	300	175	25	15	7.8
14	40	14	14	1.6	0.16	43	94	190	138	41	15	7.8
15	32	13	14	1.6	0.16	45	136	190	122	41	44	7.8
16	22	13	14	1.6	0.16	45	224	192	150	41	72	7.8
17	22	13	14	1.4	0.16	45	224	229	183	31	83	7.8
18	22	13	14	1.4	118	39	224	272	183	22	129	7.6
19	16	58	14	0.72	192	28	165	272	183	22	171	7.8
20	8.5	98	14	0.14	192	28	214	207	183	19	146	7.8
21	8.5	98	14	0.37	66	32	299	156	182	14	78	11
22	5.6	90	14	0.78	1.3	36	299	98	291	14	27	15
23	0.81	78	14	0.75	1.1	36	299	180	421	14	0.97	14
24	0.66	59	14	0.73	0.81	36	298	249	269	14	17	14
25	0.65	26	14	0.59	0.73	32	379	211	151	14	36	14
26	0.65	26	14	0.50	0.61	28	457	309	98	14	25	15
27	0.55	26	14	0.32	0.55	28	408	425	98	14	10	12
28	0.51	26	17	0.21	0.55	35	209	327	71	14	6.6	6.9
29	0.54	26	22	0.19	---	69	63	211	47	14	6.3	6.9
30	0.47	26	22	0.18	---	63	41	211	66	14	4.3	6.9
31	0.46	---	22	0.18	---	43	---	212	---	14	3.6	---
TOTAL	340.80	1757.89	502	195.06	576.47	1294	4595	7213	5690	1495	1554.77	640.1
MEAN	11.0	58.6	16.2	6.29	20.6	41.7	153	233	190	48.2	50.2	21.3
AC-FT	676	3490	996	387	1140	2570	9110	14310	11290	2970	3080	1270
MAX	40	354	26	23	192	69	457	677	421	165	171	107
MIN	0.46	0.46	14	0.14	0.16	19	22	42	47	14	0.97	6.9
CAL YR 1993 TOTAL	24495.94	MEAN	67.1	MAX	434	MIN	0.37	AC-FT	48590			
WTR YR 1994 TOTAL	25854.09	MEAN	70.8	MAX	677	MIN	0.14	AC-FT	51280			

MAX DISCH 735 CFS AT 1400 11-MAY-1994 GH 3.52 FT. SHIFT 0.03 FT. MAX GH 3.52 FT. AT 1400 11-MAY-1994



## PLATTE RIVER BASIN

06710500 BEAR CREEK AT MORRISON, CO

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

**DRAINAGE AREA.**--164 mi<sup>2</sup>.

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

**REMARKS.**--The record is complete and reliable with the exception of the period of no record caused by frozen stilling well and control, Dec. 8-31, 1993-Mar. 7, 1994, which is considered poor. The stage-discharge relation was affected by ice on Nov. 15-30; Dec. 1-7, 1993; Mar. 8-23, 27-31, 1994. The satellite record is the primary record. Chart values were used for Mar. 26; Apr. 10, 12, 14, 19, 25, 28; May. 2; Jun. 22; Jul. 15-17, 20; Aug. 15-17, 20-23; Sep. 1-6, 28, 1994. Record is rated as poor for periods of ice effect and missing record and rated as good for the period of reliable record. Station maintained and records developed by Rodger L. Burcher.

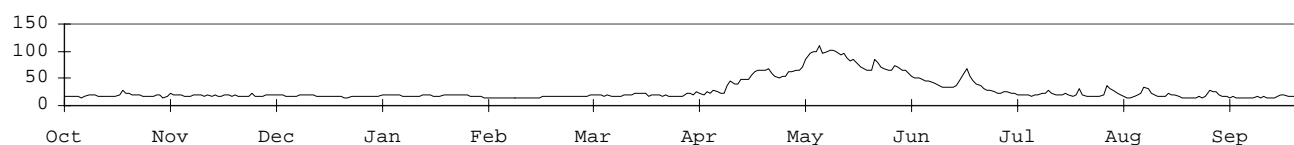
**RATING TABLE.**--BCRMORCO18 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	23	19	18	15	18	22	61	75	24	20	28
2	17	19	20	19	15	18	24	62	70	24	36	26
3	17	19	20	19	14	18	21	65	66	26	30	25
4	16	19	20	19	14	19	26	64	66	26	27	20
5	16	18	18	20	15	19	24	71	60	23	23	18
6	15	17	17	21	15	19	20	84	55	23	21	16
7	16	18	16	19	15	20	25	97	52	21	17	15
8	19	20	18	18	15	18	24	100	50	21	15	16
9	20	20	20	18	14	19	27	100	47	21	15	15
10	20	20	20	17	13	18	25	111	46	20	16	15
11	18	17	21	17	14	17	23	97	44	18	19	15
12	18	19	19	18	14	18	22	98	43	21	24	15
13	17	18	19	18	14	16	37	103	41	21	33	15
14	17	19	18	19	14	21	44	103	38	23	32	15
15	17	16	18	19	15	21	41	98	35	24	23	16
16	17	18	17	19	15	21	40	93	33	29	19	15
17	19	20	17	18	15	22	47	96	33	24	18	16
18	28	20	16	18	16	22	48	87	34	21	17	15
19	23	18	18	18	16	22	49	82	37	19	18	14
20	22	19	17	19	17	22	58	84	44	20	23	15
21	20	16	16	19	17	17	61	77	60	22	20	18
22	19	17	15	20	17	19	64	72	67	19	19	21
23	19	18	15	20	17	19	64	69	53	16	17	19
24	18	16	16	20	16	19	66	64	45	20	15	17
25	17	22	16	20	16	17	67	66	40	31	14	16
26	18	16	16	19	16	19	59	86	36	20	14	16
27	16	17	17	19	17	16	53	79	31	18	13	15
28	19	18	17	18	18	16	52	72	29	17	13	14
29	21	19	17	17	---	18	55	67	27	17	16	14
30	15	19	16	16	---	17	55	64	26	16	15	14
31	18	---	18	16	---	18	---	65	---	16	16	---
TOTAL	569	555	547	575	429	583	1243	2537	1383	661	618	509
MEAN	18.4	18.5	17.6	18.5	15.3	18.8	41.4	81.8	46.1	21.3	19.9	17.0
AC-FT	1130	1100	1080	1140	851	1160	2470	5030	2740	1310	1230	1010
MAX	28	23	21	21	18	22	67	111	75	31	36	28
MIN	15	16	15	16	13	16	20	61	26	16	13	14

CAL YR 1993 TOTAL 10007 MEAN 27.4 MAX 112 MIN 12 AC-FT 19850  
WTR YR 1994 TOTAL 10209 MEAN 28.0 MAX 111 MIN 13 AC-FT 20250

MAX DISCH 127 CFS AT 0345 10-MAY-1994 GH 4.82 FT. SHIFT -0.07 FT. MAX GH 4.82 FT. AT 0345 10-MAY-1994



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.**--260 mi².

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

**REMARKS.**--The record is complete and reliable. The stage-discharge relation was affected by ice on Dec. 17-25, 1993; Jan. 7, 10-11, 18, 27-28, 30-31; Feb. 1-6, 9, 11-15, 17-18, 22-23, 1994. The satellite record is the primary record. Due to incomplete DCP transmissions, the following chart values were used: Apr. 16, 18; Jul. 15; Aug. 11, 13, 15-16, 1994. Record is rated as good. Station maintained and records developed by Rodger L. Burcher.

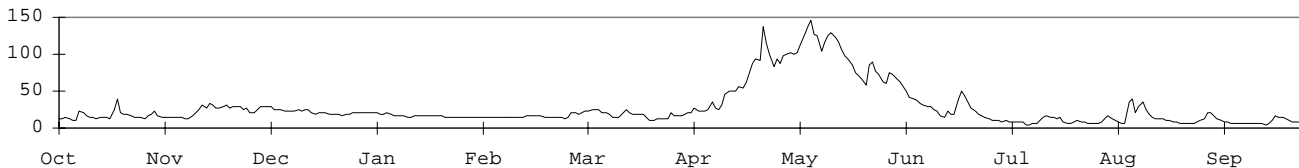
**RATING TABLE.**--BCRSHECO31 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	15	29	20	15	20	16	97	74	10	6.5	13
2	13	15	29	20	15	19	18	101	72	9.5	7.9	20
3	14	15	26	19	15	20	20	103	67	9.6	13	21
4	13	15	24	19	15	22	20	100	62	8.7	16	17
5	10	15	24	20	15	23	27	103	56	9.4	12	13
6	11	14	22	19	15	26	22	112	49	8.6	10	10
7	22	13	22	17	15	26	22	127	42	8.8	8.0	8.6
8	21	13	22	16	15	24	23	138	40	9.1	5.8	7.8
9	16	17	23	17	15	21	25	145	37	8.9	6.5	6.7
10	15	21	24	16	14	20	35	128	34	7.3	36	6.3
11	14	25	23	15	15	19	28	125	32	5.2	39	7.1
12	13	31	25	14	15	15	24	104	30	4.9	20	6.8
13	15	28	24	16	15	14	31	116	29	5.4	29	6.8
14	15	34	21	16	15	15	46	125	26	6.4	35	5.7
15	14	32	19	16	16	21	51	130	22	9.5	24	6.4
16	13	28	20	16	17	24	50	123	17	14	18	6.7
17	25	27	20	16	17	20	49	116	15	17	14	6.1
18	40	29	20	16	17	19	56	106	23	14	13	5.7
19	21	32	18	16	17	18	54	98	18	15	12	5.0
20	18	28	18	16	15	18	62	94	19	13	12	6.8
21	18	29	18	16	15	18	74	86	39	14	10	10
22	17	29	18	14	15	14	88	76	51	8.7	10	17
23	15	29	17	14	14	11	94	71	44	6.5	9.1	15
24	15	26	18	14	14	11	92	67	35	6.3	8.0	14
25	14	28	18	14	14	12	138	59	28	9.0	7.1	12
26	12	20	20	14	13	12	114	86	22	9.6	6.3	9.5
27	17	21	21	15	15	13	99	89	18	9.3	6.9	7.6
28	18	25	21	15	21	13	84	78	17	7.6	6.4	8.3
29	22	29	21	14	---	20	94	72	15	6.7	6.8	7.8
30	17	30	21	15	---	17	88	62	12	5.4	7.6	9.1
31	15	---	21	15	---	16	---	61	---	5.4	10	---
TOTAL	516	713	667	500	429	561	1644	3098	1045	282.8	425.9	296.8
MEAN	16.6	23.8	21.5	16.1	15.3	18.1	54.8	99.9	34.8	9.12	13.7	9.89
AC-FT	1020	1410	1320	992	851	1110	3260	6140	2070	561	845	589
MAX	40	34	29	20	21	26	138	145	74	17	39	21
MIN	10	13	17	14	13	11	16	59	12	4.9	5.8	5.0

CAL YR 1993 TOTAL 10743.5 MEAN 29.4 MAX 152 MIN 5.9 AC-FT 21310  
WTR YR 1994 TOTAL 10178.5 MEAN 27.9 MAX 145 MIN 4.9 AC-FT 20190

MAX DISCH 480 CFS AT 2215 10-AUG-1994 GH 4.37 FT. SHIFT -0.07 FT. MAX GH 4.37 FT. AT 2215 10-AUG-1994



## 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.**--3,861 mi<sup>2</sup>.

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

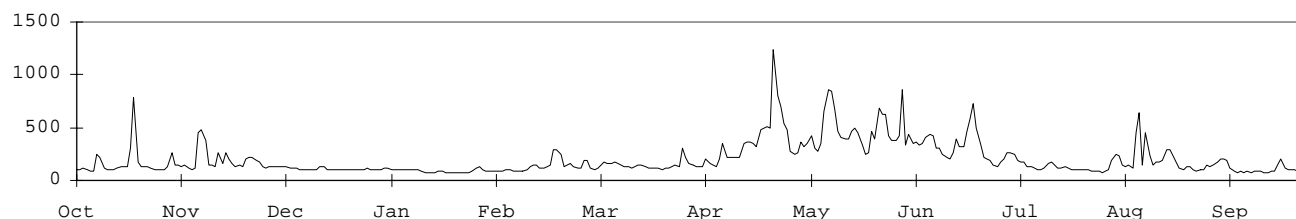
**REMARKS.**--The record is complete and reliable. The satellite record is the primary record. The following chart gage heights were entered into the daily means: July 15-17, 1994. Record is considered good. Station maintained and records developed by Rodger L. Burcher.

**RATING TABLE.**--PLADENCO29 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	131	128	111	87	187	147	254	422	173	90	136
2	109	143	128	108	87	119	132	256	858	211	98	150
3	110	111	120	107	91	106	133	362	335	258	195	169
4	102	106	113	107	94	119	126	319	430	262	254	200
5	91	116	110	105	100	139	208	350	355	248	240	211
6	82	447	105	104	100	168	159	419	361	190	143	189
7	241	475	102	101	89	159	141	308	339	178	125	117
8	225	379	104	95	88	164	129	272	347	182	145	93
9	112	145	104	97	82	168	199	351	411	137	115	79
10	107	140	106	97	88	155	344	662	438	130	458	81
11	105	130	106	83	99	151	217	866	421	117	638	79
12	100	264	124	79	125	134	212	846	302	100	152	81
13	116	160	131	75	146	134	212	667	301	95	449	75
14	129	256	106	75	141	123	218	469	249	120	240	81
15	128	208	99	78	116	136	224	409	215	165	151	85
16	124	159	104	91	115	144	349	398	211	169	172	82
17	299	137	104	85	124	141	357	396	268	147	170	79
18	790	143	95	74	152	138	363	459	396	112	191	78
19	180	137	98	75	297	121	348	493	316	111	293	87
20	138	208	101	76	290	120	325	453	315	134	298	81
21	125	215	95	76	246	120	482	329	472	123	230	149
22	125	217	95	72	134	115	498	253	577	102	169	197
23	115	196	95	73	140	108	505	259	721	104	119	120
24	98	180	98	75	156	112	492	462	491	95	104	103
25	99	132	106	74	129	110	1240	388	330	96	128	102
26	102	115	112	84	120	127	804	685	221	103	128	95
27	103	129	108	116	119	142	699	633	210	98	98	94
28	136	130	104	129	190	124	542	627	194	88	93	93
29	259	134	106	101	---	310	477	418	151	91	103	81
30	142	134	106	91	---	214	276	374	137	83	95	84
31	139	---	113	81	---	153	---	379	---	78	152	---
TOTAL	4838	5577	3326	2795	3745	4461	10558	13816	10794	4300	6036	3351
MEAN	156	186	107	90.2	134	144	352	446	360	139	195	112
AC-FT	9600	11060	6600	5540	7430	8850	20940	27400	21410	8530	11970	6650
MAX	790	475	131	129	297	310	1240	866	858	262	638	211
MIN	82	106	95	72	82	106	126	253	137	78	90	75
CAL YR 1993 TOTAL		74344	MEAN	204	MAX	1140	MIN	71	AC-FT	147500		
WTR YR 1994 TOTAL		73597	MEAN	202	MAX	1240	MIN	72	AC-FT	146000		

MAX DISCH 5459 CFS AT 2315 10-AUG-1994 GH 7.92 FT. SHIFT -0.90 FT. MAX GH 7.92 FT. AT 2315 10-AUG-1994



PLATTE RIVER BASIN

06716500 CLEAR CREEK NEAR LAWSON, CO (1991)

**LOCATION.**--Lat 39°45'57", long 105°37'32", in NW¼NW¼ sec. 25, T.3 S., R.74 W., Clear Creek County, on left bank at east edge of Lawson, 30 ft. downstream from private bridge, and 2.0 mi. downstream from West Fork Clear Creek.

**DRAINAGE AREA.**--147 mi².

**GAGE.**--Graphic recorder in a corrugated metal pipe shelter and well. Also equipped with an outside staff gage and Weather Bureau encoder.

**REMARKS.**--The record is complete and reliable except for Oct. 17-Nov. 20, 1990 when pen was not inking and Dec. 11, 1990-Apr. 18, 1991 when the station was closed for the winter. The stage-discharge relation was affected by ice on Nov. 29-30; Dec. 1-5, 7-9, 1990. The chart recorder is the primary record. Record is considered good except for periods of "a" and "b" record which is considered poor. Record developed by Rodger L. Burcher.

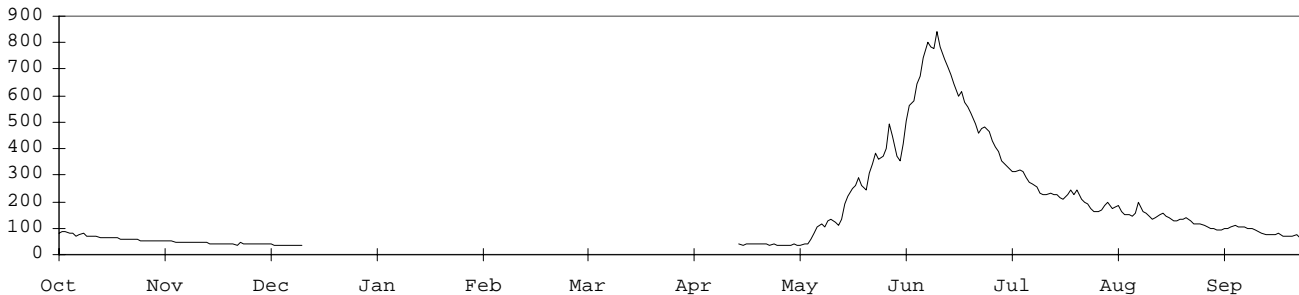
**RATING TABLE.**--CLELAWC016 USED FROM 01-OCT-1990 TO 30-SEP-1991

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	52	38	---	---	---	---	35	493	430	163	111
2	85	51	38	---	---	---	---	36	447	405	170	107
3	85	50	37	---	---	---	---	36	370	388	184	100
4	79	49	37	---	---	---	---	38	355	355	200	98
5	82	49	36	---	---	---	---	36	416	334	176	94
6	72	48	36	---	---	---	---	37	503	323	182	94
7	75	48	35	---	---	---	---	40	566	316	187	98
8	79	46	35	---	---	---	---	43	582	316	161	100
9	71	46	34	---	---	---	---	58	646	322	153	102
10	71	45	34	---	---	---	---	79	674	312	149	109
11	71	45	33	---	---	---	---	107	745	289	147	102
12	67	44	---	---	---	---	---	114	800	274	159	106
13	62	44	---	---	---	---	---	106	785	269	200	107
14	63	43	---	---	---	---	---	125	780	254	165	98
15	62	42	---	---	---	---	---	134	840	234	155	100
16	63	42	---	---	---	---	---	123	785	229	144	95
17	61	42	---	---	---	---	---	111	740	229	135	90
18	61	41	---	---	---	---	40	135	706	234	137	83
19	60	41	---	---	---	---	37	189	682	226	149	78
20	60	40	---	---	---	---	38	221	646	226	155	78
21	59	42	---	---	---	---	39	252	596	212	147	75
22	58	36	---	---	---	---	38	263	614	209	137	78
23	56	46	---	---	---	---	39	289	574	224	126	81
24	56	42	---	---	---	---	40	263	558	242	125	68
25	55	42	---	---	---	---	39	244	537	224	135	70
26	55	42	---	---	---	---	40	307	496	244	131	71
27	54	42	---	---	---	---	37	340	461	211	137	71
28	54	39	---	---	---	---	39	384	475	195	126	74
29	53	39	---	---	---	---	36	358	482	189	116	65
30	53	39	---	---	---	---	37	374	464	176	114	79
31	52	---	---	---	---	---	---	398	---	163	114	---
TOTAL	2015	1317						5275	17818	8254	4679	2682
MEAN	65.0	43.9						170	594	266	151	89.4
AC-FT	4000	2610						10460	35340	16370	9280	5320
MAX	85	52						398	840	430	200	111
MIN	52	36						35	355	163	114	65

CAL YR 1990 TOTAL 44201 MEAN 121 MAX 790 MIN 33 AC-FT 87670  
WTR YR 1991 TOTAL 42040 MEAN 115 MAX 840 MIN 35 AC-FT 83390

MAX DISCH 984 CFS AT 2045 15-JUN-1991 GH 5.74 FT. SHIFT -0.10 FT. MAX GH 5.74 FT. AT 2045 15-JUN-1991





PLATTE RIVER BASIN

06716500 CLEAR CREEK NEAR LAWSON, CO (1992)

**LOCATION.**--Lat 39°45'57", long 105°37'32", in NW¼NW¼ sec. 25, T.3 S., R.74 W., Clear Creek County, on left bank at east edge of Lawson, 30 ft. downstream from private bridge, and 2.0 mi. downstream from West Fork Clear Creek.

**DRAINAGE AREA.**--147 mi².

**GAGE.**--Graphic recorder in a corrugated metal pipe shelter and well. Also equipped with an outside staff gage and Weather Bureau encoder.

**REMARKS.**--The record is complete and reliable except for the period from Dec. 1, 1991-Apr. 29, 1992 when the station was closed for the winter. The stage-discharge relation was affected by ice on Nov. 24-25, 1991. The chart recorder is the primary record. Record is considered good except for periods of "b" record which is considered poor. Record developed by Rodger L. Burcher.

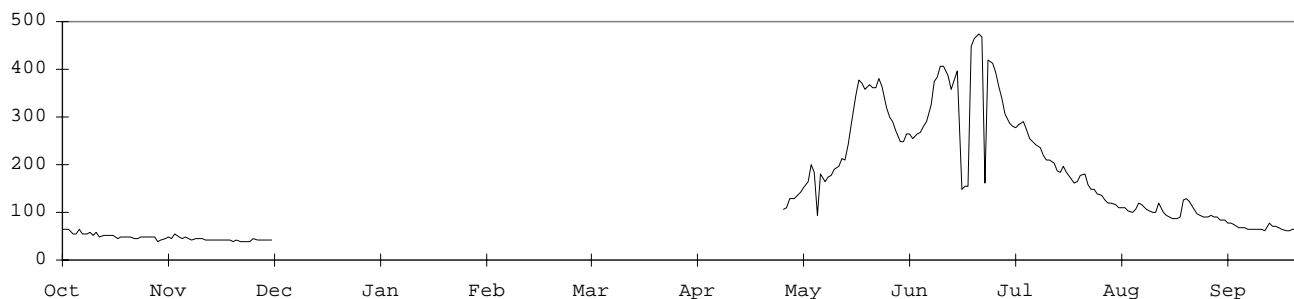
**RATING TABLE.**--CLELAWC016 USED FROM 01-OCT-1991 TO 30-SEP-1992

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	47	42	---	---	---	---	129	272	366	126	92
2	65	45	---	---	---	---	---	130	250	340	119	90
3	65	54	---	---	---	---	---	134	249	307	118	90
4	56	49	---	---	---	---	---	143	263	286	116	83
5	55	45	---	---	---	---	---	153	266	280	111	83
6	63	47	---	---	---	---	---	165	256	277	111	78
7	56	46	---	---	---	---	---	200	263	283	109	76
8	55	43	---	---	---	---	---	184	269	289	104	74
9	59	44	---	---	---	---	---	94	280	274	101	67
10	53	44	---	---	---	---	---	180	289	255	107	68
11	58	44	---	---	---	---	---	163	325	249	119	67
12	50	42	---	---	---	---	---	174	374	242	116	63
13	52	42	---	---	---	---	---	176	384	236	106	65
14	52	42	---	---	---	---	---	189	405	219	102	65
15	52	42	---	---	---	---	---	198	408	210	100	63
16	53	42	---	---	---	---	---	212	386	209	101	63
17	44	42	---	---	---	---	---	210	358	202	118	62
18	49	42	---	---	---	---	---	242	377	187	101	76
19	47	41	---	---	---	---	---	283	398	184	92	70
20	49	39	---	---	---	---	---	346	149	198	89	70
21	50	42	---	---	---	---	---	378	155	184	86	67
22	44	40	---	---	---	---	---	370	155	172	86	65
23	45	39	---	---	---	---	---	358	447	161	90	62
24	50	40	---	---	---	---	---	367	464	163	125	61
25	48	40	---	---	---	---	---	362	475	176	130	63
26	48	44	---	---	---	---	---	361	468	182	121	63
27	49	41	---	---	---	---	---	380	161	159	107	61
28	48	41	---	---	---	---	---	364	419	149	98	59
29	39	42	---	---	---	---	107	320	412	147	92	55
30	42	42	---	---	---	---	109	301	394	139	90	58
31	46	---	---	---	---	---	---	289	---	135	89	---
TOTAL	1608	1293						7555	9771	6860	3280	2079
MEAN	51.9	43.1						244	326	221	106	69.3
AC-FT	3190	2560						14990	19380	13610	6510	4120
MAX	66	54						380	475	366	130	92
MIN	39	39						94	149	135	86	55

CAL YR 1991 TOTAL	42150	MEAN	115	MAX	840	MIN	35	AC-FT	83600
WTR YR 1992 TOTAL	32446	MEAN	88.7	MAX	475	MIN	39	AC-FT	64360

MAX DISCH 489 CFS AT 2315 23-JUN-1992 GH 4.65 FT. SHIFT -0.11 FT. MAX GH 4.65 FT. AT 2315 23-JUN-1992



PLATTE RIVER BASIN

06716500 CLEAR CREEK NEAR LAWSON, CO (1993)

**LOCATION.**--Lat 39°45'57", long 105°37'32", in NW¼NW¼ sec. 25, T.3 S., R.74 W., Clear Creek County, on left bank at east edge of Lawson, 30 ft. downstream from private bridge, and 2.0 mi. downstream from West Fork Clear Creek.

**DRAINAGE AREA.**--147 mi<sup>2</sup>.

**GAGE.**--Graphic recorder in a corrugated metal pipe shelter and well. Also equipped with an outside staff gage and Weather Bureau encoder.

**REMARKS.**--The record is complete and reliable except for the period from Nov. 25, 1992-May 2, 1993 when the station was closed for the winter. The chart recorder is the primary record. Record is considered good. Record developed by Rodger L. Burcher.

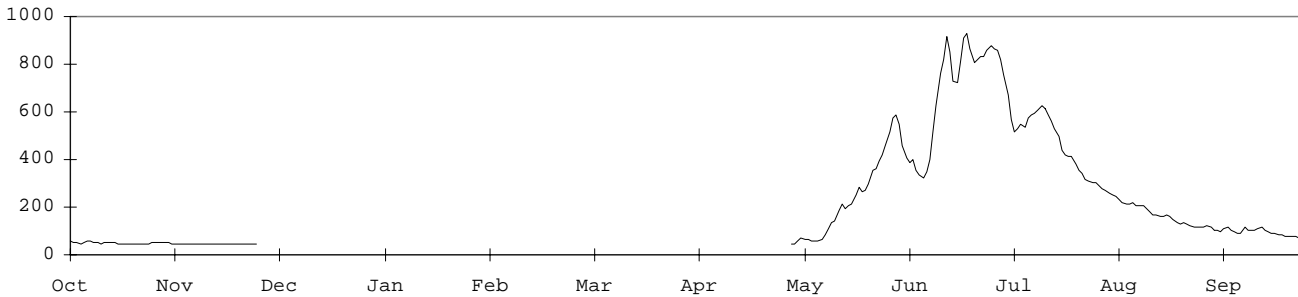
**RATING TABLE.**--CLELAWCO16 USED FROM 01-OCT-1992 TO 30-SEP-1993

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	43	---	---	---	---	---	---	574	865	292	118
2	52	46	---	---	---	---	---	46	590	860	280	121
3	51	43	---	---	---	---	---	46	546	820	271	116
4	48	43	---	---	---	---	---	56	458	755	255	101
5	50	44	---	---	---	---	---	71	408	670	249	101
6	55	45	---	---	---	---	---	66	388	566	244	98
7	55	44	---	---	---	---	---	65	402	514	234	111
8	52	45	---	---	---	---	---	60	358	530	219	116
9	53	45	---	---	---	---	---	59	334	546	212	102
10	48	47	---	---	---	---	---	56	325	538	216	95
11	53	45	---	---	---	---	---	66	349	574	219	92
12	52	44	---	---	---	---	---	81	398	590	207	89
13	50	43	---	---	---	---	---	107	514	594	204	116
14	49	44	---	---	---	---	---	134	626	606	204	106
15	47	45	---	---	---	---	---	145	760	626	193	106
16	47	44	---	---	---	---	---	184	820	614	182	106
17	45	44	---	---	---	---	---	216	915	586	170	107
18	46	43	---	---	---	---	---	195	850	562	170	114
19	47	43	---	---	---	---	---	207	730	528	163	102
20	48	43	---	---	---	---	---	214	720	496	163	96
21	47	44	---	---	---	---	---	252	815	440	165	90
22	47	44	---	---	---	---	---	286	910	422	159	89
23	46	45	---	---	---	---	---	266	930	416	149	86
24	47	46	---	---	---	---	---	274	865	416	137	82
25	51	46	---	---	---	---	---	295	805	380	132	79
26	53	---	---	---	---	---	---	352	820	352	134	79
27	50	---	---	---	---	---	---	364	835	340	132	76
28	50	---	---	---	---	---	---	395	835	313	123	76
29	51	---	---	---	---	---	---	419	855	307	119	74
30	49	---	---	---	---	---	---	458	880	301	118	72
31	48	---	---	---	---	---	---	514	---	304	116	---
TOTAL	1542								19615	16431	5831	2916
MEAN	49.7								654	530	188	97.2
AC-FT	3060								38910	32590	11570	5780
MAX	55								930	865	292	121
MIN	45								325	301	116	72

CAL YR 1992 TOTAL MEAN MAX MIN AC-FT  
WTR YR 1993 TOTAL 46335 MEAN 127 MAX 930 MIN 45 AC-FT 91910

MAX DISCH 1014 CFS AT 2345 16-JUN-1993 GH 5.76 FT. SHIFT -0.07 FT. MAX GH 5.76 FT. AT 2345 16-JUN-1993



PLATTE RIVER BASIN

06716500 CLEAR CREEK NEAR LAWSON, CO (1994)

**LOCATION.**--Lat 39°45'57", long 105°37'32", in NW¼NW¼ sec. 25, T.3 S., R.74 W., Clear Creek County, on left bank at east edge of Lawson, 30 ft. downstream from private bridge, and 2.0 mi. downstream from West Fork Clear Creek.

**DRAINAGE AREA.**--147 mi².

**GAGE.**--Graphic recorder in a corrugated metal pipe shelter and well. Also equipped with an outside staff gage and Weather Bureau encoder.

**REMARKS.**--The record is complete and reliable except for period from Nov. 4, 1993-May 6, 1994 when the station was closed for the winter. The chart recorder is the primary record. Record developed by Rodger L. Burcher.

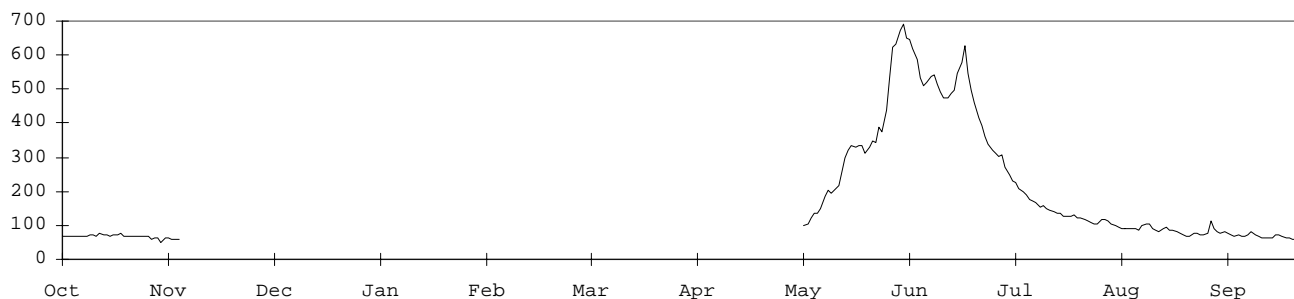
**RATING TABLE.**--CLELAWCO16 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	62	---	---	---	---	---	---	622	313	119	76
2	70	59	---	---	---	---	---	---	634	304	116	114
3	68	59	---	---	---	---	---	---	674	307	112	90
4	70	59	---	---	---	---	---	---	690	269	104	83
5	70	---	---	---	---	---	---	---	650	247	98	78
6	70	---	---	---	---	---	---	98	646	231	94	81
7	70	---	---	---	---	---	---	102	618	226	90	79
8	66	---	---	---	---	---	---	123	586	209	90	72
9	71	---	---	---	---	---	---	135	534	198	89	68
10	72	---	---	---	---	---	---	135	510	191	92	71
11	67	---	---	---	---	---	---	147	518	178	90	68
12	75	---	---	---	---	---	---	184	538	170	86	68
13	72	---	---	---	---	---	---	202	542	165	100	74
14	71	---	---	---	---	---	---	193	514	155	102	81
15	70	---	---	---	---	---	---	204	493	159	102	71
16	71	---	---	---	---	---	---	219	475	151	90	68
17	72	---	---	---	---	---	---	258	472	143	86	65
18	75	---	---	---	---	---	---	298	486	139	82	62
19	68	---	---	---	---	---	---	319	496	135	92	62
20	70	---	---	---	---	---	---	334	546	134	96	63
21	67	---	---	---	---	---	---	331	578	128	85	74
22	68	---	---	---	---	---	---	334	626	125	86	71
23	66	---	---	---	---	---	---	334	546	125	82	67
24	67	---	---	---	---	---	---	310	496	130	79	63
25	66	---	---	---	---	---	---	331	461	121	74	61
26	66	---	---	---	---	---	---	349	416	121	68	59
27	58	---	---	---	---	---	---	343	391	116	70	58
28	63	---	---	---	---	---	---	388	361	112	76	54
29	61	---	---	---	---	---	---	374	337	109	76	53
30	51	---	---	---	---	---	---	436	319	106	72	56
31	62	---	---	---	---	---	---	534	---	102	74	---
TOTAL	2103								15775	5319	2772	2110
MEAN	67.8								526	172	89.4	70.3
AC-FT	4170								31290	10550	5500	4190
MAX	75								690	313	119	114
MIN	51								319	102	68	53

CAL YR 1993 TOTAL                   MEAN                   MAX                   MIN                   AC-FT           316600  
WTR YR 1994 TOTAL           28079   MEAN           76.9   MAX           690   MIN           51   AC-FT           55690

MAX DISCH   770 CFS AT 2230 03-JUN-1994 GH   5.30 FT.   SHIFT   -0.08 FT.   MAX GH   5.30 FT. AT 2230 03-JUN-1994



PLATTE RIVER BASIN

06720000 CLEAR CREEK AT DERBY, CO

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

**DRAINAGE AREA.**--575 mi².

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

**REMARKS.**--The record is complete and reliable. The stage-discharge relation was affected by ice on Feb. 22-28; Mar. 1-3, 1994. Chart values were used on Feb. 5-7; Apr. 10; Jun. 22; Jul. 16-17, 20; Aug. 15; Sep. 21-22, 1994. The satellite record is the primary record. Station maintained and records developed by Rodger L. Burcher.

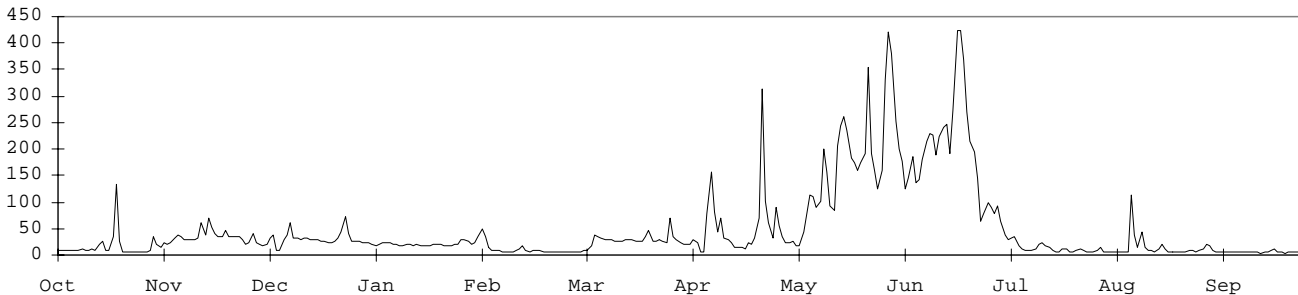
**RATING TABLE.**--CLEDERCO33 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	23	19	20	36	4.9	24	35	422	90	7.9	12
2	8.5	19	33	18	48	5.2	21	24	380	78	15	19
3	9.0	23	39	20	34	5.8	20	22	254	94	7.0	17
4	8.5	31	8.5	22	14	7.8	19	26	200	65	6.2	7.7
5	8.6	38	8.1	23	10	7.3	30	17	177	38	7.1	7.0
6	8.1	34	29	23	8.2	16	22	17	125	30	7.1	6.5
7	9.5	30	39	21	8.2	39	7.2	44	144	32	6.3	6.5
8	11	28	60	20	5.2	36	6.9	77	185	35	5.6	5.6
9	9.1	29	31	18	4.9	33	79	113	136	16	5.9	6.0
10	9.8	29	33	18	5.5	29	158	110	142	12	6.1	5.7
11	11	31	30	19	6.5	28	81	90	180	8.4	112	5.3
12	9.2	62	33	19	8.5	28	44	103	215	10	39	5.5
13	19	38	32	18	13	25	71	199	228	8.1	15	4.6
14	27	71	28	19	17	25	33	158	227	12	44	5.0
15	9.7	53	28	18	7.5	27	30	92	188	19	15	4.9
16	9.0	41	28	18	6.7	28	24	85	224	24	7.5	4.6
17	35	35	27	18	7.6	28	14	207	241	18	8.2	4.4
18	134	35	25	18	8.4	28	15	245	246	14	6.0	4.3
19	25	46	22	19	7.4	26	14	260	193	8.4	11	5.2
20	6.4	35	24	19	6.4	26	13	234	273	7.2	20	5.4
21	7.0	35	27	19	6.8	26	22	183	423	6.7	11	10
22	7.1	35	32	18	5.8	34	20	174	423	12	6.6	12
23	5.9	35	44	17	5.8	47	31	161	369	11	6.3	5.4
24	5.6	29	73	17	5.5	26	71	175	271	6.5	5.6	4.6
25	5.4	21	42	19	4.9	26	315	193	216	6.4	5.4	3.6
26	5.3	23	27	20	4.5	28	103	354	194	7.8	5.2	6.4
27	5.2	41	26	30	4.5	25	62	193	144	11	5.4	5.2
28	9.0	22	25	29	4.5	24	32	161	63	8.2	9.2	5.4
29	35	19	24	26	---	69	89	124	77	5.5	9.0	4.8
30	20	18	22	21	---	35	54	159	100	4.7	6.0	4.2
31	14	---	22	22	---	29	---	331	---	4.8	8.8	---
TOTAL	495.2	1009	940.6	626	305.3	822.0	1525.1	4366	6660	703.7	430.4	203.8
MEAN	16.0	33.6	30.3	20.2	10.9	26.5	50.8	141	222	22.7	13.9	6.79
AC-FT	982	2000	1870	1240	606	1630	3030	8660	13210	1400	854	404
MAX	134	71	73	30	48	69	315	354	423	94	112	19
MIN	5.2	18	8.1	17	4.5	4.9	6.9	17	63	4.7	5.2	3.6

CAL YR 1993 TOTAL 27034.0 MEAN 74.1 MAX 1010 MIN 5.1 AC-FT 53620  
WTR YR 1994 TOTAL 18087.1 MEAN 49.6 MAX 423 MIN 3.6 AC-FT 35880

MAX DISCH 929 CFS AT 1600 25-APR-1994 GH 3.03 FT. SHIFT 0.00 FT. MAX GH 3.03 FT. AT 1600 25-APR-1994



## 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.

**DRAINAGE AREA** --4,713 mi<sup>2</sup>.

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

**REMARKS** --The satellite record is the primary record. Record is complete and reliable. Chart values were entered into the satellite record for Jul. 15-16; Aug. 9-11, 1994. Record is rated as good. Station maintained and records developed by Rodger L. Burcher.

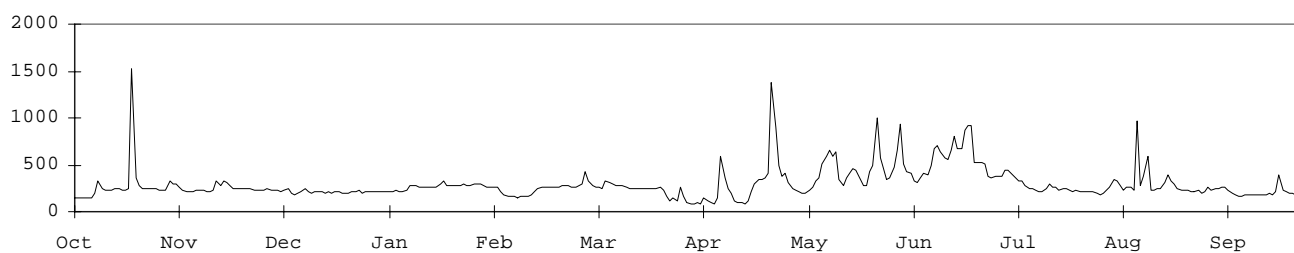
**RATING TABLE** --PLAHENCO27 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	267	220	209	267	426	85	253	657	375	197	268
2	152	233	230	207	266	330	81	237	941	377	225	237
3	149	214	239	220	261	281	91	210	516	435	255	246
4	145	205	193	224	220	264	84	203	432	437	340	252
5	147	220	186	219	174	269	141	196	404	395	325	265
6	154	225	200	209	168	254	116	232	324	355	275	269
7	192	234	210	235	167	324	91	269	309	326	224	229
8	329	226	241	277	157	309	74	332	358	331	255	193
9	242	217	205	272	154	303	142	354	408	279	265	179
10	235	205	202	274	156	282	593	515	396	252	225	166
11	230	230	205	261	157	273	354	597	499	249	970	172
12	223	320	209	259	165	274	242	663	672	227	286	184
13	238	285	221	262	183	262	204	590	706	214	375	176
14	247	332	203	266	214	247	117	646	641	219	589	174
15	229	312	205	270	251	248	106	347	573	241	232	180
16	224	275	204	268	255	249	106	286	551	303	233	188
17	250	251	206	303	255	239	80	359	660	258	244	186
18	1520	251	211	323	265	242	116	413	803	255	252	184
19	361	249	201	282	260	243	213	458	680	236	311	194
20	273	239	204	281	264	244	288	435	665	243	401	177
21	253	250	204	282	270	252	339	338	869	238	326	219
22	247	243	206	283	277	250	344	278	917	226	289	395
23	245	233	209	283	278	261	355	277	916	211	251	235
24	238	228	228	291	273	230	405	419	519	224	225	207
25	239	236	203	284	265	167	1370	493	519	220	222	195
26	232	223	209	279	269	116	905	1000	525	212	237	191
27	225	238	218	287	272	152	485	580	504	209	218	182
28	228	237	210	295	302	120	373	455	383	209	218	194
29	321	233	209	290	---	261	414	347	359	206	227	175
30	303	223	216	273	---	158	312	353	376	200	195	179
31	293	---	215	268	---	102	---	475	---	188	205	---
TOTAL	8516	7334	6522	8236	6465	7632	8626	12610	17082	8350	9092	6291
MEAN	275	244	210	266	231	246	288	407	569	269	293	210
AC-FT	16890	14550	12940	16340	12820	15140	17110	25010	33880	16560	18030	12480
MAX	1520	332	241	323	302	426	1370	1000	941	437	970	395
MIN	145	205	186	207	154	102	74	196	309	188	195	166

CAL YR 1993 TOTAL 127482 MEAN 349 MAX 2290 MIN 145 AC-FT 252900  
WTR YR 1994 TOTAL 106756 MEAN 292 MAX 1520 MIN 74 AC-FT 211800

MAX DISCH 4180 CFS AT 0430 11-AUG-1994 GH 6.84 FT. SHIFT -0.23 FT. MAX GH 6.84 FT. AT 0430 11-AUG-1994



PLATTE RIVER BASIN

06721000 SOUTH PLATTE RIVER AT FORT LUPTON, CO

LOCATION.--Lat 44°04'51", long 104°49'37", SE¼SW¼ sec 6, T.1 N., R.66 W., Weld County, on right bank on downstream side of State Highway 52 bridge.

DRAINAGE AREA.--N/A

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

REMARKS.--The record is complete for this water year and rated as fair. The satellite record is the primary record. Chart values were used on Mar. 3-4; Apr. 1-5, 19-20, 28; May 15, 28; Jun. 28; Aug. 8, 20; Sep. 7, 1994. Station maintained and records developed by Rodger L. Burcher.

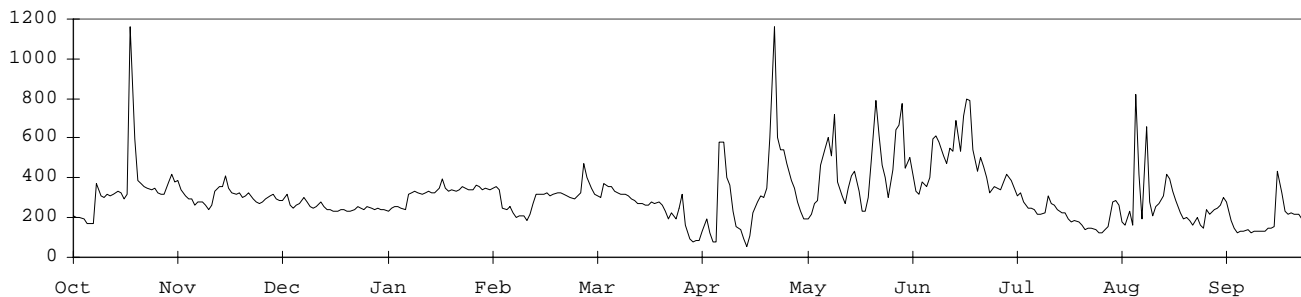
RATING TABLE.--PLALUPCO21 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	212	384	289	238	344	471	92	386	640	347	125	239
2	204	337	288	229	349	399	74	350	666	340	143	217
3	202	309	316	246	358	352	87	282	777	379	154	239
4	193	295	260	256	337	317	86	236	446	420	282	249
5	171	291	244	254	251	312	132	190	503	386	287	262
6	174	267	261	244	239	305	195	192	416	349	260	299
7	173	280	270	243	252	370	127	218	334	306	181	278
8	373	279	302	314	227	354	80	269	316	325	165	185
9	312	261	281	324	202	356	75	286	376	280	229	147
10	303	238	255	330	210	334	584	464	358	244	162	127
11	317	265	244	322	207	324	580	547	403	251	820	132
12	308	335	256	316	184	318	404	602	595	238	416	135
13	320	359	281	324	220	320	367	511	611	216	193	136
14	331	353	252	331	270	308	232	721	578	216	660	125
15	326	414	243	326	317	294	157	376	509	223	276	128
16	294	348	237	329	321	285	136	306	469	306	208	134
17	316	323	235	348	319	272	90	274	546	273	259	132
18	1160	319	236	397	325	273	55	349	534	262	273	131
19	594	322	238	350	312	263	111	414	692	240	306	144
20	389	303	240	333	319	266	221	435	533	228	417	150
21	371	308	234	337	323	281	276	333	715	227	391	156
22	353	327	234	333	324	270	306	233	794	197	332	435
23	346	297	240	343	318	278	299	231	789	179	283	327
24	339	276	252	357	310	262	351	305	542	184	227	234
25	346	272	248	345	301	235	602	488	436	178	193	220
26	329	281	242	339	297	197	1160	786	504	159	205	224
27	316	294	256	339	311	222	604	615	460	142	188	217
28	314	310	245	367	322	191	545	465	406	148	163	214
29	383	316	237	357	---	249	539	399	327	147	204	193
30	418	295	244	343	---	315	470	300	357	137	160	179
31	379	---	241	345	---	162	---	441	---	126	145	---
TOTAL	10566	9258	7901	9859	8069	9155	9037	12004	15632	7653	8307	5988
MEAN	341	309	255	318	288	295	301	387	521	247	268	200
AC-FT	20960	18360	15670	19560	16000	18160	17920	23810	31010	15180	16480	11880
MAX	1160	414	316	397	358	471	1160	786	794	420	820	435
MIN	171	238	234	229	184	162	55	190	316	126	125	125

CAL YR 1993 TOTAL 136841 MEAN 375 MAX 1890 MIN 110 AC-FT 271400  
WTR YR 1994 TOTAL 113429 MEAN 311 MAX 1160 MIN 55 AC-FT 225000

MAX DISCH 2221 CFS AT 1145 18-OCT-1993 GH 4.47 FT. SHIFT 0.28 FT. MAX GH 4.47 FT. AT 1145 18-OCT-1993



## PLATTE RIVER BASIN

SOUTH ST. VRAIN NEAR CREEK WARD, CO

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

DRAINAGE AREA.--

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

REMARKS.--Record is complete and reliable except for the following periods: Oct. 29-31; Nov. 1-4, 1993 when well was frozen; Nov. 5, 1993-May 12, 1994 when station was closed for winter; May 13, 1994 partial day record when station was opened for 1994 water year. The stage-discharge relation was affected by ice on the control on Oct. 27-28, 1993. Graphic chart record was used on Jul. 15, 20-22, 26-27; Aug. 11, 15, 1994. Record is good, except for period of no gage-height record and ice affected day, which is fair. Daily discharges above 182 cfs are also considered fair until verified by field measurements. Station maintained and record developed by Fred Renner.

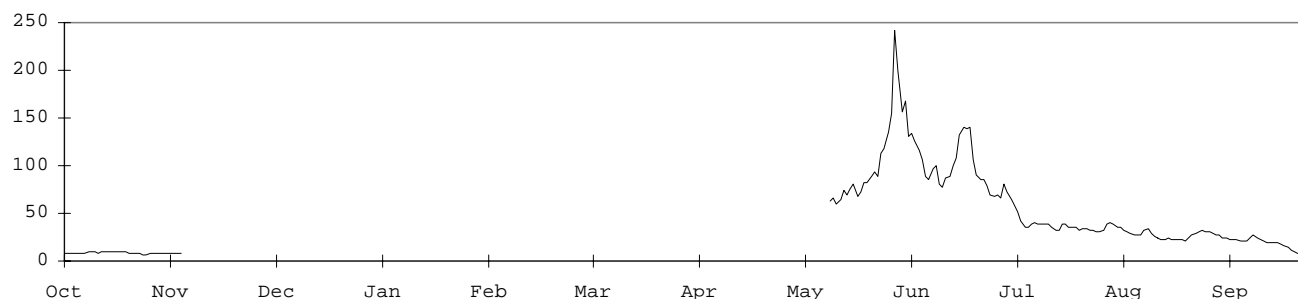
RATING TABLE.--SSVWARCO09 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	8.0	---	---	---	---	---	---	242	70	33	30
2	8.1	8.0	---	---	---	---	---	---	200	66	39	29
3	8.4	8.0	---	---	---	---	---	---	156	81	41	27
4	7.7	8.0	---	---	---	---	---	---	167	72	39	27
5	7.7	---	---	---	---	---	---	---	130	65	36	25
6	7.7	---	---	---	---	---	---	---	134	58	35	24
7	7.9	---	---	---	---	---	---	---	126	52	32	23
8	9.4	---	---	---	---	---	---	---	116	42	30	23
9	9.5	---	---	---	---	---	---	---	107	36	29	22
10	9.8	---	---	---	---	---	---	---	88	35	27	21
11	8.3	---	---	---	---	---	---	---	86	38	27	21
12	10	---	---	---	---	---	---	---	97	40	28	21
13	9.6	---	---	---	---	---	---	63	100	39	32	24
14	9.5	---	---	---	---	---	---	66	81	39	34	27
15	9.4	---	---	---	---	---	---	60	78	39	29	24
16	9.2	---	---	---	---	---	---	64	87	38	26	22
17	9.2	---	---	---	---	---	---	74	89	35	24	21
18	9.8	---	---	---	---	---	---	70	100	32	23	19
19	9.2	---	---	---	---	---	---	76	108	32	23	19
20	8.8	---	---	---	---	---	---	80	132	39	25	19
21	8.4	---	---	---	---	---	---	67	140	39	23	19
22	7.9	---	---	---	---	---	---	73	138	36	23	18
23	7.5	---	---	---	---	---	---	82	140	36	22	16
24	7.2	---	---	---	---	---	---	82	106	35	22	15
25	7.2	---	---	---	---	---	---	88	91	32	21	12
26	7.6	---	---	---	---	---	---	94	85	34	24	9.3
27	8.3	---	---	---	---	---	---	89	85	34	27	8.0
28	8.3	---	---	---	---	---	---	113	79	33	29	7.4
29	8.0	---	---	---	---	---	---	118	70	32	31	6.6
30	8.0	---	---	---	---	---	---	136	68	31	32	5.8
31	8.0	---	---	---	---	---	---	155	---	30	31	---
TOTAL	264.2								3426	1320	897	585.1
MEAN	8.52								114	42.6	28.9	19.5
AC-FT	524								6800	2620	1780	1160
MAX	10								242	81	41	30
MIN	7.2								68	30	21	5.8

CAL YR 1993 TOTAL	MEAN	MAX	MIN	AC-FT
WTR YR 1994 TOTAL	6492.3	17.8	242	12880

MAX DISCH 273 CFS AT 0645 01-JUN-1994 GH 3.03 FT. SHIFT -0.06 FT. MAX GH 3.03 FT. AT 0645 01-JUN-1994



PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--

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

REMARKS.--Record is complete and reliable except for the following periods: Nov. 2-4, 1993, when station was closed and float was iced. Nov. 5, 1993-May 11, 1994, when station was not active; May 12, 1994 partial record when station was activated and May 13, 1994 when small slab of ice in well. Record was affected by ice in the well and on the control Oct. 28-31; Nov. 1, 1993. The record is good, except for period of no gage-height record and ice effect, which is fair. Station maintained and record developed by Fred Renner.

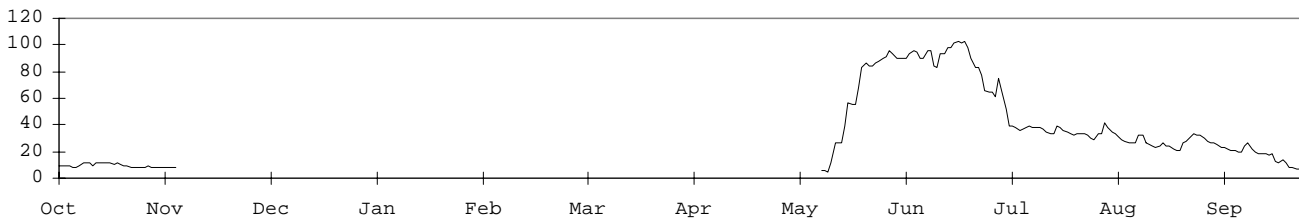
RATING TABLE.--LEFTHDCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	8.0	---	---	---	---	---	---	96	65	33	30
2	8.9	8.0	---	---	---	---	---	---	93	61	33	28
3	9.4	8.0	---	---	---	---	---	---	90	75	41	27
4	8.9	8.0	---	---	---	---	---	---	90	66	38	26
5	8.5	---	---	---	---	---	---	---	90	52	35	25
6	8.5	---	---	---	---	---	---	---	90	39	34	23
7	8.9	---	---	---	---	---	---	---	93	39	31	23
8	11	---	---	---	---	---	---	---	96	38	29	22
9	11	---	---	---	---	---	---	---	95	36	28	21
10	11	---	---	---	---	---	---	---	90	37	26	21
11	9.4	---	---	---	---	---	---	---	90	38	26	20
12	12	---	---	---	---	---	---	5.5	96	39	27	20
13	11	---	---	---	---	---	---	5.5	96	38	32	24
14	11	---	---	---	---	---	---	5.1	84	38	32	26
15	11	---	---	---	---	---	---	12	83	38	27	22
16	11	---	---	---	---	---	---	26	93	37	25	20
17	10	---	---	---	---	---	---	27	93	35	24	19
18	11	---	---	---	---	---	---	27	98	33	23	18
19	10	---	---	---	---	---	---	39	98	33	24	18
20	9.8	---	---	---	---	---	---	56	102	39	26	17
21	9.4	---	---	---	---	---	---	55	103	38	24	18
22	8.5	---	---	---	---	---	---	55	102	36	24	13
23	8.5	---	---	---	---	---	---	68	103	35	22	12
24	8.1	---	---	---	---	---	---	83	98	34	21	14
25	8.1	---	---	---	---	---	---	86	90	32	21	12
26	8.1	---	---	---	---	---	---	84	83	33	26	8.1
27	8.9	---	---	---	---	---	---	84	83	34	28	7.8
28	8.5	---	---	---	---	---	---	86	77	33	31	7.1
29	8.5	---	---	---	---	---	---	88	66	32	33	6.5
30	8.5	---	---	---	---	---	---	90	65	30	32	6.1
31	8.5	---	---	---	---	---	---	91	---	29	32	---
TOTAL	295.3								2726	1242	888	554.6
MEAN	9.53								90.9	40.1	28.6	18.5
AC-FT	586								5410	2460	1760	1100
MAX	12								103	75	41	30
MIN	8.1								65	29	21	6.1

CAL YR 1993 TOTAL MEAN MAX MIN AC-FT 1410  
WTR YR 1994 TOTAL 5705.9 MEAN 15.6 MAX 103 MIN 6.1 AC-FT 11320

MAX DISCH 105 CFS AT 0000 21-JUN-1994 GH 2.14 FT. SHIFT -0.02 FT. MAX GH 2.14 FT. AT 0000 21-JUN-1994





PLATTE RIVER BASIN

BEAVER CREEK ABOVE BEAVER RESERVOIR

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

DRAINAGE AREA.--

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

REMARKS.--Record is complete and reliable except for the following periods: Partial record on Nov. 4, 1993 when station was closed; Nov. 5, 1993-May 12, 1994 when station was closed for winter; Partial record on May 13, 1994 when station was opened. The stage-discharge relation was affected by ice on Oct. 28-30, 1993. The record is good, except for periods of no gage-height record and ice affected days, which is fair. Station maintained and record developed by Fred Renner.

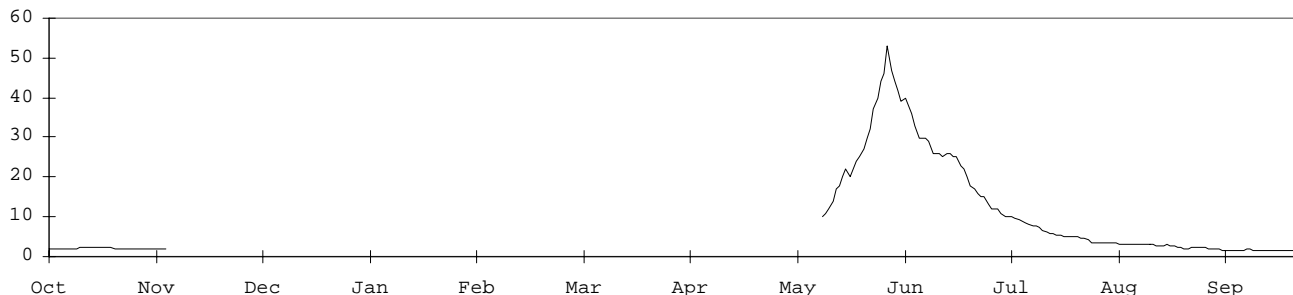
RATING TABLE.--BEAVERCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	2.0	---	---	---	---	---	---	53	12	3.5	2.2
2	2.1	2.0	---	---	---	---	---	---	47	12	3.6	2.1
3	2.1	1.9	---	---	---	---	---	---	44	12	3.6	1.9
4	2.1	1.9	---	---	---	---	---	---	42	11	3.6	1.9
5	2.1	---	---	---	---	---	---	---	39	10	3.5	1.8
6	2.1	---	---	---	---	---	---	---	40	10	3.4	1.7
7	2.1	---	---	---	---	---	---	---	38	10	3.2	1.6
8	2.1	---	---	---	---	---	---	---	36	9.7	3.1	1.5
9	2.1	---	---	---	---	---	---	---	33	9.3	3.2	1.5
10	2.2	---	---	---	---	---	---	---	30	9.0	3.2	1.5
11	2.3	---	---	---	---	---	---	---	30	8.5	3.1	1.5
12	2.5	---	---	---	---	---	---	---	30	8.3	3.1	1.5
13	2.5	---	---	---	---	---	---	10	29	7.9	3.1	1.9
14	2.3	---	---	---	---	---	---	11	26	7.7	3.2	1.9
15	2.3	---	---	---	---	---	---	12	26	7.3	3.2	1.5
16	2.2	---	---	---	---	---	---	14	26	6.6	3.1	1.5
17	2.2	---	---	---	---	---	---	17	25	6.2	3.0	1.5
18	2.3	---	---	---	---	---	---	18	26	5.9	2.7	1.5
19	2.2	---	---	---	---	---	---	20	26	5.7	2.7	1.5
20	2.1	---	---	---	---	---	---	22	25	5.5	2.8	1.6
21	1.8	---	---	---	---	---	---	20	25	5.5	3.1	1.6
22	2.0	---	---	---	---	---	---	22	23	5.2	2.8	1.5
23	1.9	---	---	---	---	---	---	24	22	5.2	2.6	1.5
24	1.9	---	---	---	---	---	---	25	20	5.0	2.4	1.4
25	1.9	---	---	---	---	---	---	27	18	5.0	2.3	1.4
26	2.0	---	---	---	---	---	---	30	17	5.0	2.1	1.4
27	1.9	---	---	---	---	---	---	32	16	4.8	2.1	1.4
28	1.9	---	---	---	---	---	---	37	15	4.5	2.5	1.4
29	1.9	---	---	---	---	---	---	40	15	4.3	2.3	1.4
30	1.9	---	---	---	---	---	---	44	13	3.6	2.2	1.5
31	2.0	---	---	---	---	---	---	46	---	3.4	2.2	---
TOTAL	65.1								855	226.1	90.5	48.1
MEAN	2.10								28.5	7.29	2.92	1.60
AC-FT	129								1700	448	180	95
MAX	2.5								53	12	3.6	2.2
MIN	1.8								13	3.4	2.1	1.4

CAL YR 1993 TOTAL MEAN MAX MIN AC-FT  
WTR YR 1994 TOTAL 1284.8 MEAN 3.52 MAX 53 MIN 1.4 AC-FT 2550

MAX DISCH 60 CFS AT 1815 27-MAY-1994 GH 2.86 FT. SHIFT 0.05 FT. MAX GH 2.86 FT. AT 1815 27-MAY-1994



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.**--212 mi².

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

**REMARKS.**--Record is complete and reliable. Graphic chart record was used on Jul. 24-26, and Aug. 11, 1994. Record is good. Station maintained and records developed by Fred Renner.

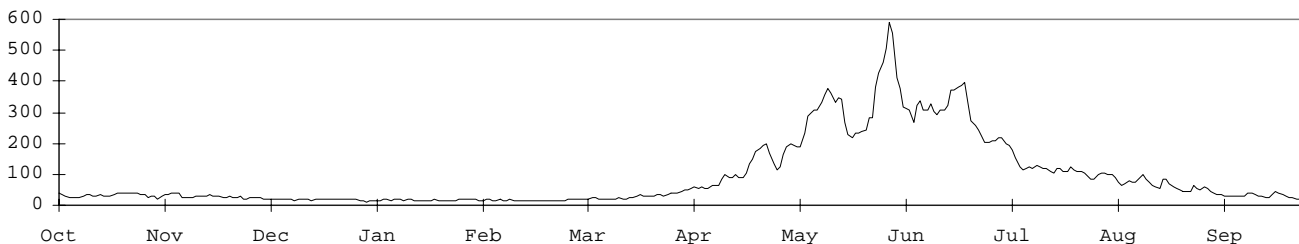
**RATING TABLE.**--SVCLYOCO20 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	33	22	16	16	19	43	166	590	209	98	58
2	34	37	20	16	16	18	49	186	556	208	103	54
3	29	41	19	17	18	18	48	196	414	220	105	45
4	27	42	21	19	19	19	53	193	379	216	100	42
5	24	40	21	18	17	19	58	189	316	196	101	37
6	26	26	20	15	17	23	57	188	314	194	87	36
7	27	25	19	18	18	23	60	231	309	179	74	32
8	30	26	19	18	17	20	54	288	269	152	65	31
9	35	26	14	18	17	20	57	297	320	126	67	29
10	33	30	18	17	18	22	64	308	337	116	78	28
11	31	28	19	18	17	20	63	305	307	117	74	30
12	32	29	20	19	16	21	64	330	306	124	75	28
13	34	29	19	15	16	20	84	358	327	121	84	29
14	32	34	17	15	17	24	100	379	304	128	100	42
15	29	29	21	17	16	22	91	363	291	123	85	41
16	28	28	21	17	16	21	89	332	307	120	74	33
17	35	29	20	16	16	24	97	349	308	119	66	31
18	39	27	19	16	17	25	90	344	323	110	59	28
19	41	26	21	18	16	28	90	269	371	105	56	27
20	41	28	19	17	17	33	103	228	374	117	86	26
21	39	25	20	17	17	29	135	220	381	119	82	35
22	39	27	19	17	16	31	147	234	387	110	69	43
23	38	28	21	15	15	32	175	233	395	107	60	40
24	38	18	18	14	17	30	182	240	332	124	54	36
25	37	20	20	15	15	33	194	242	274	112	49	28
26	33	23	20	19	17	36	197	281	257	110	44	24
27	27	24	20	19	18	31	167	283	244	110	43	25
28	31	24	17	18	19	34	132	383	222	102	46	21
29	30	23	14	18	---	39	114	427	205	96	62	20
30	22	22	12	18	---	38	126	459	205	85	53	20
31	30	---	16	19	---	39	---	506	---	84	49	---
TOTAL	1010	847	586	529	471	811	2983	9007	9924	4159	2248	999
MEAN	32.6	28.2	18.9	17.1	16.8	26.2	99.4	291	331	134	72.5	33.3
AC-FT	2000	1680	1160	1050	934	1610	5920	17870	19680	8250	4460	1980
MAX	41	42	22	19	19	39	197	506	590	220	105	58
MIN	22	18	12	14	15	18	43	166	205	84	43	20

CAL YR 1993 TOTAL 43654 MEAN 120 MAX 694 MIN 12 AC-FT 86590  
WTR YR 1994 TOTAL 33574 MEAN 92.0 MAX 590 MIN 12 AC-FT 66590

MAX DISCH 874 CFS AT 2230 10-AUG-1994 GH 4.95 FT. SHIFT -0.07 FT. MAX GH 4.95 FT. AT 2230 10-AUG-1994



## PLATTE RIVER BASIN

06725500 MIDDLE BOULDER CREEK AT NEDERLAND, CO

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

**DRAINAGE AREA.**--36.2 mi<sup>2</sup>.

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

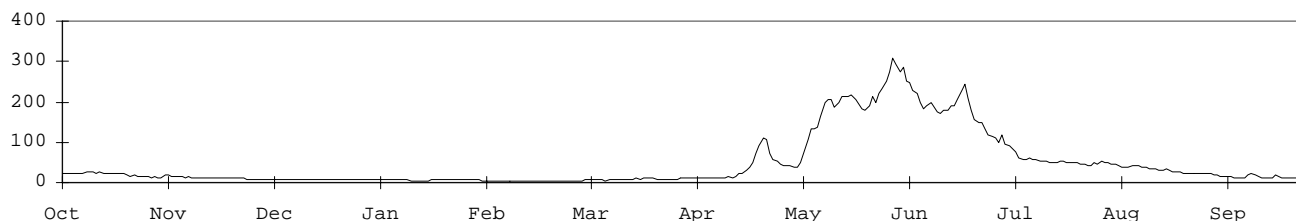
**REMARKS.**--Record is complete and reliable except for the following period: Jun. 21-22, 1994 when clock stopped. Stage-discharge relation affected by ice Nov. 26-29; Dec. 18-20, 22-27, 1993; Jan. 3, 30-31; Feb. 1-2, 6-7, 1994. Record good except for periods of no gage-height record and ice affect which is fair. Station maintained by Public Service Co. of Co. and records developed by Fred Renner.

**RATING TABLE.**--BOCMIDCO07 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	18	8.3	6.1	5.5	5.1	11	42	308	110	54	22
2	22	15	8.3	5.9	5.3	5.5	10	41	292	99	51	23
3	22	15	7.7	5.9	5.3	5.9	12	38	276	120	48	20
4	21	14	7.9	5.9	5.7	6.3	12	40	284	97	46	18
5	21	14	8.5	6.1	5.7	6.7	10	50	252	92	45	16
6	21	13	8.1	6.1	5.5	6.3	12	72	246	85	42	15
7	21	15	7.5	5.9	4.9	6.1	11	106	227	77	40	14
8	27	13	7.5	6.5	4.9	6.7	11	134	222	62	38	14
9	25	12	7.9	6.5	5.1	5.5	11	132	197	58	37	13
10	26	12	7.7	6.1	5.1	5.9	10	136	183	59	41	12
11	22	12	7.5	5.5	5.0	6.3	10	164	192	61	41	12
12	26	12	7.3	5.7	4.5	7.7	12	197	199	59	41	13
13	24	13	6.5	5.3	5.3	6.3	12	204	187	56	40	18
14	23	13	6.8	5.3	4.9	6.1	14	204	174	54	38	23
15	24	12	6.5	5.5	4.3	6.5	12	187	171	54	36	18
16	22	12	6.7	5.7	4.3	6.9	15	197	178	53	34	15
17	22	11	6.7	5.9	4.5	7.5	23	213	178	50	33	13
18	24	11	6.8	6.3	4.5	9.7	24	215	190	50	31	12
19	22	10	6.7	6.5	4.2	9.3	31	212	192	48	32	12
20	20	11	6.5	6.7	4.5	10	40	217	206	52	34	13
21	17	10	6.1	6.7	4.3	10	51	204	229	53	29	20
22	19	10	6.1	6.7	4.5	10	71	195	242	51	28	16
23	17	10	6.1	6.7	4.9	10	92	183	208	48	26	13
24	16	9.5	6.1	6.7	5.1	9.3	110	178	180	51	25	12
25	17	9.1	6.1	6.7	5.1	9.3	106	192	158	48	23	12
26	17	9.1	6.1	6.7	5.1	8.1	71	215	149	45	22	11
27	13	9.1	6.1	6.8	5.1	8.7	59	197	149	44	21	10
28	16	9.1	6.1	6.5	5.1	7.9	53	222	132	42	22	10
29	12	9.1	6.3	6.1	---	8.7	45	231	120	42	24	9.5
30	12	8.7	6.1	6.1	---	9.3	43	252	116	48	23	9.8
31	18	---	6.1	5.9	---	10	---	274	---	47	22	---
TOTAL	633	351.7	214.7	191.0	138.2	237.6	1004	5144	6037	1915	1067	439.3
MEAN	20.4	11.7	6.93	6.16	4.94	7.66	33.5	166	201	61.8	34.4	14.6
AC-FT	1260	698	426	379	274	471	1990	10200	11970	3800	2120	871
MAX	27	18	8.5	6.8	5.7	10	110	274	308	120	54	23
MIN	12	8.7	6.1	5.3	4.2	5.1	10	38	116	42	21	9.5
CAL YR 1993 TOTAL		21078.5	MEAN	57.7	MAX	312	MIN	4.5	AC-FT	41810		
WTR YR 1994 TOTAL		17372.5	MEAN	47.6	MAX	308	MIN	4.2	AC-FT	34460		

MAX DISCH 385 CFS AT 2100 01-JUN-1994 GH 2.87 FT. SHIFT 0.00 FT. MAX GH 2.87 FT. AT 2100 01-JUN-1994



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 mi<sup>2</sup>.

**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 for the following periods: Aug. 15-22, 1994 when gaging station was replaced. The stage-discharge relation was affected by thin ice layer during part of day on: Nov. 10, 16-17, 20-21, 24-28, 30; Dec. 1, 3-8, 11, 13, 19-24, 27-31, 1993; Jan. 1, 3-4, 8-9, 20-21, 25-31; Feb. 1-7, 9-16, 20-21, 23, 26; Mar. 1-2, 10, 1994. Graphic chart record was used on Oct. 19, 1993; May 21, 23, 28; Jun. 17-30; Jul. 1-12, 14-15, 20, 23, 25; Aug. 4, 8-10, 12-13, 23-24, 26-28; Sep. 11-12, 1994. Record is good, except for periods of no gage-height record and ice affect, which is fair. Station maintained and records developed by Fred Renner.

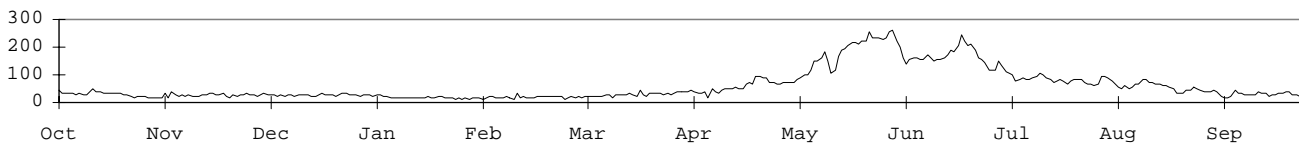
**RATING TABLE.**--BOCOROCO13 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	36	28	24	14	19	38	75	257	116	66	40
2	36	17	26	29	13	22	37	74	262	116	92	37
3	34	37	29	28	16	19	38	74	223	148	96	38
4	35	28	24	20	21	22	43	74	199	131	87	45
5	33	23	27	20	20	22	40	83	159	111	78	41
6	29	27	23	19	19	22	32	91	141	104	64	25
7	34	24	27	16	19	23	36	99	156	98	57	19
8	30	27	26	17	17	20	39	98	161	76	52	18
9	29	24	21	17	22	25	14	115	159	82	60	23
10	37	25	29	19	18	27	50	148	154	89	52	44
11	50	24	30	14	10	26	38	152	157	83	58	34
12	39	26	28	19	34	15	36	162	173	83	67	31
13	38	28	30	16	17	26	47	182	162	88	69	29
14	35	36	23	16	21	27	52	151	149	96	81	28
15	32	32	25	15	19	28	48	104	156	106	81	30
16	31	28	29	18	19	30	51	118	156	102	74	28
17	31	28	31	20	17	32	55	168	163	91	71	38
18	35	32	29	19	20	30	52	188	170	84	69	33
19	32	25	28	15	21	22	50	193	190	75	64	31
20	29	17	26	21	25	44	66	203	186	77	61	24
21	26	28	22	21	24	30	72	216	204	83	60	26
22	22	21	30	17	20	23	66	217	244	78	58	28
23	19	27	31	17	24	32	93	212	220	67	49	36
24	20	27	33	19	25	32	92	222	208	77	36	33
25	20	35	29	8.8	24	31	91	221	212	85	32	38
26	22	28	26	19	13	35	91	258	190	85	36	37
27	19	28	27	13	19	30	74	236	163	82	42	30
28	17	22	23	14	22	33	73	231	157	75	42	26
29	19	28	29	13	---	30	69	236	146	69	54	22
30	15	31	27	16	---	34	68	227	118	65	49	26
31	16	---	27	17	---	39	---	231	---	59	44	---
TOTAL	907	819	843	556.8	553	850	1651	5059	5395	2781	1901	938
MEAN	29.3	27.3	27.2	18.0	19.8	27.4	55.0	163	180	89.7	61.3	31.3
AC-FT	1800	1620	1670	1100	1100	1690	3270	10030	10700	5520	3770	1860
MAX	50	37	33	29	34	44	93	258	262	148	96	45
MIN	15	17	21	8.8	10	15	14	74	118	59	32	18

CAL YR 1993 TOTAL 27099.6 MEAN 74.2 MAX 336 MIN 9.8 AC-FT 53750  
WTR YR 1994 TOTAL 22253.8 MEAN 61.0 MAX 262 MIN 8.8 AC-FT 44140

MAX DISCH 285 CFS AT 0715 02-JUN-1994 GH 3.05 FT. SHIFT -0.03 FT. MAX GH 3.05 FT. AT 0715 02-JUN-1994



## PLATTE RIVER BASIN

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

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

**DRAINAGE AREA.**--N/A

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

**REMARKS.**--Record is complete and reliable except for the following period: Aug. 31; Sep. 1, 1994 when DCP was not functioning and clock problem with chart record. Record was affected by ice on the control Jan. 30-31; Feb. 1-2, 8-9, 12-13, 20, 1994. Graphic chart record was used on Sep. 27-30, 1994. Record is good. Records developed by Fred H. Renner.

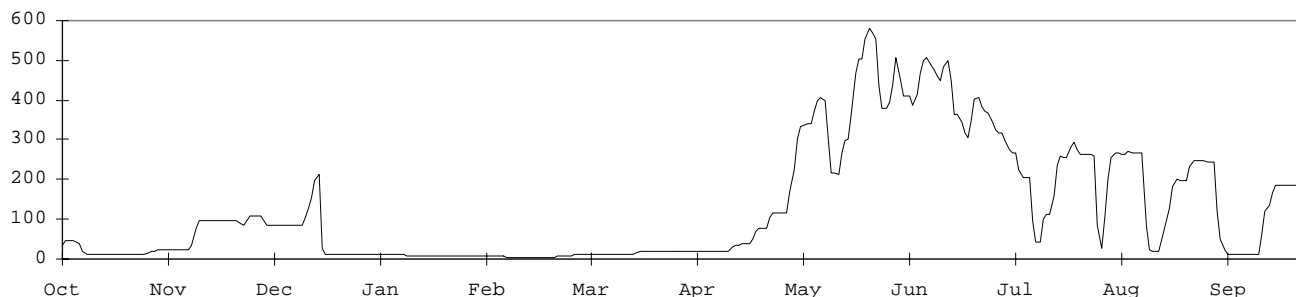
**RATING TABLE.**--BOCBGRCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	22	86	11	6.2	11	21	116	439	324	29	245
2	46	22	86	11	6.2	11	21	172	508	319	108	245
3	46	22	86	11	6.2	11	21	226	453	319	200	244
4	46	22	86	11	6.2	11	21	301	411	299	254	119
5	42	22	86	11	6.2	11	21	333	411	276	266	50
6	40	22	87	11	6.2	11	21	338	412	269	266	25
7	21	22	86	11	6.5	11	21	341	386	266	265	10
8	10	33	86	11	4.0	11	21	340	416	226	265	10
9	10	76	86	10	3.6	11	21	370	468	205	270	10
10	10	96	86	8.8	3.6	11	21	397	501	205	268	10
11	10	96	103	7.6	3.8	11	21	405	508	205	266	10
12	10	96	128	7.3	3.8	11	21	398	487	98	266	10
13	10	96	153	7.4	3.6	11	21	305	476	44	266	10
14	10	96	196	7.3	3.6	11	21	215	459	41	87	10
15	10	96	211	7.2	3.6	11	30	215	449	101	25	10
16	10	96	28	7.5	3.6	11	35	214	482	113	21	10
17	11	96	11	7.4	3.6	11	35	268	500	113	19	63
18	10	96	11	7.2	3.6	15	37	298	449	159	19	119
19	10	96	11	6.8	3.6	18	39	301	364	235	64	136
20	10	96	11	7.1	3.6	18	40	365	364	258	95	168
21	10	96	11	7.0	3.8	20	52	467	346	257	127	186
22	10	89	11	6.8	3.9	21	71	503	317	256	181	186
23	10	86	11	7.1	9.1	21	77	503	307	281	200	185
24	10	98	11	7.0	8.2	21	77	555	347	294	199	185
25	11	110	11	7.1	8.4	21	77	581	403	275	199	185
26	17	110	11	7.2	8.4	21	103	569	405	263	198	185
27	21	110	11	7.2	8.4	21	118	554	382	262	232	185
28	21	110	11	7.2	10	21	118	436	370	262	249	185
29	22	95	11	7.2	---	21	117	379	369	262	248	185
30	22	87	11	7.2	---	21	116	379	346	261	247	185
31	22	---	11	7.2	---	21	---	393	---	87	247	---
TOTAL	584	2310	1845	257.8	151.5	468	1436	11237	12535	6835	5646	3366
MEAN	18.8	77.0	59.5	8.32	5.41	15.1	47.9	362	418	220	182	112
AC-FT	1160	4580	3660	511	301	928	2850	22290	24860	13560	11200	6680
MAX	46	110	211	11	10	21	118	581	508	324	270	245
MIN	10	22	11	6.8	3.6	11	21	116	307	41	19	10

CAL YR 1993 TOTAL 39453.4 MEAN 108 MAX 500 MIN 6.1 AC-FT 78260  
WTR YR 1994 TOTAL 46671.3 MEAN 128 MAX 581 MIN 3.6 AC-FT 92570

MAX DISCH 585 CFS AT 1400 24-MAY-1994 GH 3.12 FT. SHIFT 0.00 FT. MAX GH 3.12 FT. AT 1400 24-MAY-1994



PLATTE RIVER BASIN

SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS, CO

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

**DRAINAGE AREA.**--N/A

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

**REMARKS.**--Record is complete and reliable except for the following period; Aug. 4-5, 23-26, 1994 when clock problem occurred; and when canal was off during year. Graphic chart record was used all year except when flume was off. The record is good. Records developed by Fred H. Renner.

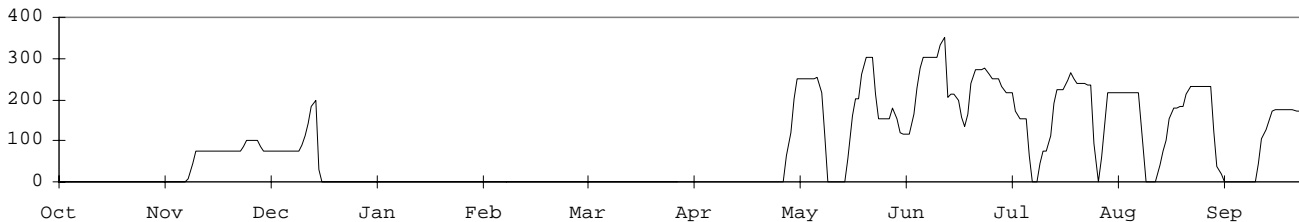
**RATING TABLE.**--BOSDELCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	75	0.0	0.0	0.0	0.0	0.0	152	249	0.0	233
2	0.0	0.0	75	0.0	0.0	0.0	0.0	65	180	249	60	233
3	0.0	0.0	75	0.0	0.0	0.0	0.0	120	155	249	140	232
4	0.0	0.0	75	0.0	0.0	0.0	0.0	203	119	232	215	122
5	0.0	0.0	75	0.0	0.0	0.0	0.0	250	117	215	215	39
6	0.0	0.0	75	0.0	0.0	0.0	0.0	250	117	215	215	18
7	0.0	0.0	75	0.0	0.0	0.0	0.0	250	117	215	215	0.0
8	0.0	6.2	75	0.0	0.0	0.0	0.0	250	165	173	217	0.0
9	0.0	45	75	0.0	0.0	0.0	0.0	251	229	152	217	0.0
10	0.0	74	75	0.0	0.0	0.0	0.0	251	278	153	217	0.0
11	0.0	74	90	0.0	0.0	0.0	0.0	253	301	154	217	0.0
12	0.0	74	114	0.0	0.0	0.0	0.0	217	301	64	217	0.0
13	0.0	74	141	0.0	0.0	0.0	0.0	114	302	0.0	217	0.0
14	0.0	74	184	0.0	0.0	0.0	0.0	0.0	302	0.0	85	0.0
15	0.0	74	200	0.0	0.0	0.0	0.0	0.0	302	44	0.0	0.0
16	0.0	74	31	0.0	0.0	0.0	0.0	0.0	333	74	0.0	0.0
17	0.0	74	0.0	0.0	0.0	0.0	0.0	0.0	352	74	0.0	45
18	0.0	74	0.0	0.0	0.0	0.0	0.0	0.0	207	114	0.0	103
19	0.0	74	0.0	0.0	0.0	0.0	0.0	0.0	212	191	41	126
20	0.0	74	0.0	0.0	0.0	0.0	0.0	56	213	224	75	151
21	0.0	74	0.0	0.0	0.0	0.0	0.0	160	198	224	102	173
22	0.0	74	0.0	0.0	0.0	0.0	0.0	203	158	224	153	175
23	0.0	74	0.0	0.0	0.0	0.0	0.0	203	135	247	180	175
24	0.0	85	0.0	0.0	0.0	0.0	0.0	260	164	264	181	175
25	0.0	100	0.0	0.0	0.0	0.0	0.0	301	239	250	182	175
26	0.0	100	0.0	0.0	0.0	0.0	0.0	301	272	239	184	175
27	0.0	100	0.0	0.0	0.0	0.0	0.0	302	272	239	212	175
28	0.0	100	0.0	0.0	0.0	0.0	0.0	213	272	239	232	172
29	0.0	85	0.0	0.0	---	0.0	0.0	152	276	237	232	172
30	0.0	75	0.0	0.0	---	0.0	0.0	152	260	236	233	172
31	0.0	---	0.0	0.0	---	0.0	---	152	---	92	233	---
TOTAL	0.0	1732.2	1510	0.0	0.0	0.0	0.0	4929	6700	5532	4687	3041
MEAN	0.0	57.7	48.7	0.0	0.0	0.0	0.0	159	223	178	151	101
AC-FT	0.0	3440	3000	0.0	0.0	0.0	0.0	9780	13290	10970	9300	6030
MAX	0.0	100	200	0.0	0.0	0.0	0.0	302	352	264	233	233
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117	0.0	0.0	0.0

CAL YR 1993 TOTAL 16472.1 MEAN 45.1 MAX 225 MIN 0.00 AC-FT 32670  
WTR YR 1994 TOTAL 28131.2 MEAN 77.1 MAX 352 MIN 0.00 AC-FT 55800

MAX DISCH 352 CFS AT 0930 16-JUN-1994 GH 3.52 FT. SHIFT 0.01 FT. MAX GH 3.52 FT. AT 0930 16-JUN-1994



## 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 mi<sup>2</sup>.

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

**REMARKS.**--Record is complete and reliable except for the following periods: Dec. 5-6, 1993 when float was frozen in ice. Dec. 7, 1993-Mar. 10, 1994 when station was closed. Mar. 11, 1994 partial record when station was opened. Record was affected by ice in the well and on the control Oct. 29-30; Nov. 24-27, 1993; Mar. 27-28, 30, 1994. Graphic chart record was used on May 17, 1994. Record is good, except for periods of no gage-height record and ice affect, which is fair. Station maintained and records developed by Fred Renner.

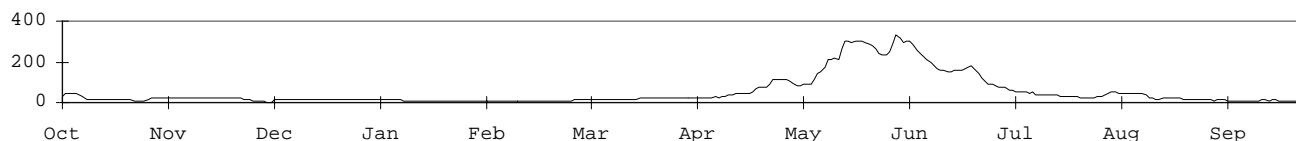
**RATING TABLE.**--BOCELSCO21 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	23	3.4	12	7.0	15	24	116	290	80	29	13
2	43	22	12	12	7.0	15	25	108	329	73	39	12
3	43	22	12	12	7.0	15	24	94	315	72	49	11
4	44	23	12	12	7.0	15	25	84	298	72	50	13
5	42	22	12	12	7.0	15	25	85	301	64	50	14
6	39	22	12	12	7.0	15	25	90	301	58	49	13
7	29	22	12	12	7.0	15	25	92	284	54	49	9.4
8	12	24	12	12	5.0	15	25	91	257	55	47	9.1
9	12	22	12	11	4.0	16	26	114	241	51	48	9.1
10	12	23	12	10	4.0	16	27	143	225	50	47	9.1
11	12	24	14	9.0	4.5	16	26	151	212	49	45	8.9
12	12	25	15	8.0	4.5	16	28	174	195	54	44	9.0
13	12	24	13	8.0	4.0	16	33	209	182	40	44	9.5
14	12	26	13	8.0	4.0	16	35	214	169	36	35	9.4
15	12	25	12	8.0	4.0	16	39	217	157	35	24	9.1
16	12	25	12	8.0	4.0	16	44	210	155	35	20	9.2
17	13	25	12	8.0	4.0	16	44	264	153	35	18	12
18	13	25	12	8.0	4.0	18	45	299	154	36	18	12
19	12	25	12	8.0	4.0	22	47	302	157	34	21	11
20	12	24	12	8.0	4.0	22	47	295	157	31	24	13
21	12	24	12	8.0	4.5	23	54	305	156	31	23	13
22	11	19	12	8.0	5.0	24	71	303	164	31	23	10
23	11	13	12	8.0	7.0	24	78	301	174	30	23	9.7
24	11	13	12	8.0	9.0	24	77	293	182	29	21	8.8
25	11	12	12	8.0	9.0	24	73	284	168	28	18	8.4
26	15	10	12	8.0	9.0	24	94	282	141	26	16	8.2
27	22	9.0	12	8.0	10	24	112	267	119	25	16	8.3
28	22	7.7	12	8.0	13	25	113	245	104	24	17	11
29	22	6.3	12	8.0	---	23	113	232	94	25	17	12
30	23	1.6	12	8.0	---	24	113	232	89	26	14	12
31	23	---	12	8.0	---	24	---	250	---	31	13	---
TOTAL	610	588.6	370.4	286.0	169.5	589	1537	6346	5923	1320	951	317.2
MEAN	19.7	19.6	11.9	9.23	6.05	19.0	51.2	205	197	42.6	30.7	10.6
AC-FT	1210	1170	735	567	336	1170	3050	12590	11750	2620	1890	629
MAX	44	26	15	12	13	25	113	305	329	80	50	14
MIN	11	1.6	3.4	8.0	4.0	15	24	84	89	24	13	8.2

CAL YR 1993 TOTAL 23709.8 MEAN 65.0 MAX 366 MIN 1.6 AC-FT 47030  
WTR YR 1994 TOTAL 19007.7 MEAN 52.1 MAX 329 MIN 1.6 AC-FT 37700

MAX DISCH 359 CFS AT 1115 02-JUN-1994 GH 3.03 FT. SHIFT -0.05 FT. MAX GH 3.03 FT. AT 1115 02-JUN-1994



PLATTE RIVER BASIN

06730300 COAL CREEK NEAR PLAINVIEW, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following periods: Dec. 3, 1993 partial day-Mar. 22, 1994 when station was closed for the winter; Mar. 23, 1994 partial day; Mar. 26-31; Apr. 1-4, 11-13, 1994 when clock stopped; Aug. 18-19, 1994 when pulley wheel nut was loose. Record is good, except for period of no gage-height record, and ice affected days, which is fair. Coal Creek is a partial year record being closed in the winter. Station maintained and records developed by Fred Renner.

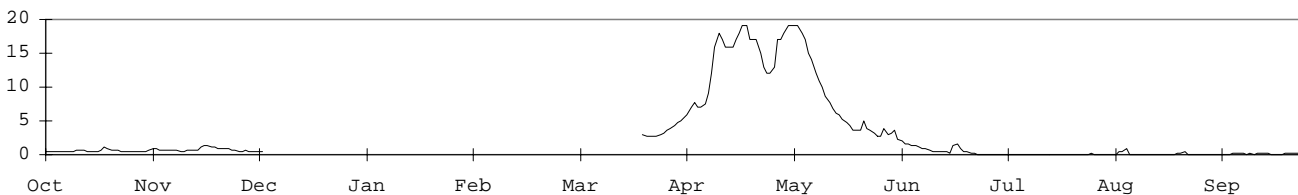
RATING TABLE.--COCREPC08 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.35	0.87	0.45	---	---	---	4.3	17	3.8	0.00	0.10	0.02
2	0.40	0.80	0.40	---	---	---	4.7	17	3.0	0.02	0.0	0.05
3	0.40	0.73	0.35	---	---	---	5.0	18	3.2	0.01	0.0	0.03
4	0.35	0.67	---	---	---	---	5.5	19	3.6	0.0	0.0	0.03
5	0.35	0.67	---	---	---	---	5.8	19	2.3	0.0	0.0	0.02
6	0.40	0.61	---	---	---	---	7.1	19	2.0	0.0	0.0	0.03
7	0.35	0.61	---	---	---	---	7.8	19	1.6	0.0	0.03	0.02
8	0.45	0.61	---	---	---	---	7.1	18	1.5	0.0	0.40	0.05
9	0.55	0.55	---	---	---	---	7.1	17	1.4	0.0	0.55	0.07
10	0.67	0.55	---	---	---	---	7.5	15	1.3	0.0	0.87	0.13
11	0.67	0.61	---	---	---	---	9.1	14	1.2	0.0	0.01	0.13
12	0.64	0.67	---	---	---	---	12	12	0.94	0.0	0.0	0.13
13	0.50	0.73	---	---	---	---	16	11	0.87	0.0	0.0	0.13
14	0.50	0.61	---	---	---	---	18	10	0.67	0.0	0.0	0.05
15	0.50	1.2	---	---	---	---	17	8.7	0.55	0.0	0.0	0.13
16	0.50	1.4	---	---	---	---	16	7.8	0.55	0.0	0.0	0.10
17	0.67	1.4	---	---	---	---	16	6.8	0.50	0.0	0.0	0.13
18	1.2	1.1	---	---	---	---	16	6.1	0.45	0.0	0.01	0.19
19	0.87	1.1	---	---	---	---	17	5.8	0.35	0.0	0.01	0.16
20	0.73	1.0	---	---	---	---	18	5.2	0.29	0.0	0.01	0.16
21	0.67	0.87	---	---	---	---	19	4.8	1.4	0.0	0.02	0.05
22	0.61	0.87	---	---	---	---	19	4.3	1.5	0.0	0.03	0.03
23	0.48	0.80	---	---	---	3.0	17	3.6	0.94	0.0	0.07	0.10
24	0.45	0.70	---	---	---	2.8	17	3.6	0.55	0.0	0.07	0.10
25	0.40	0.60	---	---	---	2.7	17	3.6	0.35	0.0	0.16	0.13
26	0.45	0.50	---	---	---	2.7	15	5.0	0.27	0.0	0.16	0.23
27	0.40	0.50	---	---	---	2.8	13	3.8	0.13	0.0	0.45	0.16
28	0.40	0.61	---	---	---	2.9	12	3.6	0.07	0.0	0.10	0.19
29	0.50	0.55	---	---	---	3.2	12	3.2	0.05	0.0	0.05	0.16
30	0.55	0.50	---	---	---	3.6	13	2.7	0.02	0.0	0.10	0.10
31	0.73	---	---	---	---	3.8	---	2.7	---	0.31	0.03	---
TOTAL	16.70	22.99					371.0	306.3	35.35	0.34	3.23	3.01
MEAN	0.54	0.77					12.4	9.88	1.18	0.01	0.10	0.10
AC-FT	33	46					736	608	70	0.68	6.4	6.0
MAX	1.2	1.4					19	19	3.8	0.31	0.87	0.23
MIN	0.35	0.50					4.3	2.7	0.02	0.0	0.0	0.02

CAL YR 1993 TOTAL 856.99 MEAN 2.35 MAX 17 MIN 0.00 AC-FT 1700  
WTR YR 1994 TOTAL 758.92 MEAN 2.08 MAX 19 MIN 0.00 AC-FT 1510

MAX DISCH 20 CFS AT 1200 06-MAY-1994 GH 1.04 FT. SHIFT -0.02 FT. MAX GH 1.04 FT. AT 1200 06-MAY-1994





## PLATTE RIVER BASIN

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

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

**DRAINAGE AREA.**--976 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in a 42-inch metal pipe shelter and well. Supplemental outside chain gage.

**REMARKS.**--Record is complete and reliable, except for the following day, Jan. 5, 1994 when the chart and the DCP were off. DCP was the primary source of record. The chart was used on Apr. 27-30; May 1-2, 1994 when the DCP was off. The backup chart record was not used Jun. 24-Sep. 30, 1994 since the recorder would not function properly. The DCP record was good for the entire period based on the checks made each time the station was visited. Station maintained and records developed by Merlin Friedrichsen. Record is good.

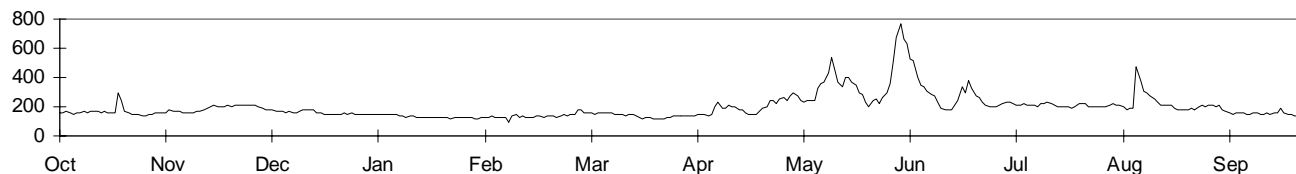
**RATING TABLE.**--SVCPLACO23 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	158	160	175	146	127	179	135	247	503	199	198	211
2	163	177	175	143	129	175	138	275	671	209	197	212
3	165	166	169	144	131	161	141	290	772	221	208	205
4	160	165	170	145	138	159	138	275	668	235	225	206
5	151	167	166	146	129	154	146	239	633	228	213	179
6	157	162	161	147	125	152	147	234	527	220	212	164
7	161	162	166	143	127	155	144	241	518	214	203	154
8	171	158	163	134	127	158	142	238	397	214	183	151
9	163	162	163	134	100	161	147	247	349	220	186	159
10	165	164	168	131	137	156	200	324	337	212	194	154
11	168	165	176	135	151	156	227	353	310	210	474	153
12	171	178	180	132	123	151	194	366	280	208	375	152
13	160	186	182	130	133	151	191	433	274	201	309	146
14	168	196	177	131	131	146	213	536	231	218	293	154
15	162	206	156	128	131	142	200	449	192	221	277	153
16	160	201	153	131	128	145	195	372	181	232	251	151
17	155	200	150	126	134	145	184	337	176	224	231	147
18	290	202	148	122	134	139	181	402	179	211	215	154
19	237	207	146	127	131	126	160	396	215	202	209	152
20	171	204	147	128	133	118	150	366	239	200	214	155
21	158	212	147	125	134	129	143	348	337	205	209	162
22	152	213	150	123	137	123	148	299	297	198	192	189
23	144	210	153	121	131	116	173	283	378	190	183	159
24	143	210	151	122	141	117	188	236	325	200	177	149
25	138	206	155	125	143	121	203	204	273	226	176	146
26	136	212	148	125	139	118	241	241	261	223	183	137
27	143	208	147	126	146	123	239	249	231	217	187	135
28	143	204	149	127	150	122	225	221	206	204	180	139
29	154	194	148	125	---	132	251	268	203	200	201	125
30	153	180	145	119	---	138	265	297	200	202	206	121
31	154	---	146	114	---	133	---	356	---	197	202	---
TOTAL	5074	5637	4930	4055	3720	4401	5449	9622	10363	6561	6963	4774
MEAN	164	188	159	131	133	142	182	310	345	212	225	159
AC-FT	10060	11180	9780	8040	7380	8730	10810	19090	20560	13010	13810	9470
MAX	290	213	182	147	151	179	265	536	772	235	474	212
MIN	136	158	145	114	100	116	135	204	176	190	176	121

CAL YR 1993 TOTAL 76281 MEAN 209 MAX 1070 MIN 89 AC-FT 151300  
WTR YR 1994 TOTAL 71549 MEAN 196 MAX 772 MIN 100 AC-FT 141900

MAX DISCH 799 CFS AT 1400 03-JUN-1994 GH 3.00 FT. SHIFT 0.26 FT. MAX GH 3.00 FT. AT 1400 03-JUN-1994



PLATTE RIVER BASIN

06733000 BIG THOMPSON RIVER 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.**--137 mi².

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

**REMARKS.**--Record is complete and reliable except for the following periods: Oct. 30-31; Nov. 1-5, 19-30; Dec. 1, 1993-Feb. 24, 1994 when the flume was frozen.. Gage height was estimated May 16-17, 1994 due to inlet problems. Discharge was affected by ice Oct. 27-29; Nov. 6-10, 14-18, 1993; Feb. 25-Mar. 13, 1994. Graphic chart was used Apr. 19-22, 1994 and Aug. 19, 1994 when the DCP was off. Record is good, except for periods of no gage-height record and ice effect, which is poor. Station maintained and records developed by Merlin Friedrichsen.

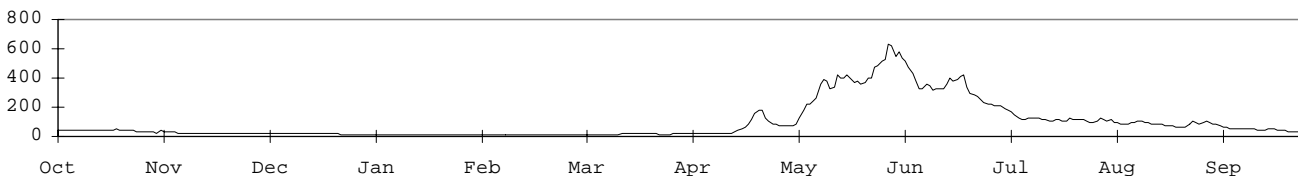
**RATING TABLE.**--BTABESCO09 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	35	20	13	12	13	18	76	634	217	106	94
2	42	28	20	13	12	13	20	76	621	211	123	108
3	41	28	20	13	12	14	19	76	552	210	113	91
4	39	29	20	12	11	14	21	73	584	207	108	88
5	38	26	20	12	11	14	20	84	534	192	115	79
6	38	21	20	12	11	14	19	129	516	175	100	73
7	38	23	19	12	11	14	19	183	471	164	95	65
8	41	23	19	12	11	15	18	222	428	143	89	61
9	42	21	19	12	10	15	19	222	382	127	86	57
10	43	24	19	12	10	15	19	243	328	120	88	54
11	40	24	18	12	11	15	19	267	330	121	95	50
12	44	24	18	12	11	15	20	354	359	122	98	49
13	44	24	18	12	12	15	23	388	344	124	102	49
14	43	23	18	12	12	15	25	379	321	125	110	53
15	46	22	17	12	12	16	22	326	324	123	99	51
16	46	21	17	13	12	18	25	332	329	121	90	48
17	47	22	17	13	12	18	33	421	324	112	83	45
18	50	21	17	13	12	19	39	400	357	110	80	41
19	46	22	16	13	12	21	50	396	396	105	80	43
20	43	22	16	13	12	20	66	417	382	114	82	49
21	39	22	16	13	12	21	85	388	389	117	77	51
22	39	22	16	13	12	18	113	373	415	110	74	52
23	37	22	15	13	13	19	159	380	421	108	71	46
24	36	22	15	13	13	17	181	363	334	125	67	41
25	36	21	15	13	13	18	175	370	299	117	63	38
26	36	21	15	13	13	15	131	398	280	117	60	36
27	30	21	14	13	13	15	105	405	271	116	58	33
28	34	21	14	13	13	15	89	472	251	113	82	31
29	29	21	14	13	---	15	80	479	228	106	103	30
30	25	21	14	12	---	17	75	512	216	100	98	30
31	37	---	13	12	---	17	---	531	---	95	89	---
TOTAL	1232	697	529	389	331	500	1707	9735	11620	4167	2784	1636
MEAN	39.7	23.2	17.1	12.5	11.8	16.1	56.9	314	387	134	89.8	54.5
AC-FT	2440	1380	1050	772	657	992	3390	19310	23050	8270	5520	3240
MAX	50	35	20	13	13	21	181	531	634	217	123	108
MIN	25	21	13	12	10	13	18	73	216	95	58	30

CAL YR 1993 TOTAL 48074.5 MEAN 132 MAX 1090 MIN 9.5 AC-FT 95360  
WTR YR 1994 TOTAL 35327 MEAN 96.8 MAX 634 MIN 10 AC-FT 70070

MAX DISCH 775 CFS AT 0100 02-JUN-1994 GH 5.05 FT. SHIFT 0.00 FT. MAX GH 5.05 FT. AT 0100 02-JUN-1994



## PLATTE RIVER BASIN

06734500 FISH CREEK NEAR ESTES PARK, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following period: Oct. 29-31; Nov. 1, 1993-Mar. 15, 1994 when the station was closed for the winter. Record was affected by ice in the well or on the control Mar. 18, 21, 27-31, 1994. Record is good, except for periods of no gage-height record and ice affect which is poor. Station maintained and records developed by Merlin Friedrichsen.

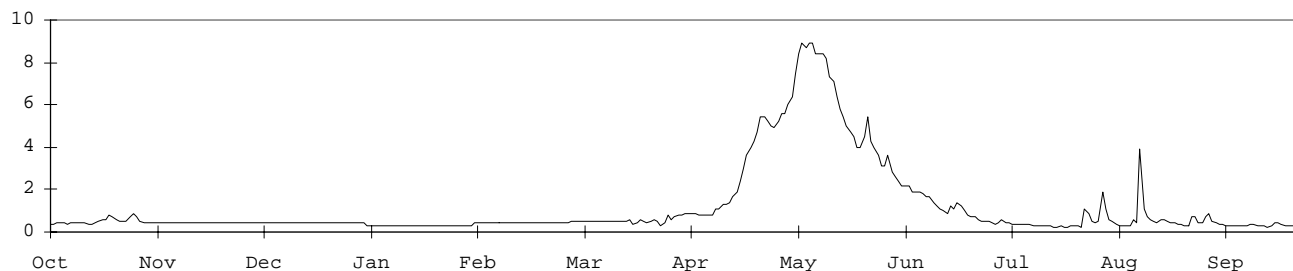
RATING TABLE.--FISHESCO06 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.36	0.40	0.40	0.30	0.40	0.50	0.78	5.6	3.6	0.44	0.52	0.75
2	0.36	0.40	0.40	0.30	0.40	0.50	0.78	5.6	2.8	0.36	1.9	0.88
3	0.44	0.40	0.40	0.30	0.40	0.50	0.88	6.0	2.6	0.44	1.1	0.52
4	0.44	0.40	0.40	0.30	0.40	0.50	0.88	6.4	2.4	0.60	0.60	0.44
5	0.44	0.40	0.40	0.30	0.40	0.50	0.88	7.5	2.2	0.44	0.52	0.36
6	0.36	0.40	0.40	0.30	0.40	0.50	0.88	8.4	2.2	0.44	0.36	0.36
7	0.44	0.40	0.40	0.30	0.40	0.50	0.78	8.9	2.2	0.36	0.29	0.29
8	0.44	0.40	0.40	0.30	0.40	0.50	0.78	8.7	1.9	0.36	0.29	0.29
9	0.44	0.40	0.40	0.30	0.40	0.50	0.78	8.9	1.9	0.36	0.29	0.29
10	0.44	0.40	0.40	0.30	0.40	0.50	0.78	8.9	1.9	0.36	0.29	0.29
11	0.44	0.40	0.40	0.30	0.40	0.50	0.78	8.4	1.8	0.36	0.60	0.29
12	0.36	0.40	0.40	0.30	0.40	0.50	1.1	8.4	1.7	0.36	0.44	0.29
13	0.36	0.40	0.40	0.30	0.40	0.50	1.1	8.4	1.7	0.29	3.9	0.29
14	0.44	0.40	0.40	0.30	0.40	0.50	1.3	8.2	1.4	0.29	1.1	0.36
15	0.52	0.40	0.40	0.30	0.40	0.50	1.3	7.3	1.2	0.29	0.69	0.36
16	0.60	0.40	0.40	0.30	0.40	0.50	1.4	7.1	1.1	0.29	0.60	0.29
17	0.60	0.40	0.40	0.30	0.40	0.50	1.7	6.4	0.98	0.29	0.52	0.29
18	0.78	0.40	0.40	0.30	0.40	0.60	1.9	5.8	0.88	0.29	0.44	0.29
19	0.69	0.40	0.40	0.30	0.40	0.36	2.4	5.4	1.2	0.23	0.60	0.23
20	0.60	0.40	0.40	0.30	0.40	0.44	3.0	5.0	1.1	0.23	0.60	0.29
21	0.52	0.40	0.40	0.30	0.40	0.60	3.6	4.7	1.4	0.29	0.52	0.44
22	0.52	0.40	0.40	0.30	0.40	0.52	4.0	4.5	1.2	0.23	0.44	0.44
23	0.52	0.40	0.40	0.30	0.40	0.44	4.3	4.0	0.98	0.23	0.44	0.36
24	0.69	0.40	0.40	0.30	0.40	0.52	4.7	4.0	0.78	0.29	0.36	0.29
25	0.88	0.40	0.40	0.30	0.40	0.60	5.4	4.5	0.69	0.29	0.36	0.29
26	0.69	0.40	0.40	0.30	0.40	0.52	5.4	5.4	0.69	0.29	0.29	0.29
27	0.52	0.40	0.40	0.30	0.40	0.29	5.2	4.3	0.60	0.23	0.29	0.29
28	0.44	0.40	0.40	0.30	0.40	0.44	5.0	4.0	0.52	1.1	0.69	0.29
29	0.40	0.40	0.40	0.30	---	0.78	4.9	3.6	0.52	0.88	0.69	0.29
30	0.40	0.40	0.40	0.30	---	0.60	5.2	3.1	0.52	0.52	0.44	0.29
31	0.40	---	0.40	0.30	---	0.69	---	3.1	---	0.44	0.44	---
TOTAL	15.53	12.00	12.40	9.30	11.20	15.90	71.88	190.5	44.66	11.87	20.61	10.72
MEAN	0.50	0.40	0.40	0.30	0.40	0.51	2.40	6.15	1.49	0.38	0.66	0.36
AC-FT	31	24	25	18	22	32	143	378	89	24	41	21
MAX	0.88	0.40	0.40	0.30	0.40	0.78	5.4	8.9	3.6	1.1	3.9	0.88
MIN	0.36	0.40	0.40	0.30	0.40	0.29	0.78	3.1	0.52	0.23	0.29	0.23

CAL YR 1993 TOTAL 422.57 MEAN 1.16 MAX 6.7 MIN 0.00 AC-FT 838  
WTR YR 1994 TOTAL 426.56 MEAN 1.17 MAX 8.9 MIN 0.23 AC-FT 846

MAX DISCH 48 CFS AT 1400 13-AUG-1994 GH 1.76 FT. SHIFT -0.03 FT. MAX GH 1.76 FT. AT 1400 13-AUG-1994



PLATTE RIVER BASIN

06735500 BIG THOMPSON RIVER 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 mi<sup>2</sup>. Area at site used Jan. 29, 1934, to Mar. 21, 1951, 162 mi<sup>2</sup>.

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

**REMARKS.**--Record is complete and reliable, except for May 20, 1994 when the floats were separated in the well and the chart and shaft encoder were turned off for a few hours. Station maintained and records developed by Merlin Friedrichsen. Record is good.

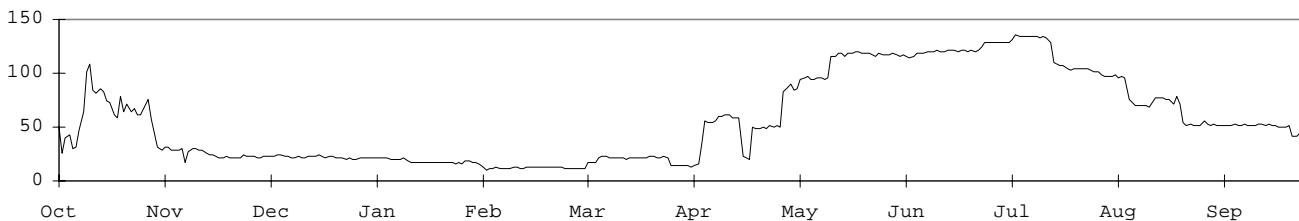
**RATING TABLE.**--BTBLES009 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	31	23	22	16	12	14	83	117	128	101	56
2	26	31	23	22	13	12	14	86	119	128	98	53
3	40	29	23	21	9.7	12	14	90	117	129	97	51
4	43	29	24	21	11	12	13	84	116	129	97	53
5	30	28	24	21	12	17	15	86	117	129	97	52
6	32	30	23	20	13	17	16	94	116	128	98	51
7	47	17	23	20	12	17	35	96	115	131	96	51
8	65	27	22	20	12	22	56	97	116	136	97	52
9	101	30	22	20	12	23	54	95	119	135	96	51
10	109	30	23	21	12	23	55	95	119	135	76	53
11	84	29	22	18	13	22	56	96	119	135	73	52
12	82	29	22	17	13	22	60	96	120	135	70	52
13	86	26	23	17	12	22	60	95	120	135	70	53
14	83	25	23	17	12	22	62	96	120	134	70	52
15	75	24	23	17	13	22	62	116	121	133	70	52
16	73	23	24	17	13	20	59	116	120	134	69	52
17	62	22	23	17	13	21	59	118	120	133	73	53
18	59	22	22	17	13	22	59	118	121	128	77	53
19	78	23	23	17	13	21	23	116	121	110	77	52
20	64	22	23	17	13	21	21	118	121	108	77	53
21	72	22	22	17	13	22	20	118	120	107	76	52
22	64	21	22	17	13	22	50	120	121	107	76	52
23	67	22	21	17	13	23	49	120	122	105	72	50
24	62	24	20	17	13	23	48	119	120	103	78	50
25	61	23	22	16	13	22	50	118	121	104	72	50
26	70	23	20	17	12	22	48	119	120	104	54	51
27	76	23	20	16	12	23	52	117	122	104	51	42
28	57	22	21	18	12	22	50	116	124	104	53	41
29	45	22	22	18	---	15	51	118	128	104	52	45
30	32	23	21	17	---	14	50	117	128	103	52	50
31	29	---	21	17	---	14	---	117	---	101	51	---
TOTAL	1924	752	690	566	351.7	604	1275	3290	3600	3739	2366	1530
MEAN	62.1	25.1	22.3	18.3	12.6	19.5	42.5	106	120	121	76.3	51.0
AC-FT	3820	1490	1370	1120	698	1200	2530	6530	7140	7420	4690	3030
MAX	109	31	24	22	16	23	62	120	128	136	101	56
MIN	26	17	20	16	9.7	12	13	83	115	101	51	41

CAL YR 1993 TOTAL 22839 MEAN 62.6 MAX 556 MIN 11 AC-FT 45300  
WTR YR 1994 TOTAL 20687.7 MEAN 56.7 MAX 136 MIN 9.7 AC-FT 41030

MAX DISCH 147 CFS AT 1000 30-JUN-1994 GH 1.82 FT. SHIFT -0.03 FT. MAX GH 1.82 FT. AT 1000 30-JUN-1994



## 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, reliable and good. Graphic chart record was used on Oct. 30, 1993; Nov. 1-3, 24-29, 1993; Dec. 6-10, 17-21, 1993; Feb. 5, 1994; May 28-31, 1994; Jun. 21-23, 1994; Aug. 12-15, 1994 when the DCP was off. Graphic chart record was used on Dec. 10, 1992; May 24-27; July 12-27; Aug. 5, 1993. Station maintained and records developed by Merlin Friedrichsen.

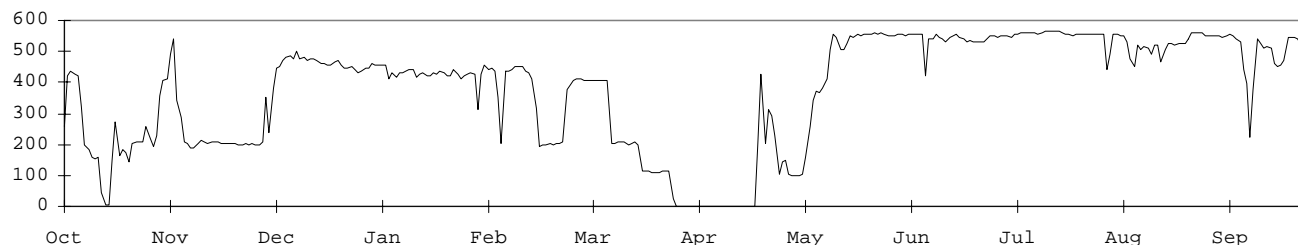
**RATING TABLE.**--OLYTUNCO05 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	257	489	382	457	457	410	0.0	102	552	544	557	551
2	421	539	447	458	442	408	0.0	100	555	551	442	552
3	437	342	453	456	447	409	0.0	101	553	549	493	551
4	425	288	469	413	436	408	0.0	100	552	551	553	548
5	422	208	482	432	350	408	0.0	104	554	547	557	545
6	320	203	486	417	205	409	0.0	159	553	554	552	549
7	197	186	476	429	436	407	0.0	258	557	556	548	553
8	184	189	503	429	438	407	0.0	342	556	561	533	551
9	159	202	477	434	441	409	0.0	371	555	558	475	539
10	153	211	479	439	453	205	0.0	369	422	561	453	531
11	158	207	472	443	450	203	0.0	384	540	562	522	439
12	47	201	475	419	453	208	0.0	413	540	559	508	397
13	2.9	206	477	424	434	208	0.0	508	554	557	517	221
14	2.6	206	469	430	430	206	0.0	553	544	560	512	377
15	150	206	463	423	412	200	0.0	547	539	565	492	539
16	275	204	461	421	315	202	0.0	507	533	565	522	528
17	165	204	458	431	195	209	0.0	505	544	567	523	510
18	185	205	458	428	197	200	0.0	527	549	564	464	516
19	172	202	467	437	197	114	0.0	548	553	566	505	512
20	146	201	469	433	203	115	0.0	547	547	560	525	460
21	201	200	458	420	200	114	0.0	554	542	554	524	451
22	208	200	448	421	202	111	205	552	530	555	521	455
23	207	201	446	443	203	110	426	553	536	552	526	472
24	208	200	449	424	206	111	203	553	532	554	525	543
25	256	203	443	410	377	113	312	555	531	555	527	545
26	220	200	429	421	390	116	293	559	533	555	540	543
27	193	200	436	426	407	114	228	556	531	555	558	542
28	230	210	448	429	412	26	102	560	540	555	561	518
29	359	352	444	428	---	0.0	145	557	548	554	559	436
30	407	236	462	314	---	0.0	151	552	552	554	560	392
31	414	---	455	428	---	0.0	---	552	---	557	552	---
TOTAL	7181.5	7101	14241	13217	9788	6560	2065	13148	16227	17257	16206	14866
MEAN	232	237	459	426	350	212	68.8	424	541	557	523	496
AC-FT	14240	14080	28250	26220	19410	13010	4100	26080	32190	34230	32140	29490
MAX	437	539	503	458	457	410	426	560	557	567	561	553
MIN	2.6	186	382	314	195	0.0	0.0	100	422	544	442	221

CAL YR 1993 TOTAL 132953.45 MEAN 364 MAX 557 MIN 0.00 AC-FT 263700  
WTR YR 1994 TOTAL 137857.5 MEAN 378 MAX 567 MIN 0.00 AC-FT 273400

MAX DISCH 585 CFS AT 1300 01-NOV-1993 GH 8.10 FT. SHIFT 0.00 FT. MAX GH 8.10 FT. AT 1300 01-NOV-1993



PLATTE RIVER BASIN

06736000 NORTH FORK BIG THOMPSON RIVER AT DRAKE, CO

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

**DRAINAGE AREA.**--85.1 mi<sup>2</sup>.

**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. 9-30; Dec. 1-31, 1993; Jan. 1-31; Feb. 1-28; Mar. 1-21, 1994 when the station was closed. Record was affected by ice in the well and on the control Oct. 28, 30-31 and Nov. 1-2, 5-8, 1993. Record is good, except for periods of no gage-height record and ice effect, which is fair. Station maintained and records developed by Merlin Friedrichsen.

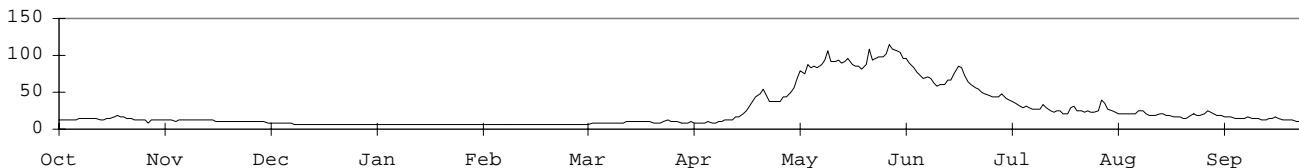
**RATING TABLE.**--BTNFDRCO10 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	12	9.0	6.0	6.0	7.0	8.8	43	115	44	26	20
2	13	12	9.0	6.0	5.8	7.0	9.1	44	108	44	40	26
3	13	12	9.0	6.0	5.8	7.0	8.4	51	106	43	35	22
4	13	11	9.0	6.0	5.8	7.0	9.5	57	104	47	27	20
5	12	12	8.0	6.0	5.5	7.0	9.2	69	95	41	26	19
6	13	12	8.0	6.0	5.5	8.0	8.7	79	95	39	23	18
7	14	12	8.0	6.0	5.5	8.0	8.9	76	89	38	21	17
8	14	12	8.0	6.0	5.5	8.0	8.1	88	83	35	21	16
9	14	12	7.0	6.0	5.5	8.0	9.4	84	77	32	20	16
10	14	12	7.0	6.0	5.5	8.0	9.3	85	72	30	20	15
11	14	12	7.0	6.0	5.5	9.0	9.1	84	69	31	21	15
12	14	12	7.0	6.0	5.8	9.0	10	88	70	30	20	14
13	13	12	7.0	6.0	5.8	9.0	11	94	68	28	24	15
14	13	12	7.0	6.0	5.8	9.0	13	106	62	28	24	16
15	14	12	6.0	6.0	5.8	9.0	12	92	59	28	20	15
16	14	11	6.0	6.0	5.8	10	13	91	60	34	18	14
17	16	11	6.0	6.0	6.0	10	17	93	61	29	18	14
18	18	11	6.0	6.0	6.0	10	17	90	66	24	18	13
19	17	11	6.0	6.0	6.5	10	21	92	66	23	20	13
20	16	11	6.0	6.0	6.5	10	26	95	75	24	21	14
21	14	11	6.0	6.0	6.5	10	32	88	86	25	19	15
22	14	11	6.0	6.0	6.5	10	38	86	83	21	18	16
23	13	10	6.0	6.0	6.5	10	44	85	73	21	17	15
24	12	10	6.0	6.0	6.8	7.8	48	81	65	29	16	13
25	12	10	6.0	6.0	6.8	9.2	55	87	60	31	16	12
26	12	10	6.0	6.0	6.8	8.6	46	108	56	26	15	12
27	8.8	10	6.0	6.0	7.0	10	38	93	54	24	15	12
28	12	10	6.0	6.0	7.0	12	37	95	51	23	18	11
29	12	10	6.0	6.0	---	9.7	37	97	48	24	21	11
30	12	10	6.0	6.0	---	10	37	97	45	23	19	11
31	12	---	6.0	6.0	---	9.7	---	103	---	22	19	---
TOTAL	415.8	336	212.0	186.0	169.8	277.0	650.5	2621	2221	941	656	460
MEAN	13.4	11.2	6.84	6.00	6.06	8.94	21.7	84.5	74.0	30.4	21.2	15.3
AC-FT	825	666	421	369	337	549	1290	5200	4410	1870	1300	912
MAX	18	12	9.0	6.0	7.0	12	55	108	115	47	40	26
MIN	8.8	10	6.0	6.0	5.5	7.0	8.1	43	45	21	15	11

CAL YR 1993 TOTAL 10535.4 MEAN 28.9 MAX 167 MIN 4.0 AC-FT 20900  
WTR YR 1994 TOTAL 9146.1 MEAN 25.1 MAX 115 MIN 5.5 AC-FT 18140

MAX DISCH 131 CFS AT 0030 14-MAY-1994 GH 4.52 FT. SHIFT -0.04 FT. MAX GH 4.52 FT. AT 0030 14-MAY-1994



## 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.**--Station maintained by U.S. Bureau of Reclamation. Record is complete and reliable. Flow at station is intermittent dependent on river flows, water orders, and other regulations. The graphic chart is the primary record. Record is good. Chart record is checked daily when tunnel is in operation by Bureau of Reclamation personnel. Records developed by Fred H. Renner.

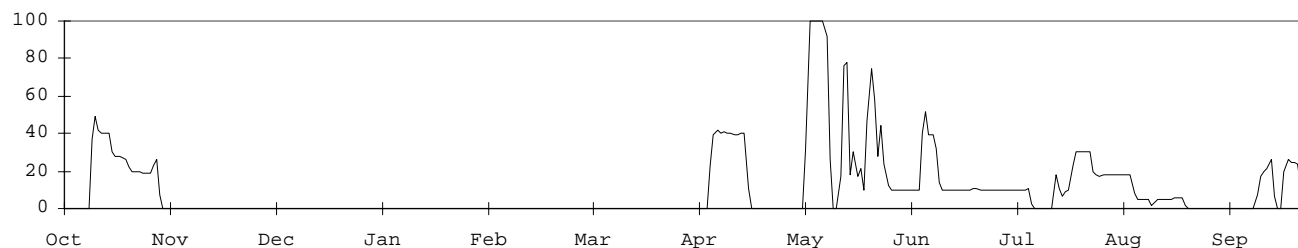
**RATING TABLE.**--DILTUNCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10	18	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10	18	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10	18	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	9.6	18	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	9.6	18	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	10	10	18	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	10	10	18	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	23	100	10	10	18	0.0
9	37	0.0	0.0	0.0	0.0	0.0	39	100	40	9.6	18	0.0
10	49	0.0	0.0	0.0	0.0	0.0	42	100	52	11	8.0	0.0
11	42	0.0	0.0	0.0	0.0	0.0	40	100	39	2.8	4.7	0.0
12	40	0.0	0.0	0.0	0.0	0.0	41	92	39	0.0	4.7	0.0
13	40	0.0	0.0	0.0	0.0	0.0	40	26	32	0.0	4.7	0.0
14	40	0.0	0.0	0.0	0.0	0.0	40	0.0	14	0.0	4.7	0.0
15	30	0.0	0.0	0.0	0.0	0.0	39	0.0	10	0.0	1.3	7.3
16	28	0.0	0.0	0.0	0.0	0.0	39	17	10	0.0	3.2	17
17	28	0.0	0.0	0.0	0.0	0.0	40	76	10	0.0	5.0	20
18	27	0.0	0.0	0.0	0.0	0.0	40	78	10	18	5.2	21
19	26	0.0	0.0	0.0	0.0	0.0	11	18	10	11	5.2	26
20	22	0.0	0.0	0.0	0.0	0.0	0.0	30	10	6.9	5.2	6.8
21	20	0.0	0.0	0.0	0.0	0.0	0.0	17	10	9.0	5.2	0.0
22	20	0.0	0.0	0.0	0.0	0.0	0.0	21	10	10	5.5	0.0
23	20	0.0	0.0	0.0	0.0	0.0	0.0	9.5	10	23	5.5	20
24	19	0.0	0.0	0.0	0.0	0.0	0.0	47	11	30	5.5	26
25	19	0.0	0.0	0.0	0.0	0.0	0.0	75	11	30	1.5	25
26	19	0.0	0.0	0.0	0.0	0.0	0.0	58	10	30	0.0	25
27	23	0.0	0.0	0.0	0.0	0.0	0.0	28	10	30	0.0	24
28	26	0.0	0.0	0.0	0.0	0.0	0.0	44	10	30	0.0	6.8
29	7.1	0.0	0.0	0.0	---	0.0	0.0	24	10	20	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	12	9.6	18	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	10	---	17	0.0	---
TOTAL	582.1	0.0	0.0	0.0	0.0	0.0	434	1213.5	457.6	385.5	237.1	224.9
MEAN	18.8	0.0	0.0	0.0	0.0	0.0	14.5	39.1	15.3	12.4	7.65	7.50
AC-FT	1150	0.0	0.0	0.0	0.0	0.0	861	2410	908	765	470	446
MAX	49	0.0	0.0	0.0	0.0	0.0	42	100	52	30	18	26
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0

CAL YR 1993 TOTAL 4929.9 MEAN 13.5 MAX 157 MIN 0.00 AC-FT 9780  
WTR YR 1994 TOTAL 3534.7 MEAN 9.68 MAX 100 MIN 0.00 AC-FT 7010

MAX DISCH 102 CFS AT 0630 17-MAY-1994 GH 2.10 FT. SHIFT 0.00 FT. MAX GH 2.10 FT. AT 0630 17-MAY-1994



PLATTE RIVER BASIN

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

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

**DRAINAGE AREA.**--305 mi<sup>2</sup>.

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

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 23, 1993-Mar. 8, 1994 when station was closed for winter. Chart days were May 31; Jun. 1, 11, 14-18, 22, 24-25, 29-30; Jul. 1-3; Sep. 6, 30, 1994. Stage-discharge relation affected by ice Nov. 6-10, 15-22, 1993. Record is good, except for periods of no gage-height record and ice affect, which is fair. Station maintained and records developed by Merlin Friedrichsen.

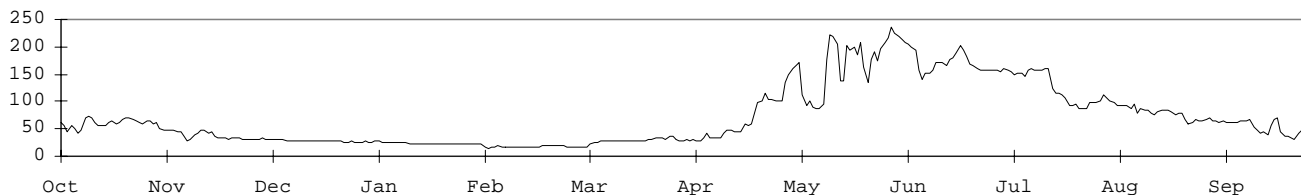
**RATING TABLE.**--BTCANYCO14 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	47	30	27	22	18	29	135	237	156	100	68
2	57	49	30	27	18	18	30	150	224	157	112	70
3	45	48	30	26	15	18	29	160	219	154	107	66
4	55	44	31	26	17	18	30	166	214	161	100	64
5	50	46	30	26	17	23	29	172	209	158	98	63
6	43	36	29	25	19	24	29	113	205	155	94	64
7	49	29	29	25	17	24	34	93	199	150	93	62
8	71	31	28	25	17	28	41	100	194	151	92	63
9	72	40	28	25	17	28	33	89	156	152	93	63
10	71	42	28	26	18	28	34	86	141	146	88	63
11	62	47	28	23	18	28	34	86	153	157	95	64
12	57	48	28	22	18	29	35	96	153	159	80	64
13	57	43	28	22	18	29	42	178	158	157	86	65
14	57	44	28	22	18	29	48	222	170	158	83	67
15	62	37	28	22	18	28	48	219	172	156	83	54
16	64	34	28	22	18	28	46	205	172	161	78	47
17	59	34	28	22	18	28	46	138	167	159	77	43
18	62	34	27	22	18	29	45	139	178	125	81	45
19	67	32	28	22	19	29	58	202	179	116	83	40
20	69	33	28	22	19	29	57	195	187	115	85	57
21	70	34	27	22	19	29	60	199	201	112	84	68
22	68	33	27	22	19	30	78	186	195	108	82	69
23	65	30	26	22	19	30	98	207	183	92	77	45
24	63	32	25	22	19	33	100	163	169	93	78	37
25	59	31	27	22	19	35	116	135	166	96	79	37
26	66	31	25	22	18	35	105	177	159	87	67	35
27	66	31	25	22	18	32	103	192	156	88	59	30
28	59	30	26	23	18	36	101	174	157	88	62	42
29	63	33	27	23	---	36	102	196	158	97	67	48
30	50	31	26	22	---	30	101	208	156	99	64	59
31	49	---	26	22	---	29	---	216	---	97	64	---
TOTAL	1870	1114	859	723	508	868	1741	4997	5387	4060	2591	1662
MEAN	60.3	37.1	27.7	23.3	18.1	28.0	58.0	161	180	131	83.6	55.4
AC-FT	3710	2210	1700	1430	1010	1720	3450	9910	10690	8050	5140	3300
MAX	72	49	31	27	22	36	116	222	237	161	112	70
MIN	43	29	25	22	15	18	29	86	141	87	59	30

CAL YR 1993 TOTAL 27308 MEAN 74.8 MAX 583 MIN 15 AC-FT 54170  
WTR YR 1994 TOTAL 26380 MEAN 72.3 MAX 237 MIN 15 AC-FT 52320

MAX DISCH 244 CFS AT 0300 14-MAY-1994 GH 2.90 FT. SHIFT -0.08 FT. MAX GH 2.90 FT. AT 0300 14-MAY-1994





## 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: Nov. 29, 1993-Mar. 11, 1994 when the station was closed. Oct. 11-13, when the clock was not working and Aug. 11, 1994, when high water pushed the gage-height to a level not yet measured. The graphic chart record is good, except for Aug. 11, 1994 period of high water. Station maintained and records developed by Merlin Friedrichsen.

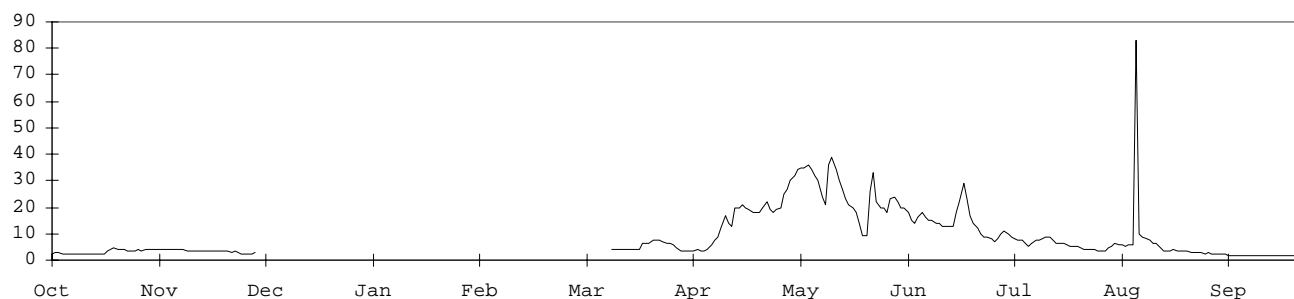
RATING TABLE.--BUCRMVCO05 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	4.0	---	---	---	---	3.7	25	23	7.1	3.7	2.9
2	2.9	4.0	---	---	---	---	3.4	27	24	7.9	3.7	2.6
3	2.9	4.0	---	---	---	---	3.4	30	22	9.8	4.9	2.6
4	2.6	4.3	---	---	---	---	3.7	32	20	11	5.3	2.6
5	2.6	4.3	---	---	---	---	3.7	34	20	10	6.2	2.4
6	2.5	4.3	---	---	---	---	4.0	35	18	8.7	5.6	2.3
7	2.3	4.3	---	---	---	---	3.7	35	15	8.3	5.7	2.0
8	2.3	4.3	---	---	---	---	3.7	36	14	7.4	5.3	2.0
9	2.3	3.7	---	---	---	---	4.3	34	16	7.4	5.7	2.0
10	2.3	3.7	---	---	---	---	5.7	32	18	6.6	5.7	1.9
11	2.3	3.7	---	---	---	---	7.4	30	16	5.3	83	1.9
12	2.3	3.7	---	---	---	4.3	8.7	24	15	6.6	9.6	1.9
13	2.3	3.7	---	---	---	4.0	12	21	15	7.3	8.8	1.9
14	2.3	3.7	---	---	---	4.0	17	36	14	7.3	8.2	1.8
15	2.6	3.7	---	---	---	4.0	14	39	14	8.3	7.4	1.8
16	2.6	3.4	---	---	---	4.0	13	34	13	8.8	6.4	1.8
17	3.2	3.4	---	---	---	4.0	20	30	13	8.5	6.2	1.8
18	4.3	3.4	---	---	---	4.0	20	27	13	7.6	5.2	1.8
19	4.6	3.4	---	---	---	4.3	21	23	13	6.1	3.5	1.7
20	4.3	3.2	---	---	---	4.3	20	21	18	6.1	3.4	1.7
21	4.3	3.2	---	---	---	6.2	19	20	22	6.3	3.7	1.8
22	4.0	2.9	---	---	---	6.6	18	18	29	5.8	4.1	1.8
23	3.7	3.2	---	---	---	6.6	18	14	23	5.1	3.4	1.7
24	3.7	2.9	---	---	---	7.8	18	9.1	17	5.4	3.4	1.8
25	3.4	2.6	---	---	---	7.4	20	9.5	14	5.2	3.2	1.7
26	4.3	2.6	---	---	---	7.4	22	26	12	4.6	3.2	1.6
27	3.7	2.3	---	---	---	7.0	19	33	9.6	4.3	2.9	1.6
28	4.0	2.3	---	---	---	6.6	18	22	8.7	4.0	2.9	1.6
29	4.3	2.9	---	---	---	6.6	19	20	8.7	3.9	2.9	1.6
30	4.3	---	---	---	---	5.7	20	20	8.3	3.8	3.1	1.6
31	4.3	---	---	---	---	4.9	---	18	---	3.7	2.6	---
TOTAL	100.1	101.1					383.4	814.6	486.3	208.2	228.9	58.2
MEAN	3.23	3.49					12.8	26.3	16.2	6.72	7.38	1.94
AC-FT	199	201					760	1620	965	413	454	115
MAX	4.6	4.3					22	39	29	11	83	2.9
MIN	2.3	2.3					3.4	9.1	8.3	3.7	2.6	1.6

CAL YR 1993 TOTAL	MEAN	MAX	MIN	AC-FT	6970
WTR YR 1994 TOTAL	2380.8	MEAN	6.52	MAX	83
		MIN	1.6	AC-FT	4720

MAX DISCH 1042 CFS AT 0115 11-AUG-1994 GH 8.90 FT. SHIFT 0.03 FT. MAX GH 8.90 FT. AT 0115 11-AUG-1994



PLATTE RIVER BASIN

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

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

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

REMARKS.--Record is complete and reliable except for the following periods: Oct. 1-8, 1993; Sep. 17-30, 1994 when canal was shut down for maintenance work. Chart gage-heights were used for the following periods: Oct. 10-13, 19-28; Nov. 8, 25; Dec. 8, 17, 1993; Feb. 5, 21, 23; Mar. 7-8; Apr. 9, 14, 28; May 26; Jun. 1-3, 5-6, 13, 22; Jul. 16-18, 20, 25; Aug. 29; Sep. 10, 1994. Record is good. Records developed by Fred H. Renner.

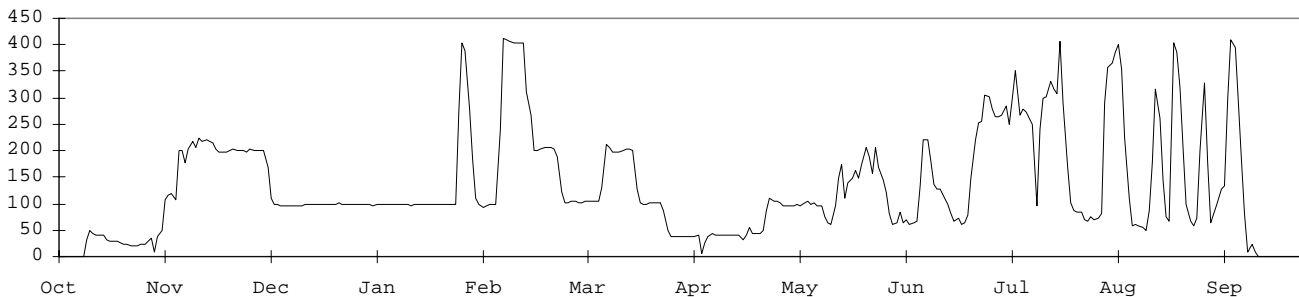
RATING TABLE.--HFCBBSC012 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	108	167	97	99	104	38	97	81	278	73	327
2	0.0	115	109	98	94	103	38	97	62	263	81	178
3	0.0	119	100	99	96	103	37	97	63	264	291	65
4	0.0	108	99	98	99	104	38	97	83	268	356	81
5	0.0	199	97	98	99	104	38	98	64	285	367	98
6	0.0	200	97	98	100	104	41	95	70	251	387	127
7	0.0	177	97	98	239	104	5.8	101	62	299	402	133
8	0.0	204	97	98	411	104	25	104	64	351	353	297
9	33	218	97	98	410	131	39	98	67	266	223	408
10	49	205	97	98	406	211	43	101	133	280	109	394
11	43	225	97	98	404	205	40	95	221	273	58	291
12	40	219	99	97	404	197	42	97	222	262	62	182
13	40	221	99	98	403	197	41	75	179	249	58	80
14	41	217	99	98	405	197	40	65	137	95	55	9.3
15	31	216	99	98	310	201	40	60	129	240	50	24
16	28	204	99	98	268	202	40	95	127	300	88	10
17	29	197	99	98	200	203	41	149	111	301	177	0.0
18	28	196	99	98	201	199	40	175	98	331	316	0.0
19	26	197	98	98	203	127	32	110	81	316	260	0.0
20	22	201	99	98	205	101	40	140	66	308	146	0.0
21	22	203	99	98	205	100	54	148	72	406	75	0.0
22	21	201	101	98	205	100	45	164	62	291	66	0.0
23	21	200	99	98	203	103	44	147	65	168	404	0.0
24	21	199	98	98	190	101	44	173	79	102	387	0.0
25	22	198	98	98	122	101	48	207	148	86	319	0.0
26	23	202	98	277	102	101	88	188	222	85	206	0.0
27	28	201	98	405	103	86	109	158	252	85	100	0.0
28	34	200	98	388	104	48	105	207	256	71	68	0.0
29	10	199	98	280	---	38	105	168	305	68	59	0.0
30	39	199	98	184	---	38	101	145	303	76	73	0.0
31	48	---	98	109	---	39	---	121	---	69	200	---
TOTAL	699	5748	3127	4092	6290	3856	1481.8	3872	3884	6987	5869	2704.3
MEAN	22.5	192	101	132	225	124	49.4	125	129	225	189	90.1
AC-FT	1390	11400	6200	8120	12480	7650	2940	7680	7700	13860	11640	5360
MAX	49	225	167	405	411	211	109	207	305	406	404	408
MIN	0.0	108	97	97	94	38	5.8	60	62	68	50	0.0

CAL YR 1993 TOTAL 46007.3 MEAN 126 MAX 508 MIN 0.00 AC-FT 91260  
WTR YR 1994 TOTAL 48610.1 MEAN 133 MAX 411 MIN 0.00 AC-FT 96420

MAX DISCH 438 CFS AT 1215 28-JAN-1994 GH 7.29 FT. SHIFT 0.00 FT. MAX GH 7.29 FT. AT 1215 28-JAN-1994



## 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.

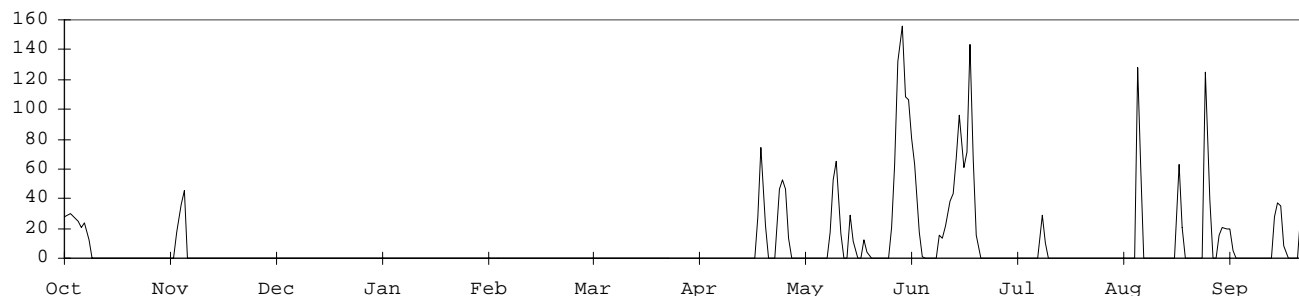
GAGE.--Graphic water-stage recorder with satellite telemetry in concrete shelter with supplemental outside staff gage at 15' Parshall flume. Station maintained by N.C.W.C.D.

REMARKS.--Record is good. Flow at station is intermittent depending on operation of power plant and flow north. The wasteway serves as both a safety valve and delivery system returning water back to the Big Thompson River. The chart record was used for the following period; June 22-24, 1994. The DCP is the primary record with the graphic chart as backup. Records developed by Fred H. Renner.

RATING TABLE.--HFCWASCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	0.0	0.0	0.0	0.0	0.0	0.0	13	63	0.0	0.0	39
2	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	132	0.0	0.0	0.0
3	30	18	0.0	0.0	0.0	0.0	0.0	0.0	156	0.0	0.0	0.0
4	27	36	0.0	0.0	0.0	0.0	0.0	0.0	108	0.0	0.0	15
5	25	45	0.0	0.0	0.0	0.0	0.0	0.0	106	0.0	0.0	21
6	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81	0.0	0.0	20
7	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	0.0	0.0	20
8	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	4.9
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	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	128	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53	15	29	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65	13	10	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	22	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	67	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	96	0.0	0.0	28
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	0.0	0.0	37
22	0.0	0.0	0.0	0.0	0.0	0.0	28	0.0	71	0.0	0.0	35
23	0.0	0.0	0.0	0.0	0.0	0.0	74	12	143	0.0	63	8.3
24	0.0	0.0	0.0	0.0	0.0	0.0	22	4.2	67	0.0	21	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	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	46	0.0	0.0	0.0	0.0	44
29	0.0	0.0	0.0	0.0	---	0.0	53	0.0	0.0	0.0	0.0	30
30	0.0	0.0	0.0	0.0	---	0.0	46	0.0	0.0	0.0	0.0	5.8
31	0.0	---	0.0	0.0	---	0.0	---	21	---	0.0	125	---
TOTAL	196	99	0.0	0.0	0.0	0.0	269	243.2	1378.89	39	398	308.0
MEAN	6.32	3.30	0.0	0.0	0.0	0.0	8.97	7.85	46.0	1.26	12.8	10.3
AC-FT	389	196	0.0	0.0	0.0	0.0	534	482	2740	77	789	611
MAX	30	45	0.0	0.0	0.0	0.0	74	65	156	29	128	44
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 1993 TOTAL		6697.5	MEAN	18.3	MAX	316	MIN	0.00	AC-FT	13280		
WTR YR 1994 TOTAL		2931.09	MEAN	8.03	MAX	156	MIN	0.00	AC-FT	5810		
MAX DISCH	487 CFS AT 1045	23-JUN-1994	GH	3.62 FT.	SHIFT	0.00 FT.	MAX GH	3.62 FT.	AT 1045	23-JUN-1994		



PLATTE RIVER BASIN

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

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

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

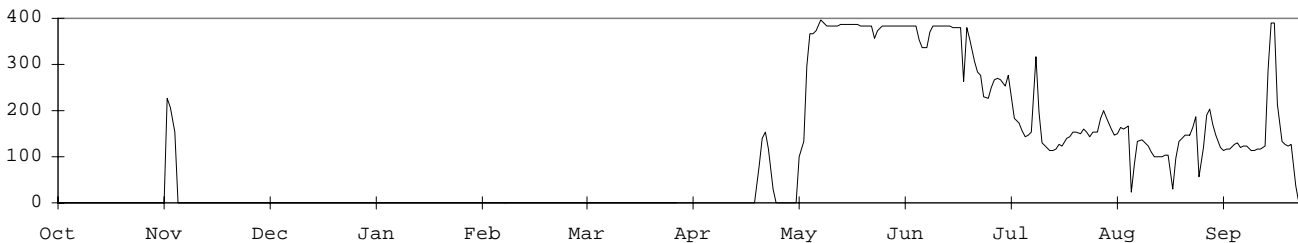
REMARKS.--Record is complete and reliable except for the following periods: Oct. 1-31; Nov. 1, 5-30; Dec. 1-31, 1993-Apr. 23, 29-30; May 1-5, 1994 when canal was off; Nov. 2-4, 1993 when pen was not working; Apr. 24-28; May 6-10, 1994 when chart trace was reading inaccurately; Aug. 5-9, 1994 when pen not inking to well. Record was computed using daily notations from Bureau of Reclamation personnel usually made at 0700 hours. This time slot represented cfs adjustments made in light of water available to Bureau for power generation. The chart records cubic feet per second not gage-heights. Station maintained by U.S. Bureau of Reclamation. Record is fair. Records developed by Fred H. Renner.

RATING TABLE.--HFCPP LCO2 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	382	249	152	121
2	0.0	228	0.0	0.0	0.0	0.0	0.0	0.0	382	268	182	189
3	0.0	208	0.0	0.0	0.0	0.0	0.0	0.0	384	271	200	203
4	0.0	152	0.0	0.0	0.0	0.0	0.0	0.0	385	266	184	169
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	385	252	161	148
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	385	278	146	120
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133	385	230	151	114
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	296	385	184	162	117
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	367	385	174	160	116
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	366	352	156	168	127
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	373	338	143	22	129
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	396	338	148	85	119
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	389	369	152	133	122
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	385	382	316	138	124
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	385	382	196	131	113
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	385	382	131	122	114
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	385	382	122	111	118
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	386	382	112	101	118
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	387	382	115	100	122
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	387	381	116	101	289
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	387	380	126	105	390
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	387	380	124	103	390
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	388	263	141	29	214
24	0.0	0.0	0.0	0.0	0.0	0.0	81	385	379	144	96	133
25	0.0	0.0	0.0	0.0	0.0	0.0	141	385	354	155	132	128
26	0.0	0.0	0.0	0.0	0.0	0.0	153	385	307	153	141	122
27	0.0	0.0	0.0	0.0	0.0	0.0	118	385	284	149	147	126
28	0.0	0.0	0.0	0.0	0.0	0.0	31	357	276	160	147	38
29	0.0	0.0	0.0	0.0	---	0.0	0.0	372	229	155	163	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	382	228	144	186	0.0
31	0.0	---	0.0	0.0	---	0.0	---	382	---	154	56	---
TOTAL	0.0	588	0.0	0.0	0.0	0.0	524	9315	10608	5484	4015	4333
MEAN	0.0	19.6	0.0	0.0	0.0	0.0	17.5	300	354	177	130	144
AC-FT	0.0	1170	0.0	0.0	0.0	0.0	1040	18480	21040	10880	7960	8590
MAX	0.0	228	0.0	0.0	0.0	0.0	153	396	385	316	200	390
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	228	112	22	0.0

CAL YR 1993 TOTAL 41575 MEAN 114 MAX 400 MIN 0.00 AC-FT 82460  
WTR YR 1994 TOTAL 34867 MEAN 95.5 MAX 396 MIN 0.00 AC-FT 69160



## PLATTE RIVER BASIN

BOULDER CREEK SUPPLY CANAL TO BOULDER CREEK NEAR BOULDER, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following periods: August 29, 1994 when chart pen did not trace for a two hour period; Oct. 1, 1993-Nov. 1, 1993 when canal was off but had seep flow; Nov. 2, 1993-Mar. 30, 1994 when canal was off for winter. Record is good. Station maintained by NCWCD. Record developed by Fred Renner.

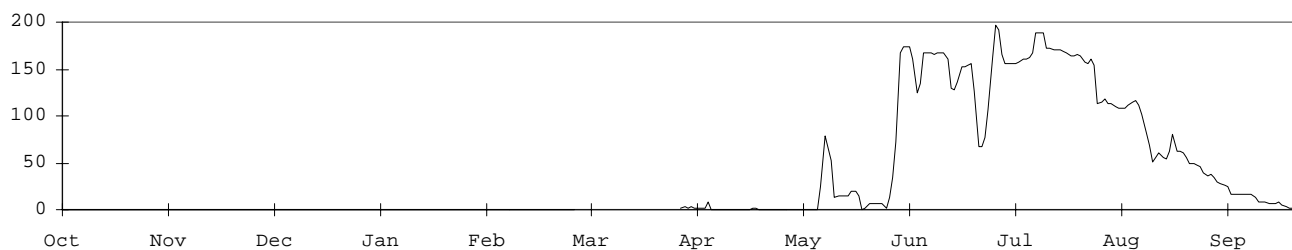
RATING TABLE.--BCSCBCCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	---	2.8	0.56	34	197	114	36
2	0.0	0.0	0.0	0.0	0.0	---	1.9	0.56	72	191	118	37
3	0.0	0.0	0.0	0.0	0.0	---	2.8	0.56	168	165	113	34
4	0.0	0.0	0.0	0.0	0.0	---	2.3	0.44	174	155	113	30
5	0.0	0.0	0.0	0.0	0.0	---	1.9	0.56	174	155	110	28
6	0.0	0.0	0.0	0.0	0.0	---	1.2	0.56	174	155	108	26
7	0.0	0.0	0.0	0.0	0.0	---	0.99	0.56	160	155	109	24
8	0.0	0.0	0.0	0.0	0.0	---	7.8	0.44	124	158	109	17
9	0.0	0.0	0.0	0.0	0.0	---	0.56	0.44	134	161	111	16
10	0.0	0.0	0.0	0.0	0.0	---	0.56	0.33	168	160	115	16
11	0.0	0.0	0.0	0.0	0.0	---	0.56	25	167	162	116	17
12	0.0	0.0	0.0	0.0	0.0	---	0.56	78	167	167	111	17
13	0.0	0.0	0.0	0.0	0.0	---	0.56	66	166	189	101	16
14	0.0	0.0	0.0	0.0	0.0	---	0.44	53	167	189	82	16
15	0.0	0.0	0.0	0.0	0.0	---	0.33	13	167	188	69	13
16	0.0	0.0	0.0	0.0	0.0	---	0.23	14	167	172	51	8.7
17	0.0	0.0	0.0	0.0	0.0	---	0.14	14	160	172	56	8.4
18	0.0	0.0	0.0	0.0	0.0	---	0.08	15	130	170	60	8.4
19	0.0	0.0	0.0	0.0	0.0	---	0.0	15	128	170	56	7.0
20	0.0	0.0	0.0	0.0	0.0	---	0.0	19	136	170	54	6.4
21	0.0	0.0	0.0	0.0	0.0	---	0.87	19	153	169	63	7.0
22	0.0	0.0	0.0	0.0	0.0	---	2.3	14	153	168	80	7.7
23	0.0	0.0	0.0	0.0	0.0	---	0.56	0.0	154	164	62	5.7
24	0.0	0.0	0.0	0.0	0.0	---	0.44	1.3	156	164	63	3.8
25	0.0	0.0	0.0	0.0	0.0	---	0.56	6.0	126	165	60	1.3
26	0.0	0.0	0.0	0.0	0.0	---	0.44	6.0	67	164	56	1.2
27	0.0	0.0	0.0	0.0	0.0	---	0.44	6.0	68	158	49	0.99
28	0.0	0.0	0.0	0.0	0.0	---	0.56	7.0	77	156	49	0.84
29	0.0	0.0	0.0	0.0	0.0	---	0.69	6.4	106	161	48	0.84
30	0.0	0.0	0.0	0.0	0.0	---	0.69	2.3	163	154	46	0.69
31	0.0	---	0.0	0.0	---	1.3	---	13	---	113	39	---
TOTAL	0.0	0.0	0.0	0.0	0.0		33.26	398.01	4160	5137	2491	411.96
MEAN	0.0	0.0	0.0	0.0	0.0		1.11	12.8	139	166	80.4	13.7
AC-FT	0.0	0.0	0.0	0.0	0.0		66	789	8250	10190	4940	817
MAX	0.0	0.0	0.0	0.0	0.0		7.8	78	174	197	118	37
MIN	0.0	0.0	0.0	0.0	0.0		0.0	0.0	34	113	39	0.69

CAL YR 1993 TOTAL	8036.50	MEAN	22.0	MAX	192	MIN	0.00	AC-FT	15940
WTR YR 1994 TOTAL	12631.23	MEAN	34.6	MAX	197	MIN	0.00	AC-FT	25050

MAX DISCH 198 CFS AT 1100 01-JUL-1994 GH 2.69 FT. SHIFT 0.00 FT. MAX GH 2.69 FT. AT 1100 01-JUL-1994



PLATTE RIVER BASIN

BOULDER CREEK FEEDER CANAL NEAR LYONS, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following period: Nov. 1, 1993-Apr. 18, 1994 when station was closed for the winter. Record is good. Station maintained by NCWCD. Record developed by Fred Renner.

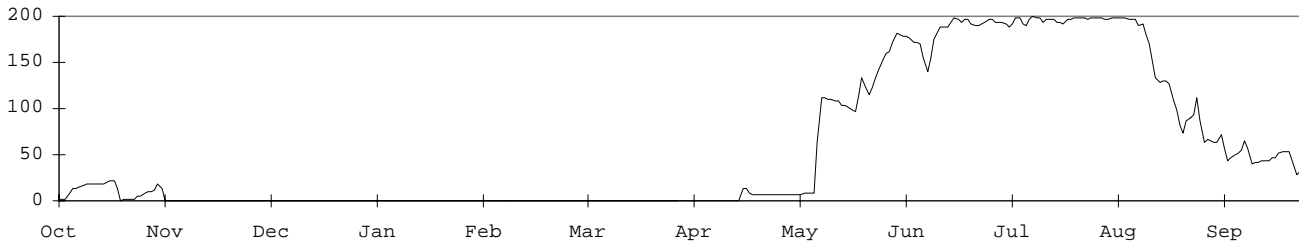
RATING TABLE.--BFCLYOCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	6.2	161	196	199	64
2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	6.2	171	193	199	67
3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	6.8	182	193	197	65
4	8.2	0.0	0.0	0.0	0.0	0.0	0.0	7.5	180	193	197	63
5	13	0.0	0.0	0.0	0.0	0.0	0.0	7.5	179	192	199	64
6	14	0.0	0.0	0.0	0.0	0.0	0.0	6.5	179	188	199	71
7	15	0.0	0.0	0.0	0.0	0.0	0.0	9.0	177	192	198	57
8	17	0.0	0.0	0.0	0.0	0.0	0.0	8.2	172	199	198	43
9	18	0.0	0.0	0.0	0.0	0.0	0.0	8.6	172	199	198	47
10	19	0.0	0.0	0.0	0.0	0.0	0.0	9.0	170	192	197	50
11	19	0.0	0.0	0.0	0.0	0.0	0.0	64	155	190	197	51
12	19	0.0	0.0	0.0	0.0	0.0	0.0	111	140	197	196	55
13	19	0.0	0.0	0.0	0.0	0.0	0.0	111	155	200	190	65
14	19	0.0	0.0	0.0	0.0	0.0	0.0	110	175	198	191	56
15	20	0.0	0.0	0.0	0.0	0.0	0.0	110	182	198	180	40
16	22	0.0	0.0	0.0	0.0	0.0	0.0	109	188	194	170	41
17	22	0.0	0.0	0.0	0.0	0.0	0.0	108	188	196	152	42
18	14	0.0	0.0	0.0	0.0	0.0	0.0	104	188	197	134	43
19	0.71	0.0	0.0	0.0	0.0	0.0	13	104	194	197	129	43
20	1.9	0.0	0.0	0.0	0.0	0.0	13	102	198	194	130	44
21	1.4	0.0	0.0	0.0	0.0	0.0	7.9	99	196	193	130	46
22	1.2	0.0	0.0	0.0	0.0	0.0	7.5	96	193	192	127	47
23	2.4	0.0	0.0	0.0	0.0	0.0	6.8	114	196	196	108	52
24	4.7	0.0	0.0	0.0	0.0	0.0	6.8	133	196	197	99	54
25	4.7	0.0	0.0	0.0	0.0	0.0	7.5	122	191	198	81	54
26	8.2	0.0	0.0	0.0	0.0	0.0	7.2	115	190	198	74	54
27	10	0.0	0.0	0.0	0.0	0.0	6.8	123	190	199	86	44
28	10	0.0	0.0	0.0	0.0	0.0	6.2	133	191	199	90	28
29	11	0.0	0.0	0.0	---	0.0	6.2	142	194	197	94	31
30	18	0.0	0.0	0.0	---	0.0	6.2	154	196	198	111	32
31	14	---	0.0	0.0	---	0.0	---	160	---	198	86	---
TOTAL	352.61	0.0	0.0	0.0	0.0	0.0	95.1	2499.5	5439	6063	4736	1513
MEAN	11.4	0.0	0.0	0.0	0.0	0.0	3.17	80.6	181	196	153	50.4
AC-FT	699	0.0	0.0	0.0	0.0	0.0	189	4960	10790	12030	9390	3000
MAX	22	0.0	0.0	0.0	0.0	0.0	13	160	198	200	199	71
MIN	0.71	0.0	0.0	0.0	0.0	0.0	0.0	6.2	140	188	74	28

CAL YR 1993 TOTAL 13640.81 MEAN 37.4 MAX 196 MIN 0.00 AC-FT 27060  
WTR YR 1994 TOTAL 20698.21 MEAN 56.7 MAX 200 MIN 0.00 AC-FT 41050

MAX DISCH 204 CFS AT 0715 11-AUG-1994 GH 2.75 FT. SHIFT 0.00 FT. MAX GH 2.75 FT. AT 0715 11-AUG-1994



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.--Station maintained by NCWCD. Record is complete and reliable except for the following period: Oct. 1, 1993-08:20 hrs. May 23, 1994; Sept. 10, 1994 at 08:00 hrs.-Sept. 30, 1994 when station was closed for the winter. Record is good. Record developed by Fred Renner.

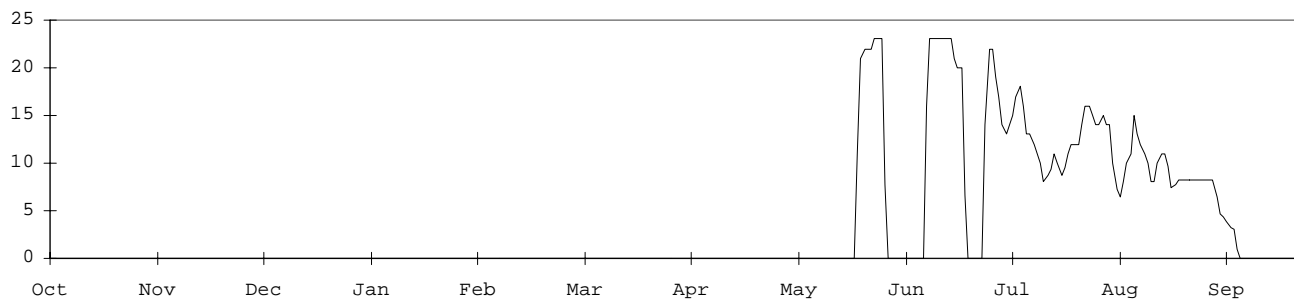
RATING TABLE.--BFCLHCCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	22	14	8.3
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	15	8.3
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	14	8.3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	14	6.4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	10	4.7
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	7.3	4.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	6.4	3.8
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	8.1	3.2
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	10	3.1
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	11	1.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	15	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	13	13	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	12	12	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	11	11	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	10	10	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	8.1	8.1	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	8.7	8.1	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	9.3	10	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	11	11	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	10	11	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	8.7	9.7	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	9.5	7.5	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	6.6	11	7.7	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	12	8.3	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	12	8.3	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	12	8.3	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	14	8.3	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	16	8.3	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	23	14	16	8.3	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	23	22	15	8.3	0.0
31	0.0	---	0.0	0.0	---	0.0	---	7.7	---	14	8.3	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	174.7	280.6	411.3	310.3	51.5
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.64	9.35	13.3	10.0	1.72
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	347	557	816	615	102
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	23	22	15	8.3
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	6.4	0.0

CAL YR 1993 TOTAL 674.68 MEAN 1.85 MAX 20 MIN 0.00 AC-FT 1340  
WTR YR 1994 TOTAL 1228.4 MEAN 3.37 MAX 23 MIN 0.00 AC-FT 2440

MAX DISCH 23 CFS AT 0900 24-MAY-1994 GH 1.26 FT. SHIFT 0.00 FT. MAX GH 1.26 FT. AT 0900 24-MAY-1994



PLATTE RIVER BASIN

DRY CREEK TURNOUT NEAR NIWOT, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following period: Nov. 2, 1993-May 9, 1994 when the station was closed. Record is good. Station maintained by NCWCD. Record developed by Fred Renner.

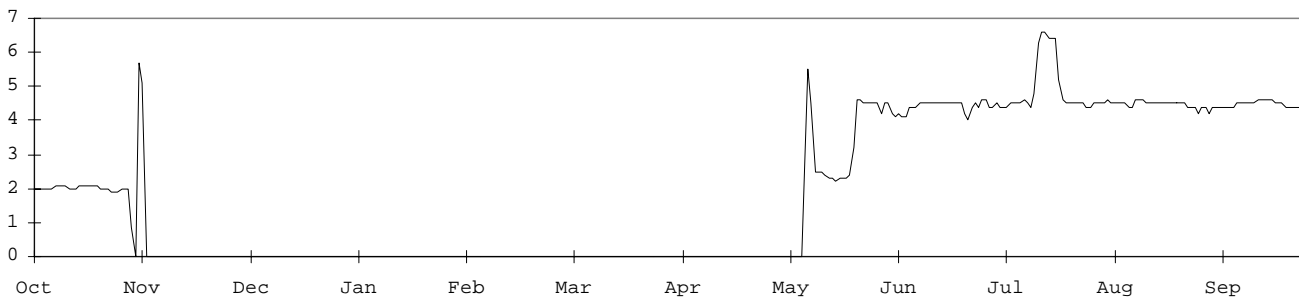
RATING TABLE.--DRYCRKCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.6	4.5	4.4
2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.4	4.5	4.4
3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.4	4.5	4.2
4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.5	4.5	4.4
5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.4	4.6	4.4
6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.4	4.5	4.4
7	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.4	4.5	4.4
8	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.5	4.5	4.4
9	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.5	4.5	4.4
10	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.8	4.4	4.5	4.5	4.4
11	2.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	4.4	4.5	4.4	4.5
12	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5	4.6	4.4	4.5
13	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.5	4.5	4.6	4.5
14	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.5	4.4	4.6	4.5
15	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.5	4.8	4.6	4.5
16	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.5	6.3	4.5	4.5
17	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.5	6.6	4.5	4.6
18	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.5	6.6	4.5	4.6
19	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.5	6.4	4.5	4.6
20	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.5	6.4	4.5	4.6
21	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.5	6.4	4.5	4.6
22	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.5	5.2	4.5	4.5
23	1.9	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.5	4.6	4.5	4.5
24	1.9	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.5	4.5	4.5	4.5
25	1.9	0.0	0.0	0.0	0.0	0.0	0.0	4.6	4.2	4.5	4.5	4.4
26	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	4.0	4.5	4.5	4.4
27	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.4	4.5	4.5	4.4
28	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5	4.5	4.4	4.4
29	0.86	0.0	0.0	0.0	---	0.0	0.0	4.5	4.4	4.5	4.4	4.4
30	0.0	0.0	0.0	0.0	---	0.0	0.0	4.5	4.6	4.4	4.4	4.4
31	5.7	---	0.0	0.0	---	0.0	---	4.5	---	4.4	4.2	---
TOTAL	63.26	5.1	0.0	0.0	0.0	0.0	0.0	73.7	131.7	151.7	139.1	133.7
MEAN	2.04	0.17	0.0	0.0	0.0	0.0	0.0	2.38	4.39	4.89	4.49	4.46
AC-FT	125	10	0.0	0.0	0.0	0.0	0.0	146	261	301	276	265
MAX	5.7	5.1	0.0	0.0	0.0	0.0	0.0	5.5	4.6	6.6	4.6	4.6
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.4	4.2	4.2

CAL YR 1993 TOTAL 642.84 MEAN 1.76 MAX 6.7 MIN 0.00 AC-FT 1280  
WTR YR 1994 TOTAL 698.26 MEAN 1.91 MAX 6.6 MIN 0.00 AC-FT 1380

MAX DISCH 11 CFS AT 2000 31-OCT-1993 GH 1.08 FT. SHIFT -0.01 FT. MAX GH 1.08 FT. AT 2000 31-OCT-1993





## 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.--Graphic A-35 water-stage recorder.

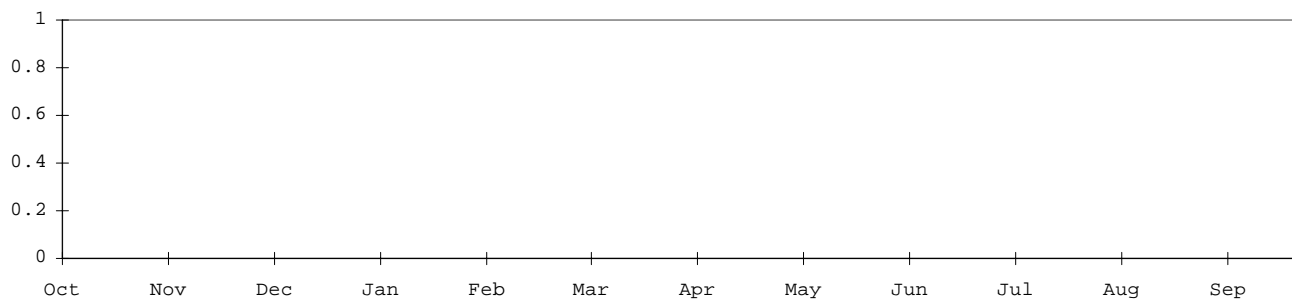
REMARKS.--Station maintained by NCWCD. No flow this water year. Last time flow was recorded according to NCWCD personnel was July-Sep. 1975. Record developed by Fred Renner.

RATING TABLE.--HFCCRCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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 1993 TOTAL	0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00
WTR YR 1994 TOTAL	0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00



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.--Station maintained by NCWCD. Record is complete and reliable except for the following period; Oct. 1, 1993-Jun. 22, 1994 when canal was off; Jul. 9-10, 19-20, 1994 when pen skipped; Aug. 13-14, 1994 when clock was running fast; Aug. 25-Sep. 30, 1994 when canal was off. There was some seep during this time which was not computed for the water year. Record is good. Record developed by Fred Renner.

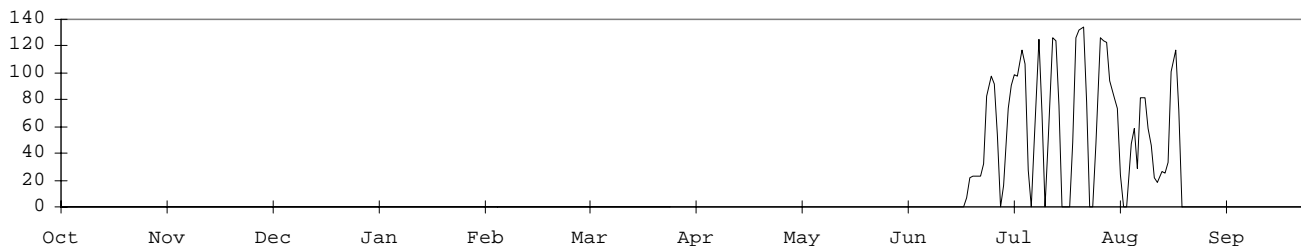
RATING TABLE.--SPSCFLCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	92	126	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	124	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	123	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	94	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74	81	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91	74	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99	24	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107	47	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	59	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	81	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125	81	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70	59	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	22	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	126	18	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	124	26	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76	25	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	117
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	48	72
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	126	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	132	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	134	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	78	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	83	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	97	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	47	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	310.3	1963	1462	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	63.3	47.2	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	615	3890	2900	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97	134	126	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 1993 TOTAL 2812.5 MEAN 7.71 MAX 97 MIN 0.00 AC-FT 5580  
WTR YR 1994 TOTAL 3735.3 MEAN 10.2 MAX 134 MIN 0.00 AC-FT 7410

MAX DISCH 142 CFS AT 1145 26-JUL-1994 GH 2.52 FT. SHIFT 0.00 FT. MAX GH 2.52 FT. AT 1145 26-JUL-1994



PLATTE RIVER BASIN

ST. VRAIN SUPPLY CANAL NEAR LYONS, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following period: Nov. 1, 1993-Apr. 3, 1994 when station was closed for the winter. Record is good. Station maintained by NCWCD. Record developed by Fred Renner.

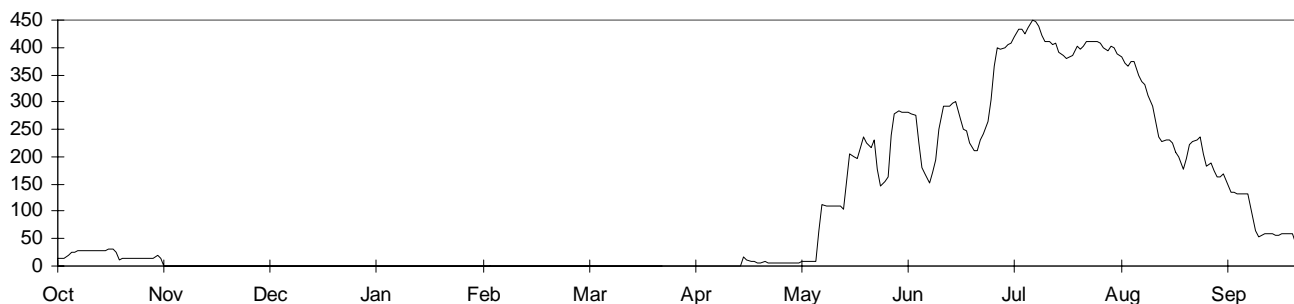
RATING TABLE.--SVSLYOCO05 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	0.0	0.0	0.0	0.0	0.0	0.0	6.0	238	366	408	184
2	14	0.0	0.0	0.0	0.0	0.0	0.0	6.0	279	400	398	188
3	14	0.0	0.0	0.0	0.0	0.0	0.0	6.4	284	396	394	174
4	20	0.0	0.0	0.0	0.0	0.0	0.0	6.8	282	400	402	164
5	25	0.0	0.0	0.0	0.0	0.0	0.0	6.8	280	406	400	162
6	25	0.0	0.0	0.0	0.0	0.0	0.0	7.2	280	408	388	168
7	27	0.0	0.0	0.0	0.0	0.0	0.0	9.0	279	420	383	150
8	28	0.0	0.0	0.0	0.0	0.0	0.0	8.1	277	432	371	135
9	28	0.0	0.0	0.0	0.0	0.0	0.0	8.1	224	434	366	135
10	28	0.0	0.0	0.0	0.0	0.0	0.0	8.6	179	424	375	133
11	27	0.0	0.0	0.0	0.0	0.0	0.0	64	168	436	373	133
12	27	0.0	0.0	0.0	0.0	0.0	0.0	112	153	450	348	132
13	27	0.0	0.0	0.0	0.0	0.0	0.0	111	171	448	337	132
14	27	0.0	0.0	0.0	0.0	0.0	0.0	110	195	440	333	105
15	28	0.0	0.0	0.0	0.0	0.0	0.0	110	249	422	313	66
16	30	0.0	0.0	0.0	0.0	0.0	0.0	109	293	410	293	54
17	32	0.0	0.0	0.0	0.0	0.0	0.0	109	293	410	263	56
18	24	0.0	0.0	0.0	0.0	0.0	0.0	103	293	406	236	59
19	11	0.0	0.0	0.0	0.0	0.0	16	156	298	408	228	59
20	14	0.0	0.0	0.0	0.0	0.0	11	204	300	390	230	60
21	14	0.0	0.0	0.0	0.0	0.0	7.7	201	270	385	230	56
22	13	0.0	0.0	0.0	0.0	0.0	7.2	196	249	381	226	57
23	13	0.0	0.0	0.0	0.0	0.0	6.4	216	247	383	208	60
24	14	0.0	0.0	0.0	0.0	0.0	6.4	235	224	385	199	60
25	14	0.0	0.0	0.0	0.0	0.0	7.2	224	212	402	177	60
26	15	0.0	0.0	0.0	0.0	0.0	6.8	216	212	396	196	60
27	14	0.0	0.0	0.0	0.0	0.0	6.4	230	231	402	223	43
28	15	0.0	0.0	0.0	0.0	0.0	6.0	178	243	410	228	28
29	15	0.0	0.0	0.0	---	0.0	6.4	147	264	410	230	30
30	20	0.0	0.0	0.0	---	0.0	6.0	156	304	412	236	32
31	13	---	0.0	0.0	---	0.0	---	164	---	412	204	---
TOTAL	629	0.0	0.0	0.0	0.0	0.0	93.5	3424.0	7471	12684	9196	2935
MEAN	20.3	0.0	0.0	0.0	0.0	0.0	3.12	110	249	409	297	97.8
AC-FT	1250	0.0	0.0	0.0	0.0	0.0	185	6790	14820	25160	18240	5820
MAX	32	0.0	0.0	0.0	0.0	0.0	16	235	304	450	408	188
MIN	11	0.0	0.0	0.0	0.0	0.0	0.0	6.0	153	366	177	28

CAL YR 1993 TOTAL 23696.4 MEAN 64.9 MAX 462 MIN 0.00 AC-FT 47000  
WTR YR 1994 TOTAL 36432.5 MEAN 99.8 MAX 450 MIN 0.00 AC-FT 72260

MAX DISCH 508 CFS AT 2230 10-AUG-1994 GH 3.75 FT. SHIFT 0.00 FT. MAX GH 3.75 FT. AT 2230 10-AUG-1994



PLATTE RIVER BASIN

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

LOCATION.--Lat 40°15'20", long 105°12'34", SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec. 3, T.3 N., R.70 W., Boulder County.

DRAINAGE AREA.--N/A

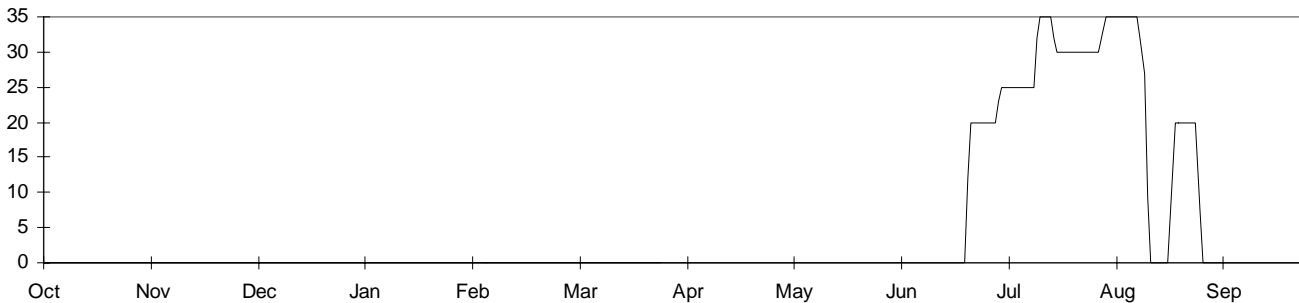
GAGE.--Graphic A-35 water-stage recorder in a 42" metal shelter at a 4' Parshall flume with electric drop tape as reference and outside staff gage.

REMARKS.--Station maintained by NCWCD. Record is complete and reliable for Jun. 25, 1994-Aug. 31, 1994 when the station was open. Record is good. Record developed by Merlin Friedrichsen.

RATING TABLE.--SVSLT1C001 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	30	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	30	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	33	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	35	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	35	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	35	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	35	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	35	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	35	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	35	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	35	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	35	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	35	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	32	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	27	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	9.4	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	12	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	20	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	30	20	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	30	20	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	30	20	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	30	20	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	20	30	20	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	20	30	20	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	30	7.5	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112	867	670.9	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.73	28.0	21.6	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	222	1720	1330	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	35	35	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
CAL YR 1993 TOTAL	1206.5		MEAN	3.31	MAX	45	MIN	0.00	AC-FT	2390		
WTR YR 1994 TOTAL	1649.9		MEAN	4.52	MAX	35	MIN	0.00	AC-FT	3270		



## PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

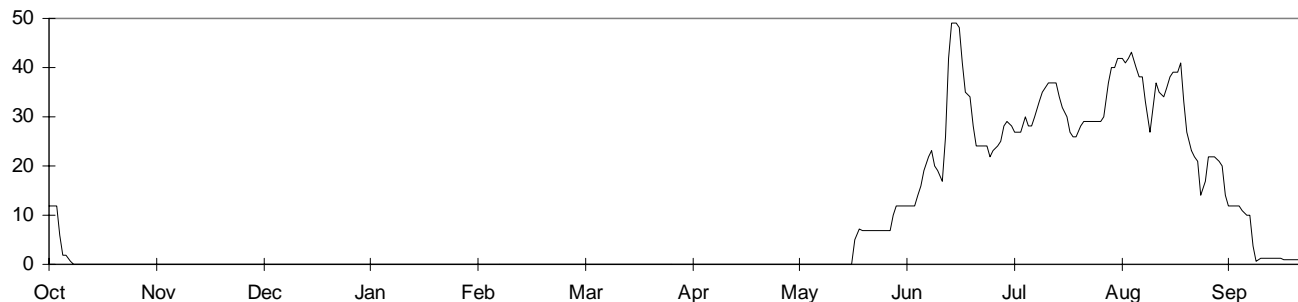
GAGE.--Graphic A-35 water-stage recorder in a 42" metal shelter at a 4' Parshall flume with electric drop tape as reference and outside staff gage.

REMARKS.--Station maintained by NCWCD. Record is complete and reliable for Oct. 1-7, 1993 and May 22-Sep. 30, 1994 when the station was open except for Jun. 19-20, 1994 when the ink pen quit working. The record is good. Record developed by Merlin Friedrichsen.

RATING TABLE.--SVSLT2C003 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	23	29	22
2	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	24	30	22
3	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	25	37	22
4	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	28	40	21
5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	29	40	20
6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	28	42	14
7	0.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	27	42	12
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	27	41	12
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	27	42	12
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	30	43	12
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	28	40	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	28	38	10
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	30	38	10
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	33	33	3.8
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	35	27	0.70
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	36	32	1.2
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	37	37	1.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	37	35	1.1
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	37	34	1.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	34	36	1.1
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	32	38	1.1
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	41	30	39	1.1
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	35	27	39	0.98
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	34	26	41	0.98
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	28	26	33	0.98
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	24	28	27	0.98
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	24	29	23	0.98
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	24	29	22	0.98
29	0.0	0.0	0.0	0.0	---	0.0	0.0	7.0	24	29	21	0.98
30	0.0	0.0	0.0	0.0	---	0.0	0.0	7.0	22	29	14	1.1
31	0.0	---	0.0	0.0	---	0.0	---	7.0	---	29	17	---
TOTAL	46.78	0.0	0.0	0.0	0.0	0.0	0.0	68.1	709.0	917	1050	220.36
MEAN	1.51	0.0	0.0	0.0	0.0	0.0	0.0	2.20	23.6	29.6	33.9	7.35
AC-FT	93	0.0	0.0	0.0	0.0	0.0	0.0	135	1410	1820	2080	437
MAX	12	0.0	0.0	0.0	0.0	0.0	0.0	7.2	49	37	43	22
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	23	14	0.70
CAL YR 1993 TOTAL		3511.58	MEAN	9.62	MAX	40	MIN	0.00	AC-FT	6970		
WTR YR 1994 TOTAL		3011.24	MEAN	8.25	MAX	49	MIN	0.00	AC-FT	5970		



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.--Station maintained by NCWCD. Record is complete and reliable. The station was closed for most of the year due to work on new pipeline starting at Carter Lake. Record is good. Record developed by Fred Renner.

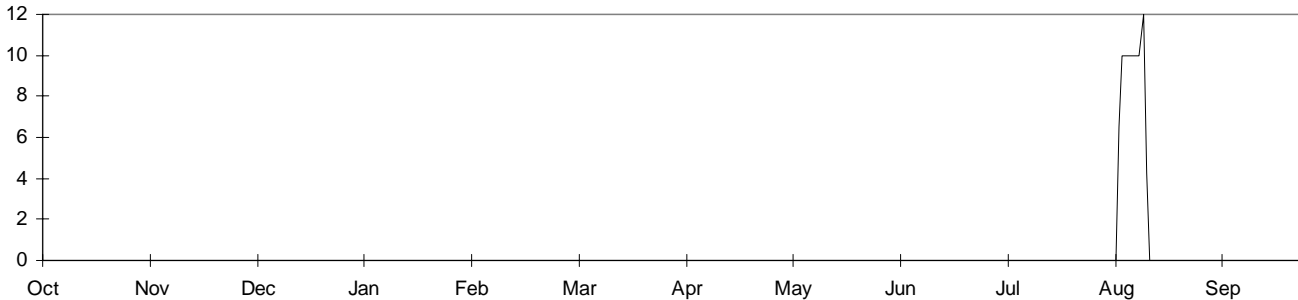
RATING TABLE.--SVSHERCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	6.5	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	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	82.8	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.67	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	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 1993 TOTAL 372.7 MEAN 1.02 MAX 12 MIN 0.00 AC-FT 739  
WTR YR 1994 TOTAL 82.8 MEAN 0.23 MAX 12 MIN 0.00 AC-FT 164

MAX DISCH 14 CFS AT 0745 15-AUG-1994 GH 0.90 FT. SHIFT 0.00 FT. MAX GH 0.90 FT. AT 0745 15-AUG-1994



## PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

REMARKS.--Station maintained by NCWCD. Estimated days are DCP data from NCWCD. These values are used when no water was ordered to the Cache La Poudre River. This represents seepage. These days are: Oct. 1-10, 21-31, 1993; Apr. 19-23, 26-30; May 1, 30-31; Jun. 1-8; and Sep. 19-20, 1994. DCP values were also used on Aug. 20, 27-31; and Sep. 1-3, 10-18, 21-30, 1994. These days had water ordered but very small amounts ranging from 3.75 to 15.5 cfs. Record developed by George Sievers.

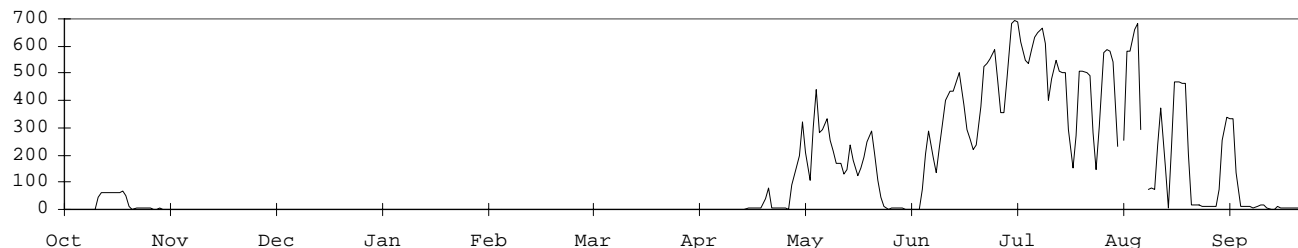
RATING TABLE.--HSCCLPCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	2.8	3.3	474	576	10
2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	91	3.2	355	587	9.5
3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	151	3.1	355	583	9.8
4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	200	2.8	478	542	75
5	0.68	0.0	0.0	0.0	0.0	0.0	0.0	320	1.7	684	232	256
6	0.43	0.0	0.0	0.0	0.0	0.0	0.0	211	2.2	693	---	340
7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	106	2.2	687	254	335
8	0.74	0.0	0.0	0.0	0.0	0.0	0.0	301	2.5	614	583	335
9	0.65	0.0	0.0	0.0	0.0	0.0	0.0	440	75	550	583	138
10	1.1	0.0	0.0	0.0	0.0	0.0	0.0	284	201	539	662	9.4
11	46	0.0	0.0	0.0	0.0	0.0	0.0	296	290	588	683	9.2
12	62	0.0	0.0	0.0	0.0	0.0	0.0	335	192	631	292	10
13	62	0.0	0.0	0.0	0.0	0.0	0.0	255	135	651	---	8.6
14	62	0.0	0.0	0.0	0.0	0.0	0.0	213	227	666	73	5.4
15	63	0.0	0.0	0.0	0.0	0.0	0.0	168	313	608	79	8.6
16	63	0.0	0.0	0.0	0.0	0.0	0.0	171	403	398	75	16
17	64	0.0	0.0	0.0	0.0	0.0	0.0	128	437	478	235	15
18	65	0.0	0.0	0.0	0.0	0.0	0.0	147	435	545	370	5.1
19	50	0.0	0.0	0.0	0.0	0.0	7.0	239	467	507	156	2.0
20	14	0.0	0.0	0.0	0.0	0.0	3.0	181	500	505	7.6	1.8
21	0.74	0.0	0.0	0.0	0.0	0.0	4.9	125	383	500	228	8.5
22	3.9	0.0	0.0	0.0	0.0	0.0	6.2	152	293	293	470	8.2
23	3.7	0.0	0.0	0.0	0.0	0.0	6.5	193	258	155	470	6.9
24	3.7	0.0	0.0	0.0	0.0	0.0	40	248	220	272	464	6.9
25	3.4	0.0	0.0	0.0	0.0	0.0	77	289	239	510	462	6.9
26	3.2	0.0	0.0	0.0	0.0	0.0	7.6	201	377	507	206	6.8
27	2.6	0.0	0.0	0.0	0.0	0.0	6.6	108	526	505	16	6.7
28	2.2	0.0	0.0	0.0	0.0	0.0	4.8	47	536	492	16	6.4
29	5.1	0.0	0.0	0.0	---	0.0	3.4	9.6	553	281	16	6.3
30	2.6	0.0	0.0	0.0	---	0.0	3.0	2.8	585	149	12	5.2
31	0.63	---	0.0	0.0	---	0.0	---	3.0	---	305	9.9	---
TOTAL	592.88	0.0	0.0	0.0	0.0	0.0	170.0	5618.2	7666.0	14975		1668.2
MEAN	19.1	0.0	0.0	0.0	0.0	0.0	5.67	181	256	483		55.6
AC-FT	1180	0.0	0.0	0.0	0.0	0.0	337	11140	15210	29700		3310
MAX	65	0.0	0.0	0.0	0.0	0.0	77	440	585	693		340
MIN	0.43	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.7	149		1.8

CAL YR 1993 TOTAL 20816.35 MEAN 57.0 MAX 688 MIN 0.00 AC-FT 41290  
WTR YR 1994 TOTAL 30690.28 MEAN 84.1 MAX 693 MIN 0.00 AC-FT 60870

MAX DISCH 881 CFS AT 0030 11-AUG-1994 GH 4.50 FT. SHIFT 0.00 FT. MAX GH 4.50 FT. AT 0030 11-AUG-1994



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. Record developed by George Sievers.

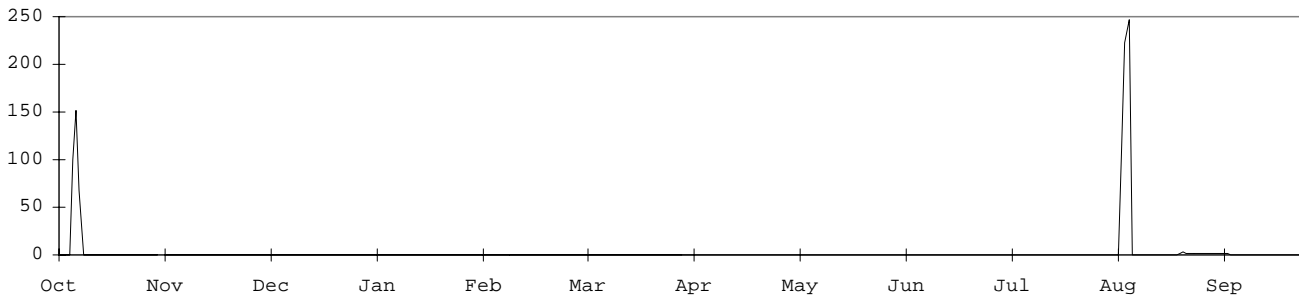
RATING TABLE.--HSCPVD002 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	2.3
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
5	100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
6	151	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
7	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112	0.89
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	222	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	246	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	1.6	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0
29	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	2.3	0.0
30	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	2.3	0.0
31	---	---	0.0	0.0	---	0.0	---	0.0	---	0.0	2.3	---
TOTAL	318	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	595.7	16.99
MEAN	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	0.57
AC-FT	631	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1180	34
MAX	151	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	246	2.3
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 1993 TOTAL 4061.40 MEAN 11.1 MAX 251 MIN 0.00 AC-FT 8060  
WTR YR 1994 TOTAL 930.69 MEAN 2.55 MAX 246 MIN 0.00 AC-FT 1850

MAX DISCH 261 CFS AT 0600 10-AUG-1994 GH 2.93 FT. SHIFT 0.00 FT. MAX GH 2.93 FT. AT 0600 10-AUG-1994





## PLATTE RIVER BASIN

LITTLE THOMPSON RIVER @ CANYON MOUTH NEAR BERTHOUD, CO

LOCATION.--

DRAINAGE AREA.--

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

REMARKS.--Record is complete and reliable except for the following periods: Nov. 2, 1993-Mar. 16, 1994 when the station was closed; Aug. 10-11, 1994 when the gage-height exceeded the rating table. Record is good except for Aug. 10-11, 1994 which is considered poor because of computer estimation due to lack of measurement at this level. Station maintained and records developed by Merlin Friedrichsen.

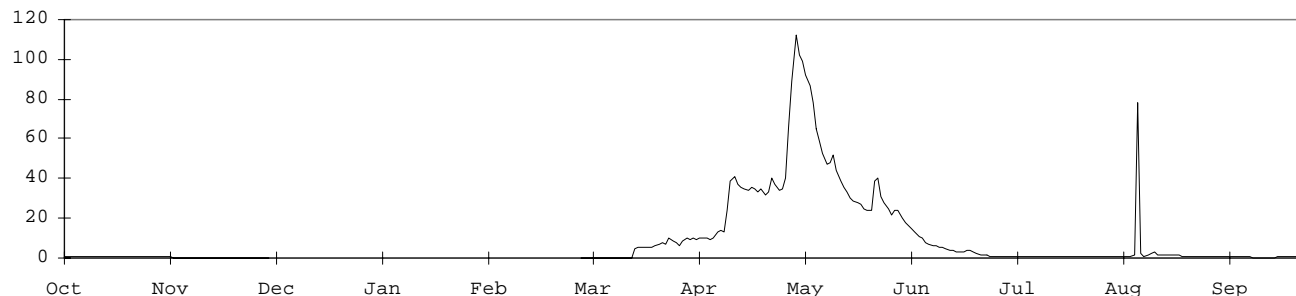
RATING TABLE.--LTCANYCO10 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.42	0.77	---	---	---	0.0	9.8	66	24	0.95	0.53	0.82
2	0.44	0.0	---	---	---	0.0	9.3	89	24	0.92	0.51	0.77
3	0.44	0.0	---	---	---	0.0	10	112	20	0.89	0.51	0.70
4	0.43	0.0	---	---	---	0.0	9.6	102	18	0.83	0.51	0.66
5	0.40	0.0	---	---	---	0.0	10	99	16	0.80	0.51	0.61
6	0.40	0.0	---	---	---	0.0	9.8	92	15	0.77	0.47	0.57
7	0.41	0.0	---	---	---	0.0	9.8	87	13	0.77	0.46	0.55
8	0.43	0.0	---	---	---	0.0	9.3	78	11	0.75	0.47	0.50
9	0.44	0.0	---	---	---	0.0	10	65	9.8	0.70	0.47	0.47
10	0.44	0.0	---	---	---	0.0	13	59	7.8	0.68	1.3	0.46
11	0.43	0.0	---	---	---	0.0	14	53	6.9	0.68	78	0.43
12	0.44	0.0	---	---	---	0.0	13	47	6.2	0.64	2.3	0.43
13	0.44	0.0	---	---	---	0.0	24	48	5.9	0.64	1.1	0.40
14	0.44	0.0	---	---	---	0.0	39	52	5.6	0.68	1.3	0.38
15	0.45	0.0	---	---	---	0.0	41	44	5.3	0.68	2.1	0.36
16	0.46	0.0	---	---	---	0.0	37	39	4.6	0.66	2.8	0.34
17	0.51	0.0	---	---	---	4.3	36	36	4.0	0.64	1.9	0.34
18	0.55	0.0	---	---	---	5.4	35	33	3.5	0.64	1.7	0.35
19	0.49	0.0	---	---	---	5.6	34	30	3.1	0.61	1.6	0.35
20	0.47	0.0	---	---	---	5.5	36	29	2.9	0.63	1.5	0.37
21	0.47	0.0	---	---	---	5.8	35	28	3.2	0.63	1.4	0.41
22	0.46	0.0	---	---	---	5.1	33	27	3.8	0.63	1.3	0.46
23	0.46	0.0	---	---	---	6.2	35	25	3.8	0.61	1.2	0.41
24	0.46	0.0	---	---	---	7.2	32	24	2.9	0.61	1.1	0.41
25	0.44	0.0	---	---	---	7.4	33	24	2.1	0.61	1.0	0.41
26	0.46	0.0	---	---	---	7.2	40	39	1.6	0.59	0.98	0.41
27	0.44	0.0	---	---	---	9.8	37	40	1.3	0.57	0.93	0.40
28	0.46	0.0	---	---	---	8.5	34	31	1.2	0.59	0.93	0.40
29	0.51	0.0	---	---	---	7.9	35	28	1.1	0.57	0.90	0.38
30	0.63	0.0	---	---	---	6.5	40	25	1.0	0.53	0.88	0.43
31	0.68	---	---	---	---	8.9	---	22	---	0.51	0.85	---
TOTAL	14.35	0.77				101.3	763.6	1573	228.6	21.00	111.52	13.94
MEAN	0.46	0.03				3.27	25.5	50.7	7.62	0.68	3.60	0.46
AC-FT	28	1.5				201	1510	3120	453	42	221	28
MAX	0.68	0.77				9.8	41	112	24	0.95	78	0.82
MIN	0.40	0.0				0.0	9.3	22	1.0	0.51	0.46	0.34

CAL YR 1993 TOTAL MEAN MAX MIN AC-FT 6970  
WTR YR 1994 TOTAL 2828.09 MEAN 7.75 MAX 112 MIN 0.00 AC-FT 5610

MAX DISCH 1258 CFS AT 0030 11-AUG-1994 GH 5.40 FT. SHIFT 0.15 FT. MAX GH 5.40 FT. AT 0030 11-AUG-1994



PLATTE RIVER BASIN

06744000 BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--The DCP is the primary source of record. Record is complete and reliable. The stage-discharge relation was affected by ice on Nov. 25-27, 1993; Dec. 15, 17-25, 1993; Jan. 28-31, 1994; Feb. 1-8, 10-15, 1994. Chart values were used May 25-31, 1994; Jun. 1-2, 27-29, 1994 when DCP was off. Record good, except for the winter partial day record, which is fair. Station maintained and records developed by Merlin E. Friedrichsen.

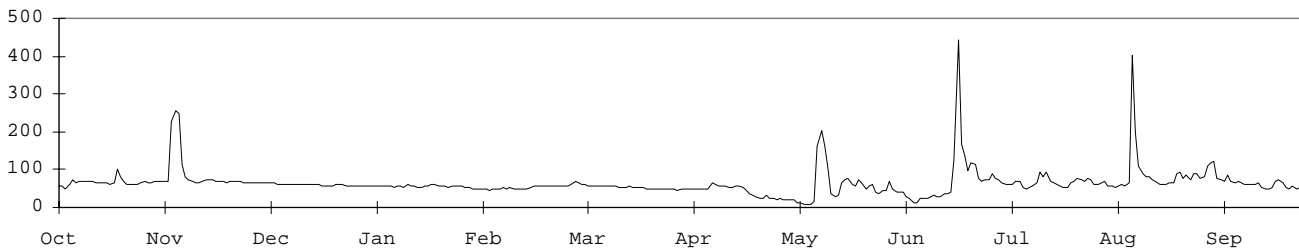
RATING TABLE.--BIGLASCO23 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	70	67	55	48	68	47	21	71	91	60	82
2	55	68	66	55	47	64	48	20	50	79	64	110
3	49	229	65	56	47	62	47	20	41	72	68	116
4	63	256	63	55	46	61	48	19	40	65	58	122
5	74	246	62	57	47	58	48	14	40	62	55	79
6	67	112	62	55	48	58	48	13	30	59	53	72
7	68	81	63	54	50	57	50	9.4	23	63	55	69
8	70	72	63	56	52	57	49	8.0	11	71	59	85
9	69	68	63	56	48	57	48	7.9	14	71	58	71
10	68	66	63	54	51	58	65	16	25	54	65	65
11	68	64	61	59	50	55	62	161	24	47	404	68
12	67	71	62	58	50	55	58	204	25	52	201	64
13	66	73	62	56	50	55	57	162	28	55	110	61
14	65	74	61	53	50	54	55	104	31	64	90	63
15	65	74	59	53	50	53	53	36	30	92	83	62
16	62	69	59	55	54	53	54	28	29	81	81	63
17	66	69	56	56	55	55	55	32	35	92	73	64
18	100	70	56	62	57	54	56	64	38	69	69	51
19	83	65	56	62	57	53	54	73	41	66	63	48
20	68	68	58	55	56	52	43	79	126	62	62	47
21	63	69	59	56	55	53	35	62	444	56	60	51
22	61	70	59	56	55	50	32	56	165	52	66	70
23	61	70	59	54	56	50	27	72	140	54	66	75
24	62	64	58	57	57	48	26	64	96	66	89	64
25	64	66	56	55	55	49	26	47	116	70	93	51
26	68	66	55	57	56	48	32	56	113	79	77	50
27	66	64	56	56	55	48	26	59	76	74	84	55
28	67	66	56	53	60	47	26	39	69	68	75	47
29	70	65	56	52	---	49	21	37	74	78	88	54
30	68	67	56	50	---	47	23	46	72	73	90	55
31	69	---	55	48	---	46	---	43	---	62	79	---
TOTAL	2067	2632	1852	1716	1462	1674	1319	1672.3	2117	2099	2698	2034
MEAN	66.7	87.7	59.7	55.4	52.2	54.0	44.0	53.9	70.6	67.7	87.0	67.8
AC-FT	4100	5220	3670	3400	2900	3320	2620	3320	4200	4160	5350	4030
MAX	100	256	67	62	60	68	65	204	444	92	404	122
MIN	49	64	55	48	46	46	21	7.9	11	47	53	47

CAL YR 1993 TOTAL 26008.1 MEAN 71.3 MAX 336 MIN 1.8 AC-FT 51590  
WTR YR 1994 TOTAL 23342.3 MEAN 64.0 MAX 444 MIN 7.9 AC-FT 46300

MAX DISCH 940 CFS AT 1400 11-AUG-1994 GH 4.07 FT. SHIFT 0.15 FT. MAX GH 4.07 FT. AT 1400 11-AUG-1994



## PLATTE RIVER BASIN

## MUNROE CANAL NEAR FORT COLLINS, CO

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

**DRAINAGE AREA.**--N/A

**GAGE.**--Graphic water-stage A-35 recorder at 10' Parshall flume.

**REMARKS.**--Record is complete and reliable. Water run May 11-Sep. 22, 1994. Estimated days were May 11, 1994 when the canal started at 4:00 A.M. and the recorder wasn't installed until 6:50 A.M. and Sep. 12, 1994 when the chart ran out for about 5 hours. Station maintained and records developed by George E. Sievers.

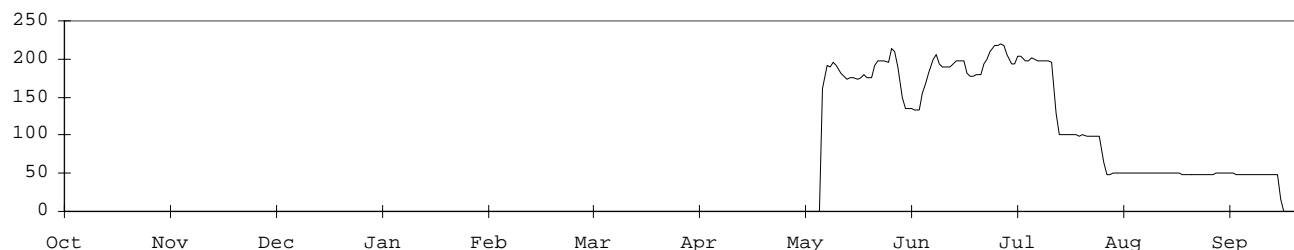
**RATING TABLE.**--MUNCANCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	210	218	64	49
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	190	220	49	49
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150	218	49	50
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	135	205	50	50
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136	194	50	50
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136	193	50	50
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	134	203	50	50
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	134	203	50	50
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	156	197	50	49
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	168	197	50	49
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	162	181	50	49
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	191	199	50	49
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	190	205	50	49
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	195	193	50	49
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	192	189	50	49
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	181	189	50	49
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178	189	50	49
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	174	194	50	49
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175	198	50	49
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	176	198	50	49
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	174	198	50	49
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	176	182	50	16
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179	178	50	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175	178	101	49
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175	180	99	49
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	192	180	100	49
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198	193	98	49
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198	199	98	49
29	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	198	209	99	48
30	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	195	217	99	49
31	0.0	---	0.0	0.0	---	0.0	---	214	---	99	49	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3888	5398	4856	1553	1051
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125	180	157	50.1	35.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7710	10710	9630	3080	2080
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	214	217	220	64	50
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	134	98	48	0.0

CAL YR 1993 TOTAL 14537 MEAN 39.8 MAX 229 MIN 0.00 AC-FT 28830  
WTR YR 1994 TOTAL 16746 MEAN 45.9 MAX 220 MIN 0.00 AC-FT 33220

MAX DISCH 231 CFS AT 0600 01-JUN-1994 GH 3.02 FT. SHIFT 0.00 FT. MAX GH 3.02 FT. AT 0600 01-JUN-1994



PLATTE RIVER BASIN

06752000 CACHE LA POUDDRE 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.**--1,056 mi<sup>2</sup>.

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

**REMARKS.**--Record is complete and reliable except for Nov. 6-11, 15-24, 1993 which were ice affected. The station was closed on Nov. 25, 1993-Mar. 17, 1994. The DCP was the primary source of record. The A-35 chart was used Oct. 29-31; Nov. 1-23, 25, 1993; Mar. 18-29; Apr. 3, 5, 10, 27-29, 1994. Record good, except for periods of no gage-height and ice effect, which is fair. Station maintained and records developed by George Sievers.

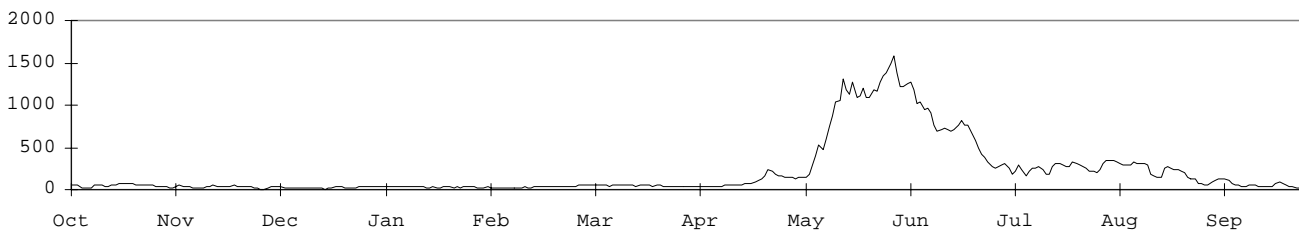
**RATING TABLE.**--CLAFTCCO09 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	43	30	37	28	50	41	138	1590	246	237	57
2	52	46	30	39	26	49	41	138	1380	274	302	61
3	47	38	24	40	25	51	39	136	1220	291	350	82
4	25	42	19	40	26	51	39	149	1210	312	345	102
5	16	40	19	40	27	52	41	149	1250	254	346	119
6	14	22	19	38	26	54	38	147	1270	175	336	119
7	14	19	15	44	25	56	36	188	1190	226	315	123
8	46	25	17	37	27	51	35	291	1010	297	293	108
9	52	26	16	37	23	43	37	401	1040	233	289	76
10	48	33	20	37	22	54	43	528	953	155	296	48
11	45	43	18	35	26	50	41	476	960	219	319	47
12	41	47	23	31	29	46	56	598	916	254	316	45
13	48	40	16	31	26	49	56	752	757	261	305	43
14	56	44	12	27	26	51	52	874	692	268	306	47
15	68	33	6.6	27	38	50	56	1030	702	229	291	53
16	67	39	19	32	40	48	53	1050	722	185	189	46
17	68	45	23	25	42	32	56	1310	714	185	160	35
18	76	48	34	25	41	56	64	1180	700	267	144	35
19	69	39	33	29	44	55	69	1130	703	305	154	34
20	59	39	31	32	44	59	76	1270	767	303	251	35
21	55	39	21	31	41	55	87	1100	819	300	264	40
22	50	30	22	24	34	43	102	1110	764	276	255	72
23	51	29	18	29	30	48	130	1200	764	269	245	83
24	48	26	21	26	34	46	171	1090	686	327	243	65
25	46	16	28	31	34	42	244	1090	585	308	227	46
26	44	9.0	31	30	36	43	223	1180	499	296	207	39
27	43	8.9	30	30	39	35	176	1160	420	268	147	33
28	37	26	29	30	54	28	163	1270	385	248	132	26
29	36	36	29	24	---	42	158	1350	335	224	122	23
30	23	35	33	25	---	38	137	1390	278	215	70	22
31	27	---	39	24	---	40	---	1490	---	203	68	---
TOTAL	1424	1005.9	725.6	987	913	1467	2560	25365	25281	7873	7524	1764
MEAN	45.9	33.5	23.4	31.8	32.6	47.3	85.3	818	843	254	243	58.8
AC-FT	2820	2000	1440	1960	1810	2910	5080	50310	50140	15620	14920	3500
MAX	76	48	39	44	54	59	244	1490	1590	327	350	123
MIN	14	8.9	6.6	24	22	28	35	136	278	155	68	22

CAL YR 1993 TOTAL 118671.5 MEAN 325 MAX 2430 MIN 6.6 AC-FT 235400  
WTR YR 1994 TOTAL 76889.5 MEAN 211 MAX 1590 MIN 6.6 AC-FT 152500

MAX DISCH 1850 CFS AT 0830 01-JUN-1994 GH 4.83 FT. SHIFT 0.02 FT. MAX GH 4.83 FT. AT 0830 01-JUN-1994



## 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 25 ft downstream from highway bridge, 2.9 mi east of courthouse in Greeley, and 3.0 mi upstream from mouth.

**DRAINAGE AREA.**--1,877 mi<sup>2</sup>.

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

**REMARKS.**--Record is complete and reliable, except for Mar. 30-31; Apr. 1-8, 27-30; May 1-12; Jun. 8, 21, 27; Aug. 15 when the bottom inlet was plugged. A portion of most days had good gage height which helped in determining good gage height. The DCP is the primary record. The chart was used Oct. 31, 1993 and Apr. 3, 1994. Record good except for periods of plugged inlets when the record is fair. Station maintained and records developed by George Sievers.

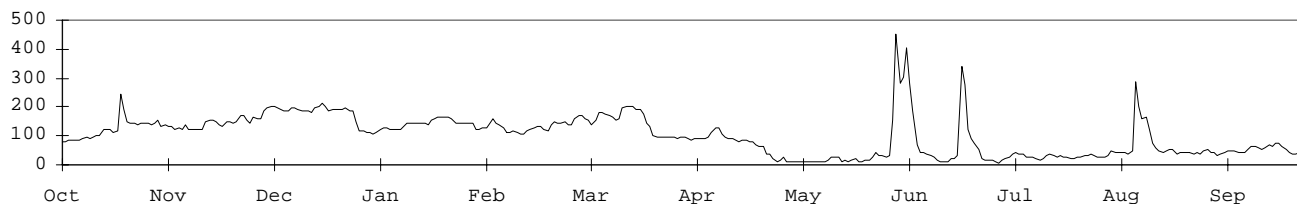
**RATING TABLE.**--CLAGRECO25 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	133	204	112	129	172	95	11	156	11	24	52
2	82	132	203	122	127	168	90	10	453	7.4	25	45
3	84	125	196	128	146	160	86	11	281	15	32	41
4	83	127	192	130	162	153	90	12	305	20	46	32
5	83	125	185	125	146	140	90	8.0	403	26	42	38
6	84	138	187	120	140	154	90	8.0	283	38	41	43
7	92	124	197	121	129	182	90	13	184	40	41	46
8	96	122	196	121	111	180	95	9.0	71	35	43	46
9	93	124	192	132	112	177	110	13	41	35	39	46
10	96	124	184	142	116	171	128	11	41	26	47	43
11	99	122	188	146	114	165	126	13	36	25	289	41
12	102	150	185	144	108	155	106	8.0	30	25	201	45
13	123	153	183	146	107	160	97	17	26	22	161	54
14	121	152	198	146	118	199	93	29	17	17	166	65
15	125	147	200	143	123	202	90	28	9.3	23	125	63
16	114	137	214	137	126	200	87	25	11	32	72	57
17	118	134	202	154	133	202	82	13	11	36	59	54
18	245	151	188	157	132	191	84	16	20	30	48	59
19	192	150	192	165	124	194	83	9.7	22	29	40	71
20	148	145	194	166	116	175	82	15	34	30	46	64
21	146	147	193	166	138	142	82	23	341	25	53	72
22	142	170	192	163	151	132	71	12	274	27	51	74
23	140	171	196	158	146	101	63	13	124	19	39	64
24	141	156	188	146	146	95	65	14	88	20	45	52
25	142	145	188	142	151	95	36	15	72	28	43	40
26	141	165	147	146	139	95	38	29	52	27	44	38
27	136	159	118	143	137	97	22	45	23	33	44	39
28	141	158	116	141	161	96	11	34	18	34	39	42
29	153	185	112	141	---	96	15	30	18	35	43	43
30	134	199	111	120	---	90	25	29	14	31	39	37
31	140	---	108	120	---	95	---	32	---	29	49	---
TOTAL	3815	4370	5549	4343	3688	4634	2322	555.7	3458.3	830.4	2076	1506
MEAN	123	146	179	140	132	149	77.4	17.9	115	26.8	67.0	50.2
AC-FT	7570	8670	11010	8610	7320	9190	4610	1100	6860	1650	4120	2990
MAX	245	199	214	166	162	202	128	45	453	40	289	74
MIN	79	122	108	112	107	90	11	8.0	9.3	7.4	24	32

CAL YR 1993 TOTAL 56061 MEAN 154 MAX 1730 MIN 20 AC-FT 111200  
WTR YR 1994 TOTAL 37147.4 MEAN 102 MAX 453 MIN 7.4 AC-FT 73680

MAX DISCH 596 CFS AT 0800 02-JUN-1994 GH 4.37 FT. SHIFT -0.31 FT. MAX GH 4.37 FT. AT 0800 02-JUN-1994



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.**--9,598 mi<sup>2</sup>.

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

**REMARKS.**--The DCP is the primary record. Chart values were used Oct. 3, 4, 30-31; Nov. 1-7, 1993; Jan. 19-28; Feb. 6-7; Mar. 4-13; Apr. 3; May 12, 16; Jun. 4-5, 21, 29; Jul. 7; Sep. 12-13, 1994. This was done to avoid datum corrections needed for the DCP record. Record is complete and reliable, except for Jun. 6-7, 1994 when the manometer lost its mercury into the overflow reservoir. Record is fair, because of frequent pen corrections. Station maintained and records developed by George Sievers.

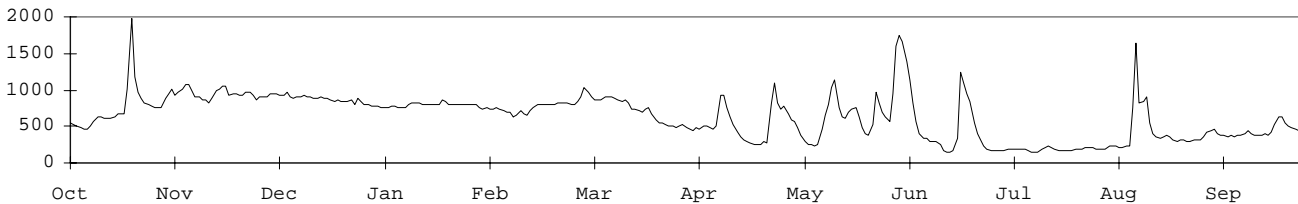
**RATING TABLE.**--PLAKERCO21 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	546	934	941	766	748	902	478	679	957	168	189	364
2	535	961	923	764	742	1030	464	588	1590	167	194	421
3	509	1010	928	764	731	970	437	560	1740	177	200	437
4	483	1080	974	777	753	905	481	488	1660	171	242	461
5	469	1070	914	781	736	862	461	375	1400	181	233	406
6	461	1000	883	763	716	862	498	287	1130	183	230	382
7	508	907	898	760	703	871	512	260	830	194	218	376
8	558	898	904	753	687	907	477	243	571	179	217	366
9	631	871	928	800	642	907	460	230	396	192	224	372
10	623	856	898	816	655	910	510	262	346	179	223	359
11	614	826	899	825	714	889	918	460	328	160	762	369
12	617	889	889	826	682	853	929	656	290	151	1640	382
13	613	980	886	810	662	852	765	798	304	152	827	400
14	632	1010	912	810	718	872	631	1030	305	151	839	435
15	669	1050	886	806	751	814	535	1140	255	182	903	402
16	673	1050	884	804	790	746	429	766	171	201	549	377
17	671	934	863	802	799	736	361	630	137	232	410	374
18	1010	952	834	804	806	719	323	609	142	213	355	379
19	1970	950	857	862	810	704	298	705	168	187	340	398
20	1170	929	850	836	800	729	267	747	344	175	358	388
21	959	933	840	790	801	752	250	757	1240	173	371	411
22	887	975	837	804	826	679	250	635	1090	178	354	528
23	826	964	853	799	812	585	258	481	951	174	307	634
24	796	919	809	803	817	541	285	400	851	177	303	627
25	774	855	881	790	821	538	283	384	547	188	314	544
26	758	908	842	802	805	526	823	524	402	195	307	496
27	748	896	792	799	809	501	1100	966	313	196	300	475
28	750	911	798	792	843	508	817	814	233	201	293	467
29	890	948	780	793	---	484	733	690	198	204	306	438
30	943	955	772	765	---	502	782	633	174	202	319	404
31	1010	---	771	736	---	534	---	561	---	189	326	---
TOTAL	23303	28421	26926	24602	21179	23190	15815	18358	19063	5672	12653	12872
MEAN	752	947	869	794	756	748	527	592	635	183	408	429
AC-FT	46220	56370	53410	48800	42010	46000	31370	36410	37810	11250	25100	25530
MAX	1970	1080	974	862	843	1030	1100	1140	1740	232	1640	634
MIN	461	826	771	736	642	484	250	230	137	151	189	359

CAL YR 1993 TOTAL 290031 MEAN 795 MAX 4750 MIN 136 AC-FT 575300  
WTR YR 1994 TOTAL 232054 MEAN 636 MAX 1970 MIN 137 AC-FT 460300

MAX DISCH 2646 CFS AT 0445 19-OCT-1993 GH 5.48 FT. SHIFT 0.20 FT. MAX GH 5.48 FT. AT 0445 19-OCT-1993



## 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.**--13,245 mi<sup>2</sup>.

**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.**--Record is complete and reliable. The DCP is the primary source of record. The chart was used October 31, 1993 and Apr. 3, 1994. Record is good this year because there were no winter estimates. Station maintained and records developed by George Sievers.

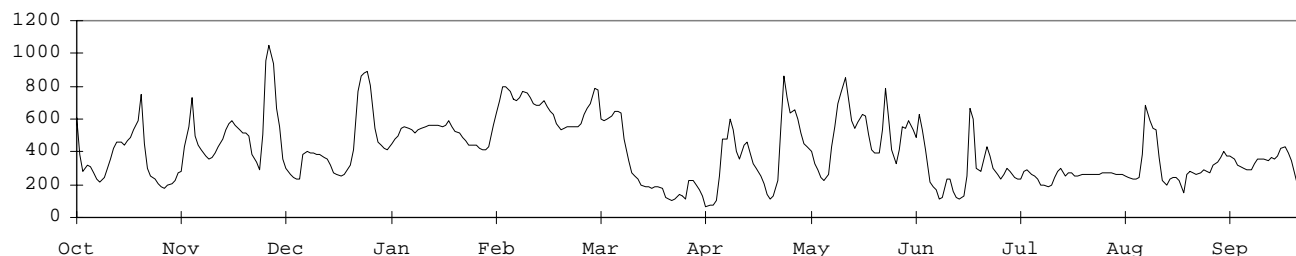
**RATING TABLE.**--PLAWELCO16 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	607	285	356	416	564	661	224	653	416	234	268	273
2	381	435	298	453	635	697	199	603	556	267	270	319
3	279	550	267	478	711	783	166	513	544	302	271	341
4	317	731	246	493	800	775	135	449	594	282	265	364
5	311	499	234	547	796	601	70	435	537	244	264	403
6	268	444	232	556	770	592	71	399	491	239	258	377
7	234	416	382	544	721	601	75	331	631	233	257	371
8	217	374	399	533	712	619	104	294	534	277	244	354
9	244	359	394	513	730	648	250	244	408	286	231	322
10	301	366	398	539	773	651	480	223	212	260	231	313
11	355	398	387	546	763	642	474	262	192	251	247	300
12	421	431	380	550	731	478	603	435	171	232	383	292
13	459	478	361	559	697	350	535	550	108	200	680	295
14	456	537	359	559	680	273	406	695	126	196	591	330
15	444	572	318	562	688	251	354	755	238	188	547	360
16	465	589	275	563	714	237	441	852	231	201	534	358
17	489	567	267	549	674	199	456	720	157	243	365	358
18	535	534	255	562	649	185	396	587	121	282	229	348
19	587	520	258	595	631	188	330	542	115	298	198	361
20	746	517	294	554	572	179	297	582	133	252	230	359
21	450	498	321	525	533	186	257	626	250	269	242	378
22	303	389	408	518	541	191	204	618	661	276	247	420
23	254	342	772	492	549	179	144	505	602	256	222	434
24	234	286	867	466	551	124	111	410	304	253	149	391
25	204	503	878	442	549	110	134	395	279	264	261	345
26	184	957	895	445	550	106	229	396	353	259	281	269
27	179	1050	805	441	568	110	552	533	431	259	270	195
28	195	933	540	420	626	137	862	792	372	259	265	163
29	208	669	461	414	---	127	727	608	303	267	274	148
30	222	557	443	417	---	109	637	409	263	265	290	136
31	273	---	421	435	---	229	---	331	---	269	278	---
TOTAL	10822	15786	13171	15686	18478	11218	9923	15747	10333	7863	9342	9677
MEAN	349	526	425	506	660	362	331	508	344	254	301	323
AC-FT	21470	31310	26120	31110	36650	22250	19680	31230	20500	15600	18530	19190
MAX	746	1050	895	595	800	783	862	852	661	302	680	434
MIN	179	285	232	414	533	106	70	223	108	188	149	136

CAL YR 1993 TOTAL 207281 MEAN 568 MAX 2630 MIN 92 AC-FT 411100  
WTR YR 1994 TOTAL 148046 MEAN 406 MAX 1050 MIN 70 AC-FT 293600

MAX DISCH 1102 CFS AT 2100 27-NOV-1993 GH 4.09 FT. SHIFT 0.19 FT. MAX GH 4.09 FT. AT 2100 27-NOV-1993



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 mi<sup>2</sup>.

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

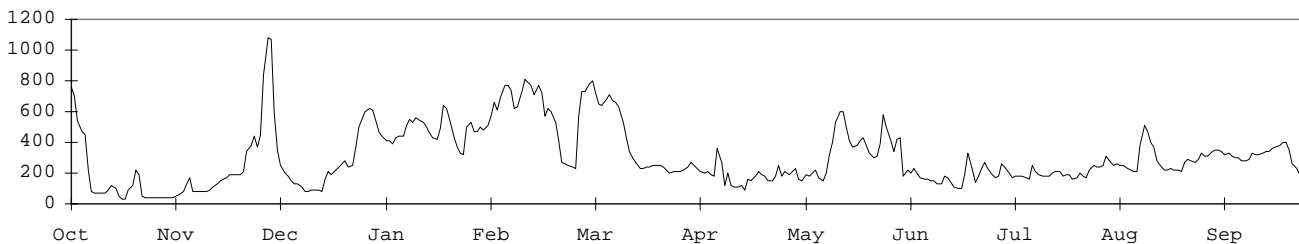
**REMARKS.**--The DCP is the primary source of record. The chart was used Oct. 31, 1993; Jan. 12; Mar. 6; Apr. 3; May 20-24, 1994. Record is complete and reliable, except for the following periods: Oct. 6; Nov. 12, 30; Dec. 1-2, 1993; Apr. 11-12; May 11, 18; Jun. 1; Aug. 16, 1994 when the inlets were plugged. Record good for period of good record, and fair for the estimated periods of plugged inlets. Station maintained and records developed by George E. Sievers.

**RATING TABLE.**--PLABALCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	760	48	350	439	510	730	237	193	340	166	237	306
2	699	61	250	414	570	733	270	214	420	180	253	307
3	540	76	205	411	658	781	246	232	426	262	310	343
4	468	129	176	390	606	803	234	156	185	237	267	351
5	451	167	146	426	690	719	210	150	221	197	246	352
6	223	78	135	442	769	649	205	191	202	169	257	342
7	84	76	127	438	775	639	213	180	226	183	250	324
8	75	81	114	511	736	682	192	200	201	181	250	333
9	69	78	85	548	618	710	184	216	167	183	230	306
10	69	81	85	531	631	667	357	172	163	173	222	297
11	70	86	89	560	730	662	275	155	159	156	209	296
12	88	115	89	538	806	634	120	198	149	251	211	282
13	116	129	87	533	789	527	199	321	149	207	378	280
14	97	150	83	502	769	435	116	402	126	191	506	292
15	47	164	156	462	706	341	107	530	132	184	473	328
16	31	173	209	433	767	302	106	596	181	176	400	319
17	35	190	191	424	722	269	120	598	173	176	368	322
18	91	193	221	493	568	233	94	500	137	199	281	328
19	116	195	237	638	617	230	161	407	113	212	241	338
20	223	194	263	623	600	236	146	370	101	209	221	341
21	187	210	280	551	533	242	178	377	96	183	221	362
22	47	337	236	434	412	252	214	408	188	186	226	370
23	37	383	252	371	272	254	186	428	332	186	225	383
24	37	439	366	326	263	252	182	383	262	163	221	401
25	37	369	497	321	254	240	155	328	139	168	211	400
26	36	447	549	500	241	218	148	303	182	202	270	353
27	36	836	596	534	231	204	180	306	228	180	293	260
28	36	1080	623	472	568	206	246	391	273	175	285	235
29	40	1070	611	475	---	215	184	581	230	217	274	192
30	42	590	543	504	---	211	213	505	188	249	287	170
31	44	---	470	482	---	216	---	412	---	243	326	---
TOTAL	4931	8225	8321	14726	16411	13492	5678	10403	6089	6044	8649	9513
MEAN	159	274	268	475	586	435	189	336	203	195	279	317
AC-FT	9780	16310	16500	29210	32550	26760	11260	20630	12080	11990	17160	18870
MAX	760	1080	623	638	806	803	357	598	426	262	506	401
MIN	31	48	83	321	231	204	94	150	96	156	209	170
CAL YR 1993 TOTAL		166538	MEAN	456	MAX	1770	MIN	31	AC-FT	330300		
WTR YR 1994 TOTAL		112482	MEAN	308	MAX	1080	MIN	31	AC-FT	223100		

MAX DISCH 1212 CFS AT 2100 28-NOV-1993 GH 3.65 FT. SHIFT -0.19 FT. MAX GH 3.65 FT. AT 2100 28-NOV-1993





## PLATTE RIVER BASIN

06763990 SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 2 (INCLUDES FLOW FROM CHANNEL NO 1)

**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.**--23,193 mi<sup>2</sup>.

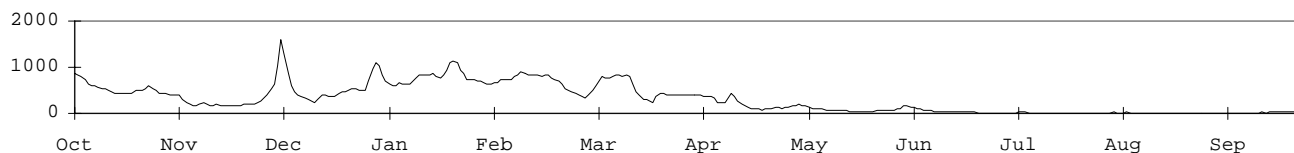
**GAGE.**--Water-stage graphic recorder (manometer) with satellite telemetry. Datum of gage is 3,448.51 ft. above National Geodetic Vertical Datum of 1929. A wire weight gage is used on the bridge. A new gage utilizing a manometer was installed in 1988, located on U. S. Highway 385 bridge.

**REMARKS.**--Gage-height record is complete and reliable except for the following periods: Dec. 22-25, 1993; Feb. 6-8; Mar. 25-27; Apr. 1-3; May 8-10; Sep. 21, 1994 when gage-heights were not representative of average for day due to manometer erratic response. Feb. 9-28; Mar. 1-8 when orifice was plugged. The stage-discharge relationship was affected by ice on the following days: Nov. 24-26; Dec. 20-21, 1993; Jan. 27-31; Feb. 1-5, 1994. Chart gage-heights were used for the following periods: Oct. 6-15; Nov. 10, 27-29; Dec. 20, 1993; Jan. 8, 23-27; Apr. 12-14; Jul. 20-22, 29-31; Aug. 23-29; Sep. 1-8, 13, 1994. Record is fair except for period of no gage-height record and ice-affected record which is poor. This record is part of combined flow with channel Nos. 3 and 4. Station maintained and records developed by Fred Renner.

**RATING TABLE.**--PLAJURCO16 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	854	384	1590	711	650	350	392	169	89	12	13	13
2	835	314	1290	630	675	400	396	183	115	13	12	14
3	806	224	874	614	675	500	396	192	170	13	13	14
4	728	190	592	614	725	600	384	181	159	11	17	15
5	620	172	463	652	750	700	381	167	125	9.8	16	14
6	595	171	402	643	750	800	375	128	130	11	15	13
7	595	203	370	650	750	775	365	109	112	25	16	12
8	570	217	343	620	800	775	318	102	90	34	18	12
9	540	197	304	703	850	789	233	93	73	26	15	11
10	534	175	273	769	900	824	242	84	63	16	13	12
11	488	166	242	824	875	823	248	83	56	11	11	13
12	460	190	311	831	850	811	340	70	48	12	11	13
13	445	178	399	833	850	822	420	66	40	12	11	15
14	430	179	388	849	850	804	356	67	32	15	13	16
15	424	176	382	854	825	629	265	61	25	13	11	16
16	436	174	363	814	800	457	201	59	22	12	10	16
17	430	176	371	777	850	395	159	52	20	12	10	17
18	450	183	432	842	825	315	143	47	18	13	10	16
19	492	183	481	936	775	285	107	43	17	14	10	18
20	499	193	480	1090	750	254	91	40	17	16	11	21
21	514	199	500	1150	700	241	89	45	41	14	11	23
22	538	196	525	1110	650	357	82	44	32	14	13	21
23	588	203	525	933	550	421	86	48	28	14	16	21
24	547	240	500	854	500	428	108	50	18	14	16	29
25	487	280	500	750	475	407	107	48	14	12	15	33
26	446	340	502	734	425	396	127	58	13	13	14	35
27	436	388	711	730	400	401	120	70	13	11	13	26
28	427	533	971	700	375	409	116	74	13	10	13	26
29	413	627	1090	700	---	404	130	69	14	10	13	36
30	402	1020	1020	675	---	400	142	59	13	12	13	74
31	393	---	842	650	---	402	---	57	---	14	13	---
TOTAL	16422	8071	18036	24242	19850	16374	6919	2618	1620	438.8	406	615
MEAN	530	269	582	782	709	528	231	84.5	54.0	14.2	13.1	20.5
AC-FT	32570	16010	35770	48080	39370	32480	13720	5190	3210	870	805	1220
MAX	854	1020	1590	1150	900	824	420	192	170	34	18	74
MIN	393	166	242	614	375	241	82	40	13	9.8	10	11
CAL YR 1993 TOTAL		169893	MEAN	465	MAX	1590	MIN	24	AC-FT	337000		
WTR YR 1994 TOTAL		115611.8	MEAN	317	MAX	1590	MIN	9.8	AC-FT	229300		



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 mi<sup>2</sup>.

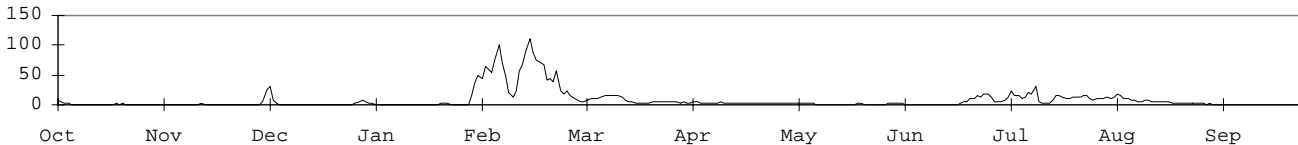
**GAGE.**--Water-stage graphic recorder with satellite telemetry. Supplemental outside chain gage. DCP is primary record with chart as backup.

**REMARKS.**--Gage-height record is complete and reliable except for the following period: Feb. 8-10, 1994 when recorder pen was not inking and DCP record was missing and had low values. The stage-discharge relationship was affected by ice on the following days: Jan. 30-31; Feb. 1-7, 1994. Graphic chart record was used for the following periods: Dec. 10-20, 30-31, 1993; Jan. 1-11, 31; Feb. 1-15, 23; Jul. 9-10, 20; Aug. 31; Sep. 1-8, 13-20, 1994. Record is good, except for period of no gage-height record, ice affected record, and period of stage fluctuation which is fair. This record is part of combined flow with channel No. 1 and 2. Station maintained and records developed by Fred Renner.

**RATING TABLE.**--PLAJULCO20 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	0.60	25	1.5	50	11	3.8	1.8	2.1	14	9.9	1.4
2	3.9	0.58	30	1.0	45	6.6	3.9	1.8	1.3	6.1	11	1.2
3	2.7	0.45	7.6	0.75	65	6.2	3.5	1.9	1.9	4.9	11	1.4
4	1.6	0.46	1.7	0.75	60	6.4	3.7	1.8	2.0	6.2	13	0.60
5	1.1	0.46	1.2	0.75	55	7.5	4.0	1.7	1.8	8.8	9.4	0.75
6	0.82	0.45	1.1	0.75	75	9.2	4.0	1.5	1.1	13	13	0.60
7	0.81	0.41	0.91	0.75	100	9.4	3.7	1.4	0.61	24	19	0.90
8	0.88	0.40	0.82	0.75	70	11	3.2	1.4	0.43	16	15	1.0
9	0.70	0.36	0.70	0.75	50	14	2.5	1.3	0.38	15	9.9	0.69
10	0.75	0.38	0.75	0.60	20	15	2.2	1.3	0.52	10	10	0.76
11	0.75	0.39	0.75	0.75	14	15	2.6	1.1	0.47	13	7.2	0.77
12	0.66	2.4	0.75	0.68	22	15	3.0	1.0	0.51	20	7.1	0.79
13	0.60	0.34	0.75	0.77	56	16	4.0	1.0	0.37	18	4.8	0.0
14	0.61	0.50	0.75	0.81	68	16	2.9	0.99	0.34	30	4.1	0.0
15	0.60	0.31	0.75	0.81	88	12	2.3	0.93	0.29	4.9	7.7	0.0
16	0.60	0.26	0.75	0.82	111	8.2	2.4	0.95	0.38	1.6	7.8	0.0
17	0.75	0.20	0.75	0.75	88	6.0	2.6	0.99	0.17	1.4	5.8	0.0
18	1.8	0.18	0.75	0.81	75	4.1	2.8	0.86	0.55	2.8	4.5	0.0
19	0.80	0.16	0.75	1.0	73	2.8	2.9	0.75	0.26	6.7	4.3	0.0
20	1.8	0.17	0.75	1.2	67	2.2	3.0	0.66	0.35	15	6.0	0.0
21	0.94	0.19	0.80	2.6	42	1.8	2.8	0.78	1.1	15	5.2	0.15
22	0.75	0.15	0.82	2.3	45	2.5	2.6	0.67	3.8	12	4.1	0.15
23	0.75	0.15	0.82	1.6	39	3.7	2.3	2.2	4.3	10	3.8	0.15
24	0.74	0.15	0.86	1.1	57	4.1	2.2	1.7	6.2	10	3.7	0.15
25	0.79	0.15	0.85	1.0	24	4.5	2.8	0.96	10	12	3.3	0.15
26	0.75	0.16	0.98	1.00	19	5.0	3.2	0.82	11	12	3.8	0.15
27	0.73	0.29	1.4	0.75	22	5.4	1.5	0.89	16	14	3.0	0.0
28	0.68	0.30	4.1	0.81	16	4.3	1.5	0.75	13	16	3.0	0.0
29	0.63	0.76	7.3	0.98	---	4.3	1.6	0.75	17	15	3.1	0.0
30	0.61	5.2	6.1	15	---	4.0	1.6	0.60	18	9.4	1.5	0.15
31	0.60	---	3.0	35	---	3.9	---	1.1	---	8.0	1.4	---
TOTAL	36.98	16.93	104.32	78.89	1516	237.1	85.1	36.35	116.24	364.8	216.4	11.91
MEAN	1.19	0.56	3.37	2.54	54.1	7.65	2.84	1.17	3.87	11.8	6.98	0.40
AC-FT	73	34	207	156	3010	470	169	72	231	724	429	24
MAX	6.8	5.2	30	35	111	16	4.0	2.2	18	30	19	1.4
MIN	0.60	0.15	0.70	0.60	14	1.8	1.5	0.60	0.17	1.4	1.4	0.0
CAL YR 1993 TOTAL	11340.23		MEAN	31.1	MAX	219	MIN	0.15	AC-FT	22490		
WTR YR 1994 TOTAL	2821.01		MEAN	7.73	MAX	111	MIN	0.00	AC-FT	5600		



PLATTE RIVER BASIN

06764000 SOUTH PLATTE RIVER AT JULESBURG, CO (COMBINED)

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

DRAINAGE AREA.--23,193 mi<sup>2</sup>.

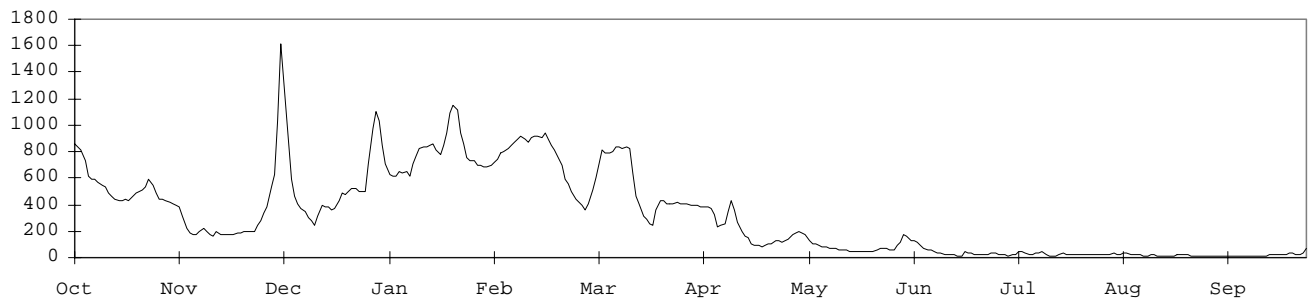
GAGE.--See Channel No.2 and Channel No. 4. Stations maintained by Fred Renner.

REMARKS.--Record obtained by combining data from Channel No. 2 and Channel No. 4. Records developed by Fred Renner.

RATING TABLE.--

USED FROM TO  
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	861	385	1620	712	700	361	396	171	91	26	23	14
2	839	315	1320	631	720	407	400	185	116	19	23	15
3	809	224	882	615	740	506	400	194	171	18	24	15
4	730	190	594	615	785	606	388	183	160	17	30	16
5	621	172	464	653	805	708	385	169	126	19	25	15
6	596	171	403	644	825	809	379	130	130	24	28	14
7	596	203	371	651	850	784	369	110	112	45	35	13
8	571	217	344	621	870	786	321	103	90	43	33	13
9	541	197	305	704	900	803	236	94	73	37	25	12
10	535	175	274	770	920	839	244	85	63	24	23	13
11	489	166	243	825	889	838	251	84	56	24	18	14
12	461	192	312	832	872	826	343	71	48	32	18	14
13	446	178	400	834	906	838	424	67	40	30	16	15
14	431	179	389	850	918	820	359	68	32	45	17	16
15	427	176	383	855	913	641	267	62	25	18	19	16
16	437	174	364	815	911	465	203	60	22	14	18	16
17	431	176	372	778	938	401	162	53	20	13	16	17
18	452	183	433	843	900	319	146	48	19	16	14	16
19	493	183	482	937	848	288	110	44	17	21	14	18
20	501	193	481	1090	817	256	94	41	17	31	17	21
21	515	199	501	1150	742	243	92	46	42	29	16	23
22	539	196	526	1110	695	360	85	45	36	26	17	21
23	589	203	526	935	589	425	88	50	32	24	20	21
24	548	240	501	855	557	432	110	52	24	24	20	29
25	488	280	501	751	499	412	110	49	24	24	18	33
26	447	340	503	735	444	401	130	59	24	25	18	35
27	437	388	712	731	422	406	122	71	29	25	16	26
28	428	533	975	701	391	413	118	75	26	26	16	26
29	414	628	1100	701	---	408	132	70	31	25	16	36
30	403	1030	1030	690	---	404	144	60	31	21	14	74
31	394	---	845	685	---	406	---	58	---	22	14	---
TOTAL	16469	8086	18156	24319	21366	16611	7008	2657	1727	787	621	627
MEAN	531	270	586	784	763	536	234	85.7	57.6	25.4	20.0	20.9
AC-FT	32670	16040	36010	48240	42380	32950	13900	5270	3430	1560	1230	1240
MAX	861	1030	1620	1150	938	839	424	194	171	45	35	74
MIN	394	166	243	615	391	243	85	41	17	13	14	12
CAL YR 1993 TOTAL	181245		MEAN	497	MAX	1620	MIN	31	AC-FT	359500		
WTR YR 1994 TOTAL	118434		MEAN	324	MAX	1620	MIN	12	AC-FT	234900		



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09042000 EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA, CO

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

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

**REMARKS.**--Record was taken from Water Commissioner reports. The satellite telemetry is maintained and the record is developed by Robert Cooper.

**RATING TABLE.**--HSPTUNCO04 USED FROM 01-OCT-1993 TO 2-MAY-1994

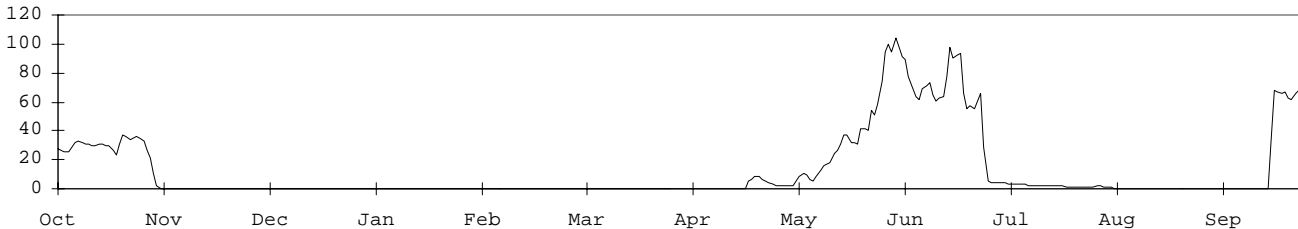
**RATING TABLE.**--HSPTUNCO05 USED FROM 03-MAY-1994 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	0.0	0.0	0.0	0.0	0.0	0.0	2.4	100	4.7	1.7	0.0
2	27	0.0	0.0	0.0	0.0	0.0	0.0	2.2	94	4.6	1.6	0.0
3	26	0.0	0.0	0.0	0.0	0.0	0.0	2.1	104	4.3	1.5	0.0
4	26	0.0	0.0	0.0	0.0	0.0	0.0	2.3	98	4.0	1.4	0.0
5	29	0.0	0.0	0.0	0.0	0.0	0.0	5.0	91	3.8	0.84	0.0
6	32	0.0	0.0	0.0	0.0	0.0	0.0	8.2	89	3.6	0.26	0.0
7	33	0.0	0.0	0.0	0.0	0.0	0.0	11	77	3.6	0.11	0.0
8	32	0.0	0.0	0.0	0.0	0.0	0.0	9.3	69	3.4	0.0	0.0
9	31	0.0	0.0	0.0	0.0	0.0	0.0	6.8	64	3.4	0.0	0.0
10	31	0.0	0.0	0.0	0.0	0.0	0.0	5.6	62	3.0	0.0	0.0
11	30	0.0	0.0	0.0	0.0	0.0	0.0	8.5	69	2.8	0.0	0.0
12	30	0.0	0.0	0.0	0.0	0.0	0.0	13	71	2.6	0.0	0.0
13	31	0.0	0.0	0.0	0.0	0.0	0.0	16	73	2.3	0.0	0.0
14	31	0.0	0.0	0.0	0.0	0.0	0.0	17	65	2.2	0.0	0.0
15	30	0.0	0.0	0.0	0.0	0.0	0.0	18	61	2.0	0.0	0.0
16	30	0.0	0.0	0.0	0.0	0.0	0.0	24	63	2.0	0.0	0.0
17	27	0.0	0.0	0.0	0.0	0.0	0.0	27	64	1.9	0.0	0.0
18	23	0.0	0.0	0.0	0.0	0.0	0.0	31	77	1.9	0.0	0.0
19	31	0.0	0.0	0.0	0.0	0.0	0.0	37	98	1.8	0.0	0.0
20	37	0.0	0.0	0.0	0.0	0.0	0.0	37	90	1.8	0.0	0.0
21	36	0.0	0.0	0.0	0.0	0.0	5.4	32	92	1.8	0.0	34
22	34	0.0	0.0	0.0	0.0	0.0	6.7	32	93	1.6	0.0	68
23	35	0.0	0.0	0.0	0.0	0.0	8.4	31	66	1.5	0.0	67
24	36	0.0	0.0	0.0	0.0	0.0	8.4	41	55	1.3	0.0	66
25	35	0.0	0.0	0.0	0.0	0.0	6.6	41	57	1.3	0.0	67
26	33	0.0	0.0	0.0	0.0	0.0	4.8	40	55	1.2	0.0	63
27	27	0.0	0.0	0.0	0.0	0.0	3.8	54	61	1.3	0.0	62
28	21	0.0	0.0	0.0	0.0	0.0	3.1	51	66	1.3	0.0	66
29	11	0.0	0.0	0.0	---	0.0	2.6	58	29	1.3	0.0	68
30	1.8	0.0	0.0	0.0	---	0.0	2.4	74	4.9	1.3	0.0	68
31	0.0	---	0.0	0.0	---	0.0	---	95	---	1.4	0.0	---
TOTAL	864.8	0.0	0.0	0.0	0.0	0.0	52.2	832.4	2157.9	75.0	7.41	629
MEAN	27.9	0.0	0.0	0.0	0.0	0.0	1.74	26.9	71.9	2.42	0.24	21.0
AC-FT	1720	0.0	0.0	0.0	0.0	0.0	104	1650	4280	149	15	1250
MAX	37	0.0	0.0	0.0	0.0	0.0	8.4	95	104	4.7	1.7	68
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.9	1.2	0.0	0.0

CAL YR 1993 TOTAL 6428.66 MEAN 17.6 MAX 127 MIN 0.00 AC-FT 12750  
WTR YR 1994 TOTAL 4618.71 MEAN 12.7 MAX 104 MIN 0.00 AC-FT 9160

MAX DISCH 49 CFS AT 1000 21-OCT-1993 GH 1.30 FT. SHIFT 0.01 FT. MAX GH 2.40 FT. AT 2000 03-JUN-1994



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09046000 BOREAS PASS DITCH AT BOREAS PASS, CO

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

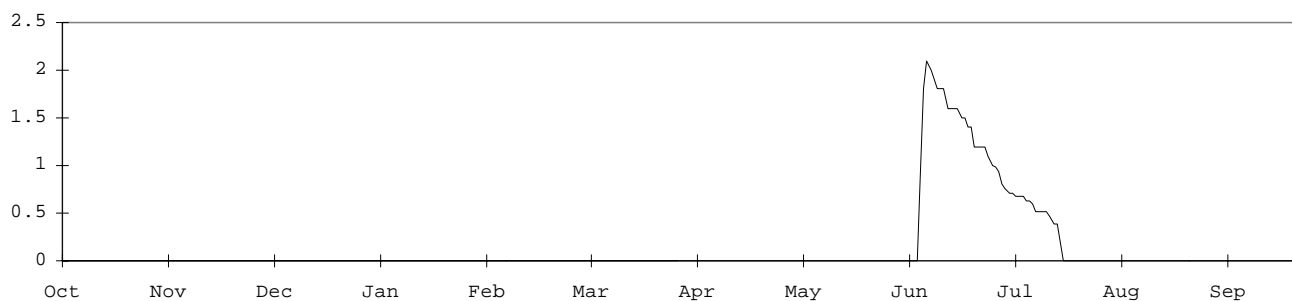
**GAGE.**--Graphic water-stage recorder at a standard 18-inch Parshall Flume.

**REMARKS.**--Record developed by Robert Cooper from Water Commissioner records.

**RATING TABLE.**--BORDITCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	0.99	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.67	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.63	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.63	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.59	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.51	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.51	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.51	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.51	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.47	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.39	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.39	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.20	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.1	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.0	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	33.20	12.26	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.11	0.40	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66	24	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.99	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 1993 TOTAL	129.97		MEAN	0.36	MAX	3.0	MIN	0.00	AC-FT	258		
WTR YR 1994 TOTAL	45.46		MEAN	0.12	MAX	2.1	MIN	0.00	AC-FT	90		



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09050590 HAROLD D. ROBERTS TUNNEL NEAR GRANT, CO

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

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

**REMARKS.**--Primary record uses average daily gage heights taken from the chart recorder. Hourly data was entered into the Record program for computation of subdivided days. Hourly satellite data was used Jul. 30-Aug. 10, 1994 Record is complete and reliable. Record is good. The satellite telemetry is maintained and the record is developed by Robert Cooper.

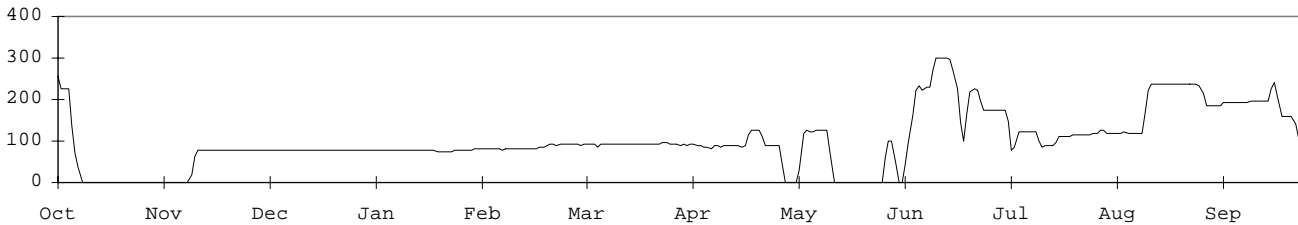
**RATING TABLE.**--ROBTUNCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	0.0	78	78	81	91	90	46	101	173	117	213
2	227	0.0	78	78	81	91	91	0.0	101	173	126	187
3	227	0.0	78	78	81	90	90	0.0	45	173	127	187
4	227	0.0	78	78	81	91	91	0.0	0.0	173	118	187
5	136	0.0	78	78	80	91	91	0.0	0.0	173	120	187
6	72	0.0	78	79	80	91	88	28	44	149	120	185
7	38	0.0	76	78	80	93	88	117	98	79	120	192
8	0.0	0.0	76	78	79	86	86	125	163	86	120	193
9	0.0	18	76	78	80	93	86	123	222	123	121	193
10	0.0	63	76	78	80	94	81	123	233	123	117	193
11	0.0	78	76	78	81	93	90	125	224	123	119	193
12	0.0	78	76	79	82	93	88	126	231	123	120	193
13	0.0	78	76	79	81	93	86	126	229	123	120	193
14	0.0	78	76	78	80	93	88	126	272	123	120	193
15	0.0	78	76	78	80	93	90	73	301	100	168	195
16	0.0	78	78	76	81	91	88	0.0	301	86	221	195
17	0.0	78	78	76	81	91	88	0.0	299	88	236	195
18	0.0	78	78	76	82	93	88	0.0	301	88	236	195
19	0.0	78	78	76	84	93	86	0.0	297	88	236	195
20	0.0	78	78	75	84	93	88	0.0	272	98	236	195
21	0.0	78	78	75	88	93	116	0.0	226	110	236	226
22	0.0	78	78	75	91	93	126	0.0	146	110	236	240
23	0.0	78	78	75	91	93	126	0.0	99	110	236	209
24	0.0	78	78	75	90	94	125	0.0	168	112	236	159
25	0.0	78	78	76	91	94	112	0.0	220	113	236	159
26	0.0	78	78	78	91	94	88	0.0	226	115	236	159
27	0.0	78	78	78	91	95	88	0.0	224	115	236	159
28	0.0	78	78	79	91	95	88	0.0	196	115	236	139
29	0.0	78	78	79	---	93	88	0.0	173	115	236	105
30	0.0	78	78	79	---	91	88	0.0	173	116	236	59
31	0.0	---	78	80	---	91	---	60	---	117	233	---
TOTAL	1183	1641	2400	2401	2343	2863	2807	1198	5585	3713	5611	5473
MEAN	38.2	54.7	77.4	77.5	83.7	92.4	93.6	38.6	186	120	181	182
AC-FT	2350	3250	4760	4760	4650	5680	5570	2380	11080	7360	11130	10860
MAX	256	78	78	80	91	95	126	126	301	173	236	240
MIN	0.0	0.0	76	75	79	86	81	0.0	0.0	79	117	59

CAL YR 1993 TOTAL 58657.2 MEAN 161 MAX 488 MIN 0.00 AC-FT 116300  
WTR YR 1994 TOTAL 37218 MEAN 102 MAX 301 MIN 0.00 AC-FT 73820

MAX DISCH 305 CFS AT 1100 14-JUN-1994 GH 2.34 FT. SHIFT 0.04 FT. MAX GH 2.34 FT. AT 1100 14-JUN-1994



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09047300 VIDLER TUNNEL NEAR ARGENTINE PASS, CO

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

DRAINAGE AREA.--N/A

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

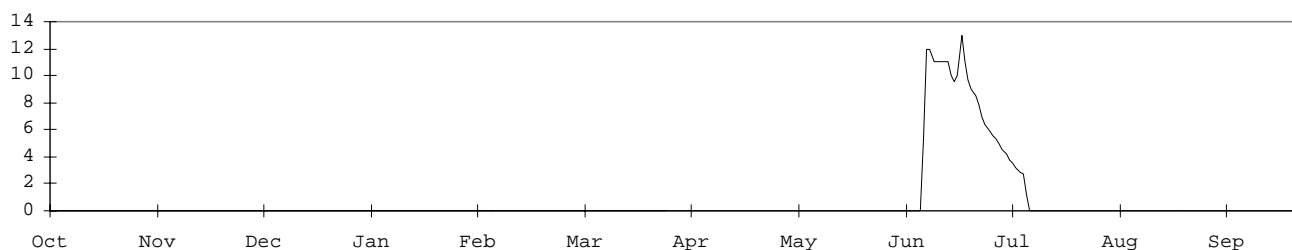
REMARKS.--The record is considered good. No measurements made in 1994. The shift of -.01 from the 1993 Water Year was carried through the 1994 Water Year. Station maintained by Vidler Tunnel Co. and records developed by Rodger L. Burcher.

RATING TABLE.--VIDTUNCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	5.6	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	1.3	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	6.4	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	5.9	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	192.1	42.1	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.40	1.36	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381	84	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	5.6	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAL YR 1993 TOTAL	383.61		MEAN	1.05	MAX	16	MIN	0.00	AC-FT	761		
WTR YR 1994 TOTAL	234.2		MEAN	0.64	MAX	13	MIN	0.00	AC-FT	465		

MAX DISCH 17 CFS AT 2300 21-JUN-1994 GH 1.27 FT. SHIFT -0.01 FT. MAX GH 1.27 FT. AT 2300 21-JUN-1994



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.

**REMARKS.**--The record is considered good except for the period of ice affect on Oct. 14-15, 17-20, 1993 and period of missing record on Jul. 15-20, 1994. Record is good except for periods of trash affect which is fair and the period of missing record, which is estimated. Station maintained by City of Northglenn and records developed by Rodger L. Burcher.

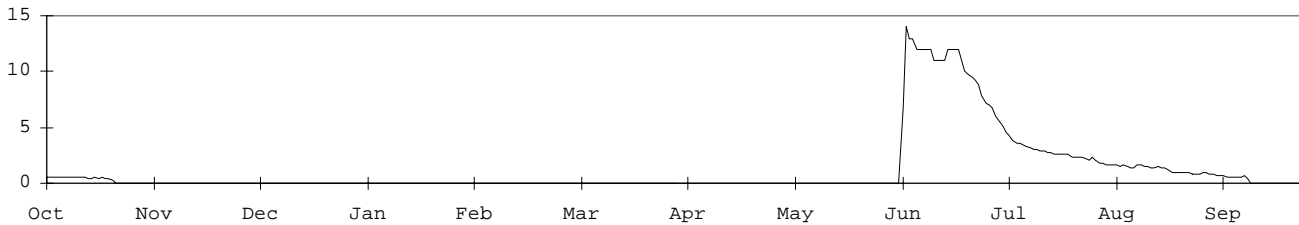
**RATING TABLE.**--BERDITCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	2.1	0.92
2	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	1.8	0.99
3	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.8	0.86
4	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	1.7	0.79
5	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	1.7	0.73
6	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	4.6	1.7	0.73
7	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	4.2	1.7	0.68
8	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	3.9	1.5	0.59
9	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	3.6	1.7	0.59
10	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.6	1.5	0.59
11	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.5	1.4	0.54
12	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.3	1.4	0.59
13	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.1	1.7	0.68
14	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.0	1.6	0.36
15	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.0	1.5	0.0
16	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.9	1.5	0.0
17	0.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.9	1.4	0.0
18	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.8	1.4	0.0
19	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2.7	1.5	0.0
20	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2.6	1.4	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2.6	1.4	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2.6	1.2	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.6	1.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	2.6	0.99	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	2.4	0.99	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	2.4	0.92	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	2.3	0.92	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	2.3	0.92	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	7.9	2.2	0.86	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	7.2	2.1	0.86	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	2.4	0.79	---
TOTAL	9.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	272.1	106.6	42.85	9.63
MEAN	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.07	3.44	1.38	0.32
AC-FT	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	540	211	85	19
MAX	0.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	7.0	2.1	0.99
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.79	0.0

CAL YR 1993 TOTAL 643.69 MEAN 1.76 MAX 14 MIN 0.00 AC-FT 1280  
WTR YR 1994 TOTAL 440.85 MEAN 1.21 MAX 14 MIN 0.00 AC-FT 874

MAX DISCH 16 CFS AT 1530 07-JUN-1994 GH 1.50 FT. SHIFT -0.02 FT. MAX GH 1.50 FT. AT 1530 07-JUN-1994





## 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.

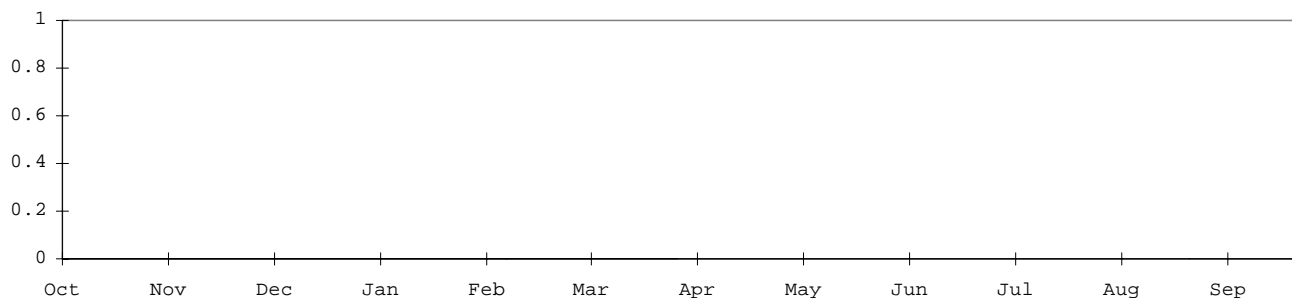
**GAGE.**--F-type water-stage recorder located at non-standard 15' Parshall flume.

**REMARKS.**--No water run in 1994. Station maintained by Denver Water Board and records developed by Rodger L. Burcher.

**RATING TABLE.**--APGTUNCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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 1993 TOTAL	1189.0		MEAN	3.26	MAX	107	MIN	0.00	AC-FT	2360		
WTR YR 1994 TOTAL	0		MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09022500 EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE, CO

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

**DRAINAGE AREA.**--N/A

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

**REMARKS.**--Record is complete and reliable. Record is good. DCP was primary record with graphic chart as backup. Station maintained by Denver Water Board personnel. Records developed by Fred H. Renner.

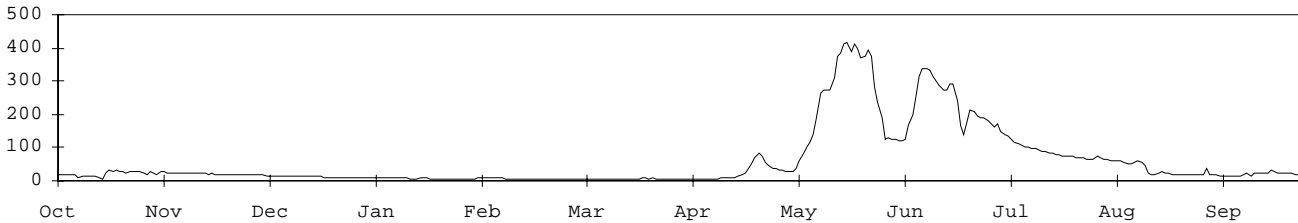
**RATING TABLE.**--MOFTUNCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	28	15	8.3	9.0	5.1	6.2	31	131	171	76	20
2	20	22	12	8.2	9.8	5.2	6.3	29	127	164	69	37
3	20	25	13	8.4	9.8	5.5	6.5	29	124	169	65	20
4	20	25	13	8.2	9.8	5.7	6.7	29	122	149	63	18
5	19	22	14	8.3	9.8	5.7	6.7	37	121	141	62	17
6	17	22	14	7.9	9.8	5.5	6.4	58	124	132	60	16
7	11	22	14	7.8	9.8	5.5	6.4	82	168	127	58	15
8	13	21	14	7.7	9.8	5.6	6.4	102	201	118	58	15
9	13	21	13	7.6	5.6	5.3	6.8	116	253	112	57	15
10	12	22	13	7.5	5.5	5.6	6.8	138	316	108	53	16
11	14	23	13	7.1	5.5	5.7	6.7	186	339	104	53	14
12	13	22	13	6.8	5.5	5.5	6.9	263	339	101	57	14
13	10	22	13	6.7	5.2	5.7	7.2	275	332	97	59	20
14	5.6	20	12	6.8	5.2	5.8	7.7	275	316	95	57	22
15	22	21	12	7.2	5.2	5.7	7.4	274	300	93	45	16
16	31	20	12	7.5	5.2	6.4	8.4	312	287	90	23	23
17	30	20	12	7.1	5.3	6.5	11	375	273	87	19	24
18	31	20	11	6.7	5.2	6.6	14	384	272	85	17	24
19	28	18	11	6.6	5.1	6.8	17	412	291	82	25	24
20	27	18	10	6.6	5.2	6.8	24	416	290	81	26	25
21	25	18	10	6.5	5.4	7.2	36	390	239	78	24	33
22	27	19	10	6.3	5.2	7.3	53	410	166	76	24	28
23	26	20	10	6.1	5.1	6.9	69	398	137	76	20	25
24	26	18	9.9	6.1	5.2	7.1	82	369	175	75	19	24
25	26	19	9.7	6.2	5.1	6.8	73	377	213	73	19	23
26	22	19	9.6	6.3	5.2	6.6	54	393	207	71	18	22
27	19	19	9.6	6.3	5.1	6.4	46	375	193	69	18	21
28	29	18	9.7	6.2	5.1	6.1	39	281	190	68	20	20
29	25	18	9.4	6.3	---	6.0	35	236	192	67	19	20
30	20	17	9.0	6.0	---	5.8	32	190	181	65	19	22
31	26	---	8.7	5.9	---	6.1	---	126	---	64	18	---
TOTAL	647.6	619	359.6	217.2	182.7	188.5	694.5	7368	6619	3088	1220	633
MEAN	20.9	20.6	11.6	7.01	6.53	6.08	23.1	238	221	99.6	39.4	21.1
AC-FT	1280	1230	713	431	362	374	1380	14610	13130	6130	2420	1260
MAX	31	28	15	8.4	9.8	7.3	82	416	339	171	76	37
MIN	5.6	17	8.7	5.9	5.1	5.1	6.2	29	121	64	17	14

CAL YR 1993 TOTAL 18248.2 MEAN 50.0 MAX 374 MIN 0.00 AC-FT 36200  
WTR YR 1994 TOTAL 21837.1 MEAN 59.8 MAX 416 MIN 5.1 AC-FT 43310

MAX DISCH 469 CFS AT 2030 20-MAY-1994 GH 3.68 FT. SHIFT 0.02 FT. MAX GH 3.68 FT. AT 2030 20-MAY-1994



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09012000 EUREKA DITCH NEAR FLAT TOP MOUNTAIN, CO

**LOCATION.**--Lat 40°19'30", long 105°43'15", in Rocky Mountain National Park, Grand County, Co. Diverts water from tributaries of Tonahutu Creek in Colorado River basin, to Spruce Creek (tributary to Big Thompson River) in sec. 16, T.4 N., R.74 W., in Platte River Basin.

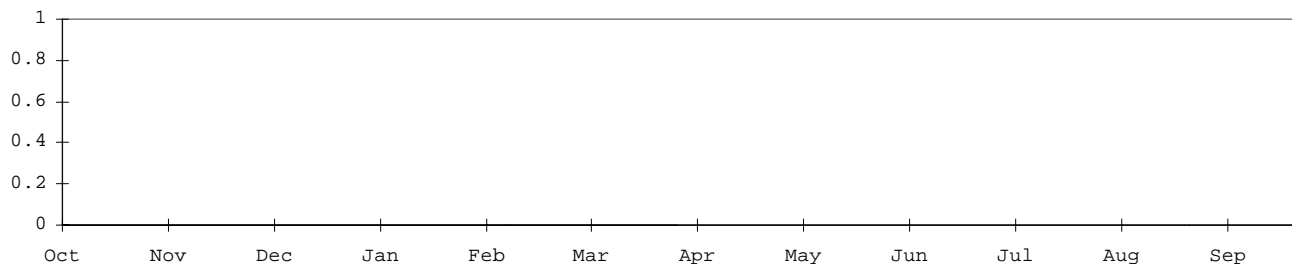
**GAGE.**--Graphic water-stage recorder at 40 inch Cipoletti Weir. Maintained by City of Loveland. Located on Continental Divide making access difficult.

**REMARKS.**--No water reported for the 1994 Water Year. According to Water Commissioner recorder was not functioning during the summer months.

**RATING TABLE.**--EURDITCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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 1993 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		
WTR YR 1994 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

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

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

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

REMARKS.--Record is complete and reliable. No water was diverted through the Adams Tunnel Flume from Wind River this year. Therefore, all water shown through the 15' Parshall Flume was diverted from the western slope this year. Record is good. Station maintained and records developed by Fred Renner.

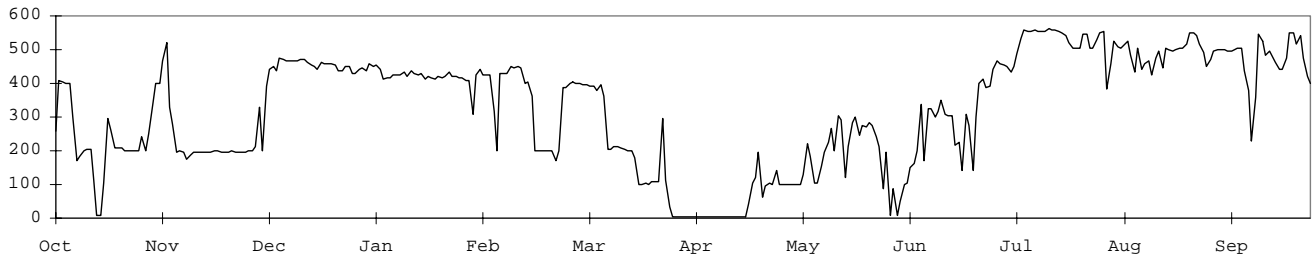
RATING TABLE.--ADATUNCO06 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	258	468	393	450	440	399	2.6	100	89	465	554	470
2	407	519	441	455	423	399	2.6	99	9.0	460	384	494
3	404	330	451	440	426	395	2.6	99	50	455	459	498
4	399	278	438	414	426	394	2.8	99	101	451	523	498
5	398	194	474	416	318	392	3.0	99	106	435	510	498
6	301	200	471	415	198	390	3.0	131	149	449	505	496
7	172	194	468	427	430	380	3.0	219	162	489	518	496
8	183	176	468	427	431	395	2.8	183	202	534	525	498
9	201	188	466	425	431	363	2.6	105	339	557	483	503
10	203	194	467	433	448	206	2.6	105	171	556	434	505
11	203	194	471	419	445	206	2.6	154	324	554	503	439
12	111	197	469	438	448	214	2.6	196	327	557	443	381
13	7.7	195	464	431	445	213	2.6	224	299	556	459	229
14	7.3	195	455	427	401	209	2.6	266	316	555	465	358
15	106	197	448	431	405	206	2.6	200	348	555	427	544
16	294	200	443	413	361	202	2.2	304	308	562	473	524
17	262	198	462	419	201	200	2.2	293	305	560	496	485
18	208	197	460	417	199	179	2.2	119	305	557	447	495
19	209	197	459	413	198	100	2.2	213	215	556	503	478
20	207	197	458	419	200	102	41	285	227	550	499	462
21	200	198	455	418	199	103	103	299	143	541	496	441
22	200	197	438	419	199	102	122	247	310	520	501	442
23	200	196	436	435	170	110	197	277	273	503	506	473
24	200	197	449	421	202	110	61	269	143	506	504	549
25	202	197	452	419	387	109	94	282	300	506	516	551
26	241	198	431	415	388	295	103	273	398	545	550	517
27	199	199	428	415	402	111	102	241	411	545	549	542
28	249	213	443	410	403	33	142	211	388	504	542	477
29	336	329	446	410	---	2.7	99	87	390	504	516	419
30	400	200	439	309	---	2.6	100	195	441	529	492	400
31	398	---	457	427	---	2.6	---	10	---	551	451	---
TOTAL	7366.0	6832	14000	13027	9624	6524.9	1213.4	5884	7549.0	16167	15233	14162
MEAN	238	228	452	420	344	210	40.4	190	252	522	491	472
AC-FT	14610	13550	27770	25840	19090	12940	2410	11670	14970	32070	30210	28090
MAX	407	519	474	455	448	399	197	304	441	562	554	551
MIN	7.3	176	393	309	170	2.6	2.2	10	9.0	435	384	229

CAL YR 1993 TOTAL 102863.34 MEAN 282 MAX 540 MIN 0.00 AC-FT 204000  
WTR YR 1994 TOTAL 117582.3 MEAN 322 MAX 562 MIN 2.2 AC-FT 233200

MAX DISCH 576 CFS AT 1130 09-JUL-1994 GH 4.22 FT. SHIFT -0.01 FT. MAX GH 4.22 FT. AT 1130 09-JUL-1994



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09010000 GRAND RIVER DITCH AT LA POUVRE PASS, CO

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

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

**REMARKS.**--Record complete and reliable. Water run from May 13-Sep. 24, 1994. Record is good. Station maintained and records developed by George Sievers.

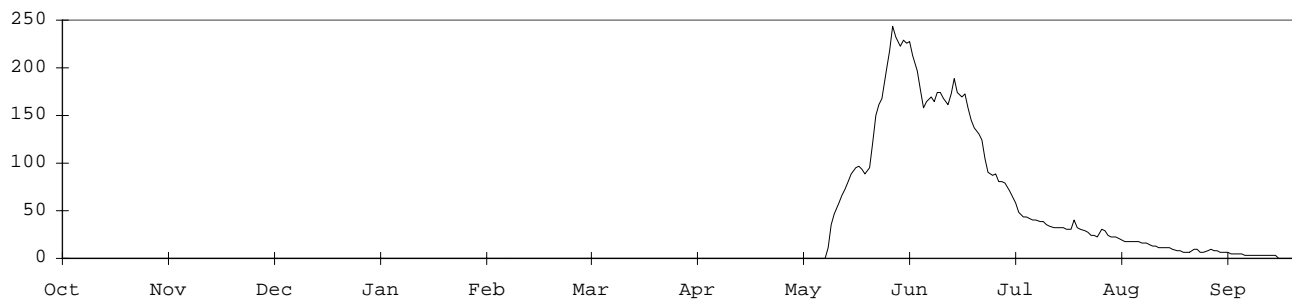
**RATING TABLE.**--GRNDRDCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	244	88	30	8.6
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	232	81	29	10
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	222	81	25	8.1
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	229	79	23	7.5
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	226	71	22	6.8
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	227	65	21	6.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	213	58	19	6.1
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	196	48	18	5.6
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178	44	18	4.7
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158	43	17	4.4
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164	42	17	4.1
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170	41	17	3.8
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	165	40	16	3.6
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	175	39	16	3.6
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	174	38	14	3.6
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	167	36	13	3.3
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66	162	34	13	3.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73	172	33	12	2.9
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80	188	32	12	3.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89	175	32	11	2.9
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95	169	32	11	2.8
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96	172	30	10	0.78
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94	158	31	8.7	0.04
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89	145	40	7.4	0.01
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95	137	33	7.1	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	121	131	31	6.8	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150	124	29	6.8	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	162	105	27	10	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	168	90	25	10	---
30	0.0	0.0	0.0	0.0	---	0.0	0.0	199	87	24	6.1	---
31	0.0	---	0.0	0.0	---	0.0	---	218	---	23	6.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1947	5155	1350	452.9	105.63
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.8	172	43.5	14.6	3.77
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3860	10220	2680	898	210
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	218	244	88	30	10
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87	23	6.0	0.0

CAL YR 1993 TOTAL 12490.18 MEAN 34.2 MAX 300 MIN 0.00 AC-FT 24770  
WTR YR 1994 TOTAL 9010.53 MEAN 24.7 MAX 244 MIN 0.00 AC-FT 17870

MAX DISCH 280 CFS AT 1945 01-JUN-1994 GH 3.41 FT. SHIFT 0.00 FT. MAX GH 3.41 FT. AT 1945 01-JUN-1994



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.

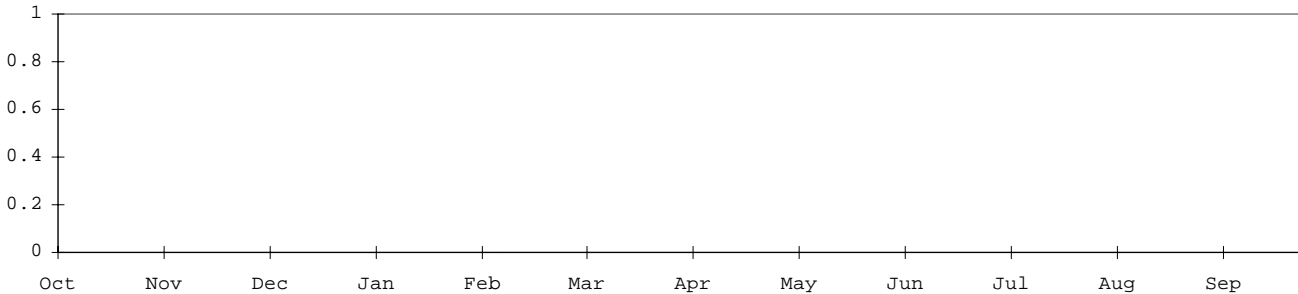
GAGE.--F-type graphic water-stage recorder at 2' Parshall flume.

REMARKS.--Record is complete and reliable. No water run during 1994 Water Year. Records developed by George E. Sievers.

RATING TABLE.--CAPDCPC001 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	---	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAL YR 1993 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		
WTR YR 1994 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

06746000 MICHIGAN DITCH AT CAMERON PASS, CO

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

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

**REMARKS.**--Record is complete and reliable except for Oct. 19, 1993 and May 22-24, 1994 when the chart record wasn't complete. Flow values for the period Nov. 1, 1993-May 5, 1994 were computed with the Marsh-McBirney FLO-TOTE installed by the City of Ft. Collins. Station maintained and records developed by George E. Sievers.

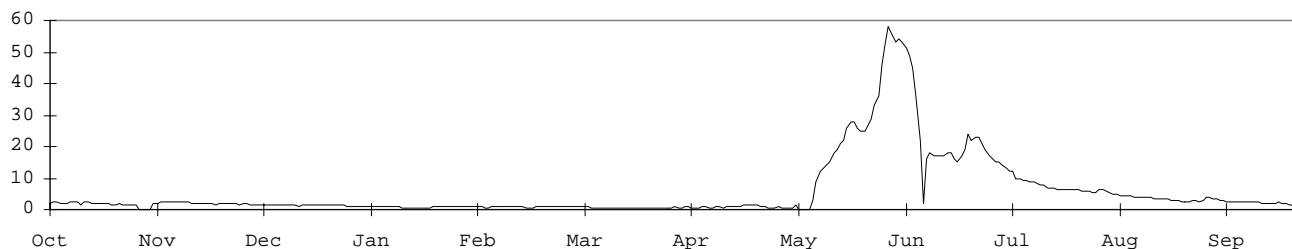
**RATING TABLE.**--MICDCPC002 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.0	1.7	1.0	0.78	0.84	0.72	0.73	58	16	6.2	3.9
2	2.2	2.4	1.6	0.99	0.77	0.84	0.73	0.68	55	15	6.2	3.9
3	2.2	2.5	1.6	0.95	0.74	0.86	0.77	0.36	53	15	5.7	3.4
4	2.0	2.6	1.4	0.94	0.73	0.83	0.74	0.34	54	14	5.4	3.2
5	2.0	2.5	1.6	0.89	0.72	0.77	0.72	1.3	53	13	5.1	2.8
6	1.8	2.4	1.6	0.81	0.74	0.75	0.71	0.0	51	12	4.9	2.8
7	2.4	2.4	1.6	0.77	0.74	0.71	0.73	0.0	49	12	4.6	2.6
8	2.2	2.2	1.5	0.77	0.77	0.66	0.74	0.0	45	10	4.4	2.6
9	2.2	2.2	1.5	0.75	0.74	0.61	0.74	0.0	36	9.8	4.6	2.4
10	1.5	2.2	1.4	0.74	0.74	0.57	0.73	3.1	22	9.2	4.4	2.4
11	2.2	1.8	1.3	0.73	0.77	0.55	0.73	8.9	2.0	9.2	4.1	2.2
12	2.4	2.1	1.2	0.73	0.80	0.55	0.77	12	16	8.9	4.1	2.2
13	2.0	2.1	1.3	0.71	0.80	0.58	0.77	13	18	8.6	3.9	2.2
14	1.8	2.0	1.4	0.71	0.78	0.61	0.73	14	17	8.2	3.7	2.4
15	2.0	2.0	1.4	0.72	0.76	0.65	0.89	15	17	7.9	3.7	2.2
16	1.8	2.0	1.5	0.71	0.73	0.68	1.0	18	17	7.6	3.7	2.2
17	1.8	1.8	1.4	0.73	0.70	0.63	1.0	19	17	7.0	3.4	2.0
18	1.8	1.7	1.4	0.72	0.71	0.72	1.1	21	18	6.8	3.4	2.0
19	1.7	2.0	1.4	0.72	0.74	0.70	1.0	22	18	6.8	3.4	2.0
20	1.5	1.9	1.4	0.75	0.76	0.67	1.3	26	16	6.5	3.2	2.0
21	1.8	1.9	1.4	0.76	0.77	0.73	1.5	28	15	6.2	3.2	2.0
22	1.7	1.8	1.3	0.76	0.77	0.65	1.5	28	17	6.2	3.0	2.2
23	1.7	1.8	1.3	0.77	0.77	0.64	1.5	26	19	6.5	2.8	2.0
24	1.7	1.8	1.3	0.78	0.77	0.66	1.3	25	24	6.5	2.8	1.8
25	1.5	1.7	1.3	0.79	0.80	0.67	1.1	25	22	6.5	2.6	1.7
26	1.3	1.8	1.2	0.79	0.78	0.67	0.83	27	23	6.2	2.4	1.5
27	0.0	1.8	1.2	0.80	0.78	0.67	0.57	29	23	5.9	2.4	1.5
28	0.0	1.7	1.2	0.81	0.80	0.66	0.54	33	21	5.7	2.8	1.5
29	0.0	1.7	1.1	0.81	---	0.68	0.59	36	19	5.7	2.8	1.5
30	0.0	1.7	1.1	0.80	---	0.73	0.82	46	17	5.4	2.4	1.5
31	2.0	---	1.1	0.78	---	0.77	---	52	---	5.4	2.8	---
TOTAL	51.2	60.5	42.7	24.49	21.26	21.31	26.87	530.41	832.0	269.7	118.1	68.6
MEAN	1.65	2.02	1.38	0.79	0.76	0.69	0.90	17.1	27.7	8.70	3.81	2.29
AC-FT	102	120	85	49	42	42	53	1050	1650	535	234	136
MAX	2.4	2.6	1.7	1.0	0.80	0.86	1.5	52	58	16	6.2	3.9
MIN	0.0	1.7	1.1	0.71	0.70	0.55	0.54	0.0	2.0	5.4	2.4	1.5

CAL YR 1993 TOTAL 3073.1 MEAN 8.42 MAX 74 MIN 0.00 AC-FT 6100  
WTR YR 1994 TOTAL 2067.14 MEAN 5.66 MAX 58 MIN 0.00 AC-FT 4100

MAX DISCH 67 CFS AT 1630 01-JUN-1994 GH 1.58 FT. SHIFT 0.00 FT. MAX GH 1.58 FT. AT 1630 01-JUN-1994



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06746500 SKYLINE DITCH NEAR CHAMBERS LAKE, CO

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

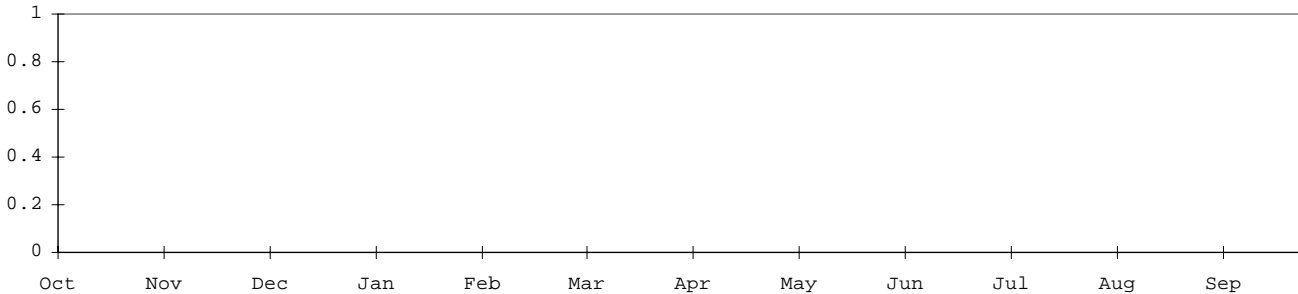
GAGE.--F-type graphic water-stage recorder at 10' Parshall flume.

REMARKS.--Record is complete and reliable. No water run in 1994 Water Year. Station maintained and records developed by George E. Sievers.

RATING TABLE.--SKYDCLCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	---	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAL YR 1993 TOTAL			0 MEAN	0.00 MAX		0.00 MIN		0.00 AC-FT		0.00		
WTR YR 1994 TOTAL			0 MEAN	0.00 MAX		0.00 MIN		0.00 AC-FT		0.00		





## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

06747000 LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE, CO

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

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

**REMARKS.**--Record is complete and reliable. Water was run May 7-Aug. 30, Sep. 3,-Sep.9, 1994. Station maintained and records developed by George E. Sievers.

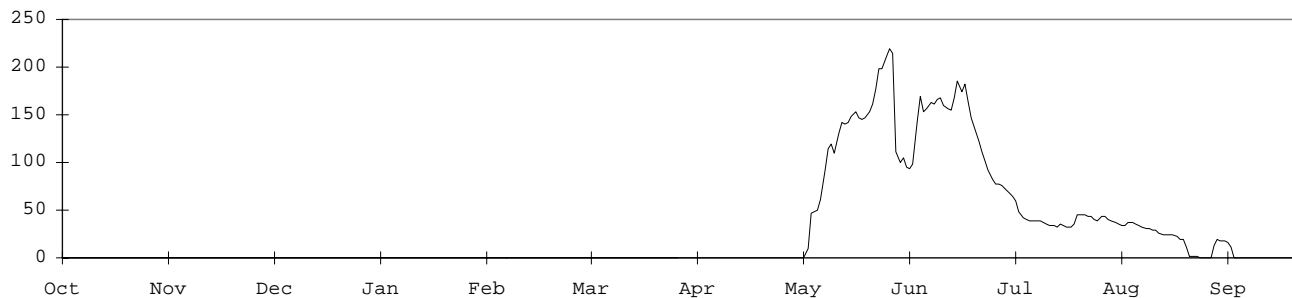
**RATING TABLE.** --LAPTUNCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	215	78	44	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111	78	44	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	76	40	13
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	72	38	20
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95	68	37	18
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94	65	35	17
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	98	60	34	16
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	143	48	34	12
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	169	42	37	0.38
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	154	41	37	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	156	39	35	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92	163	38	34	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114	161	39	33	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120	166	38	31	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110	167	37	30	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130	160	35	29	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	142	157	34	29	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140	155	34	26	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	142	168	33	25	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	149	185	35	24	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153	174	34	24	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146	183	32	24	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	164	32	22	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146	147	35	20	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153	137	45	20	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	161	123	45	12	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178	112	45	0.90	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	199	102	43	0.84	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	199	92	43	0.87	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	212	83	40	0.44	0.0
31	0.0	---	0.0	0.0	---	0.0	---	220	---	38	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3267	4239	1422	801.04	96.38
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	141	45.9	25.8	3.21
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6480	8410	2820	1590	191
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220	215	78	44	20
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	32	0.0	0.0

CAL YR 1993 TOTAL 9925.77 MEAN 27.2 MAX 242 MIN 0.00 AC-FT 19690  
WTR YR 1994 TOTAL 9825.42 MEAN 26.9 MAX 220 MIN 0.00 AC-FT 19490

MAX DISCH 266 CFS AT 1730 01-JUN-1994 GH 3.30 FT. SHIFT 0.00 FT. MAX GH 3.30 FT. AT 1730 01-JUN-1994



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

DEADMAN DITCH NEAR DEADMAN PARK, CO

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

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

REMARKS.--Record is complete and reliable. Water was run May 25-Jun. 14, 1994. Station maintained and records developed by George E. Sievers.

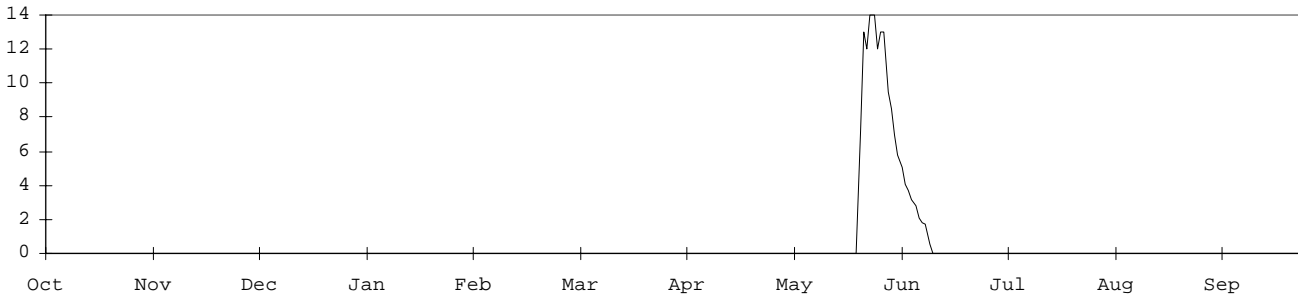
RATING TABLE.--DEADDP001 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	13	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	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	0.0	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	7.2	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	14	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	12	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	13	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.2	68.86	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.75	2.30	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	169	137	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	13	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 1993 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1994 TOTAL 154.06 MEAN 0.42 MAX 14 MIN 0.00 AC-FT 306

MAX DISCH 24 CFS AT 0030 01-JUN-1994 GH 1.00 FT. SHIFT 0.00 FT. MAX GH 1.00 FT. AT 0030 01-JUN-1994



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

06750500 WILSON SUPPLY DITCH NEAR EATON RESERVOIR, CO

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

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

**REMARKS.**--Record is complete and reliable. Water was run May 7-Jun. 14, 1994. Station maintained and records developed by George E. Sievers.

**RATING TABLE.**--WSDEARCO02 USED FROM 01-OCT-1993 TO 14-JUN-1994

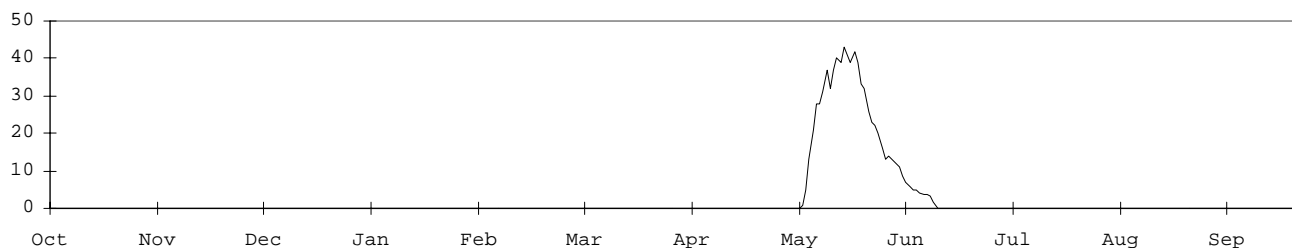
**RATING TABLE.**--WSDEARCO03 USED FROM 15-JUN-1994 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	14	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.7	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	5.1	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	4.8	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	4.3	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	3.8	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	3.5	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	3.2	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	1.6	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	20	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	16	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	13	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	700.8	97.7	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6	3.26	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1390	194	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	14	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 1993 TOTAL 708.5 MEAN 1.94 MAX 75 MIN 0.00 AC-FT 1410  
WTR YR 1994 TOTAL 798.5 MEAN 2.19 MAX 43 MIN 0.00 AC-FT 1580

MAX DISCH 64 CFS AT 2145 19-MAY-1994 GH 1.36 FT. SHIFT 0.00 FT. MAX GH 1.36 FT. AT 2145 19-MAY-1994



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: Nov. 1, 1993-Apr. 25, 1994 when canal was shut down for the winter; Aug. 21-23, 1994 when pulley wheel on recorder was loose. Record is good except for periods of no gage-height record, which is fair. Station maintained by Pioneer Ditch Company. Records developed by Fred H. Renner.

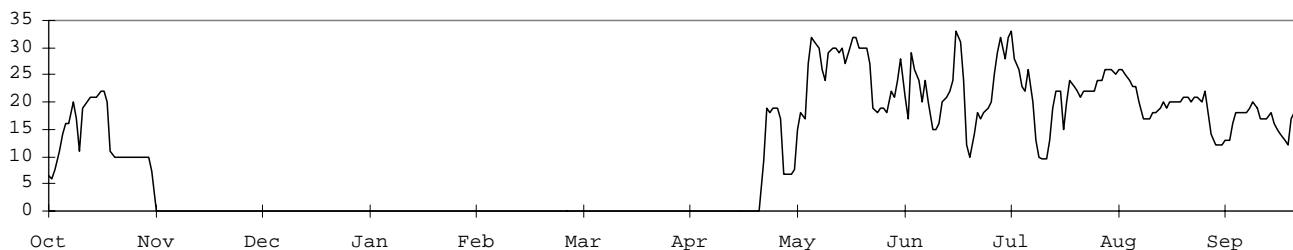
RATING TABLE.--PIOHDGCO03 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	0.0	0.0	0.0	0.0	0.0	0.0	17	18	20	24	22
2	6.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	22	25	24	18
3	7.5	0.0	0.0	0.0	0.0	0.0	0.0	6.7	21	29	26	14
4	11	0.0	0.0	0.0	0.0	0.0	0.0	6.7	24	32	26	12
5	14	0.0	0.0	0.0	0.0	0.0	0.0	7.5	28	28	26	12
6	16	0.0	0.0	0.0	0.0	0.0	0.0	15	21	32	25	12
7	16	0.0	0.0	0.0	0.0	0.0	0.0	18	17	33	26	13
8	20	0.0	0.0	0.0	0.0	0.0	0.0	17	29	28	26	13
9	17	0.0	0.0	0.0	0.0	0.0	0.0	27	26	26	25	16
10	11	0.0	0.0	0.0	0.0	0.0	0.0	32	24	23	24	18
11	19	0.0	0.0	0.0	0.0	0.0	0.0	31	20	22	23	18
12	20	0.0	0.0	0.0	0.0	0.0	0.0	30	24	26	23	18
13	21	0.0	0.0	0.0	0.0	0.0	0.0	26	20	20	20	18
14	21	0.0	0.0	0.0	0.0	0.0	0.0	24	15	13	17	19
15	21	0.0	0.0	0.0	0.0	0.0	0.0	29	15	9.9	17	20
16	22	0.0	0.0	0.0	0.0	0.0	0.0	30	16	9.6	17	19
17	22	0.0	0.0	0.0	0.0	0.0	0.0	30	20	9.6	18	17
18	20	0.0	0.0	0.0	0.0	0.0	0.0	29	21	13	18	17
19	11	0.0	0.0	0.0	0.0	0.0	0.0	30	22	19	19	17
20	9.8	0.0	0.0	0.0	0.0	0.0	0.0	27	24	22	20	18
21	9.8	0.0	0.0	0.0	0.0	0.0	0.0	30	33	22	19	16
22	9.8	0.0	0.0	0.0	0.0	0.0	0.0	32	31	15	20	15
23	9.8	0.0	0.0	0.0	0.0	0.0	0.0	32	24	20	20	14
24	9.8	0.0	0.0	0.0	0.0	0.0	0.0	30	12	24	20	13
25	9.8	0.0	0.0	0.0	0.0	0.0	0.0	30	10	23	20	12
26	10	0.0	0.0	0.0	0.0	0.0	9.3	30	14	22	21	17
27	10	0.0	0.0	0.0	0.0	0.0	19	27	18	21	21	18
28	10	0.0	0.0	0.0	0.0	0.0	18	19	17	22	20	18
29	10	0.0	0.0	0.0	---	0.0	19	18	18	22	21	21
30	9.8	0.0	0.0	0.0	---	0.0	19	19	19	22	21	24
31	7.2	---	0.0	0.0	---	0.0	---	19	---	22	20	---
TOTAL	417.7	0.0	0.0	0.0	0.0	0.0	84.3	725.8	623	675.1	667	499
MEAN	13.5	0.0	0.0	0.0	0.0	0.0	2.81	23.4	20.8	21.8	21.5	16.6
AC-FT	829	0.0	0.0	0.0	0.0	0.0	167	1440	1240	1340	1320	990
MAX	22	0.0	0.0	0.0	0.0	0.0	19	32	33	33	26	24
MIN	6.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	10	9.6	17	12

CAL YR 1993 TOTAL 2833.30 MEAN 7.76 MAX 28 MIN 0.00 AC-FT 5620  
WTR YR 1994 TOTAL 3691.9 MEAN 10.1 MAX 33 MIN 0.00 AC-FT 7320

MAX DISCH 38 CFS AT 1200 08-JUN-1994 GH 1.57 FT. SHIFT -0.08 FT. MAX GH 1.57 FT. AT 1200 08-JUN-1994



## REPUBLICAN RIVER BASIN

## PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE

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

**DRAINAGE AREA.**--N/A

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

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 2, 1993-Apr. 25, 1994 when the ditch was off; June 8, 1994 hailstorm event when submergence data was insufficient to compute reliable discharge. The conditions at the gage makes record computation very difficult. Stage-shift curves were needed because of the fluctuation of submergence. This is the result of backwater from boards in canal, and sudden rain/hailstorms. Record is fair, except for period of no gage-height record and period of submergence, which is poor. Records developed by Fred H. Renner.

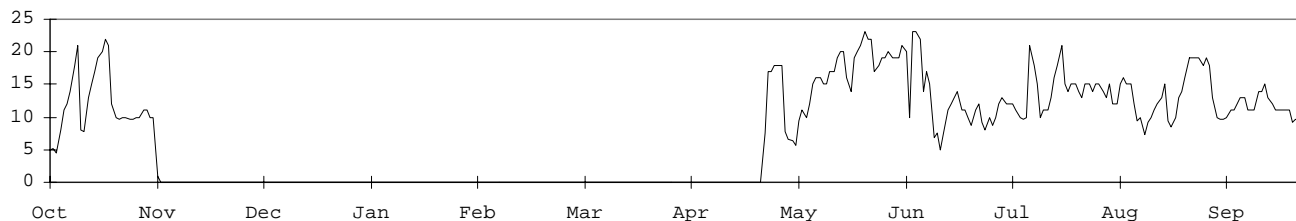
**RATING TABLE.**--PIOSTLCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	0.90	0.0	0.0	0.0	0.0	0.0	18	20	8.7	15	19
2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	7.8	19	10	14	18
3	4.5	0.0	0.0	0.0	0.0	0.0	0.0	6.6	19	12	13	13
4	8.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	19	13	15	10
5	11	0.0	0.0	0.0	0.0	0.0	0.0	5.7	21	12	12	9.7
6	12	0.0	0.0	0.0	0.0	0.0	0.0	9.4	20	12	12	9.7
7	14	0.0	0.0	0.0	0.0	0.0	0.0	11	10	12	15	10
8	18	0.0	0.0	0.0	0.0	0.0	0.0	10	23	11	16	11
9	21	0.0	0.0	0.0	0.0	0.0	0.0	12	23	10	15	11
10	8.1	0.0	0.0	0.0	0.0	0.0	0.0	15	22	9.7	15	12
11	7.9	0.0	0.0	0.0	0.0	0.0	0.0	16	14	10	12	13
12	13	0.0	0.0	0.0	0.0	0.0	0.0	16	17	21	9.5	13
13	15	0.0	0.0	0.0	0.0	0.0	0.0	15	15	18	10	11
14	17	0.0	0.0	0.0	0.0	0.0	0.0	15	6.8	15	7.2	11
15	19	0.0	0.0	0.0	0.0	0.0	0.0	17	7.5	10	9.3	11
16	20	0.0	0.0	0.0	0.0	0.0	0.0	17	5.0	11	10	14
17	22	0.0	0.0	0.0	0.0	0.0	0.0	19	7.5	11	11	14
18	21	0.0	0.0	0.0	0.0	0.0	0.0	20	11	13	12	15
19	12	0.0	0.0	0.0	0.0	0.0	0.0	20	12	16	13	13
20	10	0.0	0.0	0.0	0.0	0.0	0.0	16	13	18	15	12
21	9.7	0.0	0.0	0.0	0.0	0.0	0.0	14	14	21	9.5	11
22	10	0.0	0.0	0.0	0.0	0.0	0.0	19	11	15	8.5	11
23	10	0.0	0.0	0.0	0.0	0.0	0.0	20	11	14	10	11
24	9.7	0.0	0.0	0.0	0.0	0.0	0.0	21	10	15	13	11
25	9.7	0.0	0.0	0.0	0.0	0.0	0.0	23	8.7	15	14	11
26	10	0.0	0.0	0.0	0.0	0.0	7.6	22	11	14	16	9.3
27	10	0.0	0.0	0.0	0.0	0.0	17	22	12	13	19	9.7
28	11	0.0	0.0	0.0	0.0	0.0	17	17	9.1	15	19	9.5
29	11	0.0	0.0	0.0	---	0.0	18	18	8.1	15	19	11
30	10	0.0	0.0	0.0	---	0.0	18	19	10	14	19	14
31	10	---	0.0	0.0	---	0.0	---	19	---	15	18	---
TOTAL	374.7	0.90	0.0	0.0	0.0	0.0	77.6	486.9	409.7	419.4	416.0	358.9
MEAN	12.1	0.03	0.0	0.0	0.0	0.0	2.59	15.7	13.7	13.5	13.4	12.0
AC-FT	743	1.8	0.0	0.0	0.0	0.0	154	966	813	832	825	712
MAX	22	0.90	0.0	0.0	0.0	0.0	18	23	23	21	19	19
MIN	4.5	0.0	0.0	0.0	0.0	0.0	0.0	5.7	5.0	8.7	7.2	9.3

CAL YR 1993 TOTAL 2226.19 MEAN 6.10 MAX 24 MIN 0.00 AC-FT 4420  
WTR YR 1994 TOTAL 2544.10 MEAN 6.97 MAX 23 MIN 0.00 AC-FT 5050

MAX DISCH 34 CFS AT 2100 12-JUL-1994 GH 2.65 FT. SHIFT -1.03 FT. MAX GH 2.65 FT. AT 2100 12-JUL-1994



REPUBLICAN RIVER BASIN

HALE DITCH BELOW BONNY RESERVOIR NEAR HALE, CO

LOCATION.--Lat 39°37'15", long 102°10'15", SW¼SW¼ sec. 15, T.5 S., R.43 W., Yuma County, east of Bonny Reservoir.

GAGE.--Rockwell Meter. Station maintained by U.S. Bureau of Reclamation.

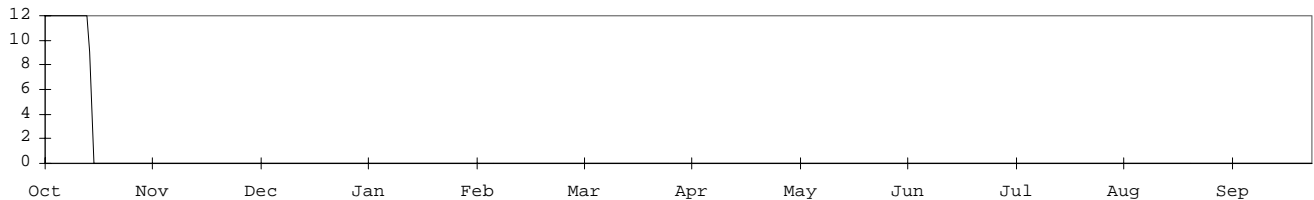
REMARKS.--No water diverted in WY 1994 due to construction. Record developed by Jim Clark with cooperation of U.S. Bureau of Reclamation, McCook, Nebraska.

RATING TABLE.--HLDBBRC001 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	9.1	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	165.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	5.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	327	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	12	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 1993 TOTAL	1768.1	MEAN	4.84	MAX	20	MIN	0.00	AC-FT	3510
WTR YR 1994 TOTAL	165.1	MEAN	0.45	MAX	12	MIN	0.00	AC-FT	327



## ARKANSAS RIVER BASIN

## LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO

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

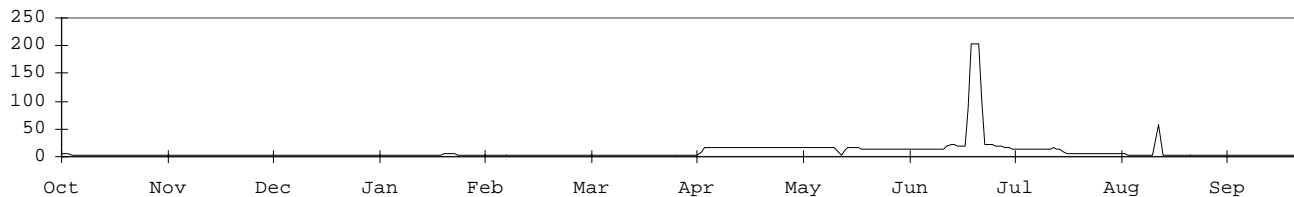
**GAGE.**--Water-stage recorder and satellite telemetry. Elevation of gage datum 9,720 ft. from topographic map.

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

**RATING TABLE.**--LFCBSLCO04 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	3.6	3.7	3.7	4.0	3.7	3.9	16	15	20	4.9	3.4
2	4.3	3.7	3.4	3.7	3.8	3.7	4.0	16	15	18	4.9	3.4
3	4.3	3.7	3.4	3.7	3.7	3.7	3.9	16	15	18	5.1	3.4
4	4.1	3.7	3.4	3.7	3.7	3.7	4.0	16	15	17	5.3	3.4
5	3.7	3.7	3.4	3.7	3.7	3.7	3.7	16	14	16	5.3	3.6
6	3.7	3.7	3.4	3.7	3.7	3.7	8.9	16	15	15	5.3	3.3
7	3.7	3.7	3.4	3.7	3.7	3.7	16	16	15	15	5.3	3.2
8	3.7	3.7	3.5	3.7	3.7	3.7	16	16	15	15	4.8	3.4
9	3.7	3.7	3.7	3.7	3.7	3.7	16	16	15	15	4.0	3.4
10	3.7	3.7	3.7	3.7	3.7	3.7	16	16	14	15	3.6	3.5
11	3.7	3.7	3.7	3.7	3.7	3.7	16	16	14	15	3.4	3.7
12	3.7	3.7	3.7	3.7	3.7	3.7	16	16	14	15	3.4	3.5
13	3.2	3.7	3.7	3.7	3.7	3.7	16	16	14	15	3.4	3.4
14	2.8	3.7	3.7	3.7	3.7	3.7	16	16	14	15	3.4	3.4
15	3.3	3.7	3.7	3.7	3.7	3.7	16	16	14	15	3.4	3.4
16	3.7	3.7	3.7	3.7	3.7	3.7	16	8.4	14	15	3.4	3.4
17	3.7	3.7	3.7	3.9	3.7	3.7	16	2.4	18	15	31	3.4
18	3.7	3.7	3.7	4.0	3.7	3.7	16	10	21	16	57	3.4
19	3.7	3.7	3.7	4.0	3.7	3.7	16	16	21	15	3.3	3.4
20	3.8	3.7	3.7	4.0	3.7	3.7	16	16	20	13	3.4	3.4
21	4.0	3.7	3.7	4.2	3.7	3.7	16	16	20	8.3	3.4	3.4
22	4.0	3.7	3.7	4.3	3.7	3.7	17	16	20	6.0	3.5	3.1
23	4.0	3.7	3.7	4.3	3.7	3.7	17	15	88	4.9	3.7	3.3
24	4.0	3.7	3.7	4.3	3.7	3.7	17	15	203	4.9	3.5	3.4
25	4.0	3.9	3.7	4.1	3.7	3.7	16	15	203	4.9	3.4	3.4
26	3.7	4.0	3.7	3.7	3.7	3.6	16	15	203	4.9	3.4	3.6
27	3.4	4.0	3.7	3.7	3.7	3.7	16	15	102	5.0	3.4	3.8
28	3.4	4.0	3.7	3.8	3.7	3.7	16	15	21	5.2	3.4	3.7
29	3.4	4.0	3.7	4.0	---	3.7	16	15	21	5.2	3.4	3.7
30	3.4	4.0	3.7	4.0	---	3.7	16	15	21	4.9	3.4	3.7
31	3.4	---	3.7	4.0	---	3.8	---	15	---	4.9	3.4	---
TOTAL	115.7	112.6	112.7	119.5	104.0	114.7	415.4	459.8	1214	372.1	201.5	103.5
MEAN	3.73	3.75	3.64	3.85	3.71	3.70	13.8	14.8	40.5	12.0	6.50	3.45
AC-FT	229	223	224	237	206	228	824	912	2410	738	400	205
MAX	4.8	4.0	3.7	4.3	4.0	3.8	17	16	203	20	57	3.8
MIN	2.8	3.6	3.4	3.7	3.7	3.6	3.7	2.4	14	4.9	3.3	3.1
CAL YR 1993 TOTAL		10654.3	MEAN	29.2	MAX	359	MIN	2.6	AC-FT	21130		
WTR YR 1994 TOTAL		3445.5	MEAN	9.44	MAX	203	MIN	2.4	AC-FT	6830		
MAX DISCH	206 CFS AT 1645	23-JUN-1994	GH	1.53 FT.	SHIFT	0.00 FT.	MAX GH	1.53 FT.	AT 1645	23-JUN-1994		



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.**--75 mi<sup>2</sup>.

**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. 26, 1993-Apr. 14, 1994 when the station was closed for the winter. Apr. 15-19, 1994 when the stage-discharge relationship was affected by ice. Oct. 29-Nov. 26, 1993 when the stilling well was frozen. Record good, except for periods of ice effect, which is poor. Station maintained and records developed by L.R. Schultz.

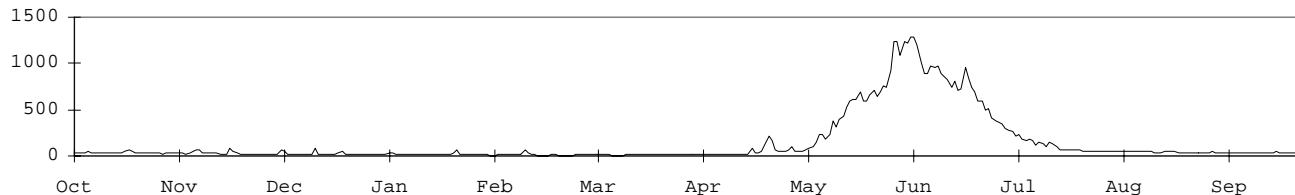
**RATING TABLE.**--LAKATLCO18 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	26	63	11	8.1	8.3	10	99	1230	356	48	34
2	37	25	52	38	8.2	8.3	10	51	1090	351	49	43
3	40	23	21	40	8.4	8.5	9.8	49	1230	297	48	41
4	39	40	17	14	8.7	8.6	9.8	44	1220	288	47	40
5	45	45	16	13	9.0	8.8	9.6	58	1280	265	45	36
6	27	65	16	12	9.2	8.7	9.6	90	1280	214	47	35
7	28	66	16	11	9.6	8.4	9.6	102	1200	228	44	33
8	30	28	16	11	10	8.3	9.6	150	1010	176	43	31
9	30	27	16	11	10	8.2	9.4	230	882	157	43	31
10	30	27	17	11	11	8.0	9.4	227	896	179	44	31
11	29	26	82	10	58	8.0	9.6	181	980	165	42	29
12	31	25	19	10	33	8.2	9.6	237	950	122	42	32
13	29	24	15	10	10	8.6	9.8	378	977	144	48	33
14	29	23	14	10	9.0	8.8	9.8	311	888	135	45	40
15	37	22	14	11	8.0	9.0	10	399	861	107	43	37
16	56	84	14	11	8.0	9.7	12	422	826	146	40	33
17	72	47	13	11	8.1	10	13	520	734	140	39	31
18	48	25	25	11	8.2	10	14	601	811	96	39	31
19	26	20	42	16	8.3	9.8	80	610	715	72	48	39
20	27	21	16	16	8.4	10	31	606	721	71	46	38
21	26	22	15	30	8.2	9.8	32	687	956	69	43	43
22	27	22	14	64	8.2	10	48	593	842	67	42	38
23	26	22	13	21	8.0	10	111	587	750	64	39	35
24	25	22	12	19	8.0	10	208	658	692	62	38	32
25	26	21	11	15	8.2	10	170	707	597	60	37	30
26	26	20	11	13	8.4	9.8	65	644	595	57	35	28
27	24	20	12	12	8.6	10	45	697	494	55	34	26
28	28	19	12	11	8.5	9.6	48	764	513	53	35	24
29	32	18	13	10	---	9.4	56	742	404	50	35	23
30	40	18	12	10	---	9.4	70	920	371	49	35	30
31	41	---	11	9.0	---	9.8	---	1230	---	47	33	---
TOTAL	1050	893	640	502.0	317.3	284.0	1148.6	13594	25995	4342	1296	1007
MEAN	33.9	29.8	20.6	16.2	11.3	9.16	38.3	439	867	140	41.8	33.6
AC-FT	2080	1770	1270	996	629	563	2280	26960	51560	8610	2570	2000
MAX	72	84	82	64	58	10	208	1230	1280	356	49	43
MIN	24	18	11	9.0	8.0	8.0	9.4	44	371	47	33	23

CAL YR 1993 TOTAL 72069.8 MEAN 197 MAX 1410 MIN 7.0 AC-FT 143000  
WTR YR 1994 TOTAL 51068.9 MEAN 140 MAX 1280 MIN 8.0 AC-FT 101300

MAX DISCH 1570 CFS AT 2130 05-JUN-1994 GH 4.29 FT. SHIFT 1.21 FT. MAX GH 4.37 FT. AT 2315 31-MAY-1994





## 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 and concrete flume. Datum of gage is 9,200 ft. above mean sea level.

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

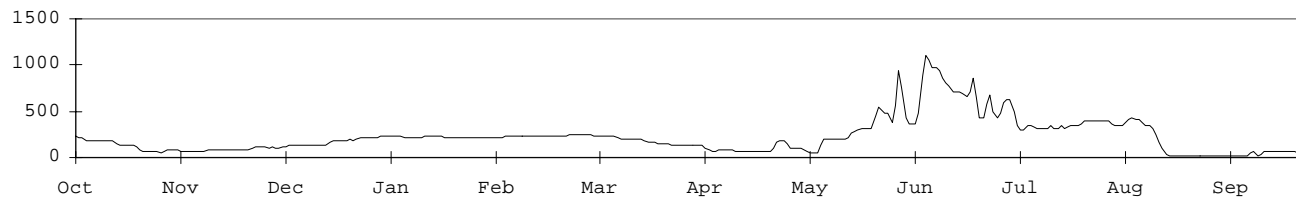
**RATING TABLE.**--LAKBTLC007 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	233	73	110	238	212	252	128	96	939	485	392	14
2	212	70	111	235	209	242	128	96	761	592	391	15
3	211	70	128	235	208	235	128	96	431	634	364	15
4	189	70	137	235	216	235	128	82	362	630	342	15
5	179	70	136	227	227	235	106	64	368	496	341	15
6	179	70	137	220	224	235	77	57	359	351	340	15
7	178	70	138	220	223	235	68	57	478	298	378	15
8	179	69	136	218	225	237	73	57	887	297	414	15
9	179	78	136	217	227	236	80	127	1110	348	422	15
10	177	84	136	214	224	222	81	200	1060	347	419	15
11	176	84	136	221	225	201	79	201	968	324	415	15
12	174	86	137	233	229	201	80	199	973	307	372	15
13	144	86	136	236	228	199	80	198	936	307	349	44
14	131	86	137	237	225	198	70	199	861	305	348	65
15	130	86	167	235	225	198	61	201	809	317	314	12
16	130	86	182	235	224	200	61	202	767	343	243	35
17	130	86	184	236	227	204	61	222	715	317	170	68
18	130	86	184	221	224	183	61	263	709	319	93	68
19	117	86	183	208	224	159	61	287	703	343	32	68
20	79	86	183	209	226	159	61	294	685	319	16	67
21	68	86	192	209	226	157	61	305	665	333	16	67
22	67	97	188	209	227	154	60	306	717	349	16	67
23	67	114	205	210	227	153	60	309	855	352	14	67
24	67	113	212	211	245	156	60	312	656	349	14	67
25	59	108	212	210	251	141	98	439	421	362	14	67
26	54	108	212	211	248	128	172	546	421	393	14	58
27	64	107	208	210	247	128	184	504	580	400	14	49
28	80	108	207	210	250	128	184	480	669	400	14	49
29	80	107	209	210	---	128	142	483	489	401	14	50
30	79	107	224	211	---	128	96	383	425	397	14	32
31	78	---	238	213	---	128	---	563	---	396	14	---
TOTAL	4020	2637	5241	6844	6373	5795	2789	7828	20779	11811	6313	1179
MEAN	130	87.9	169	221	228	187	93.0	253	693	381	204	39.3
AC-FT	7970	5230	10400	13580	12640	11490	5530	15530	41220	23430	12520	2340
MAX	233	114	238	238	251	252	184	563	1110	634	422	68
MIN	54	69	110	208	208	128	60	57	359	297	14	12

CAL YR 1993 TOTAL 119501 MEAN 327 MAX 1490 MIN 16 AC-FT 237000  
WTR YR 1994 TOTAL 81609 MEAN 224 MAX 1110 MIN 12 AC-FT 161900

MAX DISCH 1145 CFS AT 1015 10-JUN-1994 GH 4.25 FT. SHIFT 0.00 FT. MAX GH 4.25 FT. AT 1015 10-JUN-1994



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.**--427 mi<sup>2</sup>.

**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 datums. 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.

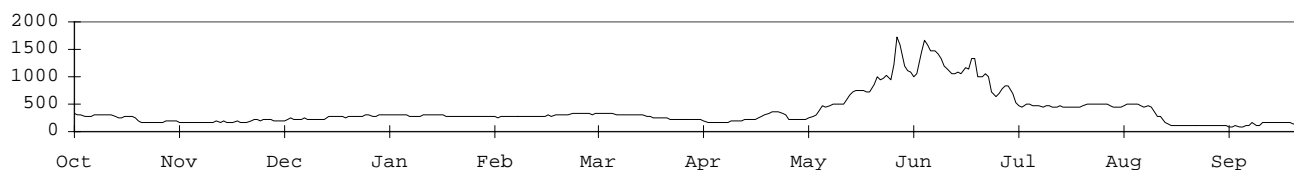
**REMARKS.**--Record is complete and reliable except for the following periods: Oct. 29, 30; Nov. 1-3, 5-11, 13, 15-22, 25-30; Dec. 1-11, 14-15, 17-24, 29, 1993. Jan. 7, 31; Feb. 1-2, 13; Mar. 13, 18, 1994 when stage-discharge relationship was affected by ice. Record good, except for periods of ice effect, which is poor. Station maintained and records developed by L.R. Schultz.

**RATING TABLE.**--ARKGRNC010 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	331	180	202	310	281	328	217	235	1710	681	488	102
2	307	172	200	310	271	323	220	226	1570	791	497	117
3	305	168	222	310	263	318	215	223	1190	846	479	117
4	290	174	242	311	271	324	228	210	1120	824	447	110
5	281	167	230	311	285	329	205	217	1080	688	435	104
6	289	166	236	302	280	326	168	254	1010	528	433	98
7	293	166	232	300	278	324	164	285	1060	471	462	95
8	297	158	244	289	285	326	167	292	1450	450	494	95
9	301	165	228	289	286	324	170	381	1660	504	506	98
10	305	170	227	289	286	317	174	460	1570	500	510	94
11	305	176	226	289	291	296	175	453	1470	478	504	92
12	306	183	231	301	289	297	173	462	1470	460	468	98
13	282	170	230	305	283	293	182	498	1420	460	456	120
14	260	182	229	308	284	298	193	506	1330	455	461	165
15	262	170	270	308	284	300	183	496	1200	459	432	101
16	265	175	264	307	286	306	204	504	1130	481	349	119
17	265	180	275	306	291	308	226	570	1050	454	274	155
18	265	183	278	296	293	292	226	655	1060	439	274	158
19	249	179	269	282	289	281	225	721	1080	460	171	163
20	206	175	261	284	297	279	229	744	1050	451	130	163
21	180	173	287	281	297	259	244	753	1160	442	121	176
22	180	186	265	280	296	258	272	740	1130	451	120	173
23	180	214	279	281	292	262	314	726	1320	452	113	166
24	177	212	287	284	313	257	342	718	1320	448	111	160
25	169	204	288	281	326	242	357	856	1010	458	107	161
26	163	225	292	283	320	220	358	1010	994	481	101	150
27	160	219	293	280	323	213	353	946	1060	488	98	139
28	190	210	288	281	328	218	332	977	1000	488	99	142
29	196	205	290	279	---	213	296	1030	720	488	103	144
30	187	204	296	280	---	213	232	952	631	488	103	134
31	190	---	311	281	---	218	---	1220	---	488	100	---
TOTAL	7636	5511	7972	9098	8168	8762	7044	18320	36025	16052	9446	3909
MEAN	246	184	257	293	292	283	235	591	1201	518	305	130
AC-FT	15150	10930	15810	18050	16200	17380	13970	36340	71460	31840	18740	7750
MAX	331	225	311	311	328	329	358	1220	1710	846	510	176
MIN	160	158	200	279	263	213	164	210	631	439	98	92
CAL YR 1993 TOTAL		203278	MEAN	557	MAX	2410	MIN	111	AC-FT	403200		
WTR YR 1994 TOTAL		137943	MEAN	378	MAX	1710	MIN	92	AC-FT	273600		

MAX DISCH 1914 CFS AT 0845 02-JUN-1994 GH 4.99 FT. SHIFT -0.12 FT. MAX GH 4.99 FT. AT 0845 02-JUN-1994



## 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 mi<sup>2</sup>.

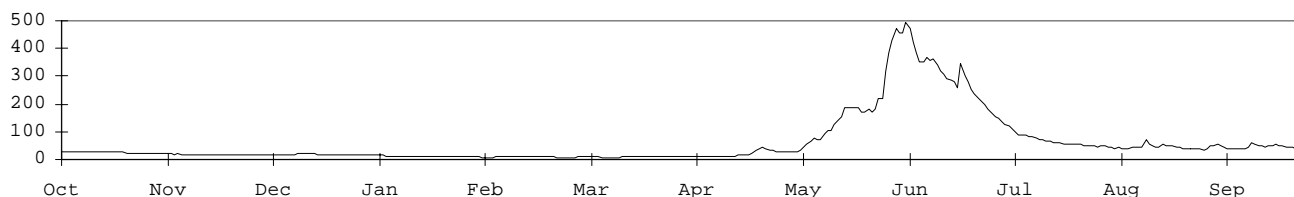
**GAGE.**--Water-stage recorder in a 42-inch diameter metal pipe shelter and well. Float-tape index installed Jul. 29, 1993.

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 15, 1993-Mar. 20, 1994 when the station was closed for the winter. Oct. 30-31; Nov. 2, 6-9, 12-14, 1993; Mar. 26-28, 30-31, 1994; Apr. 6, 1994 when stage-discharge relationship was affected by ice. Nov. 10-11, 1993 when stilling well was temporarily frozen. Discharge for periods of no gage-height record and ice affected record was estimated on the basis of seven measurements and weather records. Station maintained and records developed by L.R. Schultz.

**RATING TABLE.**--CCACCRCO14 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	23	18	14	8.0	8.4	10	27	427	156	47	37
2	28	22	18	14	8.0	8.4	12	25	470	147	49	49
3	28	19	17	14	8.2	8.6	12	27	456	138	45	50
4	27	20	18	13	8.2	8.6	12	27	456	127	42	55
5	27	18	18	12	8.4	8.8	11	32	492	120	41	47
6	26	18	18	12	8.4	8.8	10	42	470	108	43	43
7	28	17	19	12	8.6	8.4	10	57	421	100	41	40
8	28	16	19	12	9.0	8.2	9.8	64	382	90	39	38
9	28	17	20	11	9.2	8.0	10	78	353	88	40	38
10	30	18	20	11	9.4	7.8	10	73	353	86	44	38
11	29	17	21	11	9.4	7.8	9.2	73	370	82	44	36
12	30	17	21	10	9.6	8.2	9.8	96	359	80	45	41
13	29	16	20	10	9.4	8.2	11	104	364	77	46	46
14	28	16	20	9.8	9.0	8.4	12	106	342	72	72	59
15	28	15	19	9.2	8.8	8.6	11	127	316	70	55	57
16	28	15	18	9.2	8.8	8.6	11	141	306	66	48	50
17	28	15	18	9.0	9.2	8.6	14	156	292	64	45	47
18	28	15	18	9.0	9.2	9.0	15	186	287	63	45	46
19	25	15	18	9.4	9.0	9.0	17	189	278	61	53	49
20	24	15	17	9.6	9.0	9.4	19	186	256	60	50	48
21	23	16	16	9.6	8.8	9.8	24	186	348	57	47	53
22	24	16	16	9.8	8.6	9.8	32	189	302	56	47	50
23	23	16	16	9.8	8.2	9.8	36	169	278	55	43	47
24	22	15	15	10	8.2	9.2	43	172	251	56	42	45
25	22	15	15	9.8	8.0	9.2	41	182	234	55	40	43
26	23	14	14	9.8	8.0	9.2	34	172	222	53	38	42
27	20	14	14	9.6	8.2	9.2	31	182	207	50	37	40
28	21	15	14	9.6	8.2	9.2	28	218	196	49	37	38
29	22	16	14	9.4	---	9.2	28	222	179	48	37	37
30	22	17	14	9.0	---	9.6	27	321	166	47	37	40
31	22	---	14	8.4	---	9.6	---	382	---	46	35	---
TOTAL	800	498	537	326.0	243.0	273.6	559.8	4211	9833	2427	1374	1349
MEAN	25.8	16.6	17.3	10.5	8.68	8.83	18.7	136	328	78.3	44.3	45.0
AC-FT	1590	988	1070	647	482	543	1110	8350	19500	4810	2730	2680
MAX	30	23	21	14	9.6	9.8	43	382	492	156	72	59
MIN	20	14	14	8.4	8.0	7.8	9.2	25	166	46	35	36
CAL YR 1993 TOTAL		27717.4	MEAN	75.9	MAX	492	MIN	8.8	AC-FT	54980		
WTR YR 1994 TOTAL		22431.4	MEAN	61.5	MAX	492	MIN	7.8	AC-FT	44490		
MAX DISCH	643 CFS AT		05-JUN-1994 GH	4.72 FT.	SHIFT	877.00 FT.	MAX GH	4.72 FT.	AT	05-JUN-1994		



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO

**LOCATION.**--Lat 30°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 5' shelter and well. DCP is operated by Pueblo Water Works and is seldom, if ever, operative.

**REMARKS.**--Record is complete and reliable the entire year. Record is good. Records developed by Frank Kipple.

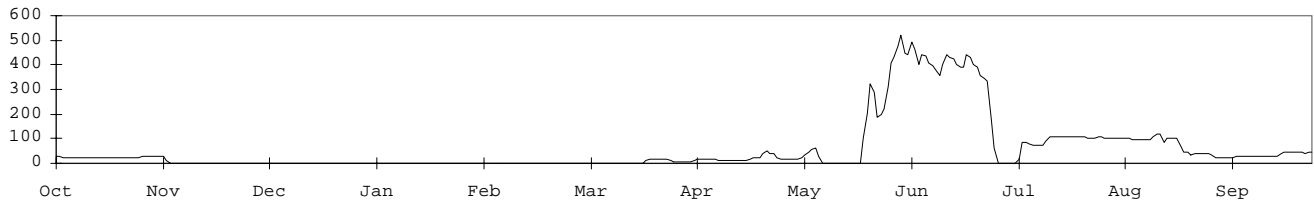
**RATING TABLE.**--CCBCCRC004 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	26	1.1	1.2	1.3	1.3	6.6	18	433	2.1	104	34
2	27	12	1.1	1.2	1.3	1.3	7.1	17	476	2.1	102	23
3	25	1.5	1.1	1.2	1.3	1.3	7.1	17	522	2.0	102	23
4	21	1.3	1.1	1.3	1.3	1.3	13	16	445	2.0	102	22
5	20	1.3	1.1	1.3	1.3	1.3	16	25	440	1.8	102	22
6	20	1.3	1.1	1.3	1.3	1.3	16	33	493	1.8	102	22
7	20	1.2	1.1	1.3	1.3	1.2	15	44	466	16	101	22
8	20	1.2	1.1	1.3	1.3	1.2	15	55	400	84	100	28
9	20	1.1	1.1	1.3	1.3	1.2	15	64	439	84	98	30
10	20	1.1	1.1	1.3	1.3	1.2	15	28	436	78	97	30
11	20	1.1	1.1	1.3	1.3	1.2	13	2.4	410	74	96	30
12	20	1.1	1.1	1.3	1.3	1.2	12	2.4	395	74	96	30
13	20	1.1	1.1	1.3	1.3	1.2	12	2.4	382	73	96	30
14	20	1.1	1.1	1.3	1.3	1.2	12	2.3	358	73	96	30
15	20	1.1	1.1	1.3	1.3	1.2	12	2.3	400	90	110	30
16	20	1.1	1.1	1.3	1.3	1.2	12	2.3	439	109	120	30
17	20	1.1	1.1	1.3	1.3	1.2	11	2.3	431	109	118	31
18	20	1.1	1.1	1.2	1.3	1.2	11	2.3	423	109	83	31
19	20	1.1	1.1	1.2	1.3	1.2	11	2.4	402	107	101	31
20	20	1.1	1.1	1.2	1.3	1.2	18	2.4	390	107	101	31
21	20	1.1	1.1	1.2	1.3	9.4	23	2.5	388	106	101	39
22	20	1.1	1.1	1.2	1.3	18	23	2.5	444	106	101	44
23	20	1.1	1.1	1.2	1.3	18	23	102	433	107	67	43
24	20	1.1	1.1	1.2	1.3	18	39	205	400	106	45	43
25	23	1.1	1.1	1.2	1.3	18	51	321	390	106	43	43
26	26	1.1	1.1	1.3	1.3	18	42	291	358	105	33	43
27	26	1.1	1.1	1.3	1.3	18	37	184	346	104	39	43
28	26	1.1	1.2	1.3	1.3	11	24	198	336	104	39	37
29	26	1.1	1.2	1.3	---	6.2	18	219	175	104	39	45
30	26	1.1	1.2	1.3	---	6.2	18	312	61	105	39	47
31	26	---	1.2	1.3	---	6.6	---	408	---	105	39	---
TOTAL	679	70.0	34.5	39.2	36.4	172.0	547.8	2585.5	11911	2356.8	2612	987
MEAN	21.9	2.33	1.11	1.26	1.30	5.55	18.3	83.4	397	76.0	84.3	32.9
AC-FT	1350	139	68	78	72	341	1090	5130	23630	4670	5180	1960
MAX	27	26	1.2	1.3	1.3	18	51	408	522	109	120	47
MIN	20	1.1	1.1	1.2	1.3	1.2	6.6	2.3	61	1.8	33	22

CAL YR 1993 TOTAL 21817.5 MEAN 59.8 MAX 455 MIN 0.00 AC-FT 43280  
WTR YR 1994 TOTAL 22031.2 MEAN 60.4 MAX 522 MIN 1.1 AC-FT 43700

MAX DISCH 531 CFS AT 0230 03-JUN-1994 GH 3.74 FT. SHIFT 0.01 FT. MAX GH 3.74 FT. AT 0230 03-JUN-1994



ARKANSAS RIVER BASIN

COTTONWOOD CREEK AT BUENA VISTA, CO

**LOCATION.**--Lat 38°50'04", long 106°07'20", in NW¼NW¼, 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. 2 ft. Parshall Flume in concrete dam. Datum of gage 7930 ft. from topographic map.

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 25-29; Dec. 3-4, 6, 14-15, 17-25, 29-31, 1993; Jan. 1, 3, 6-15, 17, 19-23, 25, 27-31; Feb. 1-6, 12-16, 19-20, 23-24, 1994 when stage-discharge relationship was affected by ice. Dec. 1-2, 5, 7-13, 1993 when control was trash covered. Apr. 6-12, 1994 when control was being rebuilt. Records good except those during construction, periods of ice effect and trash buildup, which are poor. Station maintained and records developed by L.R. Schultz.

**RATING TABLE.**--COCRBVCO02 USED FROM 01-OCT-1993 TO 7-APR-1994

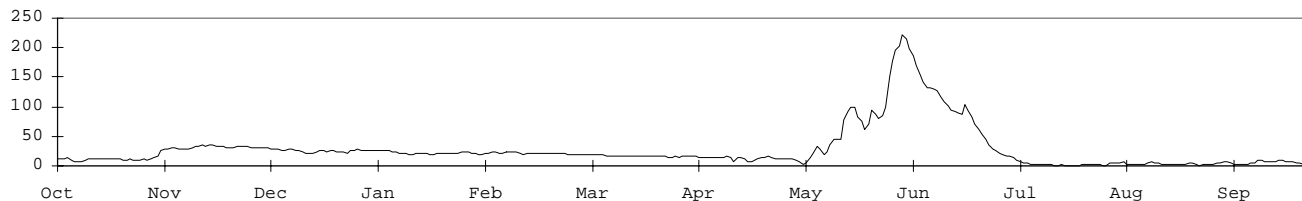
**RATING TABLE.**--COCRBVCO03 USED FROM 08-APR-1994 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	28	30	26	20	19	16	12	195	22	0.65	3.5
2	12	28	29	26	21	20	17	12	204	19	3.9	5.5
3	12	30	29	25	22	20	16	9.6	222	17	5.3	5.8
4	13	30	29	25	23	20	16	6.0	214	16	3.7	8.0
5	8.3	29	27	25	23	20	15	3.2	198	13	4.8	8.0
6	7.8	28	27	24	22	19	15	3.9	187	9.9	7.3	5.4
7	7.6	29	28	23	22	19	15	13	170	6.0	3.5	1.7
8	7.8	29	28	21	24	18	15	21	154	5.4	2.8	1.2
9	9.2	30	26	22	24	17	15	34	142	3.7	2.2	2.1
10	11	32	25	22	23	17	15	29	132	3.1	2.8	3.4
11	11	34	24	20	23	17	15	20	131	2.2	2.9	3.1
12	12	36	22	20	22	17	15	23	129	2.1	3.3	5.2
13	11	34	21	21	19	17	16	35	128	1.7	4.0	5.8
14	11	36	22	22	21	17	13	44	115	1.2	6.4	10
15	11	35	23	21	22	17	8.0	44	109	1.4	4.5	9.7
16	11	34	26	21	22	17	13	44	101	2.7	3.8	8.2
17	12	33	25	19	22	17	13	78	95	0.86	2.5	7.2
18	12	32	24	20	22	17	12	93	92	1.00	1.7	6.2
19	11	31	25	22	22	16	7.4	99	89	1.2	2.7	6.8
20	10	31	25	21	21	17	8.0	100	87	0.96	3.2	8.8
21	10	31	24	21	21	16	10	83	103	0.88	2.4	10
22	11	32	24	22	21	16	12	76	95	0.78	1.9	8.0
23	10	33	23	22	21	16	13	62	83	0.80	2.1	6.5
24	9.6	33	22	22	21	16	14	70	70	1.1	3.2	7.0
25	10	32	25	22	21	16	16	94	61	1.2	3.8	4.9
26	11	31	26	23	20	16	13	87	54	1.2	3.6	3.8
27	10	30	28	23	20	15	12	80	44	1.5	1.9	2.7
28	12	31	27	23	20	14	12	85	36	1.5	1.1	2.7
29	13	31	26	22	---	16	12	100	29	1.4	2.5	3.0
30	17	31	26	21	---	15	12	150	25	1.4	3.2	3.8
31	26	---	26	20	---	16	---	176	---	1.0	3.3	---
TOTAL	352.3	944	792	687	605	530	401.4	1786.7	3494	143.18	100.95	168.0
MEAN	11.4	31.5	25.5	22.2	21.6	17.1	13.4	57.6	116	4.62	3.26	5.60
AC-FT	699	1870	1570	1360	1200	1050	796	3540	6930	284	200	333
MAX	26	36	30	26	24	20	17	176	222	22	7.3	10
MIN	7.6	28	21	19	19	14	7.4	3.2	25	0.78	0.65	1.2

CAL YR 1993 TOTAL 12826.68 MEAN 35.1 MAX 289 MIN 0.35 AC-FT 25440  
WTR YR 1994 TOTAL 10004.53 MEAN 27.4 MAX 222 MIN 0.65 AC-FT 19840

MAX DISCH 261 CFS AT 0315 03-JUN-1994 GH 3.83 FT. SHIFT 0.01 FT. MAX GH 3.83 FT. AT 0315 03-JUN-1994



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 285 on the frontage rd. parallel to 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 gabion control. Elevation of gage 7660' from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Dec. 18, 20-25, 1993; Jan. 7, 11, 31; Feb. 6, 13; Mar. 28, 30, 1994 when stage-discharge relation was affected by ice, and Dec. 14-15, 1993; Feb. 1-3; May 6-7, 1994 when record was missing. Record good, except for period of missing record and for periods of ice-effect, which are poor. Station maintained and records developed by L.R. Schultz.

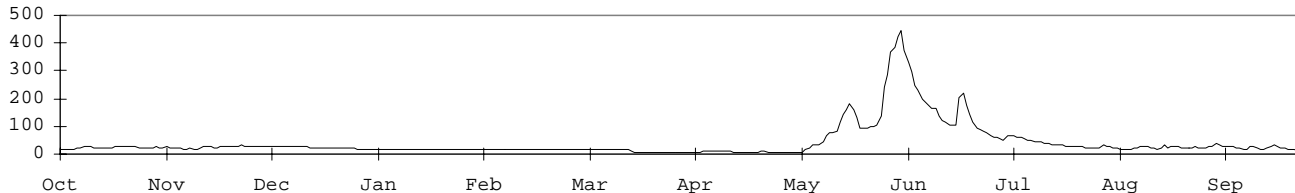
RATING TABLE.--CHCRNACO5 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	25	25	17	17	17	6.8	6.0	369	62	22	23
2	17	24	26	17	17	17	8.1	6.0	382	60	34	27
3	16	22	26	17	17	17	8.1	5.7	421	55	30	30
4	16	23	25	17	17	17	8.1	5.3	447	50	27	39
5	15	24	25	17	17	17	7.7	6.0	375	64	23	31
6	21	19	25	17	17	17	8.1	8.1	329	66	20	28
7	24	18	25	17	18	16	9.0	14	298	64	16	30
8	25	20	25	17	18	15	8.6	23	250	58	15	27
9	25	19	26	17	17	14	8.6	32	231	58	16	25
10	26	18	26	17	17	14	9.0	31	199	55	18	23
11	22	23	26	17	17	14	9.5	33	186	50	20	21
12	23	26	25	17	17	14	11	46	178	50	21	17
13	23	26	24	17	17	14	11	66	166	46	28	16
14	22	28	24	17	17	14	9.5	75	166	46	30	26
15	22	23	24	17	17	14	8.6	75	137	45	27	25
16	22	24	24	17	17	14	7.7	83	121	39	22	22
17	26	25	23	17	18	9.0	7.7	116	113	36	20	18
18	25	25	22	17	18	6.8	5.7	144	104	35	19	19
19	28	27	22	17	17	6.8	4.1	159	104	32	21	20
20	27	26	22	17	17	6.8	3.6	182	104	32	31	27
21	27	26	21	17	17	6.4	3.9	159	203	32	24	31
22	27	28	21	17	17	6.0	3.4	130	221	28	25	26
23	26	31	21	17	17	5.7	6.8	94	174	30	25	22
24	24	28	21	17	17	6.0	8.6	92	141	28	25	20
25	23	27	20	17	17	6.8	8.6	96	116	30	22	17
26	24	25	20	18	17	6.4	6.0	101	96	27	21	16
27	23	25	19	18	17	6.4	3.1	100	87	26	20	16
28	24	25	17	19	17	6.2	4.4	103	80	22	22	13
29	26	25	17	19	---	6.4	6.4	139	76	21	27	12
30	21	25	17	19	---	6.2	6.4	243	68	20	24	15
31	21	---	18	18	---	6.4	---	288	---	21	22	---
TOTAL	709	730	702	536	480	343.3	218.1	2661.1	5942	1288	717	682
MEAN	22.9	24.3	22.6	17.3	17.1	11.1	7.27	85.8	198	41.5	23.1	22.7
AC-FT	1410	1450	1390	1060	952	681	433	5280	11790	2550	1420	1350
MAX	28	31	26	19	18	17	11	288	447	66	34	39
MIN	15	18	17	17	17	5.7	3.1	5.3	68	20	15	12

CAL YR 1993 TOTAL 16936.72 MEAN 46.4 MAX 479 MIN 0.46 AC-FT 33590  
WTR YR 1994 TOTAL 15008.5 MEAN 41.1 MAX 447 MIN 3.1 AC-FT 29770

MAX DISCH 704 CFS AT 0300 04-JUN-1994 GH 5.08 FT. SHIFT -0.64 FT. MAX GH 5.08 FT. AT 0300 04-JUN-1994



## 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 mi<sup>2</sup>.

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

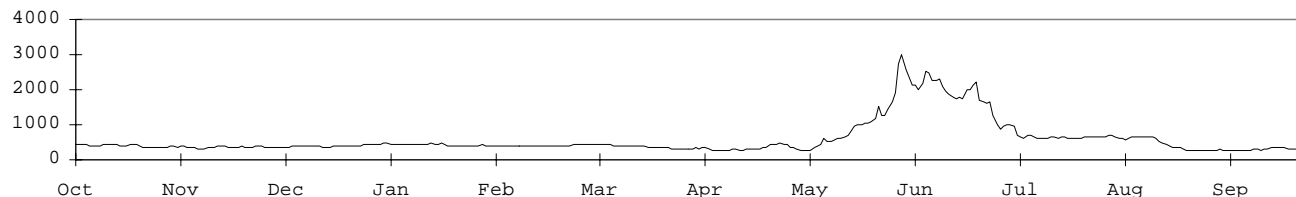
**REMARKS.**--Record good, except the ice-affected Jan. 7, 1994 which is poor. Record is complete and reliable. Station maintained and records developed by L. R. Schultz.

**RATING TABLE.**--ARKSALCO24 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	455	385	359	469	379	433	297	328	2740	857	652	273
2	436	375	354	451	383	439	328	305	3020	937	684	268
3	424	337	351	449	377	426	318	273	2550	1010	679	275
4	419	342	373	452	386	429	328	261	2360	986	640	287
5	393	331	390	453	402	430	343	245	2150	966	619	271
6	394	312	373	444	402	427	283	271	2110	717	595	259
7	405	309	385	430	398	421	251	331	2000	640	580	254
8	409	319	379	428	409	423	249	386	2160	610	620	256
9	421	328	388	432	406	412	262	435	2530	683	650	252
10	436	344	378	435	406	405	279	599	2460	675	664	256
11	433	368	371	425	405	393	270	520	2240	658	663	256
12	428	397	375	428	409	383	271	511	2280	628	652	256
13	442	383	362	448	400	377	293	565	2290	623	644	256
14	392	394	347	460	399	383	303	616	2070	614	673	305
15	394	364	347	451	399	383	277	612	1950	602	650	323
16	404	359	391	447	398	390	273	646	1890	658	596	279
17	425	364	390	468	402	392	299	705	1800	640	540	297
18	430	366	389	438	410	387	312	836	1730	604	488	318
19	430	375	388	413	404	364	301	945	1780	632	445	328
20	408	362	394	408	398	368	295	980	1740	643	385	336
21	365	361	386	408	400	346	319	982	1980	612	368	354
22	355	366	409	405	403	354	338	1050	1990	610	359	361
23	358	404	394	403	396	363	357	1030	2130	619	345	335
24	349	413	405	408	393	351	417	1090	2230	620	295	324
25	340	395	414	408	435	358	454	1160	1710	623	273	314
26	337	333	431	413	437	326	447	1520	1650	633	259	309
27	334	337	448	413	435	321	461	1280	1610	649	243	294
28	345	340	431	407	433	305	431	1250	1660	639	245	287
29	386	367	429	422	---	305	425	1450	1260	642	267	275
30	370	368	424	395	---	291	344	1640	1010	642	272	293
31	365	---	457	381	---	295	---	1900	---	640	271	---
TOTAL	12282	10798	12112	13292	11304	11680	9825	24722	61080	21312	15316	8751
MEAN	396	360	391	429	404	377	328	797	2036	687	494	292
AC-FT	24360	21420	24020	26360	22420	23170	19490	49040	121200	42270	30380	17360
MAX	455	413	457	469	437	439	461	1900	3020	1010	684	361
MIN	334	309	347	381	377	291	249	245	1010	602	243	252
CAL YR 1993 TOTAL		278221	MEAN	762	MAX	3500	MIN	178	AC-FT	551900		
WTR YR 1994 TOTAL		212474	MEAN	582	MAX	3020	MIN	243	AC-FT	421400		

MAX DISCH 3385 CFS AT 0630 02-JUN-1994 GH 3.51 FT. SHIFT -0.10 FT. MAX GH 3.51 FT. AT 0630 02-JUN-1994



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.**--1,485 mi<sup>2</sup>.

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

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 25, 1993; Jan. 13-14, 30-31; Feb. 1-3, 1994 when manometer system malfunctioned. Record good, except that for periods of manometer malfunction, which is poor. Station maintained and records developed by L.R. Schultz.

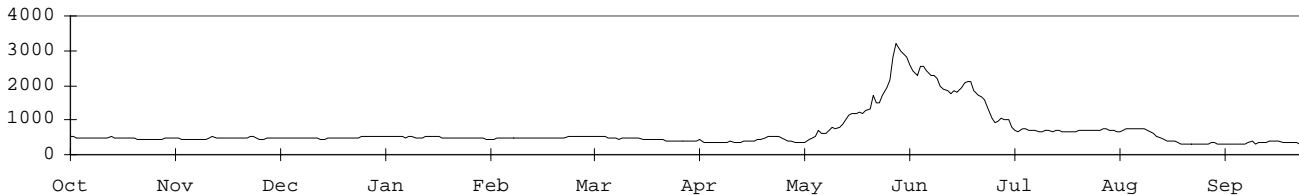
**RATING TABLE.**--ARKWELCO06 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	531	485	482	535	450	518	378	412	2800	907	714	321
2	508	487	478	530	455	525	408	389	3200	971	754	321
3	491	444	475	531	445	514	394	360	3000	1040	757	335
4	488	443	478	532	482	517	399	350	2900	1020	722	345
5	462	452	500	534	486	518	419	335	2800	1000	716	324
6	463	452	492	528	486	520	368	360	2600	783	678	312
7	477	442	495	506	486	512	335	424	2400	704	659	302
8	482	445	488	502	495	512	332	480	2280	672	702	297
9	492	437	493	512	492	504	343	537	2550	736	732	297
10	500	444	487	506	493	491	354	693	2550	731	747	301
11	500	468	482	500	493	475	343	614	2430	718	751	301
12	494	510	481	492	492	460	338	612	2300	689	740	302
13	513	488	474	500	481	462	368	698	2280	682	730	309
14	470	492	455	510	481	468	374	770	2180	679	749	353
15	470	493	454	522	481	468	351	762	1990	667	719	376
16	479	476	483	524	483	478	348	784	1910	718	668	325
17	496	478	490	524	483	477	371	891	1850	706	601	337
18	496	474	486	525	485	472	387	1020	1780	666	535	360
19	497	474	487	503	491	454	378	1140	1830	686	502	369
20	485	468	487	491	482	449	377	1190	1800	700	449	383
21	448	465	479	495	485	427	395	1170	1920	674	414	393
22	437	476	503	490	487	426	421	1220	2070	664	403	400
23	436	514	479	480	475	430	436	1190	2090	673	390	374
24	436	529	496	488	476	428	489	1260	2100	677	347	365
25	433	500	505	487	515	435	529	1320	1840	678	321	360
26	429	441	523	492	521	412	522	1710	1730	686	307	353
27	430	453	526	492	523	399	534	1500	1650	707	293	341
28	440	471	524	485	520	379	508	1490	1600	698	295	333
29	472	492	519	479	---	387	497	1710	1350	700	318	319
30	469	488	512	475	---	380	436	1950	1060	701	328	336
31	468	---	535	465	---	375	---	2170	---	697	318	---
TOTAL	14692	14181	15248	15635	13624	14272	12132	29511	64840	23030	17359	10144
MEAN	474	473	492	504	487	460	404	952	2161	743	560	338
AC-FT	29140	28130	30240	31010	27020	28310	24060	58540	128600	45680	34430	20120
MAX	531	529	535	535	523	525	534	2170	3200	1040	757	400
MIN	429	437	454	465	445	375	332	335	1060	664	293	297

CAL YR 1993 TOTAL 312519 MEAN 856 MAX 3750 MIN 248 AC-FT 619900  
WTR YR 1994 TOTAL 244668 MEAN 670 MAX 3200 MIN 293 AC-FT 485300

MAX DISCH 3195 CFS AT 0630 02-JUN-1994 GH 6.74 FT. SHIFT -0.01 FT. MAX GH 6.74 FT. AT 0630 02-JUN-1994





## 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 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in 48" corrugated pipe shelter. DCP is the primary 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: Oct. 27, 29-31; Nov. 1-3, 5-21, 24-29; Dec. 2-19, 1993 when stage-discharge relationship was affected by ice. Nov. 27-29; Dec. 20-31, 1993; Jan.. 1-Mar. 3, 1994 when the well was frozen. Record good except for periods of no gage-height or ice affected record, which is poor. Station maintained and records developed by Div. II staff.

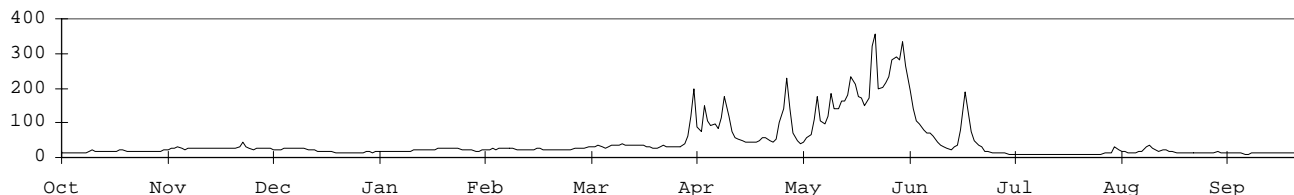
**RATING TABLE.**--GRAWESCO08 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	24	27	16	20	26	41	229	282	13	9.5	15
2	14	26	24	17	22	26	60	139	288	12	15	15
3	14	28	24	18	24	27	117	71	282	13	14	15
4	15	32	24	18	25	32	196	50	334	12	13	16
5	14	25	25	19	24	31	88	41	264	9.8	29	15
6	14	24	25	18	25	32	74	43	193	8.7	23	13
7	13	25	26	18	25	33	149	57	139	7.7	17	13
8	15	25	26	17	25	30	105	68	107	7.6	16	13
9	18	25	26	18	25	28	93	111	95	7.5	15	13
10	23	26	26	18	25	31	97	178	78	7.2	14	12
11	19	27	26	19	24	37	84	107	70	8.1	15	11
12	19	25	24	20	22	35	114	96	69	8.6	17	10
13	18	26	22	20	20	35	174	118	61	8.2	17	10
14	18	27	20	21	21	38	119	186	46	8.1	32	11
15	18	28	19	22	22	37	73	139	36	8.2	34	11
16	17	27	18	22	24	36	58	139	29	7.7	26	11
17	19	26	17	23	26	36	51	164	26	7.7	21	11
18	23	26	16	24	25	34	48	164	24	7.7	18	11
19	20	27	16	25	23	35	46	182	30	8.2	20	11
20	19	28	15	25	22	33	45	234	37	8.2	20	12
21	18	28	15	25	21	31	42	210	77	9.0	18	13
22	18	29	14	25	21	29	44	176	187	7.7	17	12
23	17	45	13	26	20	27	50	171	134	7.2	15	11
24	17	30	14	26	20	25	57	150	73	7.7	13	11
25	17	25	14	25	20	29	59	171	47	8.2	13	11
26	18	24	15	23	22	33	50	321	35	8.6	13	12
27	18	25	15	22	24	30	42	355	29	8.6	12	11
28	18	26	15	21	25	30	54	196	19	8.6	11	11
29	19	26	16	20	---	29	101	203	17	9.0	13	10
30	19	27	16	19	---	29	139	216	14	9.5	15	9.5
31	22	---	15	18	---	30	---	235	---	8.6	13	---
TOTAL	546	812	608	648	642	974	2470	4920	3122	271.9	538.5	360.5
MEAN	17.6	27.1	19.6	20.9	22.9	31.4	82.3	159	104	8.77	17.4	12.0
AC-FT	1080	1610	1210	1290	1270	1930	4900	9760	6190	539	1070	715
MAX	23	45	27	26	26	38	196	355	334	13	34	16
MIN	13	24	13	16	20	25	41	41	14	7.2	9.5	9.5

CAL YR 1993 TOTAL 13200.3 MEAN 36.2 MAX 282 MIN 9.0 AC-FT 26180  
WTR YR 1994 TOTAL 15912.9 MEAN 43.6 MAX 355 MIN 7.2 AC-FT 31560

MAX DISCH 465 CFS AT 0630 27-MAY-1994 GH 2.77 FT. SHIFT -0.02 FT. MAX GH 2.77 FT. AT 0630 27-MAY-1994



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.**--3,117 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in 42-inch metal pipe shelter and well. Datum of gage is 5,342.13 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable except for the following periods: Jan. 31; Feb. 1, 1994 when water in well was frozen. Jan. 30; Feb. 2-15, 24-28, 1994 when stage-discharge relationship was affected by ice. Discharge for periods of ice-affected record was estimated primarily on the basis of surrounding good record. Record good, except for periods of ice effect which is fair. Station maintained and records developed by L.R. Schultz.

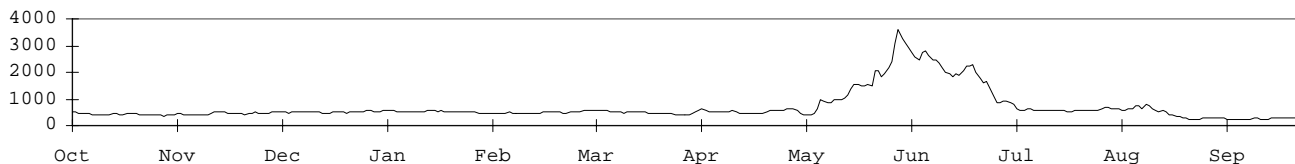
**RATING TABLE.** -- ARKCANCO22 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	504	429	504	561	430	557	407	600	3070	876	650	294
2	500	447	500	558	440	550	481	642	3600	862	701	285
3	458	420	490	554	445	553	506	563	3260	918	678	269
4	447	401	480	553	460	548	552	459	3080	911	648	302
5	431	419	513	541	470	551	629	414	2900	883	628	307
6	431	418	508	540	480	552	549	387	2750	785	649	300
7	411	407	507	501	490	553	495	399	2570	626	586	246
8	405	408	508	508	485	555	530	475	2480	576	594	233
9	414	402	511	525	480	535	490	618	2740	581	628	216
10	422	410	514	521	475	523	520	976	2780	613	648	206
11	423	479	504	510	460	524	517	927	2600	634	748	213
12	426	535	506	505	460	505	486	849	2470	590	754	216
13	439	528	502	525	460	485	520	852	2460	577	657	219
14	442	527	462	544	470	493	569	956	2360	571	784	233
15	416	513	466	544	475	494	523	975	2180	557	719	292
16	426	455	482	545	484	493	456	947	2020	565	645	258
17	437	439	503	533	488	496	436	1020	1940	590	553	239
18	464	439	491	547	505	502	442	1170	1850	562	491	247
19	442	440	493	530	511	491	442	1360	1950	556	547	253
20	442	431	507	497	489	472	440	1520	1880	574	532	289
21	421	427	478	500	493	471	429	1530	2050	568	393	309
22	388	436	510	501	499	439	450	1500	2240	533	376	313
23	393	459	490	497	476	433	483	1500	2230	536	358	310
24	387	514	501	499	480	429	511	1530	2280	561	331	289
25	380	481	513	498	490	455	563	1510	1980	561	289	282
26	391	431	537	519	540	464	586	2080	1750	562	278	277
27	379	449	566	513	540	444	581	2040	1620	576	233	272
28	367	475	546	490	540	411	585	1830	1640	584	208	258
29	413	508	538	476	---	409	581	1930	1450	592	234	253
30	428	522	516	460	---	409	628	2150	1070	592	246	245
31	412	---	536	440	---	398	---	2400	---	596	285	---
TOTAL	13139	13649	15682	16035	13515	15194	15387	36109	69250	19668	16071	7925
MEAN	424	455	506	517	483	490	513	1165	2308	634	518	264
AC-FT	26060	27070	31110	31810	26810	30140	30520	71620	137400	39010	31880	15720
MAX	504	535	566	561	540	557	629	2400	3600	918	784	313
MIN	367	401	462	440	430	398	407	387	1070	533	208	206

CAL YR 1993 TOTAL 321176 MEAN 880 MAX 3920 MIN 229 AC-FT 637100  
WTR YR 1994 TOTAL 251624 MEAN 689 MAX 3600 MIN 206 AC-FT 499100

MAX DISCH 3824 CFS AT 1415 02-JUN-1994 GH 9.20 FT. SHIFT 0.01 FT. MAX GH 9.20 FT. AT 1415 02-JUN-1994



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 mi<sup>2</sup>.

**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 for the entire water year, except Nov. 22-24, Dec. 23-25, 1993, Jan. 30-Feb. 4, 1994 when data was affected by ice. DCP gage-height is the primary source of data for station. Record is good, except for periods of ice effect, which is poor. Station maintained and records developed by Frank P. Kipple.

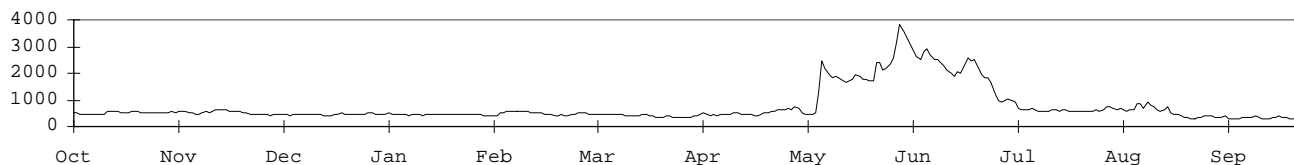
**RATING TABLE.**--ARKPORCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	520	567	455	484	380	496	326	651	3170	987	619	420
2	515	590	452	487	400	473	397	724	3850	930	760	380
3	485	564	441	466	420	476	408	663	3550	1000	721	351
4	465	531	423	471	490	469	433	541	3320	1010	683	360
5	448	520	449	466	539	471	536	472	3080	968	647	343
6	438	459	451	469	550	475	484	434	2870	889	684	375
7	434	452	446	431	553	471	427	455	2650	695	615	314
8	436	500	453	428	573	481	445	531	2540	619	598	309
9	435	547	455	446	569	458	418	1330	2810	604	636	305
10	484	520	456	437	564	450	451	2470	2890	653	649	304
11	556	589	455	431	561	449	469	2180	2710	663	834	323
12	554	648	447	428	560	429	433	1930	2540	624	881	361
13	554	628	439	441	542	411	456	1850	2490	595	712	347
14	553	627	409	450	531	413	531	1900	2420	589	908	355
15	507	644	410	463	537	406	514	1810	2270	584	828	396
16	512	596	417	466	513	414	459	1700	2090	588	731	330
17	526	563	447	466	458	408	432	1640	1990	622	627	291
18	568	562	451	477	434	438	441	1700	1880	603	555	294
19	557	560	487	478	442	431	434	1790	2030	574	615	298
20	554	517	472	446	425	403	422	1950	1990	620	719	334
21	537	486	447	448	424	398	412	1900	2350	615	542	369
22	509	470	447	445	432	368	453	1790	2570	559	474	373
23	496	460	440	430	419	363	490	1790	2460	556	429	360
24	494	450	430	438	418	362	493	1740	2530	578	378	322
25	489	445	445	434	448	383	563	1710	2300	581	349	306
26	499	445	481	461	484	388	598	2400	1960	585	324	298
27	501	429	504	464	496	370	605	2420	1810	583	294	291
28	493	427	505	443	493	339	618	2140	1800	591	300	291
29	540	446	483	433	---	334	625	2170	1660	596	343	290
30	552	472	473	400	---	330	675	2370	1220	606	324	286
31	542	---	476	390	---	322	---	2590	---	595	400	---
TOTAL	15753	15714	14046	13917	13655	12879	14448	49741	73800	20862	18179	9976
MEAN	508	524	453	449	488	415	482	1605	2460	673	586	333
AC-FT	31250	31170	27860	27600	27080	25550	28660	98660	146400	41380	36060	19790
MAX	568	648	505	487	573	496	675	2590	3850	1010	908	420
MIN	434	427	409	390	380	322	326	434	1220	556	294	286

CAL YR 1993 TOTAL 321961 MEAN 882 MAX 4000 MIN 207 AC-FT 638600  
WTR YR 1994 TOTAL 272970 MEAN 748 MAX 3850 MIN 286 AC-FT 541400

MAX DISCH 4278 CFS AT 2030 21-JUN-1994 GH 6.37 FT. SHIFT 0.09 FT. MAX GH 6.48 FT. AT 0200 02-JUN-1994



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.**--4,670 mi<sup>2</sup>.

**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 for entire water year, except that for Nov. 15-16, 1993, when floats were resting on sand. Record is good, except for that period when floats were on sand, which is poor. Station maintained and records developed by Frank P. Kipple.

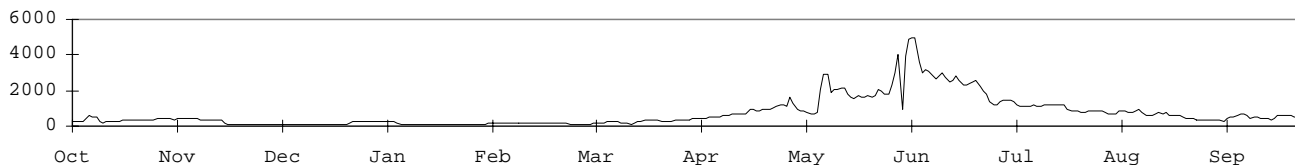
**RATING TABLE.**--ARKPUECO15 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	244	404	93	231	139	104	380	1600	2990	1240	870	307
2	238	415	93	230	140	104	394	1250	4070	1330	764	307
3	238	439	93	231	140	104	403	941	953	1470	650	305
4	238	427	92	231	142	147	403	898	3930	1460	672	306
5	443	411	92	152	142	186	428	820	4870	1460	691	306
6	568	412	92	107	142	186	464	758	5000	1360	825	294
7	540	412	92	107	144	194	494	712	4960	1240	887	451
8	546	357	91	106	143	239	508	689	3580	1150	830	488
9	294	322	90	106	142	290	507	748	3020	1100	811	474
10	205	321	88	106	142	289	534	2070	3150	1090	802	590
11	223	321	88	107	142	254	592	2940	3100	1140	820	655
12	235	345	88	106	144	207	640	2950	2830	1160	922	660
13	235	356	88	105	144	207	642	1910	2700	1150	749	580
14	258	354	88	104	145	147	645	2030	2810	1150	605	452
15	292	175	90	104	145	109	671	2090	3020	1170	605	474
16	304	85	92	104	146	172	657	2170	2750	1210	606	485
17	305	85	94	105	149	222	645	2120	2450	1200	689	412
18	334	86	94	105	167	273	643	1840	2560	1200	756	425
19	351	86	95	105	180	317	913	1630	2800	1180	709	411
20	352	87	96	105	180	334	917	1570	2540	1170	766	349
21	352	88	96	105	181	336	880	1710	2310	1160	635	450
22	352	88	171	105	182	335	861	1640	2290	955	560	590
23	356	89	219	105	182	325	904	1620	2370	870	637	619
24	356	89	219	106	164	294	930	1690	2520	851	559	636
25	382	90	219	107	119	281	978	1610	2530	899	505	609
26	408	90	222	107	104	281	1060	1680	2250	758	431	568
27	428	91	224	107	103	281	1140	2020	1960	804	403	531
28	439	91	225	107	104	311	1220	1930	1820	842	403	516
29	405	92	228	107	---	349	1190	1780	1350	868	379	495
30	386	92	230	108	---	368	1110	1820	1240	880	352	483
31	385	---	232	126	---	383	---	2290	---	879	323	---
TOTAL	10692	6800	4114	3847	4097	7629	21753	51526	84723	34396	20216	14228
MEAN	345	227	133	124	146	246	725	1662	2824	1110	652	474
AC-FT	21210	13490	8160	7630	8130	15130	43150	102200	168000	68220	40100	28220
MAX	568	439	232	231	182	383	1220	2950	5000	1470	922	660
MIN	205	85	88	104	103	104	380	689	953	758	323	294

CAL YR 1993 TOTAL 281361 MEAN 771 MAX 4180 MIN 85 AC-FT 558100  
WTR YR 1994 TOTAL 264021 MEAN 723 MAX 5000 MIN 85 AC-FT 523700

MAX DISCH 5116 CFS AT 1530 05-JUN-1994 GH 6.74 FT. SHIFT 0.02 FT. MAX GH 6.74 FT. AT 1530 05-JUN-1994



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 mi<sup>2</sup>.

**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: Nov. 25-26; Dec. 23-25, 1993; Jan. 27-Feb. 3, 23-24, 1994 when stage discharge relation was affected by ice. Base record for gage heights is DCP data with graphic chart as back-up. Discharge for periods of ice effect was estimated, based on weather records, flow at nearby Arkansas River gaging station, and discharge measurements. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals, diversions for irrigation. Flow partly regulated by Pueblo Reservoir (station 07099350) since Jan. 9, 1974. Record fair, except for periods of ice effect, which are poor. Station maintained and records developed by Frank P. Kipple.

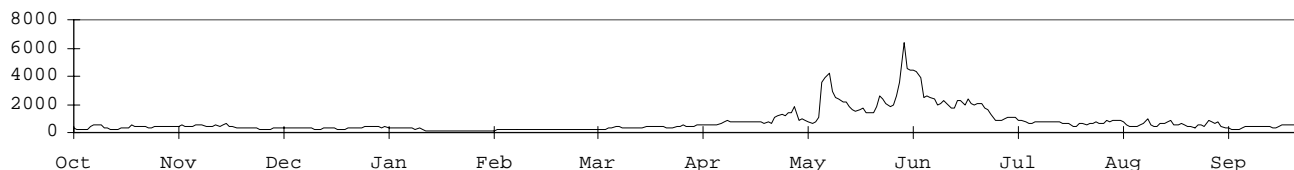
**RATING TABLE.**--ARKNEPCO10 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	275	476	299	379	100	213	445	1400	2570	846	600	900
2	269	500	300	375	160	213	474	1840	3550	839	908	788
3	262	484	298	374	210	189	558	839	6350	1010	777	643
4	251	478	275	362	214	187	533	988	4590	1100	833	754
5	239	482	290	373	208	209	517	871	4440	1090	850	443
6	424	507	308	352	214	229	543	724	4440	1070	892	362
7	504	526	317	308	221	239	521	669	4360	908	757	324
8	509	523	307	301	233	302	533	755	3900	858	526	268
9	523	469	301	277	240	329	565	1110	2510	750	468	266
10	326	448	282	266	223	382	610	3580	2610	697	414	256
11	274	472	251	286	205	383	775	3860	2530	669	439	370
12	242	502	252	254	202	312	831	4170	2430	732	492	398
13	228	476	251	127	188	292	810	2880	1990	742	596	402
14	261	549	281	111	173	322	796	2440	2070	761	919	450
15	297	628	295	104	182	295	757	2330	2250	797	494	426
16	358	464	300	105	205	280	793	2120	2020	779	380	420
17	371	379	278	94	221	312	755	2180	1690	769	429	416
18	496	357	250	86	234	353	776	1890	1770	734	641	384
19	460	338	243	116	243	383	770	1610	2310	713	682	419
20	433	319	260	119	239	399	747	1500	2270	657	767	378
21	402	320	273	112	226	426	740	1590	1960	685	835	326
22	397	332	292	102	222	437	721	1710	2360	652	551	442
23	365	362	320	91	220	416	679	1430	2100	448	579	555
24	365	335	340	74	218	387	707	1430	1980	408	625	579
25	388	270	360	75	208	377	690	1450	2070	655	589	563
26	413	260	406	76	180	366	1060	1880	2080	605	486	524
27	423	251	431	90	165	369	1200	2550	1730	576	402	493
28	403	270	448	94	185	403	1260	2380	1580	608	377	458
29	426	274	416	93	---	449	1240	2050	1340	614	518	451
30	453	285	387	85	---	500	1400	1870	905	758	568	423
31	476	---	370	75	---	474	---	1910	---	627	441	---
TOTAL	11513	12336	9681	5736	5739	10427	22806	58006	78755	23157	18835	13881
MEAN	371	411	312	185	205	336	760	1871	2625	747	608	463
AC-FT	22840	24470	19200	11380	11380	20680	45240	115100	156200	45930	37360	27530
MAX	523	628	448	379	243	500	1400	4170	6350	1100	919	900
MIN	228	251	243	74	100	187	445	669	905	408	377	256

CAL YR 1993 TOTAL 267239 MEAN 732 MAX 3570 MIN 160 AC-FT 530100  
WTR YR 1994 TOTAL 270872 MEAN 742 MAX 6350 MIN 74 AC-FT 537300

MAX DISCH 7753 CFS AT 1715 03-JUN-1994 GH 5.11 FT. SHIFT 1.04 FT. MAX GH 5.11 FT. AT 1715 03-JUN-1994



ARKANSAS RIVER BASIN

07119500 APISHAPA RIVER NEAR FOWLER, CO

**LOCATION.**--Lat 38°05'28", long 103°58'52" in SE¼NW¼ sec. 35, T.22 S., R.59 W., Otero County, Hydrologic Unit 11020007, near right bank on downstream side of county highway bridge, 3.5 mi. southeast of Fowler, and 5.4 mi. upstream from mouth.

**DRAINAGE AREA.**--1,125 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry activated by manometer. Digital punch operated intermittently during first half of water year. Station was operated part of the year by the U.S.G.S., part of the year by the Colorado Division of Water Resources, and was not in operation for a short period.

**REMARKS.**--Record spotty and questionable much of year, in part because orifice line was often covered by mud. New orifice line was installed, but record continued poor. Orifice line partially plugged by loose tape in line some of year. Record is poor. Record developed by Frank Kipple.

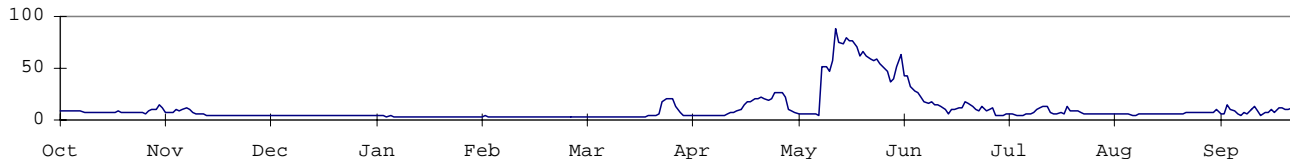
**RATING TABLE.**--APIFOWCO18 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	8.0	4.0	3.8	3.3	2.7	7.0	26	47	11	6.3	7.3
2	9.1	6.7	4.0	3.8	3.5	2.7	4.5	22	37	12	6.5	7.7
3	8.7	7.3	4.0	3.7	3.7	2.7	4.2	10	39	4.8	6.1	8.0
4	8.7	9.8	3.9	3.7	3.5	2.7	4.0	8.3	52	4.9	6.4	8.0
5	8.4	9.5	4.0	3.6	3.5	2.7	4.0	6.8	63	4.8	6.1	8.0
6	8.4	11	4.0	3.7	3.3	2.7	4.1	6.4	43	5.2	5.9	10
7	8.4	12	4.1	3.6	3.1	2.7	4.2	5.8	43	5.7	5.5	6.4
8	7.3	11	4.0	3.5	3.1	2.5	4.2	5.8	33	5.9	5.5	6.2
9	7.0	8.0	3.9	3.5	2.9	2.5	4.2	5.8	28	5.1	6.1	15
10	7.7	5.5	4.0	3.6	2.9	2.5	3.7	5.8	27	4.6	6.0	10
11	7.7	5.4	4.0	3.5	2.5	2.4	3.7	5.4	22	4.9	6.0	8.1
12	7.7	5.2	3.9	3.5	2.3	2.4	3.9	5.0	17	6.4	5.1	5.6
13	7.7	5.0	3.8	3.5	2.3	2.3	4.2	5.2	16	5.3	4.9	5.1
14	7.7	4.7	3.8	3.4	2.3	2.3	5.0	5.2	17	7.2	5.2	7.4
15	7.7	4.4	3.8	3.4	2.3	2.3	5.6	4.7	15	9.7	5.2	5.5
16	7.3	4.4	3.8	3.3	2.5	2.3	6.8	5.8	15	12	5.2	11
17	7.7	4.3	3.9	3.3	2.5	2.3	8.0	8.8	13	13	5.2	13
18	8.4	4.3	3.8	3.3	2.5	2.4	9.0	7.5	9.7	13	5.5	8.7
19	8.0	4.2	3.8	3.2	2.5	2.4	10	7.4	6.3	7.9	5.5	5.0
20	8.0	4.2	3.8	3.1	2.5	2.7	14	7.9	10	6.1	5.5	7.8
21	6.7	4.2	3.8	3.1	2.5	3.1	17	7.6	11	6.1	5.5	7.6
22	7.0	4.3	3.9	3.1	2.5	3.4	18	7.6	12	7.4	5.8	9.9
23	7.3	4.2	4.1	3.1	2.7	4.0	20	7.0	12	6.2	5.8	7.8
24	6.7	4.3	3.9	3.1	2.7	4.2	21	6.2	18	13	6.1	12
25	6.7	4.3	3.9	3.1	2.5	4.6	22	6.6	16	8.2	6.4	12
26	6.4	4.3	3.8	3.3	2.5	6.0	20	6.2	13	9.0	6.4	10
27	8.4	4.3	3.9	3.1	2.6	1.7	19	5.9	11	9.2	6.4	10
28	9.8	4.0	3.8	3.1	2.6	2.0	20	5.7	9.2	7.8	6.7	12
29	11	4.1	3.8	3.1	---	2.1	26	5.9	13	5.6	7.0	10
30	15	4.1	3.8	3.1	---	2.0	26	5.5	9.3	5.9	7.3	12
31	12	---	3.8	3.1	---	1.3	---	5.0	---	6.1	7.3	---
TOTAL	258.1	177.0	120.8	104.3	77.6	166.5	323.3	1330.1	677.5	234.0	184.4	267.1
MEAN	8.33	5.90	3.90	3.36	2.77	5.37	10.8	42.9	22.6	7.55	5.95	8.90
AC-FT	512	351	240	207	154	330	641	2640	1340	464	366	530
MAX	15	12	4.1	3.8	3.7	2.1	26	88	63	13	7.3	15
MIN	6.4	4.0	3.8	3.1	2.3	2.3	3.7	5.0	6.3	4.6	4.9	5.0

CAL YR 1993 TOTAL 555.9 MEAN 1.52 MAX 15 MIN 3.8 AC-FT 1100  
WTR YR 1994 TOTAL 3920.7 MEAN 10.7 MAX 88 MIN 2.3 AC-FT 7780

MAX DISCH 106 CFS AT 1115 17-MAY-1994 GH 3.67 FT. SHIFT -0.38 FT. MAX GH 3.67 FT. AT 1115 17-MAY-1994



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.**--10,901 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of river gage is 4,245.92 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--All shaft encoder and recorder records were adjusted to outside staff gage readings. Record is complete and reliable except for the following periods: Oct. 10-14, 1993 when orifice line was broken; Oct. 15-17, 19-21, 23, 1993; Jul. 24, 27, 1994 when orifice end was buried in sand. Record fair, except that for periods of missing data, which is poor. Station maintained and records developed by Frank P. Kipple.

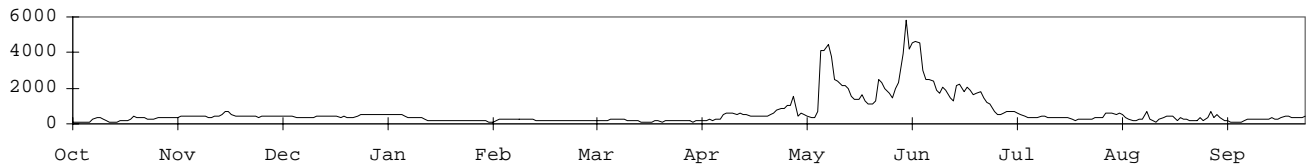
**RATING TABLE.**--ARKCATCO05 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	373	401	505	106	137	138	995	1940	512	314	340
2	63	398	411	487	124	142	126	1540	2340	494	580	643
3	61	415	419	477	191	155	167	470	3930	621	585	367
4	57	420	411	501	260	145	148	611	5810	718	570	550
5	47	413	389	491	237	134	159	516	4240	698	509	327
6	82	411	377	486	252	166	202	416	4530	688	602	185
7	292	416	377	405	247	179	220	322	4660	613	528	132
8	364	427	371	371	236	202	195	331	4550	493	339	92
9	377	430	374	354	236	244	241	679	2980	438	235	62
10	242	382	370	346	260	272	293	4080	2460	360	207	60
11	147	385	380	334	256	298	477	4100	2480	320	189	94
12	98	406	393	323	245	292	639	4490	2390	339	220	183
13	78	429	399	235	227	221	614	3780	1900	381	269	218
14	94	527	399	172	223	207	632	2510	1730	393	686	250
15	138	700	400	161	201	202	556	2360	2090	410	234	288
16	167	668	406	154	193	169	568	2130	1870	379	172	273
17	211	476	403	147	182	146	550	2180	1450	348	109	291
18	276	439	394	131	176	102	500	1950	1310	335	241	276
19	388	427	382	140	181	107	456	1580	2180	330	356	236
20	330	423	388	155	187	124	425	1400	2190	316	423	328
21	318	420	375	158	184	128	444	1370	1810	345	412	276
22	323	429	373	152	184	133	450	1590	2060	340	431	216
23	286	441	364	155	202	141	443	1280	1890	272	208	362
24	290	424	421	143	214	115	455	1120	1660	164	317	392
25	290	384	510	133	207	138	482	1120	1700	246	277	401
26	314	394	519	133	185	141	580	1280	1840	224	240	384
27	342	413	514	136	155	138	796	2510	1450	224	167	344
28	326	407	514	159	137	151	848	2290	1200	237	141	315
29	352	393	518	161	---	151	846	1950	1140	264	178	345
30	361	399	516	154	---	185	991	1690	702	352	359	386
31	370	---	520	129	---	185	---	1500	---	377	206	---
TOTAL	7152	13069	12988	7988	5688	5250	13641	54140	72482	12231	10304	8616
MEAN	231	436	419	258	203	169	455	1746	2416	395	332	287
AC-FT	14190	25920	25760	15840	11280	10410	27060	107400	143800	24260	20440	17090
MAX	388	700	520	505	260	298	991	4490	5810	718	686	643
MIN	47	373	364	129	106	102	126	322	702	164	109	60

CAL YR 1993 TOTAL 211406 MEAN 579 MAX 3350 MIN 47 AC-FT 419300  
WTR YR 1994 TOTAL 223549 MEAN 612 MAX 5810 MIN 47 AC-FT 443400

MAX DISCH 8735 CFS AT 0530 04-JUN-1994 GH 8.02 FT. SHIFT -0.82 FT. MAX GH 8.02 FT. AT 0530 04-JUN-1994



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 15' Parshall flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable the entire year. DCP record was used for record computation. This record was compared to and augmented by strip-chart record of water commissioner at the same site. Record fair, except that for periods of missing record, which is poor. Station maintained and records developed by Don Taylor and Frank P. Kipple.

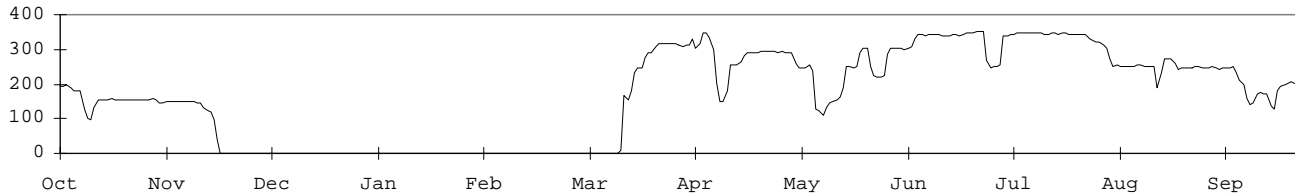
RATING TABLE.--CATCANCO USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	148	0.0	0.0	0.0	0.0	309	291	302	251	320	248
2	195	148	0.0	0.0	0.0	0.0	313	290	304	249	314	248
3	198	149	0.0	0.0	0.0	0.0	312	290	304	257	304	250
4	190	148	0.0	0.0	0.0	0.0	330	261	304	338	273	246
5	180	149	0.0	0.0	0.0	0.0	305	248	301	340	252	242
6	182	148	0.0	0.0	0.0	0.0	315	248	302	342	254	246
7	181	148	0.0	0.0	0.0	0.0	347	247	308	341	252	247
8	127	148	0.0	0.0	0.0	0.0	346	253	329	347	249	248
9	99	148	0.0	0.0	0.0	0.0	335	238	341	347	249	250
10	98	145	0.0	0.0	0.0	0.0	297	127	344	346	251	234
11	133	143	0.0	0.0	0.0	0.0	203	123	340	347	252	209
12	152	131	0.0	0.0	0.0	0.0	150	112	344	349	253	198
13	152	122	0.0	0.0	0.0	0.0	149	133	341	349	253	157
14	155	118	0.0	0.0	0.0	8.3	181	147	345	348	250	140
15	156	96	0.0	0.0	0.0	165	257	148	345	346	251	144
16	157	39	0.0	0.0	0.0	155	257	152	340	345	250	172
17	156	0.0	0.0	0.0	0.0	179	257	161	338	345	250	174
18	156	0.0	0.0	0.0	0.0	231	262	190	339	346	190	173
19	156	0.0	0.0	0.0	0.0	247	283	250	345	347	234	170
20	155	0.0	0.0	0.0	0.0	247	292	250	342	344	274	137
21	155	0.0	0.0	0.0	0.0	276	292	248	339	348	273	127
22	155	0.0	0.0	0.0	0.0	288	291	251	341	346	271	180
23	155	0.0	0.0	0.0	0.0	288	291	290	346	343	260	194
24	155	0.0	0.0	0.0	0.0	306	293	305	346	342	243	199
25	155	0.0	0.0	0.0	0.0	317	293	305	348	344	246	204
26	155	0.0	0.0	0.0	0.0	316	293	251	351	343	248	206
27	156	0.0	0.0	0.0	0.0	316	293	223	350	343	247	204
28	157	0.0	0.0	0.0	0.0	317	293	221	352	344	248	201
29	152	0.0	0.0	0.0	---	316	292	221	267	330	249	159
30	147	0.0	0.0	0.0	---	316	293	226	248	324	249	146
31	147	---	0.0	0.0	---	311	---	287	---	319	245	---
TOTAL	4862	2128	0.0	0.0	0.0	4599.3	8424	6987	9846	10350	7954	5953
MEAN	157	70.9	0.0	0.0	0.0	148	281	225	328	334	257	198
AC-FT	9640	4220	0.0	0.0	0.0	9120	16710	13860	19530	20530	15780	11810
MAX	198	149	0.0	0.0	0.0	317	347	305	352	349	320	250
MIN	98	0.0	0.0	0.0	0.0	0.0	149	112	248	249	190	127

CAL YR 1993 TOTAL 56215 MEAN 154 MAX 346 MIN 0.00 AC-FT 111500  
WTR YR 1994 TOTAL 61103.3 MEAN 167 MAX 352 MIN 0.00 AC-FT 121200

MAX DISCH 367 CFS AT 2200 10-JUL-1994 GH 3.18 FT. SHIFT 0.00 FT. MAX GH 3.18 FT. AT 2200 10-JUL-1994





ARKANSAS RIVER BASIN

07119700 ARKANSAS RIVER BELOW CATLIN DAM, NEAR FOWLER, CO (COMBINED)

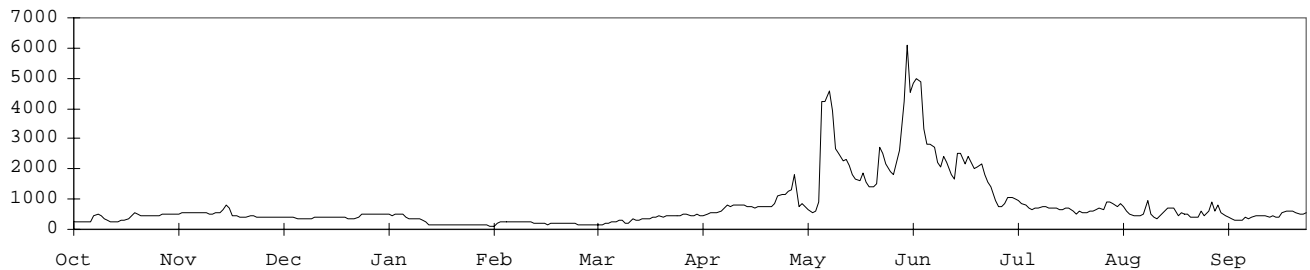
LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County.

DRAINAGE AREA.--10,901 mi<sup>2</sup>.

REMARKS.--Record fair, except that for periods of missing record, which is poor. Record is a compilation of Catlin Dam (ARKCATCO) and Catlin Canal (CATCANCO) records developed by Frank P. Kipple.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263	521	401	505	106	137	447	1290	2240	763	634	588
2	258	546	411	487	124	142	439	1830	2640	743	894	891
3	259	564	419	477	191	155	479	760	4230	878	889	617
4	247	568	411	501	260	145	478	872	6110	1060	843	796
5	227	562	389	491	237	134	464	764	4540	1040	761	569
6	264	559	377	486	252	166	517	664	4830	1030	856	431
7	473	564	377	405	247	179	567	569	4970	954	780	379
8	491	575	371	371	236	202	541	584	4880	840	588	340
9	476	578	374	354	236	244	576	917	3320	785	484	312
10	340	527	370	346	260	272	590	4210	2800	706	458	294
11	280	528	380	334	256	298	680	4220	2820	667	441	303
12	250	537	393	323	245	292	789	4600	2730	688	473	381
13	230	551	399	235	227	221	763	3910	2240	730	522	375
14	249	645	399	172	223	215	813	2660	2080	741	936	390
15	294	796	400	161	201	367	813	2510	2440	756	485	432
16	324	707	406	154	193	324	825	2280	2210	724	422	445
17	367	476	403	147	182	325	807	2340	1790	693	359	465
18	432	439	394	131	176	333	762	2140	1650	681	431	449
19	544	427	382	140	181	354	739	1830	2520	677	590	406
20	485	423	388	155	187	371	717	1650	2530	660	697	465
21	473	420	375	158	184	404	736	1620	2150	693	685	403
22	478	429	373	152	184	421	741	1840	2400	686	702	396
23	441	441	364	155	202	429	734	1570	2240	615	468	556
24	445	424	421	143	214	421	748	1420	2010	506	560	591
25	445	384	510	133	207	455	775	1420	2050	590	523	605
26	469	394	519	133	185	457	873	1530	2190	567	488	590
27	498	413	514	136	155	454	1090	2730	1800	567	414	548
28	483	407	514	159	137	468	1140	2510	1550	581	389	516
29	504	393	518	161	---	467	1140	2170	1410	594	427	504
30	508	399	516	154	---	501	1280	1920	950	676	608	532
31	517	---	520	129	---	496	---	1790	---	696	451	---
TOTAL	12014	15197	12988	7988	5688	9849	22063	61120	82320	22587	18258	14569
MEAN	388	507	419	258	203	318	735	1972	2744	729	589	486
AC-FT	23830	30140	25760	15840	11280	19540	43760	121200	163300	44800	36210	28900
MAX	544	796	520	505	260	501	1280	4600	6110	1060	936	891
MIN	227	384	364	129	106	134	439	569	950	506	359	294
CAL YR 1993 TOTAL		267639	MEAN	733	MAX	3650	MIN	150	AC-FT	530900		
WTR YR 1994 TOTAL		284641	MEAN	780	MAX	6110	MIN	106	AC-FT	564600		



ARKANSAS RIVER BASIN

07123000 ARKANSAS RIVER AT LA JUNTA, CO

**LOCATION.**--Lat 37°59'26", long 103°31'55", in SE¼NE¼ sec. 2, T.24 S., R.55 W., Otero County, Hydrologic Unit 11020005, on right bank at upstream side of bridge on State Highway 109 in La Junta, 450 ft upstream from King Arroyo.

**DRAINAGE AREA.**--12,210 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry activated by manometer. Wire Weight gage added to bridge. Datum of gage is 4,039.60 ft above National Geodetic Vertical Datum of 1929. See WSP 1711 or 1731 for history of changes prior to June 13, 1940. June 13, 1940, to June 6, 1967, water-stage recorder at site 300 ft upstream at present datum.

**REMARKS.**--Record is complete and reliable except for part of Jun. 5, 1994 when manometer malfunctioned. Discharge for Jun. 5, 1994 was estimated based on partial record of stage, normal flood recession and comparison to other nearby stream flow stations. All gage heights are referenced to an outside wire-weight gage. The DCP is the primary source of data for records computation. Record fair to good, except for day of manometer malfunction, which is poor. Station maintained and records developed by William F. Howland.

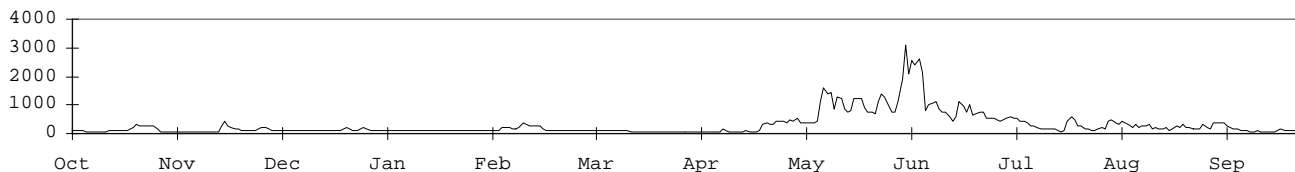
**RATING TABLE.**--ARKLAJCO37 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	41	117	103	81	99	35	458	766	465	200	193
2	85	39	113	103	82	96	44	453	1130	427	146	171
3	90	52	111	100	86	96	48	518	1920	468	438	384
4	89	52	110	105	132	96	55	372	3100	542	454	400
5	67	51	110	104	198	97	55	378	2060	586	393	394
6	53	53	106	100	225	96	50	383	2540	560	305	347
7	52	44	104	101	202	98	44	384	2410	528	411	258
8	38	38	105	102	185	117	52	396	2600	451	359	197
9	30	38	106	105	166	99	59	419	2130	451	314	169
10	42	56	103	103	226	92	62	1140	807	372	235	170
11	29	61	105	97	358	105	150	1600	1030	274	313	130
12	95	60	107	98	311	94	86	1380	1070	244	187	109
13	116	44	100	103	281	93	73	1420	1140	238	241	132
14	112	285	99	104	281	94	54	846	861	143	271	78
15	101	440	101	101	278	55	60	1290	768	155	330	72
16	107	243	100	99	279	44	66	1250	759	161	168	81
17	119	228	96	90	176	48	74	827	564	159	190	66
18	162	166	98	84	112	38	88	757	402	142	143	63
19	230	137	99	93	99	39	78	800	602	108	141	59
20	305	127	161	96	95	33	78	1230	1120	78	190	57
21	270	126	188	89	107	35	76	1210	956	106	95	61
22	279	132	162	93	124	36	84	1210	770	446	156	125
23	274	133	116	97	126	38	337	918	1010	601	285	144
24	256	122	105	99	123	47	356	734	662	469	228	97
25	252	140	143	97	92	47	335	764	711	247	294	93
26	149	213	212	94	113	51	327	701	741	260	212	110
27	54	235	156	96	108	42	403	1110	731	163	222	90
28	50	180	112	96	102	47	428	1380	526	149	169	62
29	45	127	105	94	---	40	403	1290	550	131	151	56
30	41	111	105	91	---	36	376	973	557	124	173	48
31	41	---	106	83	---	36	---	754	---	173	323	---
TOTAL	3734	3774	3661	3020	4748	2084	4436	27345	34993	9421	7737	4416
MEAN	120	126	118	97.4	170	67.2	148	882	1166	304	250	147
AC-FT	7410	7490	7260	5990	9420	4130	8800	54240	69410	18690	15350	8760
MAX	305	440	212	105	358	117	428	1600	3100	601	454	400
MIN	29	38	96	83	81	33	35	372	402	78	95	48

CAL YR 1993 TOTAL 97986 MEAN 268 MAX 1570 MIN 20 AC-FT 194400  
WTR YR 1994 TOTAL 109369 MEAN 300 MAX 3100 MIN 29 AC-FT 216900

MAX DISCH 4539 CFS AT 1840 04-JUN-1994 GH 10.90 FT. SHIFT -0.16 FT. MAX GH 10.90 FT. AT 1840 04-JUN-1994



ARKANSAS RIVER BASIN

07124500 PURGATORIE 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.

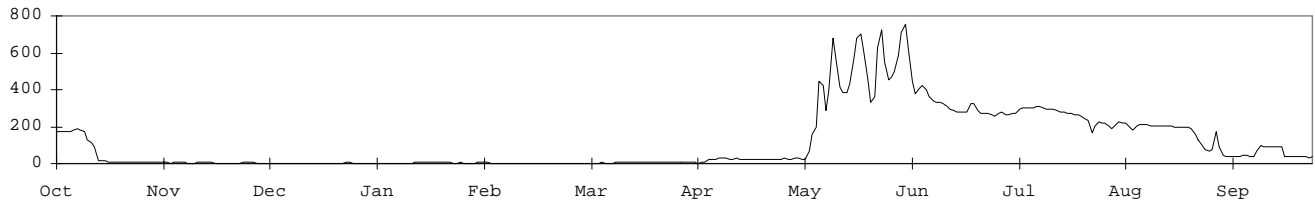
REMARKS.--Record complete and reliable except for the following periods: Nov. 14, 1993 when stage was affected by ice; Feb. 25; Mar. 22-26, 28, 1994 when construction affected stage; Mar. 14-15, 1994 when intakes were plugged; Apr. 3, 5, 12, 1994 when records were missing. Record fair, except those for periods of missing or poor gage height record, which is poor. Station maintained and records developed by Frank Kipple.

RATING TABLE.--PURTRICO21 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	176	4.1	3.1	2.8	4.9	2.5	4.9	26	501	273	218	79
2	176	3.9	3.1	2.8	4.3	1.8	4.5	25	587	277	201	173
3	176	3.1	3.2	3.2	3.9	1.4	3.8	27	706	263	189	93
4	176	3.9	2.7	3.4	3.3	1.9	3.8	27	756	264	211	49
5	176	4.2	3.1	3.0	3.2	1.5	3.6	25	626	268	225	36
6	181	4.0	2.8	3.4	2.9	1.8	3.9	23	445	271	222	39
7	189	3.8	3.1	3.2	2.6	3.3	4.2	67	374	293	221	39
8	181	3.6	2.8	3.2	2.6	5.1	26	159	405	301	193	38
9	173	3.5	2.6	3.4	2.5	3.1	26	196	421	302	181	41
10	130	3.6	2.5	3.3	2.5	3.2	25	448	397	303	202	42
11	113	3.9	2.5	3.7	2.5	3.5	30	424	365	305	210	42
12	90	4.2	2.8	3.7	2.6	4.9	30	289	342	306	208	35
13	14	4.5	2.9	3.9	2.4	5.1	29	389	334	307	208	36
14	13	4.3	2.0	3.9	2.4	5.0	22	683	331	300	207	69
15	12	3.8	2.5	3.9	2.4	5.0	21	575	328	298	206	96
16	10	3.6	2.5	3.8	2.4	5.1	29	415	312	294	205	94
17	10	3.3	2.4	4.0	1.9	4.3	25	383	293	294	203	91
18	9.7	3.2	2.6	4.3	2.0	5.7	25	387	287	284	205	89
19	7.6	3.7	2.8	4.1	2.0	5.1	24	433	283	279	204	89
20	5.4	3.3	2.5	3.9	2.2	4.2	24	566	281	276	203	89
21	5.0	3.1	2.8	4.1	2.1	4.6	24	677	282	273	200	89
22	4.6	3.4	3.3	3.9	2.0	4.5	24	701	283	268	197	37
23	4.2	3.4	3.7	3.9	2.2	4.4	25	612	321	265	197	35
24	4.2	3.9	4.0	3.4	2.3	4.4	25	462	325	263	199	34
25	3.9	4.0	4.2	3.4	2.2	4.3	24	329	289	260	198	34
26	4.6	4.1	3.3	4.1	2.2	4.4	23	362	272	244	188	34
27	4.1	4.3	2.7	3.5	1.9	4.5	25	623	270	233	155	34
28	4.4	3.5	2.8	3.3	2.3	4.6	25	728	268	169	129	34
29	7.1	3.2	2.8	3.0	---	5.2	26	549	261	206	98	33
30	5.1	3.2	2.7	3.7	---	5.0	28	454	260	225	72	35
31	4.4	---	2.6	3.8	---	5.1	---	467	---	221	69	---
TOTAL	2070.3	111.6	89.4	111.0	72.7	124.5	613.7	11531	11205	8385	5824	1758
MEAN	66.8	3.72	2.88	3.58	2.60	4.02	20.5	372	374	270	188	58.6
AC-FT	4110	221	177	220	144	247	1220	22870	22230	16630	11550	3490
MAX	189	4.5	4.2	4.3	4.9	5.7	30	728	756	307	225	173
MIN	3.9	3.1	2.0	2.8	1.9	1.4	3.6	23	260	169	69	33
CAL YR 1993 TOTAL		28210.6	MEAN	77.3	MAX	544	MIN	1.2	AC-FT	55960		
WTR YR 1994 TOTAL		41896.2	MEAN	115	MAX	756	MIN	1.4	AC-FT	83100		

MAX DISCH 883 CFS AT 1515 02-SEP-1994 GH 3.42 FT. SHIFT 0.09 FT. MAX GH 3.42 FT. AT 1515 02-SEP-1994



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 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry.

**REMARKS.**--The record is complete, but differences are apparent between chart and DCP record. DCP record is more reliable and used for year. Records for periods of flow between 1000 and 2000 cfs considered fair, and poor above 2000 cfs. Rating is not well defined above 1000 cfs. Record fair. Station maintained and records developed by W. F. Howland.

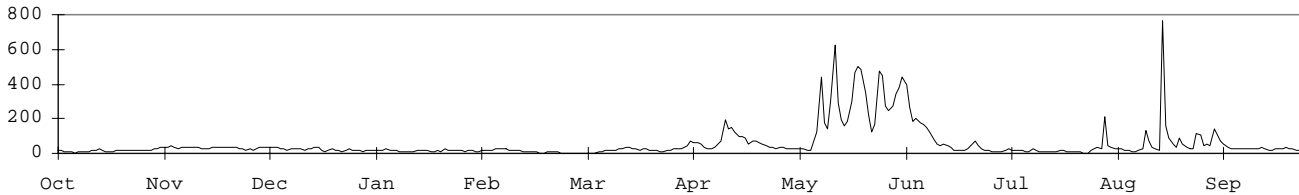
**RATING TABLE.**--PURNINCO16 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	36	35	16	9.4	0.0	28	32	247	12	31	47
2	17	34	35	21	15	0.0	33	28	271	9.2	26	56
3	9.5	40	31	15	17	0.0	46	29	343	7.3	215	42
4	6.4	38	33	18	16	0.0	67	28	375	8.4	40	144
5	4.6	27	23	22	18	0.0	59	27	439	17	33	104
6	3.0	33	22	18	23	0.0	59	27	396	24	30	73
7	8.6	36	21	18	23	0.02	50	22	263	18	22	53
8	11	37	24	14	22	8.3	36	20	183	19	22	36
9	9.8	37	23	12	26	12	28	16	205	18	20	30
10	13	37	22	13	21	15	22	70	178	17	16	26
11	17	37	22	13	20	17	35	122	164	13	13	26
12	18	30	21	8.1	18	18	52	438	146	11	13	26
13	22	26	26	8.1	15	21	73	180	124	22	18	27
14	16	29	30	17	13	25	190	144	80	16	23	28
15	11	32	35	15	13	25	142	295	50	13	128	27
16	10	31	33	16	12	36	146	621	42	8.8	67	23
17	12	32	19	14	12	36	119	290	49	5.4	36	28
18	17	32	11	7.5	9.2	26	99	194	48	7.8	25	31
19	17	33	16	7.3	3.8	23	96	155	37	12	21	22
20	19	31	25	14	3.0	19	87	186	21	9.2	764	19
21	20	32	19	8.2	6.1	24	49	296	21	18	160	20
22	18	32	19	22	6.7	27	68	468	19	14	84	22
23	17	28	12	18	9.3	21	71	501	20	12	51	26
24	16	24	21	15	8.2	17	62	487	25	13	37	30
25	16	17	23	16	1.2	15	53	356	43	11	91	37
26	19	24	19	17	0.0	12	48	220	68	8.2	55	27
27	20	20	16	16	0.0	10	36	119	42	7.6	32	22
28	20	25	18	13	0.0	16	32	169	22	1.8	27	21
29	24	34	13	15	---	20	30	478	19	0.0	27	19
30	25	36	16	14	---	24	32	449	16	14	113	18
31	32	---	18	9.0	---	27	---	274	---	28	109	---
TOTAL	488.9	940	701	450.2	340.9	494.32	1948	6741	3956	395.7	2349	1110
MEAN	15.8	31.3	22.6	14.5	12.2	15.9	64.9	217	132	12.8	75.8	37.0
AC-FT	970	1860	1390	893	676	980	3860	13370	7850	785	4660	2200
MAX	32	40	35	22	26	36	190	621	439	28	764	144
MIN	3.0	17	11	7.3	0.0	0.0	22	16	16	0.0	13	18

CAL YR 1993 TOTAL 29623.6 MEAN 81.2 MAX 1330 MIN 0.00 AC-FT 58760  
WTR YR 1994 TOTAL 19915.02 MEAN 54.6 MAX 764 MIN 0.00 AC-FT 39500

MAX DISCH 2675 CFS AT 1200 20-AUG-1994 GH 5.20 FT. SHIFT 0.03 FT. MAX GH 5.20 FT. AT 1200 20-AUG-1994



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

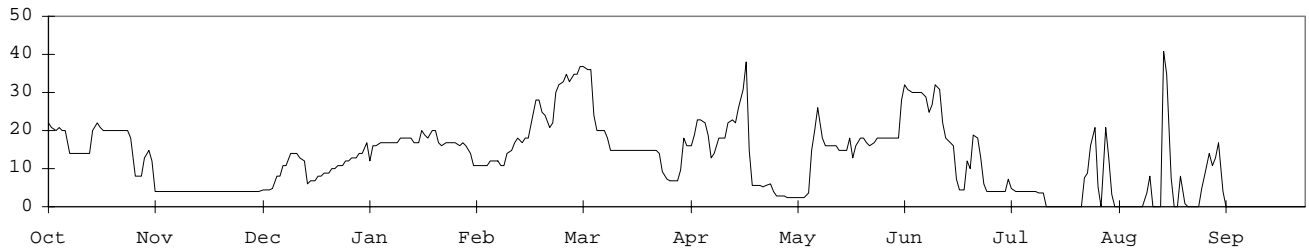
GAGE.--Water-stage recorder in small steel shelter. Control is 6' Parshall flume.

REMARKS.--Record is incomplete and unreliable much of year. Clock stopped for long periods, part of record was ice-affected, and float was setting on mud during many periods. Record fair to good, except for periods of missing data and ice effect, which is poor. Maintained by William F. Howland.

RATING TABLE.--NMCHIGCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	4.1	4.1	17	11	33	7.0	3.0	18	4.1	5.2	8.5
2	21	4.1	4.3	12	11	35	9.8	2.8	18	4.1	0.0	14
3	20	4.1	4.3	16	11	35	18	2.6	18	4.1	21	11
4	21	4.1	4.3	16	11	37	16	2.6	18	3.9	13	13
5	20	4.1	4.7	17	11	37	16	2.6	28	3.9	3.4	17
6	20	4.1	7.9	17	12	36	19	2.6	32	7.2	0.0	4.2
7	14	4.1	7.9	17	12	36	23	2.6	31	4.9	0.0	0.0
8	14	4.1	11	17	12	24	23	2.6	30	3.9	0.0	0.0
9	14	4.1	11	17	11	20	22	3.5	30	3.9	0.0	0.0
10	14	4.1	14	17	11	20	19	15	30	3.9	0.0	0.0
11	14	4.1	14	18	14	20	13	20	30	3.9	0.0	0.0
12	14	4.1	14	18	15	18	14	26	29	3.9	0.0	0.0
13	14	4.1	13	18	17	15	18	18	25	3.9	0.0	0.0
14	20	4.1	12	18	18	15	18	16	27	3.9	0.0	0.0
15	22	4.1	6.0	17	17	15	18	16	32	3.7	3.8	0.0
16	21	4.1	7.0	17	18	15	22	16	31	3.5	8.0	0.0
17	20	4.1	7.0	20	18	15	23	16	22	0.0	0.0	0.0
18	20	4.1	8.0	19	22	15	22	15	18	0.0	0.0	0.0
19	20	4.1	8.0	18	28	15	26	15	17	0.0	0.0	0.0
20	20	4.1	9.0	20	28	15	31	15	16	0.0	41	0.0
21	20	4.1	9.0	20	25	15	38	18	7.4	0.0	35	0.0
22	20	4.1	10	17	24	15	15	13	4.5	0.0	7.6	0.0
23	20	4.1	10	16	21	15	5.6	16	4.5	0.0	0.0	0.0
24	20	4.1	11	17	22	15	5.6	18	12	0.0	0.0	0.0
25	18	4.1	11	17	30	15	5.6	18	10	0.0	7.9	0.0
26	7.9	4.1	12	17	32	15	5.4	17	19	0.0	0.70	0.0
27	7.9	4.1	12	17	33	14	5.8	16	18	0.0	0.0	0.0
28	7.9	4.1	13	16	35	9.2	6.0	17	13	7.5	0.0	0.0
29	13	4.1	13	17	---	7.2	4.1	18	6.0	9.0	0.0	0.0
30	15	4.1	14	16	---	7.0	3.0	18	4.1	16	0.0	0.0
31	12	---	14	14	---	7.0	---	18	---	21	4.8	---
TOTAL	526.7	123.0	300.5	530	530	605.4	471.9	399.9	598.5	120.2	151.40	67.7
MEAN	17.0	4.10	9.69	17.1	18.9	19.5	15.7	12.9	20.0	3.88	4.88	2.26
AC-FT	1040	244	596	1050	1050	1200	936	793	1190	238	300	134
MAX	22	4.1	14	20	35	37	38	26	32	21	41	17
MIN	7.9	4.1	4.1	12	11	7.0	3.0	2.6	4.1	0.0	0.0	0.0
CAL YR 1993 TOTAL	6053.8		MEAN	16.6	MAX	45	MIN	0.00	AC-FT	12010		
WTR YR 1994 TOTAL	4425.20		MEAN	12.1	MAX	41	MIN	0.00	AC-FT	8780		



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.

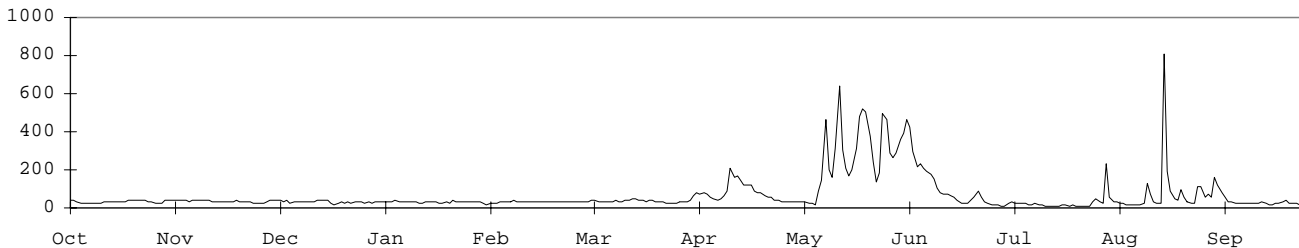
**DRAINAGE AREA.**--2,752 mi<sup>2</sup>.

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

**REMARKS.**--Discharge computed by combining discharge of river below Ninemile Dam and Ninemile Canal. The peak discharge for the water year was approximately 2,770 cfs on Aug. 20, 1994. The combined record is considered fair, except for periods of missing canal record, which is poor. Station maintained by William F. Howland.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	40	39	33	20	33	35	35	265	16	36	56
2	38	38	39	33	26	35	43	31	289	13	26	70
3	30	44	35	31	28	35	64	32	361	11	236	53
4	27	42	37	34	27	37	83	31	393	12	53	157
5	25	31	28	39	29	37	75	30	467	21	36	121
6	23	37	30	35	35	36	78	30	428	31	30	77
7	23	40	29	35	35	36	73	25	294	23	22	53
8	25	41	35	31	34	32	59	23	213	23	22	36
9	24	41	34	29	37	32	50	20	235	22	20	30
10	27	41	36	30	32	35	41	85	208	21	16	26
11	31	41	36	31	34	37	48	142	194	17	13	26
12	32	34	35	26	33	36	66	464	175	15	13	26
13	36	30	39	26	32	36	91	198	149	26	18	27
14	36	33	42	35	31	40	208	160	107	20	23	28
15	33	36	41	32	30	40	160	311	82	17	132	27
16	31	35	40	33	30	51	168	637	73	12	75	23
17	32	36	26	34	30	51	142	306	71	5.4	36	28
18	37	36	19	26	31	41	121	209	66	7.8	25	31
19	37	37	24	25	32	38	122	170	54	12	21	22
20	39	35	34	34	31	34	118	201	37	9.2	805	19
21	40	36	28	28	31	39	87	314	28	18	195	20
22	38	36	29	39	31	42	83	481	24	14	92	22
23	37	32	22	34	30	36	77	517	24	12	51	26
24	36	28	32	32	30	32	68	505	37	13	37	30
25	34	21	34	33	31	30	59	374	53	11	99	37
26	27	28	31	34	32	27	53	237	87	8.2	56	27
27	28	24	28	33	33	24	42	135	60	7.6	32	22
28	28	29	31	29	35	25	38	186	35	9.3	27	21
29	37	38	26	32	---	27	34	496	25	9.0	27	19
30	40	40	30	30	---	31	35	467	20	30	113	18
31	44	---	32	23	---	34	---	292	---	49	114	---
TOTAL	1017	1060	1001	979	870	1099	2421	7144	4554	515.5	2501	1178
MEAN	32.8	35.3	32.3	31.6	31.1	35.5	80.7	230	152	16.6	80.7	39.3
AC-FT	2020	2100	1990	1940	1730	2180	4800	14170	9030	1020	4960	2340
MAX	44	44	42	39	37	51	208	637	467	49	805	157
MIN	23	21	19	23	20	24	34	20	20	5.4	13	18
CAL YR 1993 TOTAL	35674.6		MEAN	97.7	MAX	1350	MIN	5.6	AC-FT	70760		
WTR YR 1994 TOTAL	24339.5		MEAN	66.7	MAX	805	MIN	5.4	AC-FT	48280		



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO.

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 6' Parshall flume.

REMARKS.--Record good. Station maintained and records developed by L. R. Schultz.

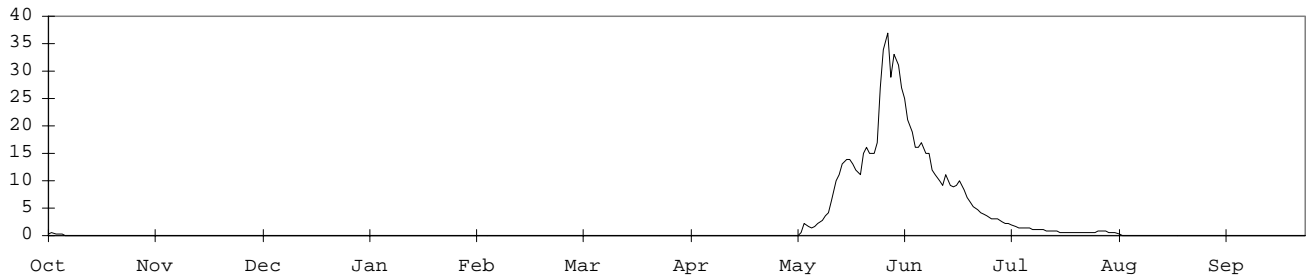
RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	3.1	0.82	0.0
2	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	3.1	0.85	0.0
3	0.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	3.0	0.76	0.0
4	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	2.5	0.49	0.0
5	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	2.3	0.50	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	2.1	0.44	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	21	2.0	0.18	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	19	1.7	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	16	1.4	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	16	1.4	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	17	1.3	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	15	1.3	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	15	1.2	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	12	1.1	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	11	1.1	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	10	1.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	9.3	0.92	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	11	0.87	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	9.2	0.81	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	9.0	0.72	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	9.3	0.62	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	10	0.53	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	8.2	0.59	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	7.0	0.65	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	6.1	0.58	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	5.3	0.53	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	4.7	0.52	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	4.2	0.55	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	17	3.9	0.58	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	27	3.5	0.50	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	34	---	0.59	0.0	---
TOTAL	1.79	0.0	0.0	0.0	0.0	0.0	0.0	263.69	434.7	39.16	4.03	0.0
MEAN	0.06	0.0	0.0	0.0	0.0	0.0	0.0	8.51	14.5	1.26	0.13	0.0
AC-FT	3.5	0.0	0.0	0.0	0.0	0.0	0.0	523	862	78	8.0	0.0
MAX	0.42	0.0	0.0	0.0	0.0	0.0	0.0	34	37	3.1	0.85	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.50	0.0	0.0

CAL YR 1993 TOTAL 1249.06 MEAN 3.42 MAX 44 MIN 0.00 AC-FT 2480  
WTR YR 1994 TOTAL 743.36 MEAN 2.04 MAX 37 MIN 0.00 AC-FT 1470

MAX DISCH 58 CFS AT 1815 03-JUN-1994 GH 1.73 FT. SHIFT 0.00 FT. MAX GH 1.73 FT. AT 1815 03-JUN-1994



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 4' Parshall flume.

REMARKS.--Record good. Station maintained and records developed by L. R. Schultz.

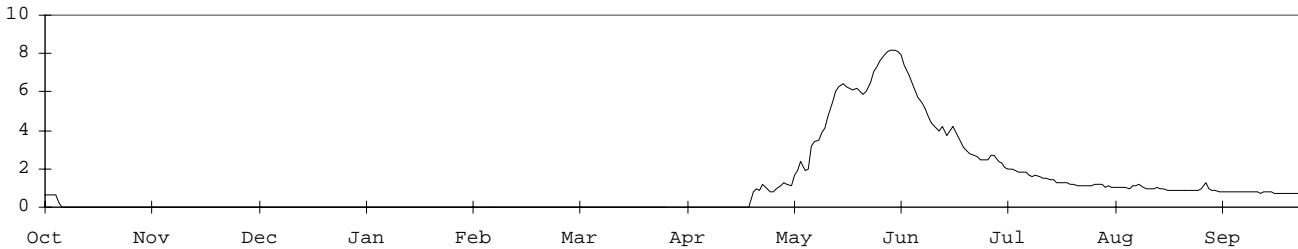
RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.98	7.9	2.5	1.2	0.99
2	0.65	0.0	0.0	0.0	0.0	0.0	0.0	1.1	8.1	2.7	1.2	1.3
3	0.65	0.0	0.0	0.0	0.0	0.0	0.0	1.3	8.2	2.7	1.2	0.96
4	0.64	0.0	0.0	0.0	0.0	0.0	0.0	1.2	8.2	2.4	1.0	0.90
5	0.24	0.0	0.0	0.0	0.0	0.0	0.0	1.1	8.1	2.3	1.1	0.85
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	7.9	2.1	1.0	0.80
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	7.4	2.0	1.0	0.80
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.9	2.0	1.0	0.79
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	6.5	1.9	1.0	0.80
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.1	1.8	1.0	0.77
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.7	1.8	0.95	0.80
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	5.4	1.8	1.1	0.81
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	5.1	1.7	1.1	0.81
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	4.7	1.6	1.2	0.80
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.4	1.7	1.0	0.80
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.1	1.6	0.97	0.80
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	4.0	1.5	0.97	0.77
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	4.2	1.5	0.98	0.75
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	3.7	1.4	1.0	0.76
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	4.0	1.4	0.95	0.78
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	4.2	1.3	0.95	0.80
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	3.9	1.3	0.91	0.75
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	3.4	1.3	0.85	0.72
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	6.2	3.1	1.3	0.89
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.98	6.0	2.9	1.2	0.90
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	5.9	2.8	1.2	0.85
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	6.0	2.7	1.1	0.87
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.96	6.5	2.6	1.1	0.89
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.80	7.1	2.5	1.1	0.89
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.82	7.3	2.5	1.1	0.85
31	0.0	---	0.0	0.0	---	0.0	---	7.6	---	1.1	0.85	---
TOTAL	2.82	0.0	0.0	0.0	0.0	0.0	6.44	133.88	151.2	51.5	30.64	24.10
MEAN	0.09	0.0	0.0	0.0	0.0	0.0	0.21	4.32	5.04	1.66	0.99	0.80
AC-FT	5.6	0.0	0.0	0.0	0.0	0.0	13	266	300	102	61	48
MAX	0.65	0.0	0.0	0.0	0.0	0.0	1.2	7.6	8.2	2.7	1.2	1.3
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.98	2.5	1.1	0.85	0.69

CAL YR 1993 TOTAL 819.72 MEAN 2.25 MAX 20 MIN 0.00 AC-FT 1630  
WTR YR 1994 TOTAL 400.58 MEAN 1.10 MAX 8.2 MIN 0.00 AC-FT 795

MAX DISCH 9.1 CFS AT 1745 17-MAY-1994 GH 0.74 FT. SHIFT -0.04 FT. MAX GH 0.74 FT. AT 1745 17-MAY-1994





TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 6' Parshall flume.

REMARKS.--Record good. Station maintained and records developed by L. R. Schultz.

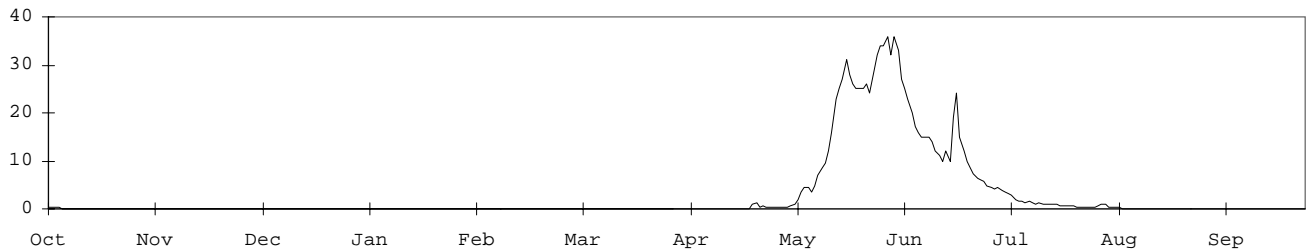
RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.35	36	4.4	0.60	0.0
2	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.42	32	4.1	1.0	0.0
3	0.41	0.0	0.0	0.0	0.0	0.0	0.0	0.43	36	4.5	0.82	0.0
4	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.49	33	3.8	0.38	0.0
5	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.95	27	3.6	0.20	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	25	3.2	0.31	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	23	3.0	0.20	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	20	1.9	0.14	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	17	1.6	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	16	1.5	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	15	1.4	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	15	1.5	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	15	1.3	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	14	1.1	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	12	1.2	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	11	1.1	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	10	0.94	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	12	0.99	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	10	1.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	19	0.83	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	24	0.74	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	15	0.61	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.93	25	12	0.55	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	1.2	25	10	0.52	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.41	25	8.5	0.50	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.60	26	7.3	0.38	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.35	24	6.5	0.30	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.35	29	6.1	0.26	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.35	32	5.6	0.23	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.35	34	4.8	0.23	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	34	---	0.25	0.0	---
TOTAL	1.82	0.0	0.0	0.0	0.0	0.0	4.54	492.44	497.8	47.55	3.65	0.0
MEAN	0.06	0.0	0.0	0.0	0.0	0.0	0.15	15.9	16.6	1.53	0.12	0.0
AC-FT	3.6	0.0	0.0	0.0	0.0	0.0	9.0	977	987	94	7.2	0.0
MAX	0.43	0.0	0.0	0.0	0.0	0.0	1.2	34	36	4.5	1.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	4.8	0.23	0.0	0.0

CAL YR 1993 TOTAL 2083.70 MEAN 5.71 MAX 57 MIN 0.00 AC-FT 4130  
WTR YR 1994 TOTAL 1047.80 MEAN 2.87 MAX 36 MIN 0.00 AC-FT 2080

MAX DISCH 66 CFS AT 2230 20-JUN-1994 GH 1.87 FT. SHIFT 0.03 FT. MAX GH 1.87 FT. AT 2230 20-JUN-1994



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 6' Parshall flume.

REMARKS.--Record good. Station maintained and records developed by L. R. Schultz.

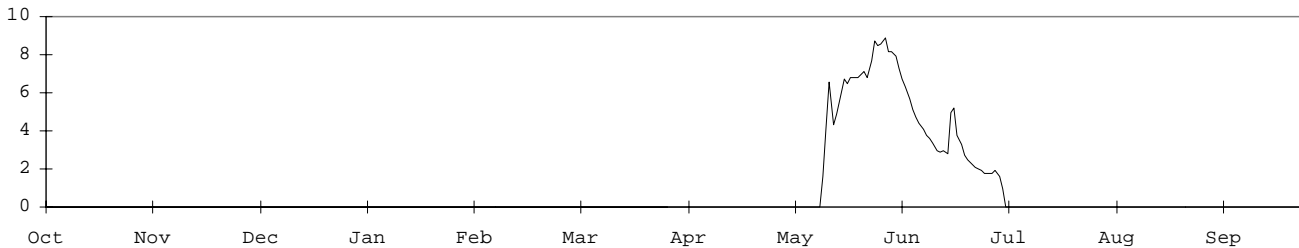
RATING TABLE.-- WUREXD001 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	1.8	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	1.8	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	1.9	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	1.6	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	1.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.6	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.4	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	3.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	2.9	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	3.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	2.8	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	5.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	5.2	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	3.8	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	3.3	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	2.7	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	2.5	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	2.3	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	2.1	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	2.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	8.7	1.9	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	8.5	1.8	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	8.6	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115.1	132.6	8.1	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.71	4.42	0.26	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	228	263	16	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	8.9	1.9	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0

CAL YR 1993 TOTAL 608.51 MEAN 1.67 MAX 20 MIN 0.00 AC-FT 1210  
WTR YR 1994 TOTAL 255.8 MEAN 0.70 MAX 8.9 MIN 0.00 AC-FT 507

MAX DISCH 14 CFS AT 2130 20-JUN-1994 GH 0.71 FT. SHIFT 0.02 FT. MAX GH 0.71 FT. AT 2130 20-JUN-1994



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 in Arkansas River basin.

GAGE.--F-type water-stage recorder with satellite telemetry located on a 12' Parshall flume.

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

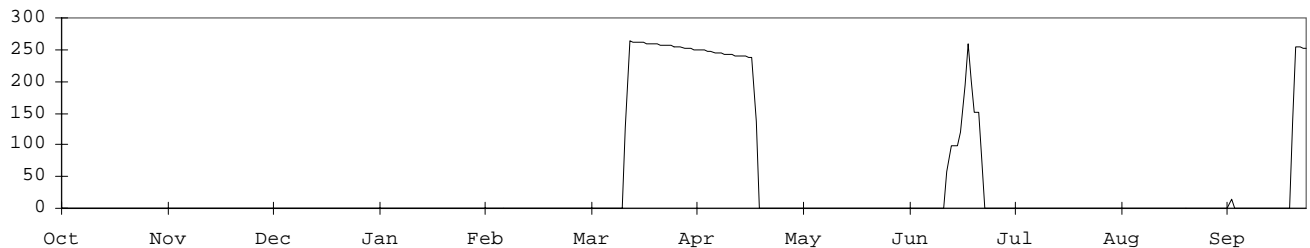
RATING TABLE.--HOMTUNCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	253	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	252	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	251	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	250	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	250	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	249	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	249	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	248	0.0	0.0	0.0	0.0	14
9	0.0	0.0	0.0	0.0	0.0	0.0	247	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	246	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	246	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	244	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	243	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	243	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	127	242	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	263	241	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	261	240	0.0	57	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	262	240	0.0	99	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	261	239	0.0	98	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	261	238	0.0	98	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	260	237	0.0	120	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	259	138	0.0	195	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	259	0.0	0.0	260	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	259	0.0	0.0	201	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	258	0.0	0.0	152	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	257	0.0	0.0	152	0.0	138
27	0.0	0.0	0.0	0.0	0.0	0.0	257	0.0	0.0	76	0.0	254
28	0.0	0.0	0.0	0.0	0.0	0.0	256	0.0	0.0	0.0	0.0	254
29	0.0	0.0	0.0	0.0	---	255	0.0	0.0	0.0	0.0	0.0	253
30	0.0	0.0	0.0	0.0	---	255	0.0	0.0	0.0	0.0	0.0	253
31	0.0	---	0.0	0.0	---	254	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	4264	5286	0.0	1508	0.0	0.0	1166
MEAN	0.0	0.0	0.0	0.0	0.0	138	176	0.0	50.3	0.0	0.0	38.9
AC-FT	0.0	0.0	0.0	0.0	0.0	8460	10480	0.0	2990	0.0	0.0	2310
MAX	0.0	0.0	0.0	0.0	0.0	263	253	0.0	260	0.0	0.0	254
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 1993 TOTAL 14121.3 MEAN 38.7 MAX 246 MIN 0.00 AC-FT 28010  
WTR YR 1994 TOTAL 12224 MEAN 33.5 MAX 263 MIN 0.00 AC-FT 24250

MAX DISCH 282 CFS AT 1630 08-SEP-1994 GH 3.02 FT. SHIFT 0.05 FT. MAX GH 3.02 FT. AT 1630 08-SEP-1994



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 12' Parshall flume.

REMARKS.--Record good and reliable with use of satellite monitoring system and strip-chart recorder. Station maintained and records developed by L. R. Schultz.

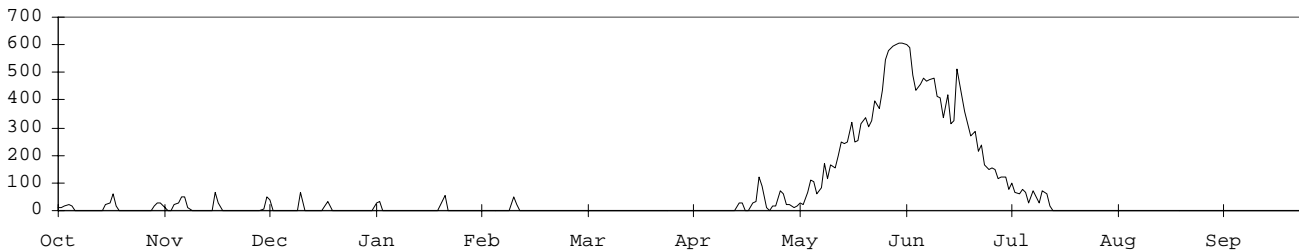
RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	10	47	1.0	0.99	0.99	1.4	60	580	156	0.28	0.17
2	13	1.4	36	28	0.99	0.99	1.4	21	595	150	0.27	0.17
3	17	1.5	0.99	31	0.96	0.99	1.4	20	600	117	0.26	0.17
4	22	23	0.99	0.82	0.82	0.99	1.4	12	604	120	0.19	0.21
5	15	29	0.99	0.83	0.79	0.99	1.4	19	604	123	0.18	0.27
6	0.18	50	1.0	0.91	0.86	1.00	1.4	30	601	75	0.18	0.21
7	0.17	51	1.1	0.99	1.4	1.0	1.5	24	588	99	0.17	0.17
8	0.36	13	1.2	0.99	1.4	1.0	1.5	66	488	64	0.17	0.18
9	0.56	0.67	1.2	0.99	1.4	1.0	1.5	109	435	58	0.17	0.17
10	0.73	0.66	1.2	0.99	1.6	1.0	1.6	106	457	77	0.18	0.17
11	0.45	0.75	68	0.99	49	1.1	1.6	59	478	68	0.17	0.17
12	0.49	1.0	0.82	0.99	24	1.1	1.6	83	466	30	0.17	0.17
13	0.66	1.3	0.84	1.0	0.82	1.2	1.6	173	474	73	0.17	0.24
14	0.67	1.4	0.96	1.1	0.83	1.2	1.6	113	477	49	0.17	0.27
15	22	1.5	0.99	1.2	0.82	1.2	1.6	164	415	27	0.17	0.27
16	26	64	0.99	1.2	0.82	1.2	1.6	153	409	72	0.17	0.25
17	60	27	1.00	1.2	0.82	1.2	1.6	200	337	59	0.17	0.17
18	16	0.73	16	1.2	0.82	1.2	27	249	417	16	0.17	0.17
19	0.79	0.68	35	1.3	0.82	1.2	27	240	313	1.2	0.17	0.17
20	0.81	0.82	0.82	1.4	0.82	1.2	0.99	247	327	1.3	0.17	0.17
21	0.80	0.82	0.82	20	0.82	1.2	1.1	321	511	1.4	0.17	0.16
22	0.90	0.96	0.82	56	0.82	1.2	30	246	418	1.4	0.17	0.17
23	0.99	0.98	0.82	0.83	0.96	1.3	33	251	356	1.4	0.17	0.17
24	1.1	1.00	0.93	0.82	0.99	1.3	122	312	316	1.1	0.17	0.17
25	1.3	1.1	0.99	0.82	0.99	1.4	89	334	269	0.99	0.17	0.17
26	1.4	1.2	0.99	0.87	0.99	1.4	9.6	304	284	0.99	0.17	0.16
27	1.6	1.2	0.99	0.98	0.99	1.4	0.99	325	214	1.1	0.17	0.17
28	1.8	1.4	0.98	0.99	0.99	1.4	15	397	238	0.92	0.17	0.16
29	19	1.4	0.99	0.99	---	1.4	15	367	163	0.27	0.17	0.16
30	27	3.0	0.99	0.99	---	1.4	73	437	149	0.28	0.17	0.17
31	26	---	0.99	0.99	---	1.4	---	548	---	0.30	0.17	---
TOTAL	287.77	292.47	227.40	162.38	98.32	36.55	469.38	5990	12583	1445.65	5.64	5.60
MEAN	9.28	9.75	7.34	5.24	3.51	1.18	15.6	193	419	46.6	0.18	0.19
AC-FT	571	580	451	322	195	72	931	11880	24960	2870	11	11
MAX	60	64	68	56	49	1.4	122	548	604	156	0.28	0.27
MIN	0.17	0.66	0.82	0.82	0.79	0.99	0.99	12	149	0.27	0.17	0.16

CAL YR 1993 TOTAL 32144.21 MEAN 88.1 MAX 628 MIN 0.17 AC-FT 63760  
WTR YR 1994 TOTAL 21604.16 MEAN 59.2 MAX 604 MIN 0.16 AC-FT 42850

MAX DISCH 622 CFS AT 0600 05-JUN-1994 GH 5.04 FT. SHIFT 0.00 FT. MAX GH 5.04 FT. AT 0600 05-JUN-1994



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09077160 BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE, CO

**LOCATION.**--Lat 39°16'40", long 106°25'40"; Charles H. Boustead tunnel diverts water from the main stem and tributaries of Fryingpan River in Colorado River basin, to Lake Fork in sec. 10, T. 9 S., R. 81 W., in Arkansas River basin.

**GAGE.**--Water-stage recorder with satellite telemetry located at 15' Parshall flume.

**REMARKS.**--Record is complete and reliable the entire year. DCP is primary source of data. Record good. Station maintained and records developed by L. R. Schultz.

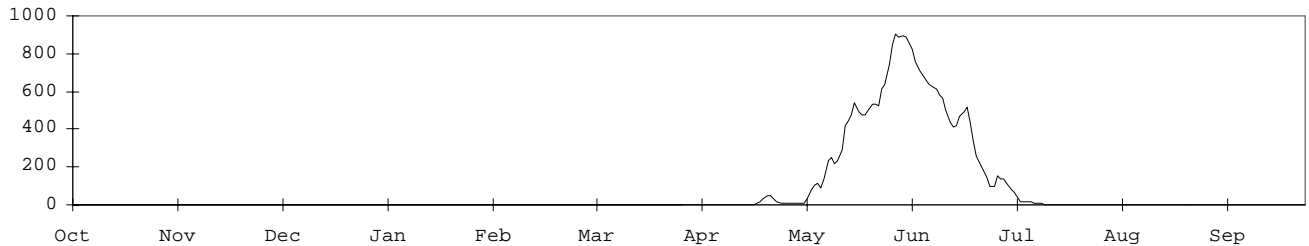
**RATING TABLE.**--BOUTUNCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	2.5	2.5	2.2	2.2	3.1	1.9	6.6	902	150	2.5	0.34
2	2.2	2.5	2.5	2.2	2.2	3.1	1.9	5.9	890	137	2.5	0.34
3	2.2	2.5	2.5	2.2	2.2	3.1	1.9	5.5	894	140	2.5	0.34
4	2.2	2.5	2.5	2.2	2.2	3.1	1.9	5.4	890	112	2.5	0.34
5	2.2	2.5	2.5	2.2	2.2	3.1	1.9	8.2	853	79	2.5	0.34
6	2.2	2.5	2.5	2.2	2.2	3.1	2.1	29	822	64	2.5	0.34
7	2.2	2.5	2.5	2.2	2.2	3.1	2.2	77	760	43	2.5	0.34
8	2.2	2.5	2.5	2.2	2.2	3.1	2.0	102	707	20	2.5	0.34
9	2.2	2.5	2.4	2.2	2.2	2.9	1.9	112	685	20	2.5	0.34
10	2.2	2.5	2.5	2.2	2.4	2.8	1.9	88	660	19	2.5	0.34
11	2.2	2.5	2.5	2.2	2.8	2.8	1.7	134	639	16	2.5	0.33
12	2.2	2.5	2.5	2.2	2.8	2.8	1.7	236	621	5.3	2.5	0.21
13	2.2	2.5	2.4	2.2	2.8	2.8	1.7	247	615	7.5	2.5	0.21
14	2.2	2.5	2.3	2.2	2.8	2.8	1.7	221	581	5.2	2.5	0.21
15	2.2	2.5	2.2	2.2	2.8	2.8	1.7	236	563	3.3	1.5	0.21
16	2.2	2.5	2.2	2.2	2.8	2.5	1.7	291	502	3.1	0.48	0.21
17	2.2	2.5	2.2	2.2	2.8	2.2	1.7	417	436	3.1	0.43	0.21
18	2.2	2.5	2.2	2.2	2.8	2.2	1.7	443	414	3.3	0.34	0.21
19	2.2	2.5	2.2	2.4	2.8	2.0	1.7	478	417	3.1	0.34	0.21
20	2.2	2.5	2.2	2.5	2.8	1.7	1.8	544	468	3.1	0.34	0.21
21	2.2	2.5	2.2	2.5	2.8	1.7	4.5	490	494	2.7	0.34	0.21
22	2.2	2.5	2.2	2.5	2.8	1.8	17	474	513	2.2	0.34	0.21
23	2.2	2.5	2.2	2.5	2.8	1.9	32	473	435	2.2	0.34	0.21
24	2.2	2.5	2.2	2.5	2.8	1.9	52	497	336	2.2	0.34	0.14
25	2.2	2.5	2.2	2.5	2.8	1.9	50	533	262	2.2	0.34	0.11
26	2.2	2.5	2.2	2.5	2.9	1.9	29	534	211	2.2	0.34	0.11
27	2.2	2.5	2.2	2.5	3.1	1.9	15	525	180	2.2	0.34	0.77
28	2.2	2.5	2.2	2.5	3.1	1.9	10	615	145	2.3	0.34	1.4
29	2.3	2.5	2.2	2.4	---	1.9	8.8	636	100	2.5	0.34	1.7
30	2.5	2.5	2.2	2.2	---	1.9	7.4	739	94	2.5	0.34	1.7
31	2.5	---	2.2	2.2	---	1.9	---	844	---	2.5	0.34	---
TOTAL	68.9	75.0	72.0	71.3	73.3	75.7	262.4	10046.6	16089	862.7	42.17	12.18
MEAN	2.22	2.50	2.32	2.30	2.62	2.44	8.75	324	536	27.8	1.36	0.41
AC-FT	137	149	143	141	145	150	520	19930	31910	1710	84	24
MAX	2.5	2.5	2.5	2.5	3.1	3.1	52	844	902	150	2.5	1.7
MIN	2.2	2.5	2.2	2.2	2.2	1.7	1.7	5.4	94	2.2	0.34	0.11

CAL YR 1993 TOTAL 44731.1 MEAN 123 MAX 940 MIN 2.0 AC-FT 88720  
WTR YR 1994 TOTAL 27751.25 MEAN 76.0 MAX 902 MIN 0.11 AC-FT 55040

MAX DISCH 936 CFS AT 1830 01-JUN-1994 GH 5.70 FT. SHIFT 0.00 FT. MAX GH 5.70 FT. AT 1830 01-JUN-1994



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09077500 BUSK-IVANHOE TUNNEL AT EAST PORTAL NEAR MALTA, CO

**LOCATION.**--Lat 39°14'55", long 106°28'14"; Water diverted from Ivanhoe Lake, tributary to Fryingpan River in sec. 13, T. 9 S., R. 82 W., in Roaring Fork River basin, to Busk Creek (tributary to Lake Fork) in sec. 20, T. 9 S., R. 81 W., in Arkansas River basin.

**GAGE.**--F-type water stage recorder with satellite telemetry located on an 8' Parshall flume.

**REMARKS.**--Record is complete and reliable the entire year. Satellite record used to fill in open chart data and verify chart data. Station maintained and records developed by L. R. Schultz.

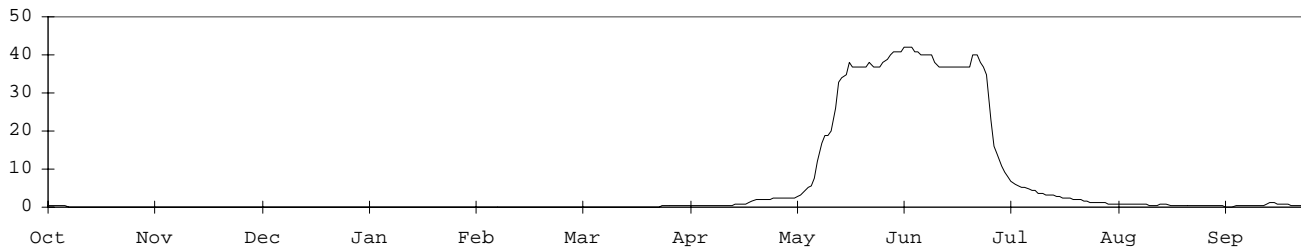
**RATING TABLE.**--BUSTUNCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.26	0.0	0.0	0.0	0.0	0.0	0.35	2.5	39	23	1.4	0.26
2	0.26	0.0	0.0	0.0	0.0	0.0	0.35	2.6	40	16	1.3	0.26
3	0.26	0.0	0.0	0.0	0.0	0.0	0.36	2.6	41	14	1.2	0.26
4	0.26	0.0	0.0	0.0	0.0	0.0	0.45	2.6	41	11	1.0	0.26
5	0.26	0.0	0.0	0.0	0.0	0.0	0.45	2.6	41	9.2	0.92	0.26
6	0.26	0.0	0.0	0.0	0.0	0.0	0.45	2.7	42	7.9	0.92	0.22
7	0.10	0.0	0.0	0.0	0.0	0.0	0.45	3.1	42	7.0	0.86	0.18
8	0.0	0.0	0.0	0.0	0.0	0.0	0.45	3.9	42	6.2	0.79	0.18
9	0.0	0.0	0.0	0.0	0.0	0.0	0.45	5.1	41	5.6	0.79	0.20
10	0.0	0.0	0.0	0.0	0.0	0.0	0.45	5.8	41	5.2	0.79	0.22
11	0.0	0.0	0.0	0.0	0.0	0.0	0.45	7.7	40	5.1	0.73	0.26
12	0.0	0.0	0.0	0.0	0.0	0.0	0.45	12	40	4.9	0.67	0.26
13	0.0	0.0	0.0	0.0	0.0	0.0	0.45	17	40	4.6	0.67	0.26
14	0.0	0.0	0.0	0.0	0.0	0.0	0.45	19	40	4.3	0.67	0.26
15	0.0	0.0	0.0	0.0	0.0	0.0	0.45	19	38	3.8	0.62	0.26
16	0.0	0.0	0.0	0.0	0.0	0.0	0.45	20	37	3.6	0.55	0.26
17	0.0	0.0	0.0	0.0	0.0	0.0	0.45	26	37	3.3	0.55	0.26
18	0.0	0.0	0.0	0.0	0.0	0.0	0.62	33	37	3.2	0.55	0.26
19	0.0	0.0	0.0	0.0	0.0	0.0	0.76	34	37	3.1	0.66	0.69
20	0.0	0.0	0.0	0.0	0.0	0.0	0.92	35	37	3.0	0.67	1.1
21	0.0	0.0	0.0	0.0	0.0	0.0	0.97	38	37	2.8	0.67	1.1
22	0.0	0.0	0.0	0.0	0.0	0.0	1.3	37	37	2.5	0.56	0.93
23	0.0	0.0	0.0	0.0	0.0	0.0	1.8	37	37	2.4	0.30	0.81
24	0.0	0.0	0.0	0.0	0.0	0.0	2.2	37	37	2.3	0.26	0.72
25	0.0	0.0	0.0	0.0	0.0	0.0	2.2	37	37	2.2	0.26	0.61
26	0.0	0.0	0.0	0.0	0.0	0.0	2.0	37	40	2.1	0.26	0.55
27	0.0	0.0	0.0	0.0	0.0	0.0	2.2	38	40	2.0	0.26	0.55
28	0.0	0.0	0.0	0.0	0.0	0.23	2.2	37	38	1.7	0.26	0.55
29	0.0	0.0	0.0	0.0	---	0.35	2.3	37	37	1.5	0.26	0.55
30	0.0	0.0	0.0	0.0	---	0.35	2.4	37	35	1.4	0.26	0.55
31	0.0	---	0.0	0.0	---	0.35	---	38	---	1.4	0.26	---
TOTAL	1.66	0.0	0.0	0.0	0.0	1.28	29.24	666.2	1168	166.3	19.91	13.08
MEAN	0.05	0.0	0.0	0.0	0.0	0.04	0.97	21.5	38.9	5.36	0.64	0.44
AC-FT	3.3	0.0	0.0	0.0	0.0	2.5	58	1320	2320	330	39	26
MAX	0.26	0.0	0.0	0.0	0.0	0.35	2.4	38	42	23	1.4	1.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.35	2.5	35	1.4	0.26	0.18

CAL YR 1993 TOTAL 2489.07 MEAN 6.82 MAX 51 MIN 0.00 AC-FT 4940  
WTR YR 1994 TOTAL 2065.68 MEAN 5.66 MAX 42 MIN 0.00 AC-FT 4100

MAX DISCH 42 CFS AT 0130 06-JUN-1994 GH 1.18 FT. SHIFT 0.00 FT. MAX GH 1.18 FT. AT 0130 06-JUN-1994



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 good. Station maintained and records developed by Bruce Smith and L.R. Schultz.

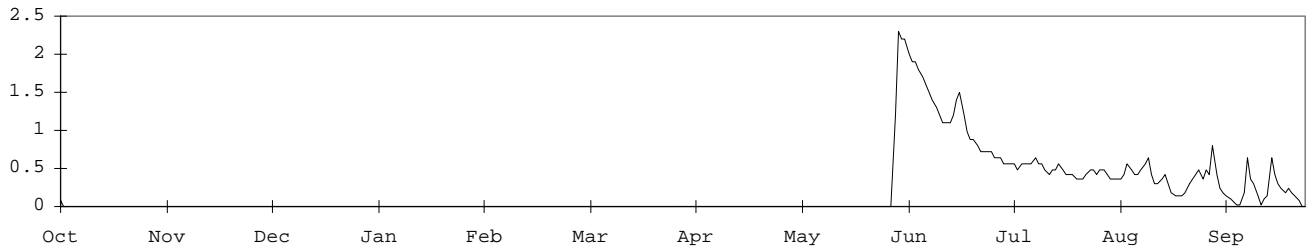
RATING TABLE.--LARDITCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.64	0.49	0.49
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.64	0.49	0.42
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.64	0.42	0.80
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.56	0.36	0.42
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.56	0.36	0.24
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.56	0.36	0.19
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.56	0.36	0.14
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.49	0.42	0.10
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.56	0.56	0.06
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.56	0.49	0.03
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.56	0.42	0.03
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.56	0.42	0.19
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.64	0.49	0.64
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.56	0.56	0.36
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.56	0.64	0.30
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.49	0.42	0.14
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.42	0.30	0.03
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.49	0.30	0.10
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.49	0.36	0.14
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.56	0.42	0.64
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.49	0.30	0.42
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.42	0.19	0.30
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.98	0.42	0.14	0.24
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	0.42	0.15	0.19
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	0.36	0.15	0.24
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	0.36	0.19	0.19
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.72	0.36	0.30	0.14
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.72	0.42	0.36	0.09
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.72	0.49	0.42	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.72	0.49	0.49	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.42	0.36	---
TOTAL	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.24	15.75	11.69	7.27
MEAN	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.31	0.51	0.38	0.24
AC-FT	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78	31	23	14
MAX	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.64	0.64	0.80
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.14	0.0

CAL YR 1993 TOTAL 168.50 MEAN 0.46 MAX 5.1 MIN 0.00 AC-FT 334  
WTR YR 1994 TOTAL 74.03 MEAN 0.20 MAX 2.3 MIN 0.00 AC-FT 147

MAX DISCH 2.65 CFS AT 1200 03-JUN-1994 GH 0.36 FT. SHIFT -0.04 FT. MAX GH 0.36 FT. AT 1200 03-JUN-1994



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.**--163 mi<sup>2</sup>.

**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.**--Flow regulated by Rio Grande Reservoir, capacity, 51,110 acre-ft, since 1912. Natural flow of stream affected by transmountain diversions from Colorado River basin to drainage area upstream from station through Weminuche Pass and Pine River-Weminuche Pass ditches. Record is complete and reliable except for Oct. 31-Nov. 4, 1993; Apr. 7-13, 1994 when the station was isolated Nov. 5, 1993-Apr. 6, 1994 when the station was closed for the winter. Record good except for periods of no gage-height record which are fair. Station maintained and records developed by Div. III staff.

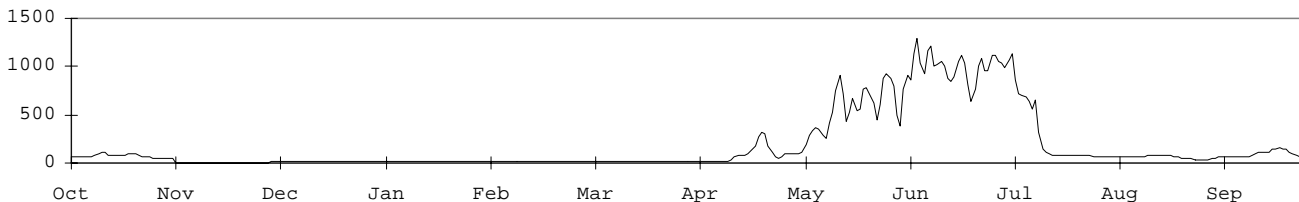
**RATING TABLE.**--RIOMILCO11 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	7.5	8.0	8.6	9.1	9.6	10	89	798	1110	61	39
2	62	7.5	8.0	8.6	9.1	9.6	10	98	494	1060	59	39
3	62	7.5	8.0	8.6	9.2	9.7	10	102	390	1030	58	41
4	62	7.5	8.1	8.6	9.2	9.7	10	102	759	992	58	54
5	62	7.5	8.1	8.6	9.2	9.7	10	111	905	1070	57	68
6	62	7.5	8.1	8.7	9.2	9.7	10	198	856	1130	56	71
7	62	7.6	8.1	8.7	9.2	9.7	10	282	1140	857	56	65
8	75	7.6	8.1	8.7	9.3	9.7	10	342	1290	717	56	62
9	97	7.6	8.1	8.7	9.3	9.8	10	364	1030	708	56	62
10	107	7.6	8.2	8.7	9.3	9.8	10	354	923	692	56	62
11	104	7.6	8.2	8.7	9.3	9.8	10	284	1170	635	56	58
12	87	7.7	8.2	8.8	9.3	9.8	10	259	1210	560	57	56
13	82	7.7	8.2	8.8	9.3	9.8	23	414	1000	658	60	59
14	74	7.7	8.2	8.8	9.4	9.8	37	533	1020	323	68	65
15	73	7.7	8.3	8.8	9.4	9.9	58	749	1050	140	74	78
16	77	7.7	8.3	8.8	9.4	9.9	78	903	1000	109	76	99
17	85	7.7	8.3	8.9	9.4	9.9	78	712	885	89	76	105
18	90	7.8	8.3	8.9	9.4	9.9	82	427	851	78	76	106
19	99	7.8	8.3	8.9	9.5	9.9	95	529	901	74	77	112
20	94	7.8	8.3	8.9	9.5	9.9	124	678	1050	74	77	119
21	81	7.8	8.4	8.9	9.5	10	170	544	1110	74	77	140
22	67	7.8	8.4	8.9	9.5	10	264	558	1030	74	74	151
23	62	7.9	8.4	9.0	9.5	10	314	772	821	74	67	152
24	57	7.9	8.4	9.0	9.5	10	299	778	637	77	62	151
25	55	7.9	8.4	9.0	9.6	10	170	716	772	78	54	150
26	55	7.9	8.5	9.0	9.6	10	106	622	1010	80	49	116
27	55	7.9	8.5	9.0	9.6	10	57	450	1080	81	43	91
28	55	7.9	8.5	9.1	9.6	10	41	611	958	81	40	79
29	55	8.0	8.5	9.1	---	10	71	881	951	75	39	70
30	55	8.0	8.5	9.1	---	10	88	919	1120	68	39	65
31	51	---	8.5	9.1	---	10	---	878	---	64	39	---
TOTAL	2226	231.6	256.4	274.0	262.4	305.6	2275	15259	28211	12932	1853	2585
MEAN	71.8	7.72	8.27	8.84	9.37	9.86	75.8	492	940	417	59.8	86.2
AC-FT	4420	459	509	543	520	606	4510	30270	55960	25650	3680	5130
MAX	107	8.0	8.5	9.1	9.6	10	314	919	1290	1130	77	152
MIN	51	7.5	8.0	8.6	9.1	9.6	10	89	390	64	39	39

CAL YR 1993 TOTAL 72789.2 MEAN 199 MAX 1400 MIN 1.2 AC-FT 144400  
WTR YR 1994 TOTAL 66671.0 MEAN 183 MAX 1290 MIN 7.5 AC-FT 132200

MAX DISCH 1350 CFS AT 0930 07-JUN-1994 GH 3.73 FT. SHIFT -0.13 FT. MAX GH 3.74 FT. AT 0930 11-JUN-1994





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 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder and concrete control with satellite monitoring system installed Apr. 29, 1992. Elevation of gage is 10,200 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Flow regulated by Continental Reservoir, Capacity, 26,720 acre-ft. Record is complete and reliable except for Nov. 5, 1993-Apr. 28, 1994 when the station was closed for the winter. Record is good except for periods of no gage-height which is fair. Station maintained and records developed by Div. III staff.

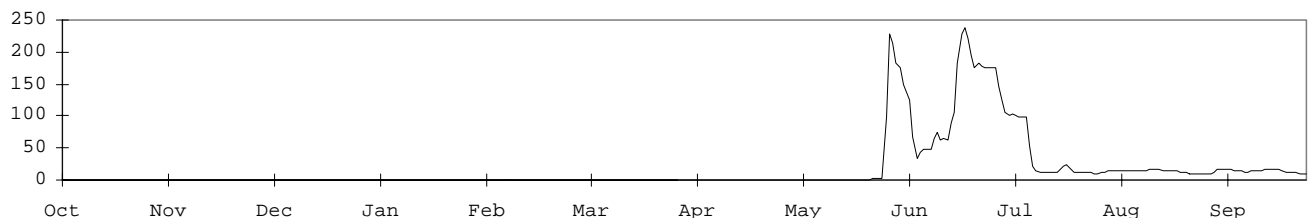
**RATING TABLE.**--NCLCONCO20 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.25	0.25	0.30	0.35	0.40	0.40	0.45	0.50	215	175	11	9.6
2	0.25	0.25	0.30	0.35	0.40	0.40	0.45	0.50	183	146	13	9.6
3	0.18	0.30	0.30	0.35	0.40	0.40	0.45	0.50	175	126	14	13
4	0.22	0.30	0.30	0.35	0.40	0.40	0.45	0.35	150	106	14	17
5	0.35	0.30	0.30	0.35	0.40	0.40	0.45	0.50	138	102	14	18
6	0.35	0.30	0.30	0.35	0.40	0.40	0.45	0.65	125	103	14	17
7	0.35	0.30	0.30	0.35	0.40	0.40	0.45	0.65	68	101	14	18
8	0.35	0.30	0.30	0.35	0.40	0.40	0.45	0.64	34	99	14	16
9	0.35	0.30	0.30	0.35	0.40	0.40	0.45	0.63	44	99	14	14
10	0.35	0.30	0.30	0.35	0.40	0.40	0.45	0.65	49	98	14	14
11	0.35	0.30	0.30	0.35	0.40	0.40	0.45	0.50	49	54	14	14
12	0.35	0.30	0.30	0.35	0.40	0.40	0.45	0.52	49	21	14	12
13	0.35	0.30	0.30	0.35	0.40	0.40	0.45	0.65	64	14	14	12
14	0.35	0.30	0.35	0.35	0.40	0.45	0.45	0.65	75	13	14	14
15	0.35	0.30	0.35	0.35	0.40	0.45	0.45	0.63	63	13	16	14
16	0.35	0.30	0.35	0.35	0.40	0.45	0.45	0.61	64	13	18	14
17	0.35	0.30	0.35	0.35	0.40	0.45	0.45	0.65	62	13	18	15
18	0.35	0.30	0.35	0.35	0.40	0.45	0.45	0.65	88	11	16	16
19	0.35	0.30	0.35	0.35	0.40	0.45	0.45	0.86	105	12	14	16
20	0.31	0.30	0.35	0.35	0.40	0.45	0.45	0.95	183	16	14	17
21	0.25	0.30	0.35	0.35	0.40	0.45	0.45	0.95	228	22	14	17
22	0.25	0.30	0.35	0.35	0.40	0.45	0.45	0.95	237	23	14	17
23	0.25	0.30	0.35	0.35	0.40	0.45	0.45	0.95	220	17	14	15
24	0.20	0.30	0.35	0.35	0.40	0.45	0.45	0.95	195	13	12	13
25	0.25	0.30	0.35	0.35	0.40	0.45	0.45	1.0	176	12	11	12
26	0.25	0.30	0.35	0.35	0.40	0.45	0.50	1.4	182	12	11	11
27	0.25	0.30	0.35	0.35	0.40	0.45	0.50	1.4	177	12	9.9	11
28	0.25	0.30	0.35	0.40	0.40	0.45	0.50	1.3	175	12	9.1	9.7
29	0.28	0.30	0.35	0.40	---	0.45	0.50	1.4	175	11	9.1	9.1
30	0.25	0.30	0.35	0.40	---	0.45	0.50	99	176	10	9.1	9.3
31	0.25	---	0.35	0.40	---	0.45	---	228	---	10	9.3	---
TOTAL	9.19	8.90	10.20	11.05	11.20	13.30	13.75	349.53	3924	1489	410.5	414.3
MEAN	0.30	0.30	0.33	0.36	0.40	0.43	0.46	11.3	131	48.0	13.2	13.8
AC-FT	18	18	20	22	22	26	27	693	7780	2950	814	822
MAX	0.35	0.30	0.35	0.40	0.40	0.45	0.50	228	237	175	18	18
MIN	0.18	0.25	0.30	0.35	0.40	0.40	0.45	0.35	34	10	9.1	9.1

CAL YR 1993 TOTAL 11399.16 MEAN 31.2 MAX 278 MIN 0.18 AC-FT 22610  
WTR YR 1994 TOTAL 6664.92 MEAN 18.3 MAX 237 MIN 0.18 AC-FT 13220

MAX DISCH 268 CFS AT 0615 31-MAY-1994 GH 2.29 FT. SHIFT 0.19 FT. MAX GH 2.29 FT. AT 0615 31-MAY-1994



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 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder. 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. 22, 25-30; Dec. 1-2, 1993; Mar. 27-31; Apr. 1-3, 6, 1994 when the well was frozen. Dec. 3, 1993-Mar. 22, 1994 when the station was closed for the winter. Aug. 8-31; Sep. 1, 1994 when the recorder clock stopped. Sep. 2, 4-14, 1994 when the pen was not inking during the entire day. Stage-discharge relation affected by ice Nov. 16-21, 23-24, 1993. Records are good except for periods of no gage-height record which are fair. Station maintained and records developed by Div. III staff.

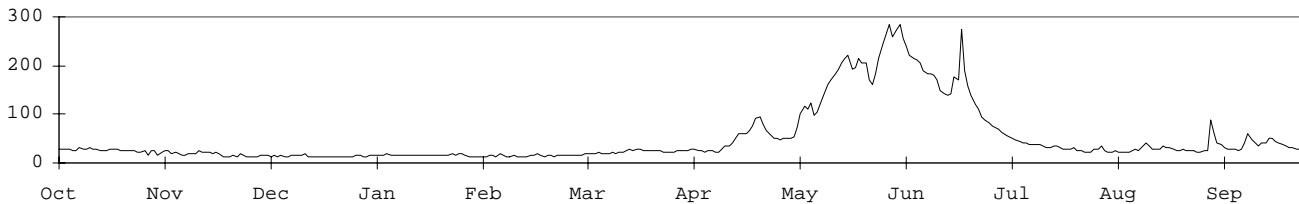
**RATING TABLE.**--GOOWAGCO09 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	26	16	15	12	16	26	52	284	77	30	26
2	29	24	14	17	12	16	26	51	260	72	35	25
3	29	20	15	17	14	17	26	49	276	68	26	88
4	28	23	14	17	16	19	28	54	284	64	23	63
5	26	18	16	19	16	19	28	74	256	58	23	42
6	26	15	14	17	14	19	26	101	239	54	26	37
7	32	17	14	16	18	19	25	116	222	51	23	31
8	30	19	15	15	17	21	23	111	214	46	22	30
9	30	18	16	15	14	19	25	123	211	45	22	29
10	32	20	16	15	14	18	24	99	204	41	22	29
11	29	24	16	15	17	20	23	103	190	40	26	26
12	29	23	18	15	14	22	23	130	184	39	29	30
13	26	23	14	17	12	20	28	146	184	39	26	42
14	26	23	13	17	14	23	34	160	181	39	35	59
15	26	20	14	16	14	23	34	172	169	39	40	46
16	28	21	13	16	15	25	41	184	149	35	36	41
17	30	19	12	16	17	27	51	194	141	32	30	36
18	28	14	13	17	19	25	59	204	138	32	28	41
19	26	14	14	17	16	28	59	214	141	36	28	41
20	26	14	13	16	14	27	59	222	178	35	35	52
21	24	15	12	16	16	25	66	192	172	32	32	52
22	25	13	13	16	16	26	77	197	276	30	32	44
23	24	18	13	16	13	25	92	214	190	29	28	40
24	23	15	13	18	15	25	96	204	157	29	26	37
25	23	13	14	17	16	26	79	204	138	31	26	35
26	25	13	14	19	16	25	66	172	120	26	28	32
27	16	14	15	18	16	23	59	160	110	24	25	31
28	25	14	15	16	17	21	51	183	96	23	24	30
29	25	15	14	14	---	23	52	214	87	23	24	29
30	16	16	14	14	---	23	48	246	83	21	22	30
31	21	---	15	12	---	24	---	264	---	28	21	---
TOTAL	813	541	442	501	424	689	1354	4809	5534	1238	853	1174
MEAN	26.2	18.0	14.3	16.2	15.1	22.2	45.1	155	184	39.9	27.5	39.1
AC-FT	1610	1070	877	994	841	1370	2690	9540	10980	2460	1690	2330
MAX	32	26	18	19	19	28	96	264	284	77	40	88
MIN	16	13	12	12	12	16	23	49	83	21	21	25

CAL YR 1993 TOTAL 24103 MEAN 66.0 MAX 352 MIN 12 AC-FT 47810  
WTR YR 1994 TOTAL 18372 MEAN 50.3 MAX 284 MIN 12 AC-FT 36440

MAX DISCH 400 CFS AT 0630 22-JUN-1994 GH 3.73 FT. SHIFT -0.01 FT. MAX GH 3.73 FT. AT 0630 22-JUN-1994



RIO GRANDE BASIN

08219500 SOUTH FORK RIO GRANDE AT SOUTH FORK, CO

**LOCATION.**--Lat 37°39'25", long 106°38'55", in SW¼SE¼ sec. 3, T.39 N., R.3 E., Rio Grande County, Hydrologic Unit 13010001, on left bank near U.S. Highway 160, 0.1 mile downstream from Church Creek, 0.9 mi southwest of village of South Fork, and 1.5 mi upstream from mouth.

**DRAINAGE AREA.**--216 mi<sup>2</sup>.

**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.**--Transmountain diversions from Colorado River basin to drainage area upstream from station through Treasure Pass ditch. Record is complete and reliable except for Dec. 3, 1993-Mar. 22, 1994 when the station was closed for the winter; Mar. 27-28, 1994 when the floats were frozen. Stage-discharge relation was affected by ice Nov. 7-30; Dec. 1-2, 1993. Record good except for periods of no gage-height record and ice affect which are fair. Station maintained and records developed by Div. III staff.

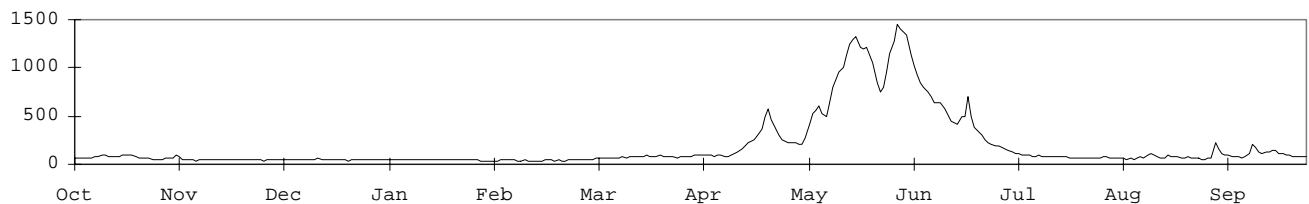
**RATING TABLE.**--RIOSFKCO08 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	76	50	46	34	45	87	226	1460	185	74	68
2	66	49	47	49	35	49	91	218	1400	171	83	65
3	64	45	52	47	39	54	94	209	1370	160	70	221
4	64	47	47	49	45	58	103	214	1340	147	59	165
5	63	40	52	52	44	58	101	278	1140	133	56	113
6	62	39	49	45	40	60	93	412	1020	112	64	101
7	82	40	49	43	46	58	91	525	928	105	58	92
8	84	42	50	40	42	68	87	564	845	98	54	83
9	88	40	52	42	37	62	89	612	794	94	56	75
10	94	43	50	42	37	56	88	530	756	90	55	73
11	87	48	50	40	40	64	85	500	704	86	68	71
12	81	48	56	40	36	76	84	633	634	86	78	74
13	77	46	50	46	33	64	92	792	638	89	67	118
14	80	43	42	48	36	74	115	882	633	87	88	204
15	90	40	45	45	36	74	128	958	580	84	105	168
16	88	40	43	46	39	80	155	1000	504	80	92	132
17	94	42	40	44	44	86	193	1140	452	76	75	118
18	93	44	42	47	46	80	229	1250	429	76	71	126
19	80	47	46	46	41	88	245	1290	421	75	71	130
20	69	43	42	44	36	82	263	1320	496	80	93	139
21	65	45	38	46	40	76	312	1210	499	75	82	140
22	58	40	41	44	38	82	367	1190	710	69	81	117
23	56	54	44	45	35	88	490	1220	490	62	73	104
24	52	45	41	47	44	84	576	1140	388	62	68	97
25	51	42	47	45	47	84	466	1050	335	66	68	91
26	55	38	44	49	45	80	364	845	299	65	73	87
27	47	40	47	45	47	73	304	747	262	63	61	86
28	61	40	48	42	49	65	258	792	229	64	58	81
29	58	43	45	39	---	76	245	956	213	65	56	77
30	60	46	45	38	---	75	226	1150	198	62	49	78
31	88	---	47	35	---	78	---	1280	---	68	44	---
TOTAL	2223	1335	1441	1376	1131	2197	6121	25133	20167	2835	2150	3294
MEAN	71.7	44.5	46.5	44.4	40.4	70.9	204	811	672	91.5	69.4	110
AC-FT	4410	2650	2860	2730	2240	4360	12140	49850	40000	5620	4260	6530
MAX	94	76	56	52	49	88	576	1320	1460	185	105	221
MIN	47	38	38	35	33	45	84	209	198	62	44	65

CAL YR 1993 TOTAL 94835 MEAN 260 MAX 2110 MIN 37 AC-FT 188100  
WTR YR 1994 TOTAL 69403 MEAN 190 MAX 1460 MIN 33 AC-FT 137700

MAX DISCH 1680 CFS AT 2200 01-JUN-1994 GH 5.15 FT. SHIFT 0.01 FT. MAX GH 5.15 FT. AT 2200 01-JUN-1994



RIO GRANDE BASIN

08220000 RIO GRANDE NEAR DEL NORTE, CO

**LOCATION.**--Lat 37°41'22", long 106°27'38", in NW¼ sec. 29, T.40 N., R.5 E., Rio Grande County, Hydrologic Unit 13010001, on right bank 20 ft downstream from county highway bridge, 6.0 mi west of Del Norte, and 5 mi upstream from Pinos Creek.

**DRAINAGE AREA.**--1,320 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is 7,980.25 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Flow regulated by Beaver Creek Reservoir since 1910, Santa Maria Reservoir since 1912, Rio Grande Reservoir since 1912, and Continental Reservoir since 1925, combined capacity, 126,100 acre-ft, and by several smaller reservoirs. Transmountain diversions to drainage area upstream from station from Colorado River basin. Record is complete and reliable. Stage-discharge relation affected by ice Nov. 17-22, 28-Dec. 31, 1993; Jan. 1-Mar. 10, 1994. Record is good except for ice affected periods which are fair. Station maintained and records developed by Div. III staff.

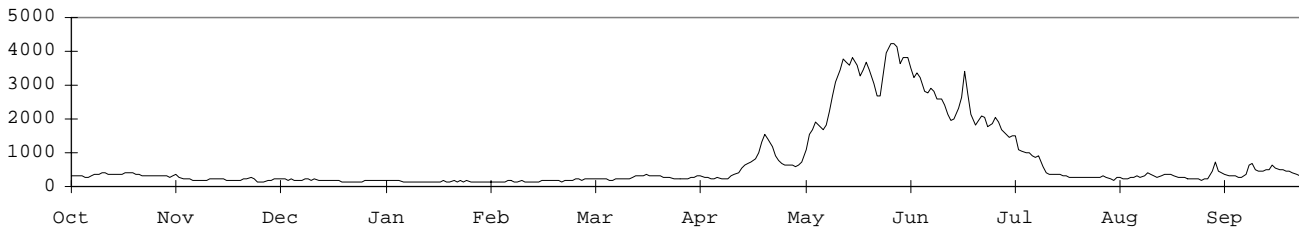
**RATING TABLE.**--RIODELCO03 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	310	362	240	160	120	200	250	658	4220	2030	272	223
2	303	281	230	180	120	210	272	624	4140	1890	303	235
3	306	235	230	180	130	220	272	611	3620	1700	276	470
4	296	231	190	180	150	220	303	622	3820	1590	209	718
5	292	218	210	200	150	220	305	729	3800	1460	189	464
6	284	176	190	170	150	220	259	1080	3500	1510	262	397
7	306	175	190	150	160	220	255	1560	3210	1510	252	370
8	365	187	190	140	170	210	246	1700	3380	1100	231	337
9	364	179	220	140	150	200	243	1900	3210	1050	238	309
10	395	186	210	150	140	200	253	1810	2820	1020	257	298
11	397	223	200	150	160	218	240	1660	2790	986	265	284
12	380	246	240	150	150	217	227	1830	2910	900	309	283
13	365	221	200	150	140	209	244	2210	2810	849	282	380
14	365	240	160	140	140	229	307	2680	2600	887	332	623
15	386	213	160	150	150	249	356	3080	2610	569	407	665
16	370	191	160	150	150	272	394	3440	2400	428	341	518
17	388	169	160	140	160	296	525	3760	2150	366	300	474
18	417	185	160	150	180	298	628	3660	1970	349	293	476
19	387	190	160	160	160	333	690	3580	2020	359	309	484
20	365	200	130	150	160	365	737	3810	2310	362	386	519
21	360	210	120	150	160	325	839	3600	2640	339	364	618
22	336	250	130	160	160	334	1010	3260	3420	314	357	551
23	321	285	130	150	150	333	1300	3460	2750	286	315	509
24	309	221	140	160	170	296	1560	3680	2150	285	275	484
25	296	149	140	150	190	285	1400	3470	1820	291	264	457
26	318	115	140	160	190	259	1160	3040	1950	281	256	435
27	305	158	160	150	210	259	929	2700	2100	264	227	398
28	307	170	170	140	210	209	762	2660	2040	260	218	357
29	325	190	170	140	---	227	689	3340	1790	268	217	334
30	287	210	160	130	---	226	643	3960	1850	260	216	328
31	324	---	160	120	---	235	---	4240	---	268	201	---
TOTAL	10529	6266	5450	4750	4430	7794	17298	78414	82800	24031	8623	12998
MEAN	340	209	176	153	158	251	577	2529	2760	775	278	433
AC-FT	20880	12430	10810	9420	8790	15460	34310	155500	164200	47670	17100	25780
MAX	417	362	240	200	210	365	1560	4240	4220	2030	407	718
MIN	284	115	120	120	120	200	227	611	1790	260	189	223

CAL YR 1993 TOTAL 330533 MEAN 906 MAX 5140 MIN 115 AC-FT 655600  
WTR YR 1994 TOTAL 263383 MEAN 722 MAX 4240 MIN 115 AC-FT 522400

MAX DISCH 4604 CFS AT 0730 31-MAY-1994 GH 4.11 FT. SHIFT 0.06 FT. MAX GH 4.11 FT. AT 0730 31-MAY-1994



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 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry on rectangular concrete box control. Altitude of gage is 8,480 ft. from topographic map.

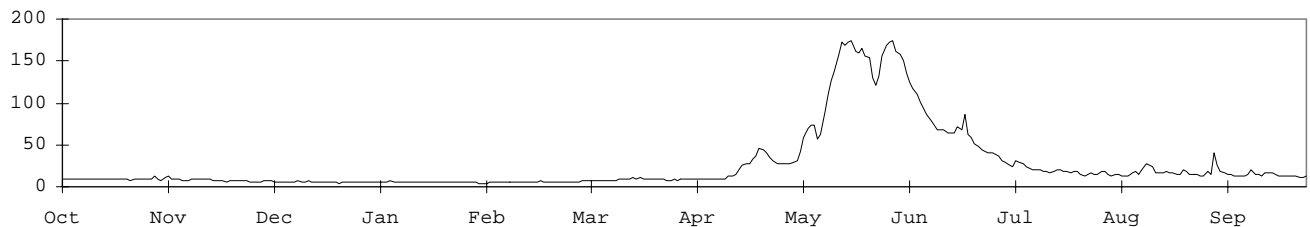
**REMARKS.**--Several small diversions above station. Record is complete and reliable except for the following periods: Nov. 7-10, 1993 and Mar. 27-Apr. 1, 1994 when the floats were frozen, and Nov. 11, 1993-Mar. 22, 1994 when the station was closed for the winter. Stage-discharge relation was affected by ice Oct. 30-31; Nov. 5-6, 1993 and Apr. 6, 1994. Record good except for periods of no gage-height record, and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

**RATING TABLE.**--PINDELCO14 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	12	6.8	5.4	4.4	6.2	9.0	27	175	39	18	18
2	9.1	9.6	6.4	6.0	4.4	6.6	9.2	27	161	36	18	14
3	9.1	9.1	6.4	6.0	4.8	7.4	9.3	29	157	32	14	40
4	9.1	9.1	5.8	6.0	5.4	7.4	9.9	31	150	29	13	26
5	9.1	7.9	6.2	7.0	5.6	7.4	9.3	43	135	26	14	19
6	8.7	7.6	5.8	6.0	5.4	7.2	8.7	58	125	24	15	16
7	9.6	8.0	5.8	5.6	6.0	7.0	9.1	70	118	31	13	15
8	9.6	8.6	5.8	5.2	6.2	7.4	8.8	73	110	30	12	14
9	10	8.6	6.8	5.2	5.6	7.0	8.9	74	101	28	12	13
10	10	8.6	6.4	5.6	5.4	7.0	8.7	57	94	23	16	13
11	9.1	9.0	6.4	5.4	6.0	7.6	8.7	63	86	22	19	12
12	8.7	9.0	7.2	5.8	5.6	8.0	8.8	89	78	21	15	13
13	8.7	8.4	6.4	5.6	5.0	8.4	10	110	74	20	21	15
14	8.7	7.2	5.6	5.4	5.0	9.6	12	126	67	20	28	21
15	8.7	6.8	5.6	5.8	5.6	10	13	137	68	19	25	15
16	8.7	6.8	5.6	5.8	5.4	9.6	15	158	67	18	24	14
17	9.1	6.8	5.6	5.2	5.8	11	21	173	64	17	17	13
18	8.7	6.4	5.6	5.4	6.6	10	26	169	64	18	16	16
19	8.3	6.8	5.6	6.0	5.6	11	27	172	65	20	16	16
20	8.3	6.8	4.6	5.6	5.6	10	28	175	71	21	18	17
21	7.9	6.8	4.2	5.6	5.6	9.6	33	162	67	18	16	15
22	8.3	7.2	4.6	6.0	5.6	9.2	37	160	87	18	16	13
23	8.7	8.2	4.6	5.8	5.2	9.1	45	165	62	16	14	12
24	8.7	7.4	5.0	6.0	5.6	9.1	44	156	59	19	14	12
25	8.7	6.2	4.8	5.6	6.0	8.7	40	154	52	19	20	12
26	9.6	5.6	5.2	6.2	6.0	8.7	34	131	47	15	19	12
27	8.3	6.0	5.6	5.8	6.4	7.4	31	121	44	13	15	12
28	12	6.4	6.0	5.4	6.4	7.8	28	133	42	15	14	11
29	10	6.6	5.8	5.4	---	8.4	28	156	41	17	14	11
30	7.5	6.8	5.4	5.0	---	8.0	27	168	41	14	13	12
31	11	---	5.4	4.4	---	8.6	---	173	---	14	13	---
TOTAL	281.1	230.3	177.0	175.2	156.2	260.4	607.4	3540	2572	672	512	462
MEAN	9.07	7.68	5.71	5.65	5.58	8.40	20.2	114	85.7	21.7	16.5	15.4
AC-FT	558	457	351	348	310	517	1200	7020	5100	1330	1020	916
MAX	12	12	7.2	7.0	6.6	11	45	175	175	39	28	40
MIN	7.5	5.6	4.2	4.4	4.4	6.2	8.7	27	41	13	12	11
CAL YR 1993 TOTAL		11426.9	MEAN	31.3	MAX	270	MIN	4.2	AC-FT	22670		
WTR YR 1994 TOTAL		9645.6	MEAN	26.4	MAX	175	MIN	4.2	AC-FT	19130		

MAX DISCH 221 CFS AT 2115 17-MAY-1994 GH 2.11 FT. SHIFT 0.13 FT. MAX GH 2.11 FT. AT 2115 17-MAY-1994



RIO GRANDE BASIN

082215000 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 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Datum of gage is 7,654.16 ft., Colorado State Highway Datum.

**REMARKS.**--Diversions above station for irrigation of about 90,000 acres. Flow regulated by Beaver Creek, Santa Maria, Rio Grande, and Continental Reservoirs, combined capacity 126,100 acre-ft, and by several smaller reservoirs. Transmountain diversions to drainage area above station from Colorado River basin. Record is complete and reliable except for the following periods: Dec. 29, 1993-Mar. 4, 1994 when the station was closed for the winter; Aug. 15, 1994 when the pen was not inking and there was insufficient satellite data. Stage-discharge relation affected by ice Nov. 29-Dec. 2, 8-28, 1993; Mar. 5-13, 1994. Record is good except for periods of ice affected record and no gage-height record which is fair. Station maintained and records developed by Division III Hydrographic staff.

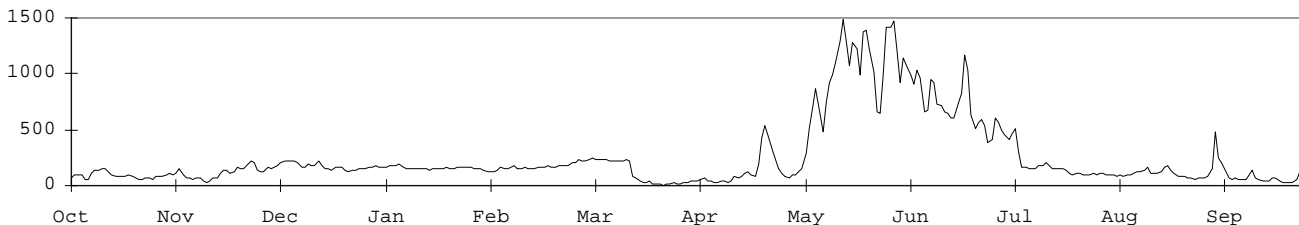
**RATING TABLE.**--RIOMONCO17 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	111	185	165	130	225	29	63	1470	604	104	74
2	102	147	210	165	130	220	42	91	1210	558	112	89
3	103	92	214	180	130	235	40	102	921	499	101	145
4	102	66	215	180	140	245	38	127	1140	452	92	475
5	53	68	220	180	160	240	49	147	1040	411	92	248
6	58	57	221	195	155	240	72	289	996	468	88	213
7	114	64	210	170	155	235	36	519	911	506	95	153
8	137	74	170	150	165	235	35	694	1030	303	85	75
9	138	44	170	145	175	225	33	870	969	168	93	57
10	149	26	195	145	155	215	32	717	662	159	99	71
11	150	40	180	150	145	215	38	484	671	150	106	59
12	121	73	175	150	165	225	35	747	949	150	127	52
13	91	71	215	150	155	225	31	928	921	154	130	53
14	83	105	180	150	150	228	41	986	733	176	132	93
15	84	133	145	140	150	219	88	1100	709	174	168	141
16	81	131	145	150	160	86	64	1290	661	202	114	71
17	81	116	140	150	160	74	84	1480	652	179	114	54
18	98	118	165	145	170	41	108	1300	601	152	112	43
19	80	161	165	150	185	31	126	1080	611	152	129	45
20	67	157	165	160	170	24	102	1280	746	153	161	40
21	60	152	140	155	170	37	87	1220	824	153	177	67
22	55	174	130	155	175	16	193	984	1170	135	139	68
23	69	222	140	165	180	12	425	1370	1030	106	116	48
24	64	208	140	160	175	8.8	539	1390	635	103	89	34
25	61	139	145	165	185	5.5	448	1230	511	107	84	28
26	77	121	145	160	205	11	321	1020	567	112	84	24
27	83	123	145	170	210	18	240	663	598	101	71	28
28	78	165	160	155	230	22	150	640	542	94	63	53
29	93	145	170	150	---	18	107	992	384	97	61	117
30	111	165	175	150	---	17	76	1420	418	104	66	126
31	101	---	165	140	---	28	---	1420	---	97	63	---
TOTAL	2810	3468	5340	4895	4635	3876.3	3709	26643	24282	6979	3267	2844
MEAN	90.6	116	172	158	166	125	124	859	809	225	105	94.8
AC-FT	5570	6880	10590	9710	9190	7690	7360	52850	48160	13840	6480	5640
MAX	150	222	221	195	230	245	539	1480	1470	604	177	475
MIN	53	26	130	140	130	5.5	29	63	384	94	61	24

CAL YR 1993 TOTAL 116315 MEAN 319 MAX 2130 MIN 16 AC-FT 230700  
WTR YR 1994 TOTAL 92748.3 MEAN 254 MAX 1480 MIN 5.5 AC-FT 184000

MAX DISCH 1790 CFS AT 2145 22-JUN-1994 GH 5.28 FT. SHIFT 0.03 FT. MAX GH 5.28 FT. AT 2145 22-JUN-1994



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 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Datum of gage is 7,595 feet, from topographic map.

**REMARKS.**--Station re-established in April 1993. Flow regulated by Beaver Creek, Santa Maria, Rio Grande, and Continental Reservoirs. Transmountain diversions to drainage area above station from Colorado River basin. Record is complete and reliable except for the following periods: Dec. 16-28, 1993 when the well was frozen. Dec. 29, 1993-Mar. 4, 1994 when the station was closed for the winter. Record is good except for periods of no gage-height record which is fair. Station maintained and records developed by Division III Hydrographic Staff.

**RATING TABLE.**--RIOLINCO04 USED FROM 01-OCT-1993 TO 30-SEP-1994

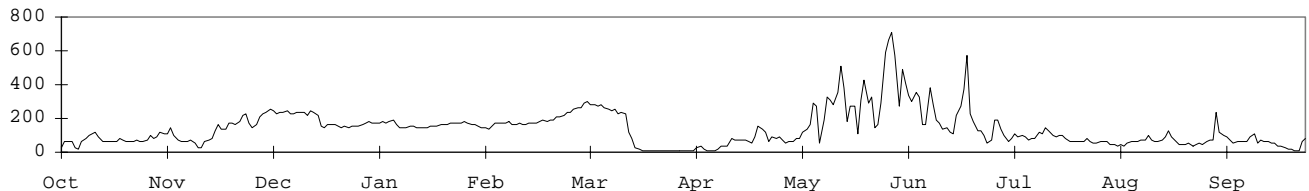
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	107	252	175	150	260	5.8	57	705	192	60	62
2	60	148	248	175	150	265	5.8	62	573	189	64	75
3	64	96	226	185	140	295	6.2	67	273	136	60	72
4	67	69	237	175	155	300	5.1	78	495	98	49	239
5	28	68	238	180	170	278	26	79	412	61	45	114
6	19	62	242	190	170	282	36	122	339	80	37	103
7	64	66	229	165	170	275	14	140	304	106	46	93
8	84	70	229	150	175	280	7.0	165	351	91	35	72
9	96	52	235	150	180	267	5.9	288	330	103	52	59
10	107	27	236	150	165	258	5.3	272	163	92	62	67
11	120	30	239	155	160	246	21	51	162	76	64	64
12	91	64	216	155	170	252	39	195	385	81	68	62
13	68	76	248	150	165	231	34	327	281	86	74	63
14	62	85	233	150	165	235	38	306	192	122	71	90
15	65	129	218	145	175	224	78	283	170	107	104	107
16	66	164	155	150	175	117	70	355	134	142	69	59
17	65	138	145	155	175	82	72	506	150	128	62	72
18	82	138	165	155	185	28	76	380	121	100	60	61
19	74	173	165	155	195	14	72	180	112	91	69	62
20	66	171	165	160	180	11	62	273	216	99	95	57
21	62	164	155	165	190	11	53	272	276	101	124	51
22	61	184	145	165	195	10	89	110	369	81	89	35
23	70	216	155	175	210	7.8	151	305	572	64	65	39
24	68	225	150	175	210	7.3	140	429	231	60	47	25
25	66	177	155	175	215	7.0	117	292	178	63	42	15
26	76	147	155	175	235	6.5	61	329	130	67	50	16
27	97	160	155	185	240	6.8	87	148	129	62	52	13
28	83	205	165	170	255	6.4	86	163	96	78	38	12
29	90	224	170	160	---	6.2	89	288	59	60	46	60
30	116	232	180	160	---	5.6	70	594	71	59	57	79
31	112	---	175	155	---	5.7	---	668	---	57	46	---
TOTAL	2277	3867	6081	5085	5120	4280.3	1622.1	7784	7979	2932	1902	1998
MEAN	73.5	129	196	164	183	138	54.1	251	266	94.6	61.4	66.6
AC-FT	4520	7670	12060	10090	10160	8490	3220	15440	15830	5820	3770	3960
MAX	120	232	252	190	255	300	151	668	705	192	124	239
MIN	19	27	145	145	140	5.6	5.1	51	59	57	35	12

CAL YR 1993 TOTAL N/A

WTR YR 1994 TOTAL 50927.4 MEAN 140 MAX 705 MIN 5.1 AC-FT 101000

MAX DISCH 932 CFS AT 1830 01-JUN-1994 GH 5.07 FT. SHIFT 0.07 FT. MAX GH 5.07 FT. AT 1830 01-JUN-1994



RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO

**LOCATION.**--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on right bank 0.2 mile northwest of city limits of Alamosa and 9 miles upstream from Alamosa Creek.

**DRAINAGE AREA.**--1,710 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in a timber shelter and well. Datum of gage is 7,532.66 ft.

**REMARKS.**--Record is complete and reliable except for Dec. 26, 1993-Jan. 3, 1994 when the well was frozen; Mar. 12-15; Jun. 4-5, 9, 1994 when the inlet was plugged; Jul. 5, 1994 when the clock stopped and the satellite data was unreliable; Aug. 26-31; Sep. 1, 23-30, 1994 when the gage was isolated; Jan. 7-Mar. 3, 1994 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 17-23, 25-30; Dec. 1-25, 1993; Jan. 4-6; Mar. 4, 1994. Record is good except for periods of no gage-height and ice affected record which are fair. Station maintained and records developed by Div. III staff.

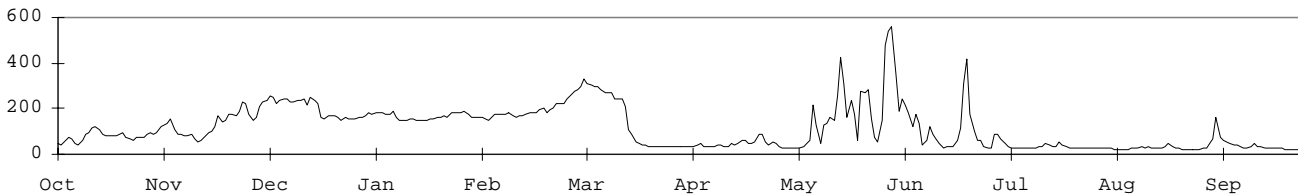
**RATING TABLE.**--RIOALACO21 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	127	235	175	165	275	32	29	541	27	25	25
2	42	133	255	180	160	280	32	27	557	89	24	28
3	55	157	250	180	155	295	32	28	350	91	24	45
4	72	108	225	185	150	330	32	27	187	69	24	65
5	65	88	235	175	165	311	33	27	240	49	24	159
6	47	85	240	175	175	301	39	27	219	35	23	75
7	42	78	245	190	175	300	45	35	182	29	23	64
8	64	81	230	160	175	296	37	44	119	28	23	55
9	87	85	230	150	175	280	33	62	174	26	23	45
10	96	69	235	150	180	273	32	218	135	26	23	38
11	113	57	235	150	170	271	32	128	41	26	24	39
12	124	60	240	155	160	270	38	44	58	24	24	37
13	105	84	215	155	170	240	40	129	121	25	25	30
14	86	93	250	150	170	245	35	136	88	27	32	30
15	79	103	235	150	175	245	33	161	66	32	30	37
16	80	122	225	145	180	207	46	151	44	33	36	45
17	81	170	160	150	180	107	42	259	24	44	27	32
18	80	140	155	155	180	85	44	424	31	40	24	32
19	90	145	170	155	195	55	59	313	31	35	25	29
20	95	175	170	160	200	46	58	159	31	37	26	28
21	77	175	170	165	185	40	49	233	62	57	32	28
22	68	170	160	170	195	38	44	172	117	39	45	26
23	64	190	150	165	205	37	56	58	313	31	37	24
24	71	226	160	180	220	36	86	275	421	29	30	24
25	71	220	155	180	225	36	85	269	176	28	25	23
26	72	175	155	180	225	36	52	282	98	26	23	22
27	85	150	155	180	245	36	39	155	61	25	22	21
28	92	165	160	190	255	36	52	76	59	24	22	20
29	88	210	165	175	---	35	44	53	34	25	21	19
30	97	230	170	165	---	33	34	148	30	26	22	18
31	118	---	180	165	---	32	---	478	---	25	23	---
TOTAL	2453	4071	6215	5160	5210	5107	1315	4627	4610	1127	811	1163
MEAN	79.1	136	200	166	186	165	43.8	149	154	36.4	26.2	38.8
AC-FT	4870	8070	12330	10230	10330	10130	2610	9180	9140	2240	1610	2310
MAX	124	230	255	190	255	330	86	478	557	91	45	159
MIN	42	57	150	145	150	32	32	27	24	24	21	18

CAL YR 1993 TOTAL 58197 MEAN 159 MAX 1180 MIN 16 AC-FT 115400  
WTR YR 1994 TOTAL 41869 MEAN 115 MAX 557 MIN 18 AC-FT 83050

MAX DISCH 653 CFS AT 1030 02-JUN-1994 GH 4.02 FT. SHIFT -0.34 FT. MAX GH 4.27 FT. AT 1445 25-NOV-1993





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<sub>a</sub> and H<sub>b</sub> in 8x10 ft. building with concrete stilling wells and satellite telemetry at 12' Parshall flume.

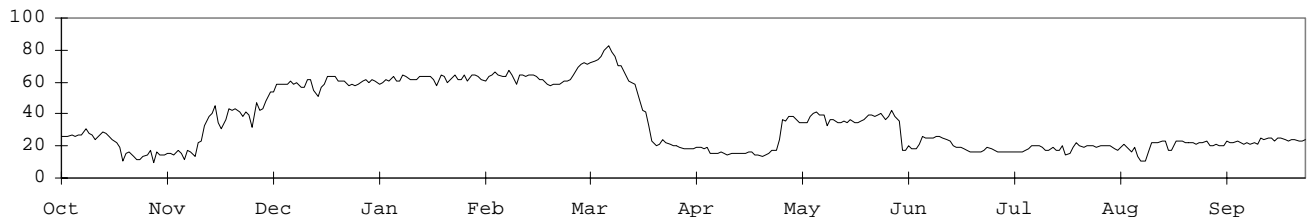
**REMARKS.**--Record is complete and reliable. Record is good. Station maintained and records developed by Division III Hydrographic staff.

**RATING TABLE.**--CBPALACO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	15	54	61	62	69	18	36	42	17	20	23
2	26	15	54	59	61	71	18	38	38	16	20	20
3	26	14	59	60	63	72	18	38	36	16	20	20
4	27	17	59	62	64	71	18	37	17	16	20	21
5	26	15	59	61	66	72	19	35	17	16	18	20
6	27	12	59	63	64	73	19	35	20	16	17	20
7	27	17	61	61	63	74	18	35	18	16	19	23
8	31	16	59	61	63	76	19	38	18	16	21	22
9	28	13	60	64	67	80	15	40	21	16	19	22
10	27	22	57	63	64	83	15	41	26	17	16	23
11	24	23	57	62	59	79	15	39	25	18	19	22
12	26	33	62	62	64	76	16	39	25	20	13	21
13	29	38	62	62	64	70	15	33	25	20	11	22
14	28	40	55	63	63	70	14	37	26	20	11	21
15	26	45	51	63	64	64	15	37	26	19	16	22
16	24	35	57	63	64	61	15	35	25	17	22	21
17	22	31	59	63	63	60	15	35	24	17	22	25
18	19	37	63	62	62	59	15	36	23	19	22	24
19	11	43	63	58	62	49	15	35	20	17	23	25
20	15	42	63	64	59	42	16	37	19	17	23	25
21	16	43	61	63	58	41	16	35	19	20	17	23
22	13	41	61	60	59	33	14	35	18	14	17	25
23	12	38	61	62	59	23	14	36	17	15	23	25
24	12	41	58	64	59	20	13	37	16	19	23	24
25	13	39	59	62	61	21	14	39	16	22	23	23
26	14	32	58	62	61	24	15	39	16	20	22	24
27	17	47	59	64	62	22	17	38	16	19	22	24
28	9.3	42	61	61	64	21	17	39	17	20	22	23
29	16	43	62	64	---	20	24	40	19	20	21	23
30	14	48	60	64	---	20	37	37	18	20	22	24
31	14	---	62	63	---	19	---	38	---	19	22	---
TOTAL	645.3	937	1835	1926	1744	1635	509	1149	663	554	606	680
MEAN	20.8	31.2	59.2	62.1	62.3	52.7	17.0	37.1	22.1	17.9	19.5	22.7
AC-FT	1280	1860	3640	3820	3460	3240	1010	2280	1320	1100	1200	1350
MAX	31	48	63	64	67	83	37	41	42	22	23	25
MIN	9.3	12	51	58	58	19	13	33	16	14	11	20
CAL YR 1993 TOTAL	18015.3	MEAN	49.4	MAX	88	MIN	9.3	AC-FT	35730			
WTR YR 1994 TOTAL	12883.3	MEAN	35.3	MAX	83	MIN	9.3	AC-FT	25550			

MAX DISCH 84 CFS AT 2330 09-MAR-1994 GH 1.41 FT. SHIFT 0.03 FT. MAX GH 1.41 FT. AT 2330 09-MAR-1994



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

08224500 KERBER CREEK NEAR VILLA GROVE, CO

LOCATION.--Lat 38°14'28", long 106°06'57", in SW¼NW¼, sec. 17, T. 46 N., R. 8 E., Saguache County, on left bank 10 miles west of Villa Grove and 4.0 miles downstream from the town of Bonanza.

DRAINAGE AREA.--42 mi<sup>2</sup>. (approx.)

GAGE.--Water stage recorder. Altitude of gage is 8,840 ft. from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 31-Nov. 21, 1993; Mar. 21-28; Apr. 7-May 2, 1994 when the well was frozen. Nov. 22, 1993-Mar. 17, 1994 when the station was closed for the winter; Mar. 29-Apr. 6, 1994 when the clock stopped; Aug. 30, 1994 when the inlets and well were replaced. Stage-discharge relation affected by ice Mar. 18-20, 1994. Record is good except for periods of no gage-height and ice affected record which are fair to poor. Station maintained and records developed by Division III Hydrographic Staff.

RATING TABLE.--KERVILCO15 USED FROM 01-OCT-1993 TO 30-SEP-1994

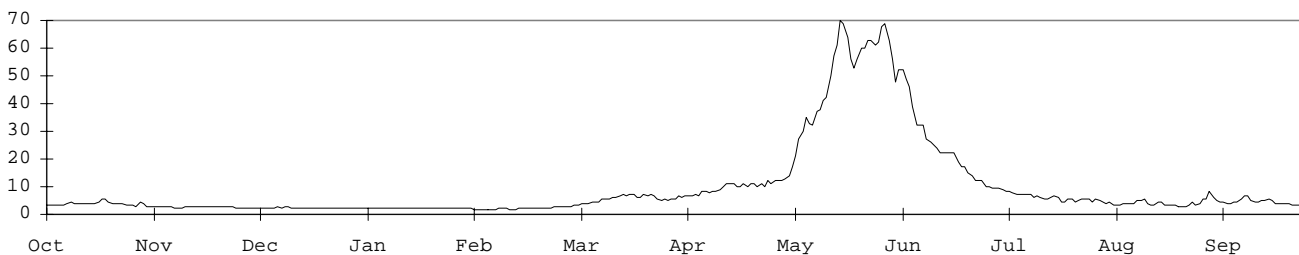
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	2.9	2.5	2.2	2.2	3.0	5.8	12	69	9.8	5.6	5.6
2	3.4	2.9	2.4	2.4	1.7	3.0	6.4	12	63	9.7	5.0	5.3
3	3.4	2.8	2.5	2.4	1.7	3.2	6.2	13	56	9.7	4.4	8.4
4	3.4	2.8	2.4	2.3	1.8	3.4	6.8	14	48	9.3	4.1	6.2
5	3.4	2.6	2.4	2.4	1.9	3.7	6.6	17	52	8.9	4.2	5.0
6	3.4	2.6	2.5	2.2	1.8	3.7	6.4	21	52	8.1	3.6	4.4
7	4.1	2.5	2.6	2.1	1.8	3.7	7.2	27	49	8.1	3.4	4.4
8	4.4	2.5	2.5	2.0	1.8	4.4	6.8	30	46	7.7	3.1	4.1
9	3.8	2.5	2.6	2.1	2.0	4.3	8.6	35	39	7.3	3.8	4.1
10	3.8	2.6	2.7	2.2	2.0	4.2	8.4	33	32	7.2	4.1	4.4
11	3.8	2.9	2.5	2.1	2.0	5.4	8.0	32	32	7.3	3.8	4.4
12	3.8	3.0	2.5	2.3	1.9	5.8	8.6	37	32	7.3	4.1	5.3
13	4.1	2.8	2.2	2.4	1.8	5.6	8.6	38	27	7.3	5.0	6.6
14	4.1	2.8	2.1	2.5	1.9	6.2	9.0	41	26	6.2	5.0	6.6
15	4.1	2.6	2.2	2.4	2.0	6.0	10	42	25	6.5	5.3	5.0
16	4.6	2.7	2.1	2.2	2.1	6.4	11	50	24	5.9	4.1	4.4
17	5.6	2.6	2.2	2.3	2.4	7.0	11	57	22	5.6	3.4	4.4
18	5.3	2.6	2.1	2.3	2.4	6.8	11	61	22	5.3	3.6	5.0
19	4.4	2.8	2.1	2.3	2.3	7.0	10	70	22	6.2	4.4	4.9
20	4.1	2.7	2.2	2.2	2.2	7.2	10	69	22	6.4	4.7	5.3
21	4.1	2.7	2.0	2.2	2.3	6.2	11	64	22	5.9	3.6	5.0
22	4.1	2.9	2.1	2.2	2.4	6.2	10	56	19	4.7	3.6	4.1
23	3.8	3.0	2.1	2.2	2.3	7.2	11	53	17	4.7	3.1	3.8
24	3.6	2.6	2.2	2.5	2.4	6.8	11	56	17	5.6	3.1	3.8
25	3.6	2.3	2.3	2.3	2.7	7.0	10	60	15	5.3	2.9	3.8
26	3.6	2.4	2.1	2.5	2.6	6.4	11	60	14	4.7	2.7	3.8
27	2.9	2.5	2.3	2.4	3.0	5.6	10	63	12	4.9	2.7	3.4
28	4.6	2.4	2.5	2.2	3.0	5.0	12	63	12	5.3	3.6	3.4
29	3.8	2.5	2.3	2.1	---	5.4	11	61	12	5.3	4.4	3.4
30	2.7	2.5	2.1	2.1	---	5.0	12	62	10	5.3	3.1	4.4
31	2.7	---	2.3	2.1	---	5.4	---	68	---	4.4	3.8	---
TOTAL	119.9	80.0	71.6	70.1	60.4	166.2	275.4	1377	910	205.9	121.3	142.7
MEAN	3.87	2.67	2.31	2.26	2.16	5.36	9.18	44.4	30.3	6.64	3.91	4.76
AC-FT	238	159	142	139	120	330	546	2730	1800	408	241	283
MAX	5.6	3.0	2.7	2.5	3.0	7.2	12	70	69	9.8	5.6	8.4
MIN	2.7	2.3	2.0	2.0	1.7	3.0	5.8	12	10	4.4	2.7	3.4

CAL YR 1993 TOTAL N/A

WTR YR 1994 TOTAL 3600.5 MEAN 9.86 MAX 70 MIN 1.7 AC-FT 7140

MAX DISCH 82 CFS AT 0200 20-MAY-1994 GH 1.45 FT. SHIFT 0.56 FT. MAX GH 1.57 FT. AT 1700 18-MAR-1994



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.

**DRAINAGE AREA.**--595 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is approximately 8,030 ft. (from topographic map).

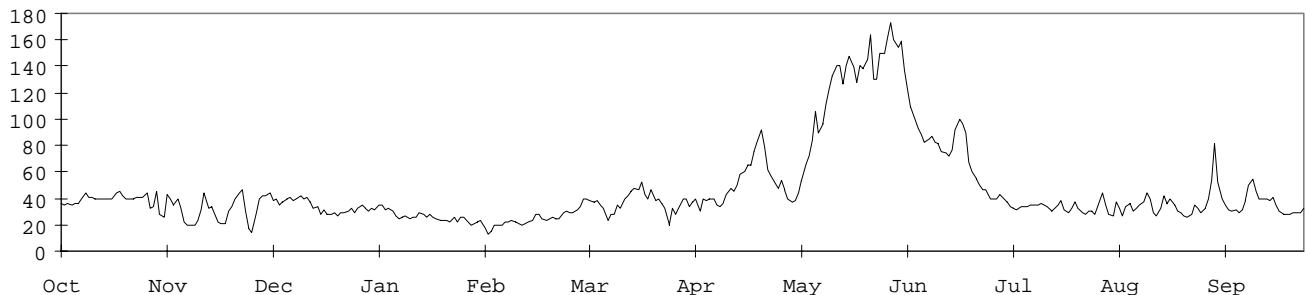
**REMARKS.**--Natural flow affected by Tarbell Ditch Transmountain Diversion and irrigation diversions above the station. Record is complete and reliable except for Feb. 1-2, 1994 when the chart clock stopped and the satellite data was not reliable. The stage-discharge relation was affected by ice Nov. 8-10, 17-22, 24-25, 29-30; Dec. 1-31, 1993; Jan. 1-31; Feb. 3-28; Mar. 1-5, 1994. Record good except for periods of ice affect and no gage-height record which are fair. Station maintained and records developed by Div. III staff.

**RATING TABLE.**--SAGSAGC015 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	43	44	31	23	31	40	46	173	39	37	33
2	35	40	38	35	17	34	40	40	160	39	44	40
3	36	35	40	35	13	40	34	37	154	43	35	54
4	35	39	35	31	15	39	37	38	159	41	28	81
5	36	33	37	33	20	38	40	44	137	37	27	52
6	36	22	39	30	20	37	30	54	122	34	37	39
7	39	20	41	27	20	38	40	66	109	32	32	35
8	44	20	38	24	22	35	38	72	100	31	27	31
9	41	20	40	26	22	32	39	84	93	34	34	30
10	41	23	42	27	23	23	40	106	88	34	36	31
11	39	31	39	24	22	28	35	89	83	34	30	29
12	39	44	41	25	21	28	34	96	85	35	32	31
13	40	33	37	26	20	35	36	111	87	35	35	38
14	39	34	32	29	21	33	43	123	82	35	37	50
15	40	28	34	28	22	40	48	132	81	36	44	55
16	40	22	28	25	23	42	45	141	76	35	40	45
17	44	21	31	28	28	45	50	140	74	34	29	40
18	45	21	28	26	28	48	58	127	72	30	27	40
19	42	30	28	24	24	46	60	140	77	32	32	40
20	40	34	29	23	23	52	65	148	92	35	42	38
21	40	40	27	23	24	43	65	139	100	38	36	41
22	40	44	29	23	25	40	75	128	96	31	40	35
23	41	46	29	22	24	46	82	141	89	29	35	30
24	41	30	30	25	24	38	92	138	67	33	30	28
25	41	18	32	22	29	39	79	145	60	37	29	28
26	44	14	29	26	30	36	61	164	55	32	27	28
27	33	29	32	25	29	33	57	130	50	29	25	29
28	34	40	35	23	29	20	51	130	47	28	28	29
29	45	42	32	20	---	32	48	150	46	30	35	29
30	28	42	30	21	---	28	54	150	40	30	33	32
31	26	---	32	22	---	32	---	162	---	28	29	---
TOTAL	1200	938	1058	809	641	1131	1516	3411	2754	1050	1032	1141
MEAN	38.7	31.3	34.1	26.1	22.9	36.5	50.5	110	91.8	33.9	33.3	38.0
AC-FT	2380	1860	2100	1600	1270	2240	3010	6770	5460	2080	2050	2260
MAX	45	46	44	35	30	52	92	164	173	43	44	81
MIN	26	14	27	20	13	20	30	37	40	28	25	28
CAL YR 1993 TOTAL		24764	MEAN	67.8	MAX	377	MIN	14	AC-FT	49120		
WTR YR 1994 TOTAL		16681	MEAN	45.7	MAX	173	MIN	13	AC-FT	33090		

MAX DISCH 189 CFS AT 2200 01-JUN-1994 GH 2.51 FT. SHIFT -0.08 FT. MAX GH 2.51 FT. AT 2200 01-JUN-1994



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 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,360 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 17, 1993 when the pen was not inking; Nov. 25-28; Dec. 13-20, 1993 when the float was frozen; Dec. 21, 1993-Mar. 17, 1994 when the station was closed for the winter; Mar. 28-Apr. 6, 15-29; May 5, 7-9, 11-15, 17, 20, 22, 24-25 when the clock stopped. Stage-discharge relation affected by ice Nov. 16, 24, 29-30, 1993. Stage determined by once daily readings on May 6, 10, 16, 18-19, 21, 23, and 26, 1994. Record is good except for periods of no gage-height record and ice affected record which is fair. Station maintained and records developed by Division III Hydrographic staff.

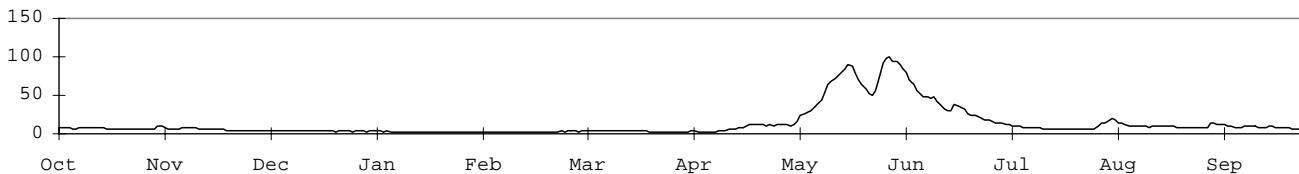
RATING TABLE.--NOCRES009 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	7.4	4.0	3.1	2.1	3.1	2.8	12	101	17	10	7.7
2	7.7	6.4	4.0	3.3	1.8	3.0	3.0	12	95	15	14	8.5
3	7.7	6.7	3.8	3.2	1.8	3.1	2.9	11	95	15	15	14
4	7.4	6.4	3.6	3.0	1.9	3.2	3.2	12	90	14	17	14
5	7.0	6.2	3.6	3.2	2.2	3.3	3.1	17	85	13	21	13
6	7.0	8.6	3.6	2.4	2.1	3.3	2.9	24	80	12	18	13
7	8.4	8.0	3.6	2.2	2.1	3.2	3.0	26	70	10	15	12
8	8.0	7.4	3.6	2.1	2.3	3.6	2.8	28	64	9.8	14	10
9	8.4	7.4	3.4	2.1	2.3	3.4	2.8	31	57	9.4	13	9.8
10	8.0	8.0	3.4	2.2	2.3	3.2	2.8	35	53	8.8	10	8.8
11	7.7	5.9	3.4	2.1	2.2	3.3	2.8	38	49	8.8	9.8	8.4
12	7.7	5.9	3.4	2.2	2.1	3.5	3.6	44	48	8.8	9.8	7.7
13	7.4	5.6	3.3	2.3	1.9	3.4	3.6	54	46	8.0	9.1	9.3
14	7.4	5.6	3.1	2.4	2.0	3.6	4.4	64	48	7.7	10	11
15	7.0	5.6	3.3	2.3	2.1	3.4	5.2	68	43	7.4	9.1	10
16	6.7	5.8	3.1	2.1	2.2	3.5	6.2	72	38	7.0	8.8	9.4
17	7.0	5.4	3.3	2.3	2.6	3.6	7.0	76	33	6.2	9.9	8.8
18	6.7	5.2	3.1	2.3	2.6	3.6	7.4	80	31	6.4	11	8.8
19	6.7	5.0	3.1	2.2	2.4	3.6	8.4	85	31	7.0	10	8.4
20	6.7	5.0	3.2	2.2	2.3	3.6	9.6	90	38	7.0	11	9.1
21	6.4	4.8	3.0	2.2	2.6	3.2	12	88	37	6.7	10	9.1
22	6.7	4.8	3.1	2.2	2.8	3.4	12	78	34	6.7	9.4	8.4
23	6.4	4.8	3.1	2.1	2.5	3.0	13	70	32	6.2	9.1	8.0
24	6.4	4.6	3.2	2.4	2.7	2.8	13	64	27	6.2	8.8	7.7
25	6.4	4.3	3.3	2.2	3.2	2.6	12	58	25	6.2	8.7	7.7
26	6.2	4.2	3.0	2.3	3.0	2.4	11	52	24	5.6	8.8	7.4
27	6.7	4.1	3.2	2.3	3.1	2.4	12	51	22	6.2	7.7	7.0
28	6.4	4.1	3.4	2.2	3.1	2.3	11	57	21	7.0	8.0	6.7
29	6.4	4.1	3.2	2.0	---	2.5	12	70	19	7.0	8.0	6.4
30	9.1	4.0	3.0	2.0	---	2.4	12	93	18	6.7	7.4	7.0
31	9.4	---	3.2	2.0	---	2.6	---	98	---	6.4	7.7	---
TOTAL	225.1	171.3	103.6	73.1	66.3	97.1	207.5	1658	1454	269.2	339.1	277.1
MEAN	7.26	5.71	3.34	2.36	2.37	3.13	6.92	53.5	48.5	8.68	10.9	9.24
AC-FT	446	340	205	145	132	193	412	3290	2880	534	673	550
MAX	9.4	8.6	4.0	3.3	3.2	3.6	13	98	101	17	21	14
MIN	6.2	4.0	3.0	2.0	1.8	2.3	2.8	11	18	5.6	7.4	6.4

CAL YR 1993 TOTAL 5874.7 MEAN 16.1 MAX 98 MIN 1.8 AC-FT 11650  
WTR YR 1994 TOTAL 4941.4 MEAN 13.5 MAX 101 MIN 1.8 AC-FT 9800

MAX DISCH 114 CFS AT 2330 31-MAY-1994 GH 2.15 FT. SHIFT 0.00 FT. MAX GH 2.15 FT. AT 2330 31-MAY-1994



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 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder. Datum of gage is 8,150 ft. from topographic map.

**REMARKS.**--Record is complete and reliable except for the following periods: Oct. 30-31; Nov. 1, 6-18, 1993 when the well was frozen; Nov. 19,1993-Mar. 17, 1994 when the station was closed for the winter; Mar. 26-Apr. 6, 1994 when the pen was not inking. Stage-discharge relation was ice affected Oct. 29; Nov. 2-5, 1993; Mar. 18-25; Apr. 7-8, 1994. Record is good except for periods of no gage-height record and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

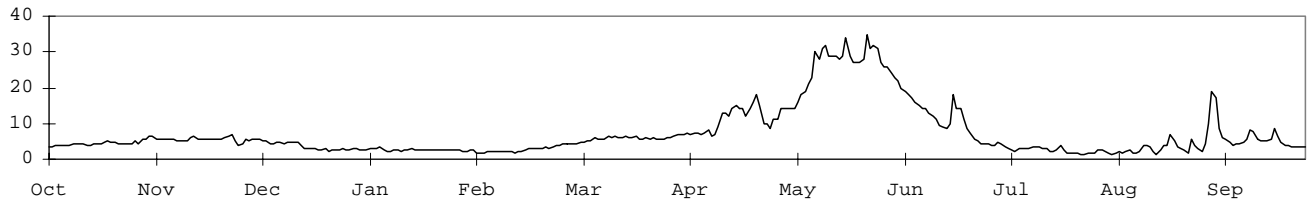
**RATING TABLE.**--CARLAGCO14 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	5.8	5.8	2.6	2.4	4.2	6.8	14	26	4.0	2.4	4.1
2	3.4	5.8	5.0	3.2	1.9	4.2	7.0	14	24	4.0	2.6	9.7
3	3.8	5.6	5.2	3.2	1.7	4.4	6.8	14	23	4.8	2.0	19
4	3.8	5.6	4.4	3.0	1.8	4.6	7.2	14	22	4.2	1.6	17
5	3.8	5.4	4.5	3.4	2.0	4.8	7.0	14	20	3.6	1.4	8.6
6	3.8	5.4	4.6	2.7	2.0	5.0	7.2	16	19	3.0	1.8	6.2
7	4.0	5.2	4.8	2.3	2.0	5.0	7.2	18	18	2.6	2.0	5.8
8	4.5	5.2	4.5	2.1	2.2	6.0	7.0	19	17	2.2	1.6	4.8
9	4.5	5.0	4.6	2.4	2.2	5.6	7.2	21	16	3.0	2.0	3.8
10	4.5	5.2	4.9	2.6	2.2	5.6	8.0	23	15	3.0	2.6	4.2
11	4.2	6.2	4.6	2.2	2.1	5.8	6.6	30	14	2.8	1.8	4.2
12	4.0	6.6	4.7	2.4	2.0	6.4	6.8	28	14	2.8	1.9	4.8
13	4.0	5.8	4.0	2.5	1.9	6.2	8.9	31	13	3.4	2.0	5.8
14	4.2	5.8	2.9	2.8	2.1	6.6	13	32	12	3.4	3.8	8.2
15	4.2	5.6	3.0	2.6	2.3	6.0	13	29	11	3.4	4.0	7.6
16	4.2	5.8	2.8	2.4	2.6	6.2	12	29	9.6	3.2	3.6	5.8
17	4.8	5.4	2.9	2.7	3.2	6.6	14	29	9.0	2.8	2.0	5.0
18	5.3	5.4	2.7	2.6	3.2	6.0	15	28	8.6	2.2	1.5	5.2
19	4.8	5.6	2.7	2.6	2.9	6.2	14	29	10	2.0	2.7	5.2
20	4.8	5.6	2.8	2.6	2.8	6.4	14	34	18	2.4	4.0	5.8
21	4.2	6.0	2.2	2.6	3.0	5.8	12	29	14	3.8	3.8	8.6
22	4.5	6.4	2.6	2.6	3.3	5.8	14	27	14	2.4	6.8	6.5
23	4.5	6.8	2.6	2.5	3.2	6.0	16	27	11	1.6	5.0	4.8
24	4.2	5.2	2.7	2.6	3.3	5.8	18	27	8.6	1.9	3.4	4.0
25	4.2	3.7	2.8	2.5	4.0	6.0	15	28	7.2	1.8	2.8	3.8
26	5.0	4.4	2.5	2.6	3.8	5.8	10	35	5.8	1.7	2.6	3.6
27	4.5	5.4	2.7	2.5	4.1	5.6	10	31	5.0	1.3	1.8	3.6
28	5.5	5.0	3.1	2.4	4.2	5.4	8.5	32	4.5	1.3	5.4	3.4
29	5.8	5.4	2.8	2.2	---	6.2	11	31	4.5	1.7	4.0	3.4
30	6.6	5.6	2.5	2.3	---	6.0	11	27	4.2	1.9	2.8	3.4
31	6.4	---	2.7	2.4	---	6.4	---	26	---	1.7	2.2	---
TOTAL	139.4	165.9	110.6	80.1	74.4	176.6	314.2	786	398.0	83.9	87.9	185.9
MEAN	4.50	5.53	3.57	2.58	2.66	5.70	10.5	25.4	13.3	2.71	2.84	6.20
AC-FT	276	329	219	159	148	350	623	1560	789	166	174	369
MAX	6.6	6.8	5.8	3.4	4.2	6.6	18	35	26	4.8	6.8	19
MIN	3.4	3.7	2.2	2.1	1.7	4.2	6.6	14	4.2	1.3	1.4	3.4

CAL YR 1993 TOTAL 3597.7 MEAN 9.86 MAX 58 MIN 2.2 AC-FT 7140  
WTR YR 1994 TOTAL 2602.9 MEAN 7.13 MAX 35 MIN 1.3 AC-FT 5160

MAX DISCH 39 CFS AT 0445 11-MAY-1994 GH 2.61 FT. SHIFT -0.14 FT. MAX GH 2.61 FT. AT 0445 11-MAY-1994



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO

LOCATION.--Lat 37°48'48", long 106°19'04", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 4.5 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

DRAINAGE AREA.--61 mi<sup>2</sup>.

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,030 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 16-18, 1993 when the well was frozen; Nov. 19, 1993-Mar. 17, 1994 when the station was closed for the winter. Stage-discharge relation affected by ice Oct. 27-Nov. 15, 1993. Record is good except for periods of no gage-height and ice-affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

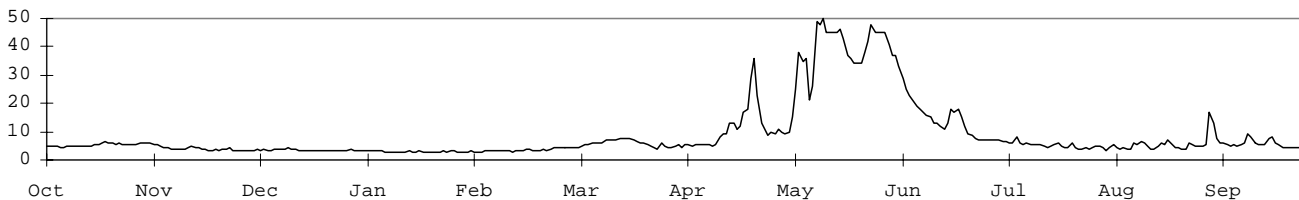
RATING TABLE.--LAGLAGCO12 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	5.4	3.7	3.2	3.2	4.4	4.9	11	45	7.0	4.7	5.0
2	4.7	5.2	3.4	3.4	2.7	4.4	5.3	10	41	7.3	5.0	5.6
3	4.7	4.8	3.6	3.4	2.6	4.4	4.6	9.5	37	7.3	4.1	17
4	4.7	4.6	3.3	3.2	2.8	4.6	5.6	10	37	7.3	3.4	13
5	4.4	4.2	3.5	3.4	3.1	5.0	5.6	15	33	6.6	4.4	7.7
6	4.4	4.0	3.7	3.2	3.1	5.2	4.9	25	29	6.6	5.6	6.2
7	4.7	3.8	3.9	2.9	3.1	5.2	5.2	38	25	5.9	4.4	5.9
8	4.7	3.8	3.7	2.7	3.3	6.0	5.3	35	23	6.2	3.8	5.3
9	5.0	3.7	3.9	2.8	3.3	5.8	5.3	36	21	8.1	4.4	5.0
10	5.0	3.8	4.1	2.9	3.3	5.8	5.6	21	19	6.2	3.8	5.3
11	5.0	4.2	3.8	2.7	3.2	6.2	5.3	26	18	5.6	3.8	5.0
12	5.0	4.7	3.9	2.8	3.1	7.0	5.0	49	17	5.9	6.2	5.3
13	5.0	4.3	3.5	2.9	2.9	6.8	5.6	48	16	5.6	5.3	6.2
14	5.0	4.1	3.2	3.0	3.0	7.2	8.1	50	15	5.3	6.6	9.5
15	5.3	3.8	3.4	2.9	3.2	7.0	9.5	45	13	5.3	5.9	8.1
16	5.3	3.9	3.2	2.7	3.3	7.4	9.0	45	13	5.3	4.7	5.9
17	6.1	3.5	3.4	3.0	3.6	7.8	13	45	12	4.7	3.6	5.3
18	6.6	3.5	3.2	2.9	3.6	7.8	13	45	11	4.4	3.6	5.3
19	5.9	3.6	3.2	2.9	3.4	7.5	11	46	13	4.7	4.7	5.3
20	5.9	3.5	3.3	2.9	3.3	7.3	12	43	18	5.6	5.9	7.7
21	5.3	3.7	3.0	2.9	3.5	6.4	17	37	17	5.9	5.6	8.1
22	5.9	3.9	3.2	2.9	3.7	6.2	18	36	18	4.7	7.3	6.2
23	5.3	4.1	3.2	2.8	3.5	5.8	29	34	15	4.1	5.3	5.3
24	5.4	3.4	3.4	3.0	3.7	5.2	36	34	12	4.4	4.4	4.4
25	5.3	3.0	3.5	2.9	4.4	5.0	23	34	9.5	5.9	4.4	4.4
26	5.6	3.2	3.2	3.2	4.3	4.3	13	38	8.5	4.4	3.8	4.4
27	5.6	3.5	3.4	3.1	4.4	4.0	11	42	7.7	3.8	3.8	4.1
28	5.8	3.3	3.6	2.9	4.4	6.0	8.6	48	7.3	3.8	5.9	4.1
29	5.8	3.5	3.4	2.7	---	5.1	10	45	7.3	4.1	5.3	4.1
30	6.0	3.5	3.1	2.8	---	4.3	9.0	45	7.3	3.8	4.7	4.4
31	5.8	---	3.4	2.9	---	4.5	---	45	---	4.1	4.7	---
TOTAL	163.9	117.5	107.3	91.9	95.0	179.6	318.4	1090.5	565.6	169.9	149.1	189.1
MEAN	5.29	3.92	3.46	2.96	3.39	5.79	10.6	35.2	18.9	5.48	4.81	6.30
AC-FT	325	233	213	182	188	356	632	2160	1120	337	296	375
MAX	6.6	5.4	4.1	3.4	4.4	7.8	36	50	45	8.1	7.3	17
MIN	4.4	3.0	3.0	2.7	2.6	4.0	4.6	9.5	7.3	3.8	3.4	4.1

CAL YR 1993 TOTAL 4092.1 MEAN 11.2 MAX 70 MIN 3.0 AC-FT 8120  
WTR YR 1994 TOTAL 3237.8 MEAN 8.87 MAX 50 MIN 2.6 AC-FT 6420

MAX DISCH 74 CFS AT 0215 12-MAY-1994 GH 2.81 FT. SHIFT 0.06 FT. MAX GH 2.81 FT. AT 0215 12-MAY-1994



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 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is 8,600 ft., from topographic map.

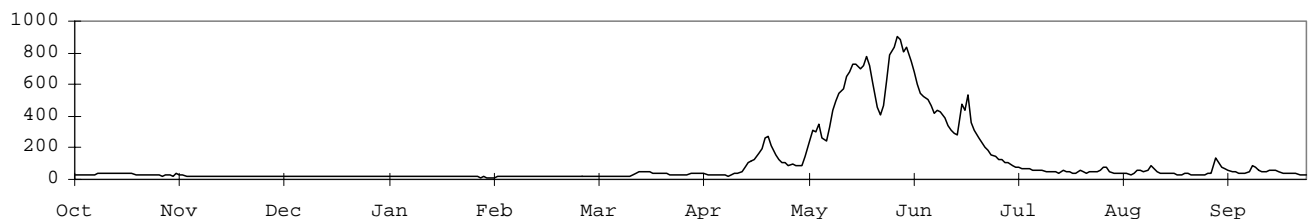
**REMARKS.**--Record is complete and reliable except for the following periods: Dec. 7, 1993-Mar. 3, 1994 when the station was closed for the winter. Stage-discharge relation was ice affected Nov. 6-12, 14-30; Dec. 1-6, 1993; Mar. 4-8, 1994. Record is good except for periods of no gage-height record and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

**RATING TABLE.**--ALATERCO14 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	29	21	16	13	18	36	94	903	130	74	41
2	29	27	20	17	14	19	38	86	882	124	80	40
3	28	23	19	16	15	20	35	83	802	111	52	135
4	27	24	18	17	16	21	38	90	838	104	42	110
5	27	22	19	18	17	20	37	146	752	91	40	81
6	27	18	18	17	16	19	31	242	675	82	43	64
7	30	19	18	15	17	18	33	307	605	78	39	55
8	34	20	18	16	18	19	29	305	546	72	34	51
9	36	20	19	16	16	18	29	347	520	70	32	44
10	40	20	20	16	16	20	28	259	506	65	38	40
11	38	21	19	15	17	18	26	239	466	62	58	37
12	38	22	20	16	16	18	24	329	415	60	58	36
13	37	20	18	15	15	19	28	433	434	58	45	50
14	37	20	17	16	16	21	36	491	430	54	60	89
15	35	19	18	16	19	29	40	541	384	52	86	73
16	35	19	16	15	20	39	53	574	335	50	67	58
17	39	19	17	15	22	47	79	653	308	46	53	52
18	36	18	17	16	22	45	104	678	289	44	43	51
19	33	19	16	17	20	46	114	728	284	43	42	60
20	33	18	17	16	21	45	128	732	478	61	43	54
21	32	19	16	17	20	40	164	697	435	50	42	55
22	32	21	16	16	18	42	197	723	530	51	41	47
23	32	23	15	16	17	40	260	777	360	42	33	43
24	28	20	17	17	17	37	268	719	306	43	30	42
25	27	18	16	16	19	37	210	613	265	56	35	40
26	30	16	16	17	20	33	158	456	237	45	36	38
27	22	18	17	16	20	31	129	405	208	39	29	34
28	28	19	16	15	19	27	106	470	184	49	26	32
29	30	20	17	14	---	30	104	617	160	52	30	31
30	21	21	15	15	---	29	91	782	144	46	31	31
31	37	---	15	14	---	31	---	831	---	54	27	---
TOTAL	988	612	541	494	496	896	2653	14447	13681	1984	1389	1614
MEAN	31.9	20.4	17.5	15.9	17.7	28.9	88.4	466	456	64.0	44.8	53.8
AC-FT	1960	1210	1070	980	984	1780	5260	28660	27140	3940	2760	3200
MAX	40	29	21	18	22	47	268	831	903	130	86	135
MIN	21	16	15	14	13	18	24	83	144	39	26	31
CAL YR 1993 TOTAL		48891	MEAN	134	MAX	1100	MIN	12	AC-FT	96980		
WTR YR 1994 TOTAL		39795	MEAN	109	MAX	903	MIN	13	AC-FT	78930		

MAX DISCH 1240 CFS AT 0015 02-JUN-1994 GH 3.18 FT. SHIFT 0.10 FT. MAX GH 3.18 FT. AT 0015 02-JUN-1994



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. Record is good. Station maintained and records developed by Division III Hydrographic staff.

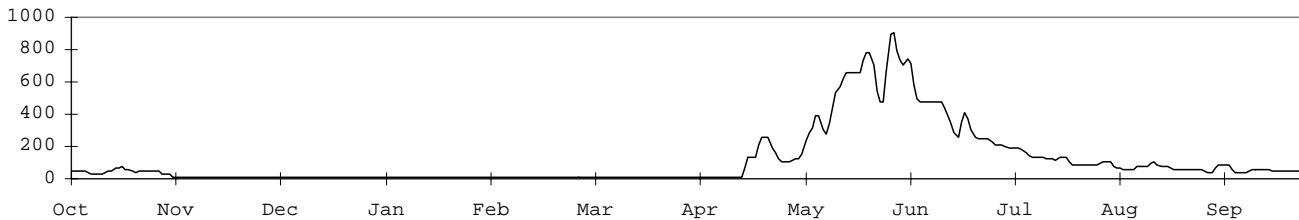
RATING TABLE.--ALABELCO12 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	5.0	5.0	6.5	7.0	7.0	8.8	106	903	212	99	45
2	44	5.0	5.0	6.5	7.0	7.0	8.8	115	790	212	105	39
3	44	5.0	5.0	6.5	6.9	7.2	8.8	122	734	211	104	39
4	44	5.0	5.0	6.5	6.8	7.3	8.8	122	704	196	104	67
5	44	5.0	5.0	6.5	6.8	7.4	9.1	155	740	187	80	87
6	38	5.0	5.0	6.5	6.8	7.7	9.1	241	710	187	64	87
7	33	5.0	6.1	6.5	6.7	7.7	9.1	282	585	187	63	87
8	33	5.0	6.1	6.5	6.8	7.7	9.1	310	500	186	59	86
9	33	5.0	6.0	6.5	6.8	7.6	9.1	389	478	182	54	58
10	33	5.0	6.0	6.5	6.8	7.6	9.2	386	478	165	58	41
11	40	5.0	6.0	6.5	6.8	7.7	9.4	306	478	144	61	41
12	44	4.8	6.4	6.4	6.8	7.9	9.4	274	478	133	73	41
13	48	4.8	6.5	6.5	6.8	7.9	9.7	342	478	133	80	42
14	63	5.0	6.5	6.5	6.8	7.9	9.9	436	478	132	79	49
15	68	5.0	6.5	6.5	6.8	8.1	9.9	529	478	129	79	54
16	72	4.9	6.5	6.5	6.8	8.1	10	570	440	128	92	54
17	60	5.0	6.5	6.5	6.8	8.4	10	619	394	128	101	54
18	53	5.0	6.5	6.5	6.8	8.3	71	654	343	121	83	55
19	44	5.0	6.5	6.6	6.8	8.2	138	656	281	115	72	54
20	38	5.1	6.5	6.5	6.8	8.2	136	657	254	130	72	54
21	47	5.0	6.5	6.5	6.8	8.2	137	656	348	137	72	48
22	51	5.0	6.4	6.5	6.8	8.2	209	659	408	135	66	45
23	51	5.0	6.5	6.5	6.8	8.5	254	731	375	106	57	45
24	51	5.0	6.5	6.4	6.8	8.5	254	780	308	88	53	45
25	51	5.0	6.5	6.5	6.8	8.4	254	780	259	89	53	45
26	51	5.0	6.5	6.5	6.8	8.6	194	706	248	89	53	45
27	51	5.0	6.5	7.0	6.8	8.5	159	541	248	89	53	45
28	33	5.0	6.5	7.0	7.0	8.6	124	473	248	89	54	45
29	25	5.0	6.5	7.0	---	8.8	106	473	247	89	54	45
30	25	5.0	6.5	7.0	---	8.8	106	671	227	88	54	45
31	10	---	6.5	7.0	---	8.8	---	896	---	88	54	---
TOTAL	1366	149.6	190.0	203.9	191.0	248.8	2300.2	14637	13640	4305	2205	1587
MEAN	44.1	4.99	6.13	6.58	6.82	8.03	76.7	472	455	139	71.1	52.9
AC-FT	2710	297	377	404	379	493	4560	29030	27050	8540	4370	3150
MAX	72	5.1	6.5	7.0	7.0	8.8	254	896	903	212	105	87
MIN	10	4.8	5.0	6.4	6.7	7.0	8.8	106	227	88	53	39

CAL YR 1993 TOTAL 46357.7 MEAN 127 MAX 893 MIN 3.1 AC-FT 91950  
WTR YR 1994 TOTAL 41023.5 MEAN 112 MAX 903 MIN 4.8 AC-FT 81370

MAX DISCH 977 CFS AT 1045 31-MAY-1994 GH 5.08 FT. SHIFT 0.03 FT. MAX GH 5.08 FT. AT 1045 31-MAY-1994





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 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,130 ft from topographic map.

**REMARKS.**--Flow regulated by La Jara Reservoir. Record is complete and reliable except for the following periods: Nov. 6-10, 15-17, 1993 when the well was frozen; Nov. 18, 1993-Mar. 30, 1994 when the station was closed for the winter; Aug. 12, 17, 1994 due to construction of new control. Stage-discharge relation was affected by ice Oct. 27-Nov. 1, 3-5, 11-14, 1993. Record is good except for periods of no gage-height record, ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

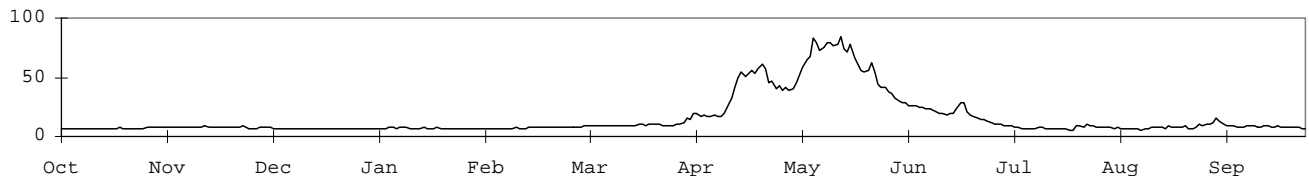
**RATING TABLE.**--LAJCAPCO16 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	7.4	7.6	6.8	6.0	7.6	12	41	36	11	7.4	11
2	6.4	7.4	7.0	7.0	6.2	8.2	15	39	32	11	7.9	10
3	5.9	7.4	6.8	6.8	6.2	9.0	14	40	30	11	8.1	12
4	5.9	7.4	6.6	7.0	6.4	9.6	19	45	28	9.2	7.2	16
5	6.1	7.8	6.8	7.4	6.6	9.4	19	52	28	8.9	6.4	13
6	6.2	7.4	6.6	7.2	6.4	9.2	17	58	26	8.5	7.5	10
7	6.3	7.4	6.6	7.0	6.6	9.0	18	65	26	7.6	7.1	9.5
8	6.4	7.6	6.6	7.2	7.0	9.4	17	68	26	7.2	6.8	9.1
9	6.6	7.6	6.8	7.2	6.8	8.8	17	83	25	6.9	6.2	8.6
10	6.7	7.8	6.8	7.2	6.8	8.8	18	79	25	6.8	6.1	8.2
11	6.6	8.2	6.6	6.8	7.2	9.4	17	73	24	7.0	7.0	8.1
12	6.6	8.6	7.0	7.0	7.0	9.4	17	75	24	7.0	7.1	8.1
13	6.6	8.0	6.6	6.8	6.8	9.2	19	79	22	7.1	5.7	8.7
14	6.7	8.0	6.4	7.0	7.0	9.4	25	79	21	7.4	7.0	9.3
15	7.1	7.4	6.6	7.2	7.2	9.6	33	76	19	7.3	6.8	8.6
16	6.4	7.4	6.4	7.0	7.2	9.6	42	78	19	7.0	7.8	8.2
17	6.8	7.4	6.6	6.8	7.6	9.6	49	84	18	6.1	7.3	8.2
18	7.6	8.0	6.6	7.0	7.6	9.6	54	74	19	5.9	7.5	8.6
19	7.1	7.6	6.4	7.2	7.4	10	51	71	20	6.0	7.8	8.9
20	6.9	7.6	6.6	7.0	7.6	9.8	53	78	24	6.3	7.1	8.3
21	6.6	7.6	6.4	7.0	7.6	9.6	56	66	29	6.4	8.6	8.3
22	6.6	8.0	6.4	6.8	7.4	9.8	53	61	29	5.9	8.3	8.5
23	6.6	8.6	6.2	6.8	7.2	10	57	56	21	5.6	7.4	7.9
24	6.6	7.6	6.4	7.0	7.2	9.8	61	54	18	5.8	7.8	7.6
25	6.6	6.8	6.4	6.8	7.6	9.8	57	56	17	9.3	8.2	7.6
26	7.2	6.2	6.4	7.0	7.8	9.6	46	62	16	9.3	8.7	7.6
27	7.2	6.6	6.6	6.8	8.0	9.2	47	54	14	7.8	7.1	7.4
28	7.6	7.2	6.6	6.6	7.8	9.0	40	44	14	10	7.1	7.3
29	7.6	7.4	6.8	6.4	---	9.6	43	42	13	9.1	8.4	7.0
30	7.4	7.6	6.6	6.6	---	9.8	39	42	12	8.7	9.8	7.0
31	7.4	---	6.6	6.2	---	11	---	38	---	7.3	9.7	---
TOTAL	208.7	227.0	205.4	214.6	198.2	291.8	1025	1912	675	240.4	232.9	268.6
MEAN	6.73	7.57	6.63	6.92	7.08	9.41	34.2	61.7	22.5	7.75	7.51	8.95
AC-FT	414	450	407	426	393	579	2030	3790	1340	477	462	533
MAX	7.6	8.6	7.6	7.4	8.0	11	61	84	36	11	9.8	16
MIN	5.9	6.2	6.2	6.2	6.0	7.6	12	38	12	5.6	5.7	7.0

CAL YR 1993 TOTAL 6693.4 MEAN 18.3 MAX 111 MIN 5.2 AC-FT 13280  
WTR YR 1994 TOTAL 5699.6 MEAN 15.6 MAX 84 MIN 5.6 AC-FT 11310

MAX DISCH 106 CFS AT 0845 17-MAY-1994 GH 3.65 FT. SHIFT -0.41 FT. MAX GH 3.65 FT. AT 0845 17-MAY-1994



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 and a 3' Parshall Flume.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 24-Nov. 25, 1993 due to the clock stopping; Nov. 26, 1993-Mar. 11-1994 when the station was closed for the winter, and Apr. 29, 1994 when the flume was reset to avoid submergence. Record is good except for periods of no gage-height record, which are fair. Station maintained and records developed by Division III Hydrographic staff.

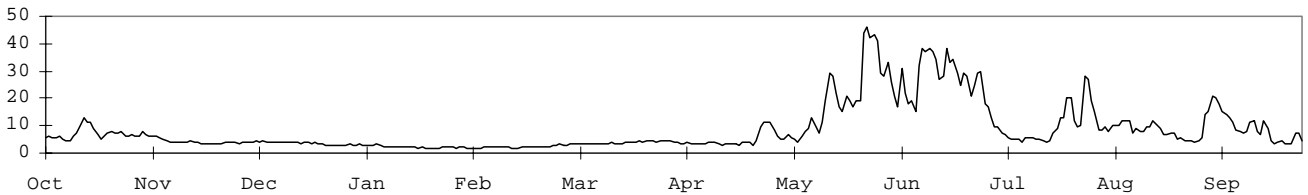
RATING TABLE.--NORDSCCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	6.0	4.4	2.9	1.6	3.0	4.2	6.1	28	17	15	5.8
2	6.1	6.4	4.1	3.0	1.5	3.1	3.8	5.0	33	13	8.7	14
3	5.5	5.4	4.3	2.9	1.7	3.1	3.6	5.1	26	9.8	8.5	15
4	5.5	4.8	4.0	3.0	1.9	3.2	3.3	6.9	21	9.5	9.8	21
5	6.0	4.5	4.2	3.1	2.2	3.2	3.7	5.4	17	7.5	8.1	20
6	4.9	4.2	3.9	2.9	2.0	3.3	3.6	4.8	31	6.9	10	18
7	4.6	4.0	4.1	2.5	2.4	3.3	3.3	3.9	22	5.4	10	15
8	4.6	4.0	3.8	2.2	2.4	3.6	3.4	6.3	18	5.0	10	14
9	6.1	4.0	4.0	2.3	2.1	3.3	3.4	8.0	19	5.0	12	13
10	7.5	4.0	4.0	2.4	2.1	3.4	3.6	9.1	15	5.1	12	11
11	9.8	4.2	4.0	2.1	2.4	3.4	3.7	13	32	4.0	12	8.6
12	13	4.4	4.2	2.1	2.0	3.4	3.8	9.5	38	5.5	7.3	7.6
13	11	4.1	3.8	2.2	1.7	3.4	3.8	7.2	37	5.8	8.8	7.3
14	11	3.8	3.6	2.0	1.9	3.7	3.3	11	38	5.5	7.7	8.1
15	9.0	3.5	3.7	2.1	1.9	3.2	2.6	19	37	5.1	8.1	11
16	7.0	3.5	3.8	2.0	2.0	3.4	3.1	29	34	5.2	9.8	12
17	4.8	3.5	3.6	1.9	2.2	3.6	3.3	28	27	4.3	9.3	8.0
18	6.1	3.5	3.7	2.0	2.5	3.8	3.2	22	28	3.9	12	6.7
19	7.5	3.6	3.5	1.9	2.2	4.0	3.1	17	38	4.6	10	12
20	8.1	3.5	3.2	1.9	2.2	4.0	2.6	15	33	7.3	9.1	9.0
21	7.3	3.5	2.9	1.9	2.5	4.0	3.9	21	34	9.1	7.0	4.7
22	7.5	3.7	3.0	1.9	2.3	4.4	3.9	19	29	13	6.9	3.6
23	8.1	4.0	2.9	1.9	2.1	4.2	3.7	17	25	13	7.5	3.9
24	6.4	3.8	2.8	2.1	2.3	4.4	2.6	19	29	20	7.3	4.6
25	6.0	3.7	2.9	2.0	2.6	4.3	4.4	19	28	20	5.2	3.3
26	6.7	3.6	2.9	2.3	2.8	4.3	9.8	44	21	12	5.7	3.2
27	6.4	3.7	3.0	2.1	3.2	3.7	11	46	25	9.5	4.6	3.2
28	6.4	3.8	3.1	1.9	3.0	4.4	11	42	29	10	4.3	7.2
29	8.0	3.9	3.0	2.0	---	4.4	11	43	30	28	4.3	7.2
30	7.0	4.1	3.0	2.1	---	4.3	8.5	41	18	27	3.7	4.4
31	6.4	---	3.1	1.6	---	4.4	---	29	---	19	4.3	---
TOTAL	219.8	122.7	110.5	69.2	61.7	115.2	138.2	571.3	840	316.0	259.0	282.4
MEAN	7.09	4.09	3.56	2.23	2.20	3.72	4.61	18.4	28.0	10.2	8.35	9.41
AC-FT	436	243	219	137	122	228	274	1130	1670	627	514	560
MAX	13	6.4	4.4	3.1	3.2	4.4	11	46	38	28	15	21
MIN	4.6	3.5	2.8	1.6	1.5	3.0	2.6	3.9	15	3.9	3.7	3.2

CAL YR 1993 TOTAL 3417.7 MEAN 9.36 MAX 52 MIN 1.4 AC-FT 6780  
WTR YR 1994 TOTAL 3106.0 MEAN 8.51 MAX 46 MIN 1.5 AC-FT 6160

MAX DISCH 51 CFS AT 2300 26-MAY-1994 GH 2.69 FT. SHIFT -0.17 FT. MAX GH 2.69 FT. AT 2300 26-MAY-1994



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 right bank 2.5 mi east by northeast along canal from State Route 158.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry at an 8' Parshall Flume.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 8-25, 1993 when the well was frozen, and Nov. 26, 1993-Mar. 11, 1994 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 records developed by Division III Hydrographic staff.

RATING TABLE.--NORLSCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

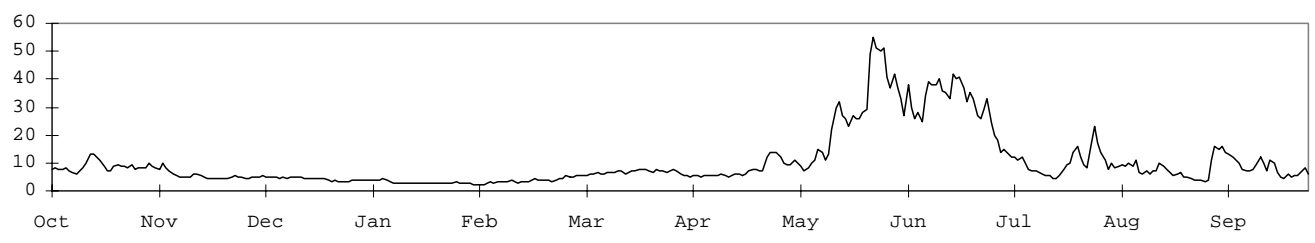
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	7.9	5.4	3.7	2.3	5.0	6.0	10	37	20	14	4.1
2	8.5	10	5.0	3.9	2.2	5.4	5.4	9.3	42	18	11	11
3	7.9	8.1	5.2	3.7	2.4	5.4	5.3	9.3	37	14	7.9	16
4	7.8	6.9	4.7	4.0	2.7	5.6	5.0	11	33	15	10	15
5	8.0	6.1	4.9	4.3	3.1	5.6	5.4	10	27	13	8.5	16
6	7.2	5.4	4.6	3.9	2.9	5.8	5.3	8.7	38	12	8.8	14
7	6.5	5.1	4.8	3.3	3.5	5.8	4.8	7.3	30	12	9.6	13
8	6.2	5.1	4.5	2.9	3.5	6.8	5.3	8.2	26	11	9.0	12
9	7.1	5.1	4.7	3.0	3.2	5.8	5.4	10	28	12	9.7	11
10	8.4	5.1	4.7	3.0	3.1	6.2	5.5	11	25	9.7	9.0	10
11	10	5.8	4.7	2.8	3.6	6.8	5.3	15	34	7.8	11	7.7
12	13	6.0	5.0	2.8	3.2	6.5	5.6	14	39	6.9	6.7	7.2
13	13	5.6	4.4	2.9	2.8	6.5	5.9	11	38	7.1	6.2	7.2
14	12	5.0	4.2	2.7	3.1	6.9	5.7	13	38	6.8	7.1	7.6
15	11	4.4	4.3	2.8	3.1	6.9	5.2	22	40	5.9	6.0	9.5
16	9.0	4.4	4.5	2.7	3.3	6.3	5.3	30	36	5.4	7.3	12
17	7.0	4.4	4.2	2.6	3.7	6.7	5.8	32	35	5.3	7.2	9.7
18	6.9	4.4	4.3	2.7	4.2	7.0	5.8	27	33	4.5	9.7	7.3
19	8.8	4.5	4.2	2.6	3.7	7.2	5.6	26	42	4.4	8.6	11
20	9.3	4.4	3.8	2.6	3.7	7.5	5.9	23	40	5.7	7.9	10
21	8.9	4.4	3.5	2.6	4.1	7.5	6.9	27	41	7.8	6.4	6.5
22	8.7	4.7	3.6	2.6	3.7	7.7	7.8	26	37	9.2	5.7	4.8
23	8.5	5.4	3.5	2.6	3.4	7.0	7.5	26	32	9.8	6.1	4.5
24	9.4	5.0	3.4	2.8	3.7	6.4	6.9	28	35	14	6.6	5.8
25	7.5	4.8	3.5	2.7	4.2	7.6	7.3	29	33	16	5.0	4.7
26	8.4	4.5	3.5	3.1	4.6	7.2	12	49	27	12	4.7	5.6
27	8.2	4.6	3.9	2.9	5.4	6.9	14	55	26	9.2	4.5	5.7
28	8.1	4.8	4.1	2.7	5.0	6.6	14	51	29	8.0	4.0	7.3
29	9.8	5.0	3.8	2.6	---	7.2	14	50	33	17	3.9	8.4
30	8.9	5.2	3.8	2.8	---	7.6	12	51	24	23	3.6	6.2
31	8.3	---	3.9	2.3	---	7.0	---	41	---	17	3.4	---

TOTAL	270.0	162.1	132.6	92.6	97.4	204.4	211.9	740.8	1015	339.5	229.1	270.8
MEAN	8.71	5.40	4.28	2.99	3.48	6.59	7.06	23.9	33.8	11.0	7.39	9.03
AC-FT	536	322	263	184	193	405	420	1470	2010	673	454	537
MAX	13	10	5.4	4.3	5.4	7.7	14	55	42	23	14	16
MIN	6.2	4.4	3.4	2.3	2.2	5.0	4.8	7.3	24	4.4	3.4	4.1

CAL YR 1993 TOTAL 5129.0 MEAN 14.1 MAX 61 MIN 2.1 AC-FT 10170  
WTR YR 1994 TOTAL 3766.2 MEAN 10.3 MAX 55 MIN 2.2 AC-FT 7470

MAX DISCH 57 CFS AT 0545 27-MAY-1994 GH 1.44 FT. SHIFT -0.01 FT. MAX GH 1.44 FT. AT 0545 27-MAY-1994



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 Trinchera Creek, 3.2 mi north of Lasausés, and 13 mi southeast of Alamosa.

**DRAINAGE AREA.**--5,740 mi<sup>2</sup>., approximately, includes 2,940 mi<sup>2</sup>. in closed basin in northern part of San Luis Valley, Co.

**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. 16-22, 1993 when the well was frozen; Dec. 23, 1993-Mar. 11, 1994 when the station was closed for the winter; Sep. 2-4, 1994 when there was missing satellite data and the pen carriage was hanging up; Sep. 10-16, 1993 when the inlets were plugged. Stage-discharge relation affected by ice Nov. 28-30; Dec. 15, 1993. Record is good except for periods of no gage-height record and ice affected record which are fair. Station maintained and records developed by Div. III staff.

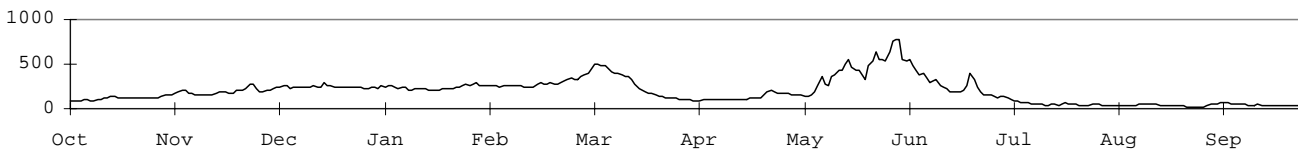
**RATING TABLE.**--RIOTRICO11 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	165	235	255	255	365	101	169	758	139	45	25
2	91	195	250	250	255	375	99	161	779	129	38	32
3	86	209	251	255	260	395	94	154	781	136	32	48
4	93	204	251	260	255	440	92	152	559	130	30	47
5	102	180	231	250	240	495	94	147	528	113	31	50
6	97	166	237	230	265	505	102	139	552	101	32	71
7	88	162	245	235	265	480	96	136	488	91	29	63
8	86	158	234	235	260	480	101	156	433	78	28	62
9	99	157	239	215	260	440	98	193	382	75	29	59
10	112	158	241	215	260	420	96	265	390	69	28	53
11	118	157	241	220	255	405	99	362	352	62	27	49
12	129	155	256	220	250	402	103	283	287	56	28	47
13	138	164	235	220	250	387	106	265	313	54	49	45
14	130	182	237	220	250	356	103	362	331	51	52	43
15	121	183	285	210	250	356	102	375	264	44	51	42
16	116	186	260	210	270	328	100	429	236	43	51	40
17	115	179	255	210	285	280	105	431	228	42	48	47
18	124	178	250	210	270	230	106	492	188	46	45	39
19	124	199	245	220	275	206	108	548	191	46	42	41
20	124	205	250	230	290	183	114	472	190	42	42	43
21	125	203	250	230	275	172	119	431	189	46	33	37
22	120	218	245	230	270	164	124	430	205	61	30	36
23	117	270	250	245	290	150	126	373	260	53	35	33
24	117	280	240	245	310	132	150	332	390	50	34	34
25	119	231	240	265	330	131	187	486	325	50	37	30
26	124	193	235	270	340	123	200	531	235	43	34	30
27	128	193	230	260	320	123	185	643	189	37	14	29
28	133	200	225	270	335	121	171	547	161	38	11	30
29	147	210	235	285	---	114	178	545	163	41	15	33
30	150	220	235	265	---	109	178	542	148	50	22	30
31	154	---	230	255	---	104	---	631	---	47	21	---
TOTAL	3617	5760	7543	7390	7690	8971	3637	11182	10495	2063	1043	1268
MEAN	117	192	243	238	275	289	121	361	350	66.5	33.6	42.3
AC-FT	7170	11420	14960	14660	15250	17790	7210	22180	20820	4090	2070	2520
MAX	154	280	285	285	340	505	200	643	781	139	52	71
MIN	86	155	225	210	240	104	92	136	148	37	11	25

CAL YR 1993 TOTAL 95773 MEAN 262 MAX 1320 MIN 70 AC-FT 190000  
WTR YR 1994 TOTAL 70659 MEAN 194 MAX 781 MIN 11 AC-FT 140200

MAX DISCH 832 CFS AT 0230 03-JUN-1994 GH 4.43 FT. SHIFT -0.27 FT. MAX GH 4.43 FT. AT 0230 03-JUN-1994



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 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,520 ft, from topographic map.

**REMARKS.**--Record is complete and reliable except for the following periods: Jan. 31-Feb. 17, 1994 when the floats were frozen. Stage-discharge relation affected by ice Nov. 25-26; Dec. 4, 13-14, 17-31, 1993; Jan. 1-30; Feb. 23-24; Mar. 9-10, 1994. Record is good except for periods of no gage-height record and periods when stage-discharge relation was affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

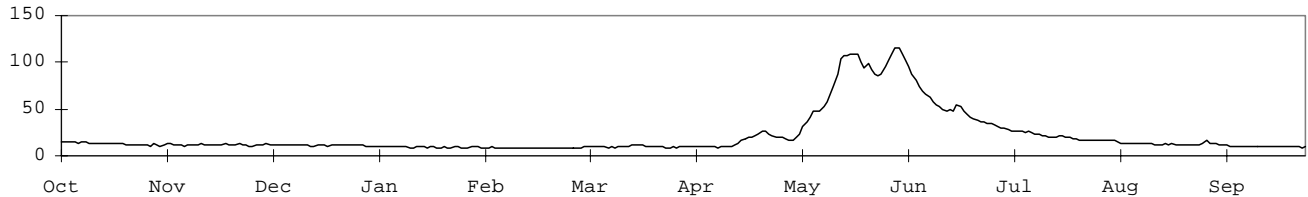
**RATING TABLE.**--TRITURCO12 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	14	12	9.8	8.8	8.6	9.6	18	109	33	17	16
2	15	13	12	10	8.4	8.9	9.6	17	116	31	17	14
3	15	12	11	9.8	8.8	9.1	9.3	17	115	30	16	13
4	15	12	11	10	9.2	9.1	9.8	19	108	29	16	13
5	15	12	11	10	9.0	9.1	9.4	23	102	28	16	11
6	14	10	12	9.8	8.6	9.1	9.4	31	96	27	15	11
7	15	12	11	9.4	9.0	9.2	9.8	37	88	26	14	11
8	15	12	11	9.8	8.6	9.2	9.3	42	81	27	13	10
9	14	11	11	9.8	8.6	9.4	9.6	48	75	26	13	10
10	14	12	11	9.4	9.0	9.0	9.2	47	70	24	13	10
11	14	13	11	9.0	8.2	9.3	9.0	48	66	26	13	10
12	14	12	11	9.0	8.4	8.7	9.2	52	62	25	13	9.9
13	14	12	10	9.4	8.4	10	9.5	58	58	23	14	10
14	14	12	10	9.8	8.4	9.8	10	66	55	23	14	10
15	14	12	11	9.4	8.4	10	10	75	52	22	13	9.9
16	13	11	11	9.0	8.8	10	12	88	49	21	13	9.8
17	14	12	11	9.4	8.8	11	14	104	47	20	12	9.7
18	14	13	10	9.4	8.9	11	17	107	49	20	12	9.8
19	13	11	11	9.0	8.7	11	18	107	48	20	12	9.8
20	12	11	11	9.0	8.7	11	19	108	55	21	13	10
21	12	12	11	9.4	8.6	10	20	109	52	21	12	10
22	12	13	11	9.0	8.6	10	21	108	47	19	13	9.8
23	12	12	11	8.8	9.0	10	23	100	44	19	11	9.5
24	12	11	11	9.6	9.0	10	26	94	41	18	11	9.4
25	12	9.4	12	9.4	9.0	10	26	99	40	18	11	9.4
26	12	10	12	9.0	8.9	9.8	23	93	38	17	12	9.3
27	10	11	11	9.0	8.8	8.2	22	88	37	17	12	9.2
28	13	12	11	9.0	8.6	8.7	20	85	36	17	11	9.1
29	12	12	10	9.8	---	9.8	20	88	35	17	11	9.0
30	9.7	13	10	9.8	---	8.7	19	96	34	17	11	9.3
31	12	---	9.8	9.6	---	9.4	---	102	---	16	13	---
TOTAL	411.7	354.4	339.8	292.6	244.2	297.1	442.7	2174	1905	698	407	311.9
MEAN	13.3	11.8	11.0	9.44	8.72	9.58	14.8	70.1	63.5	22.5	13.1	10.4
AC-FT	817	703	674	580	484	589	878	4310	3780	1380	807	619
MAX	15	14	12	10	9.2	11	26	109	116	33	17	16
MIN	9.7	9.4	9.8	8.8	8.2	8.2	9.0	17	34	16	11	9.0

CAL YR 1993 TOTAL 11320.3 MEAN 31.0 MAX 209 MIN 6.4 AC-FT 22450  
WTR YR 1994 TOTAL 7878.4 MEAN 21.6 MAX 116 MIN 8.2 AC-FT 15630

MAX DISCH 145 CFS AT 1915 02-JUN-1994 GH 2.31 FT. SHIFT -0.06 FT. MAX GH 2.31 FT. AT 1915 02-JUN-1994



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 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder.

**REMARKS.**--Record is complete and reliable except for the following periods: Stage-discharge relation was ice affected Dec. 21, 1993; Jan. 22-23, 28, 31; Feb. 1-3, 13-15, 20-22, 24, 1994. Record is good except for no gage-height periods and ice affected periods which are fair. Station maintained and records developed by Division III Hydrographic staff.

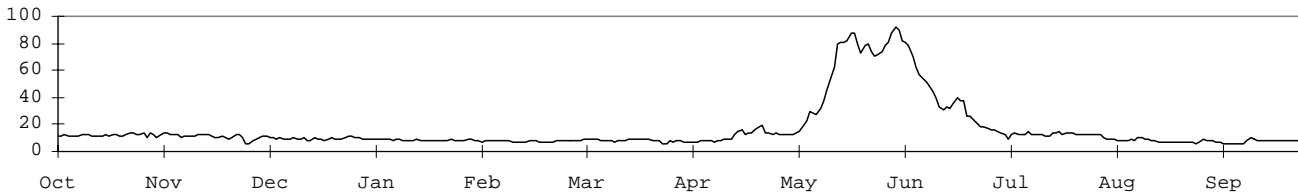
**RATING TABLE.**--TRIMTNC006 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	14	11	8.6	7.6	7.8	7.8	13	81	16	12	9.0
2	11	14	10	9.0	7.0	7.8	7.0	12	88	16	12	7.8
3	12	12	9.8	8.6	7.6	8.2	6.6	12	92	15	10	7.4
4	11	12	9.2	9.0	8.2	8.6	7.0	12	90	14	9.4	7.8
5	11	12	9.8	9.0	7.8	8.6	7.0	14	82	12	9.4	6.6
6	11	10	9.3	8.6	7.4	8.6	7.0	15	81	9.4	8.6	6.6
7	11	11	9.4	8.2	7.8	9.0	8.2	19	78	12	8.2	6.0
8	12	11	9.5	8.6	7.4	8.6	7.8	23	71	14	8.2	5.6
9	12	11	9.8	8.6	7.4	8.0	7.8	29	63	13	8.2	5.7
10	12	11	8.9	8.2	7.8	7.5	7.8	28	57	12	8.2	5.6
11	11	13	9.1	7.8	7.0	8.2	7.0	27	54	13	8.6	5.6
12	11	12	10	7.8	7.1	7.8	7.4	32	51	15	8.2	5.6
13	11	12	8.2	8.2	7.0	7.0	7.4	37	48	13	9.8	6.0
14	11	12	8.3	8.6	7.0	8.2	8.6	46	44	12	9.8	7.4
15	12	11	9.8	8.2	7.0	7.4	8.6	52	40	12	9.4	9.8
16	11	10	9.4	7.8	7.4	8.2	9.4	62	33	12	8.6	9.0
17	12	9.9	9.4	8.2	7.4	8.6	12	80	31	11	7.4	7.4
18	12	11	8.2	8.2	7.4	8.6	15	81	33	11	7.4	7.8
19	11	10	9.4	7.8	7.3	9.4	16	81	32	14	6.6	7.8
20	11	8.7	9.8	7.8	6.6	9.4	12	82	35	14	6.6	8.2
21	13	9.9	9.4	8.2	6.8	8.6	14	88	40	15	6.6	8.2
22	14	12	9.4	7.8	6.3	9.0	14	87	37	13	7.0	8.2
23	14	12	9.0	7.4	6.4	8.6	16	80	37	14	6.6	7.8
24	13	10	10	8.6	7.8	8.2	18	73	26	14	6.3	7.7
25	13	5.4	11	8.2	7.8	8.2	19	78	26	14	6.6	7.8
26	14	5.8	11	7.8	7.6	7.8	14	80	23	13	6.3	7.8
27	10	7.8	10	7.8	7.8	6.0	14	74	20	12	6.6	7.8
28	14	9.0	9.8	7.8	7.4	6.0	12	71	18	12	6.6	7.8
29	13	10	9.0	8.6	---	8.2	14	72	18	13	6.3	7.4
30	10	11	9.0	8.7	---	6.6	13	74	17	13	6.2	8.2
31	12	---	8.6	8.4	---	7.4	---	78	---	12	6.6	---
TOTAL	367	320.5	294.5	256.1	205.1	250.1	325.4	1612	1446	405.4	248.3	221.4
MEAN	11.8	10.7	9.50	8.26	7.33	8.07	10.8	52.0	48.2	13.1	8.01	7.38
AC-FT	728	636	584	508	407	496	645	3200	2870	804	493	439
MAX	14	14	11	9.0	8.2	9.4	19	88	92	16	12	9.8
MIN	10	5.4	8.2	7.4	6.3	6.0	6.6	12	17	9.4	6.2	5.6

CAL YR 1993 TOTAL 9055.4 MEAN 24.8 MAX 200 MIN 4.9 AC-FT 17960  
WTR YR 1994 TOTAL 5951.8 MEAN 16.3 MAX 92 MIN 5.4 AC-FT 11810

MAX DISCH 98 CFS AT 2115 02-JUN-1994 GH 1.48 FT. SHIFT 0.13 FT. MAX GH 1.48 FT. AT 2115 02-JUN-1994



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 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite monitoring system. Altitude of gage is 7,900 ft, from topographic map.

**REMARKS.**--Record is complete and reliable except for the following periods: Dec. 18-31, 1993; Jan. 1-5, 20-31; Feb. 1-28; Mar. 1-25, 1994 when the inlets were frozen. Stage-discharge relation affected by ice on Oct. 29-31; Nov. 1-10, 15-27, 30; Dec. 1-17, 1993; Jan. 6-19. Relation affected by backwater on Jun. 20-30; Jul. 1-7, 1994. Record is good except for periods when stage-discharge relation was ice affected, backwater affected, and periods of no gage-height which are fair. Station maintained and records developed by Division III Hydrographic staff.

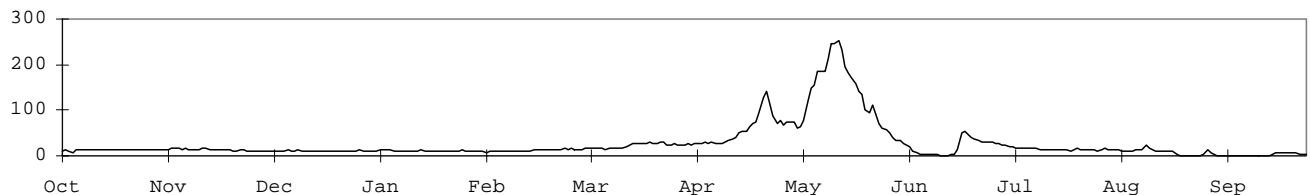
**RATING TABLE.**--SANFTGCO18 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	15	11	11	9.0	14	25	74	41	28	15	12
2	12	17	11	12	8.4	15	27	74	35	26	17	7.5
3	10	17	11	12	9.0	16	25	75	34	25	15	1.7
4	6.3	16	10	13	10	17	28	60	28	22	14	1.3
5	12	14	11	12	11	18	26	63	22	21	14	0.92
6	12	16	12	11	10	16	26	78	19	19	12	0.70
7	12	14	11	11	11	18	30	120	11	18	11	0.57
8	13	14	11	10	11	17	27	147	7.8	18	9.6	0.49
9	14	15	12	11	11	15	29	156	4.7	18	9.5	0.45
10	14	15	11	10	10	16	28	186	4.1	17	10	0.43
11	14	16	10	10	11	18	26	186	3.5	16	12	0.41
12	13	16	11	10	11	17	28	186	3.1	18	12	0.42
13	13	14	9.6	11	10	16	30	214	2.7	16	14	0.44
14	14	15	9.0	12	11	18	34	247	2.0	15	25	0.40
15	14	13	10	11	11	20	38	245	1.6	14	17	0.39
16	14	12	11	10	12	24	41	252	1.4	14	15	0.39
17	14	12	10	10	13	27	50	231	1.3	13	11	0.40
18	15	13	10	10	14	26	54	196	2.7	12	10	0.41
19	15	13	10	10	13	28	55	182	3.3	12	9.6	0.42
20	15	11	9.4	10	13	27	63	173	14	12	10	2.5
21	14	11	8.8	10	14	26	70	159	52	14	9.9	6.4
22	14	12	9.4	10	13	29	73	143	54	12	9.2	6.5
23	14	14	9.4	10	13	28	93	136	47	11	5.0	6.1
24	14	11	9.6	11	15	27	128	101	41	12	1.6	5.7
25	14	10	10	10	16	29	143	93	37	16	1.2	5.2
26	14	10	11	12	15	29	113	111	35	13	1.0	5.1
27	13	11	12	11	16	25	89	90	32	12	0.83	5.4
28	15	10	11	10	15	23	72	71	31	12	0.92	5.0
29	14	10	10	11	---	26	76	62	30	14	0.88	4.9
30	14	11	11	10	---	23	67	56	29	12	0.81	5.0
31	14	---	11	10	---	25	---	49	---	11	4.0	---
TOTAL	409.6	398	324.2	332	336.4	673	1614	4216	630.2	493	298.04	87.55
MEAN	13.2	13.3	10.5	10.7	12.0	21.7	53.8	136	21.0	15.9	9.61	2.92
AC-FT	812	789	643	659	667	1330	3200	8360	1250	978	591	174
MAX	15	17	12	13	16	29	143	252	54	28	25	12
MIN	6.3	10	8.8	10	8.4	14	25	49	1.3	11	0.81	0.39

CAL YR 1993 TOTAL 14671.2 MEAN 40.2 MAX 304 MIN 1.5 AC-FT 29100  
WTR YR 1994 TOTAL 9811.99 MEAN 26.9 MAX 252 MIN 0.39 AC-FT 19460

MAX DISCH 288 CFS AT 0945 16-MAY-1994 GH 4.53 FT. SHIFT -0.34 FT. MAX GH 4.53 FT. AT 0945 16-MAY-1994



RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO

**LOCATION.**--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

**DRAINAGE AREA.**--32 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,045 ft, from topographic map.

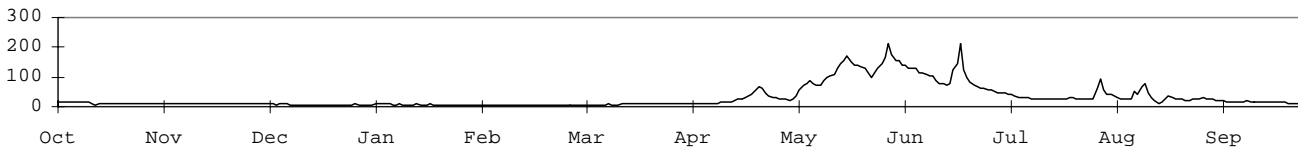
**REMARKS.**--Record is complete and reliable except for the following periods: Oct. 27, 29-30; Nov. 3, 5-8, 1993 when the gage was isolated. Nov. 17, 24, 1993; Apr. 11, 1994 when the chart recorder clock stopped and the satellite data was incomplete. Nov. 25-30; Dec. 15-29, 1993; Mar. 27-Apr. 8, 12, 1994 when the well was frozen; Dec. 30, 1993-Mar. 25, 1994 when the station was closed for the winter. Stage-discharge relation affected by ice Oct. 31; Nov. 1, 20-21; Dec. 5-6, 14, 1993. Stage discharge relation affected by water bypassing the gage through a parallel channel Apr. 23-25; May 6-31; Jun. 1-30; Jul. 1-3; Aug. 1-3, 12-16, 1994. The parallel channel was plugged on Aug. 19, 1994. Record is good except for periods of no gage-height record and stage discharge affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

**RATING TABLE.**--UTEFTGCO17 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	11	9.3	7.2	3.4	4.8	10	26	211	55	60	29
2	15	11	8.2	8.2	2.8	5.2	11	24	174	51	91	27
3	14	12	8.5	8.2	3.4	5.6	11	23	156	47	55	27
4	13	11	7.3	8.8	5.4	5.8	10	26	156	44	39	25
5	13	10	7.8	8.8	5.4	6.0	9.0	34	141	44	43	23
6	13	10	8.2	7.8	5.2	5.8	9.0	56	140	43	34	21
7	15	10	8.0	7.4	5.8	6.0	10	75	130	40	29	19
8	15	10	7.2	7.2	5.6	5.0	10	79	130	37	26	18
9	15	10	7.1	7.8	5.2	4.6	10	87	128	33	25	17
10	14	11	7.2	6.8	4.4	6.0	9.6	80	116	32	25	17
11	12	11	7.0	6.4	5.0	7.8	10	71	114	32	26	16
12	7.6	11	7.1	6.4	4.4	7.4	12	71	110	29	51	16
13	8.4	11	7.0	7.6	3.4	7.0	13	89	102	28	40	18
14	8.9	10	6.4	8.0	3.6	7.6	14	96	102	27	65	19
15	9.2	10	6.6	7.0	3.6	8.2	14	104	89	26	78	18
16	8.9	10	7.0	7.6	4.0	9.6	17	108	76	25	44	17
17	9.8	10	6.6	7.6	4.8	10	21	128	76	24	33	17
18	10	10	6.6	8.0	5.0	9.0	25	144	75	24	19	16
19	9.8	9.3	6.6	7.0	4.6	10	28	155	79	26	8.0	16
20	11	8.6	6.2	7.0	4.6	9.6	33	169	124	28	17	16
21	12	8.6	5.8	7.0	5.0	9.2	37	152	143	26	27	16
22	12	11	6.4	6.8	4.3	11	41	139	210	25	34	15
23	12	11	6.2	6.6	4.0	10	52	138	124	25	29	14
24	11	9.0	6.4	7.4	5.0	9.6	65	133	97	31	27	14
25	11	8.0	6.6	7.0	5.8	10	62	127	83	33	27	13
26	11	8.0	7.0	6.2	5.0	10	44	116	73	25	25	12
27	10	8.6	8.0	5.6	5.8	9.2	34	100	66	26	23	11
28	12	9.0	7.6	5.0	5.2	9.2	32	114	63	26	22	11
29	10	9.4	7.2	5.4	---	9.6	29	130	60	25	27	11
30	9.4	9.4	7.0	4.8	---	9.2	27	145	58	24	25	11
31	10	---	7.4	4.6	---	10	---	164	---	26	25	---
TOTAL	359.0	298.9	221.5	217.2	129.7	248.0	709.6	3103	3406	987	1099.0	520
MEAN	11.6	9.96	7.15	7.01	4.63	8.00	23.7	100	114	31.8	35.5	17.3
AC-FT	712	593	439	431	257	492	1410	6150	6760	1960	2180	1030
MAX	16	12	9.3	8.8	5.8	11	65	169	211	55	91	29
MIN	7.6	8.0	5.8	4.6	2.8	4.6	9.0	23	58	24	8.0	11
CAL YR 1993 TOTAL		13722.9	MEAN	37.6	MAX	258	MIN	2.5	AC-FT	27220		
WTR YR 1994 TOTAL		11298.9	MEAN	31.0	MAX	211	MIN	2.8	AC-FT	22410		

MAX DISCH 335 CFS AT 0100 22-JUN-1994 GH 3.42 FT. SHIFT -0.03 FT. MAX GH 3.42 FT. AT 0100 22-JUN-1994





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 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry installed Jul. 29, 1994. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

**REMARKS.**--Flows regulated by Smith Reservoir. Record is complete and reliable except for the following period: Dec. 20-31, 1993 when the well was frozen. Record is good except for periods of no gage-height record which are fair. Station maintained and records developed by Division III Hydrographic staff.

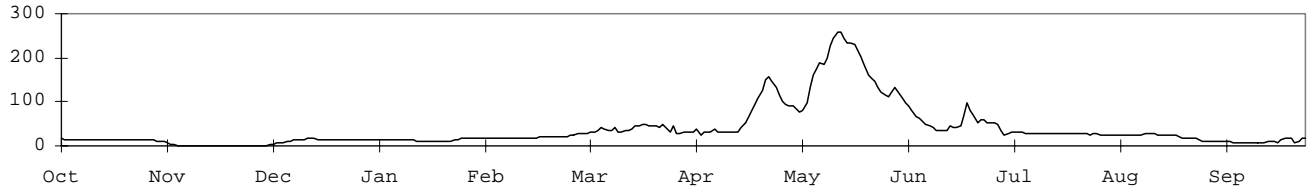
**RATING TABLE.**--TRISMIC011 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	7.8	2.0	14	16	29	30	93	123	54	26	11
2	14	2.2	4.2	14	16	29	31	92	134	49	26	11
3	14	1.8	5.6	14	16	29	30	90	118	34	26	10
4	14	1.7	6.6	14	16	29	30	85	107	25	25	10
5	14	1.7	7.4	14	16	30	37	78	99	27	25	10
6	14	1.7	9.6	15	16	32	26	80	90	30	25	10
7	14	1.7	11	15	16	35	30	99	80	30	25	10
8	14	1.7	13	15	17	42	32	132	68	30	25	9.6
9	14	1.7	13	15	18	39	32	161	62	30	25	8.6
10	13	1.7	15	14	18	34	38	175	55	29	25	8.6
11	13	1.7	15	14	19	34	33	188	50	29	25	8.6
12	13	1.7	16	13	19	41	31	186	47	29	26	8.6
13	13	1.7	16	12	18	33	32	199	42	28	26	7.9
14	13	1.7	16	12	18	33	32	228	36	28	27	7.9
15	13	1.7	15	12	18	34	32	245	34	28	27	8.2
16	13	1.7	14	12	18	36	31	258	35	28	27	8.2
17	13	1.7	14	12	18	39	33	258	36	27	27	8.2
18	13	1.7	14	11	20	44	42	245	44	27	26	8.6
19	13	1.7	14	11	20	45	54	235	43	27	26	8.9
20	13	1.7	14	12	20	49	65	235	41	28	26	8.9
21	13	1.7	14	12	20	50	81	230	44	28	25	8.9
22	13	1.4	14	12	21	47	93	218	71	29	25	7.9
23	13	1.5	14	12	21	45	107	202	96	29	25	13
24	13	1.5	14	13	21	46	125	185	81	29	22	18
25	13	1.5	14	14	21	43	149	159	71	27	18	18
26	13	1.5	14	16	22	49	157	152	54	27	18	18
27	13	1.5	14	18	25	43	145	145	59	27	18	8.5
28	13	1.5	14	18	26	31	132	132	59	27	18	9.0
29	12	1.5	14	18	---	45	115	122	54	26	18	17
30	12	1.5	14	18	---	27	102	116	54	27	14	17
31	12	---	14	16	---	29	---	110	---	27	10	---
TOTAL	412	55.8	389.4	432	530	1171	1907	5133	1987	920	727	318.1
MEAN	13.3	1.86	12.6	13.9	18.9	37.8	63.6	166	66.2	29.7	23.5	10.6
AC-FT	817	111	772	857	1050	2320	3780	10180	3940	1820	1440	631
MAX	17	7.8	16	18	26	50	157	258	134	54	27	18
MIN	12	1.4	2.0	11	16	27	26	78	34	25	10	7.9

CAL YR 1993 TOTAL 17441.13 MEAN 47.8 MAX 462 MIN 0.70 AC-FT 34590  
WTR YR 1994 TOTAL 13982.3 MEAN 38.3 MAX 258 MIN 1.4 AC-FT 27730

MAX DISCH 268 CFS AT 0100 17-MAY-1994 GH 4.85 FT. SHIFT 0.04 FT. MAX GH 4.85 FT. AT 0100 17-MAY-1994



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.**--40 mi<sup>2</sup>.

**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.

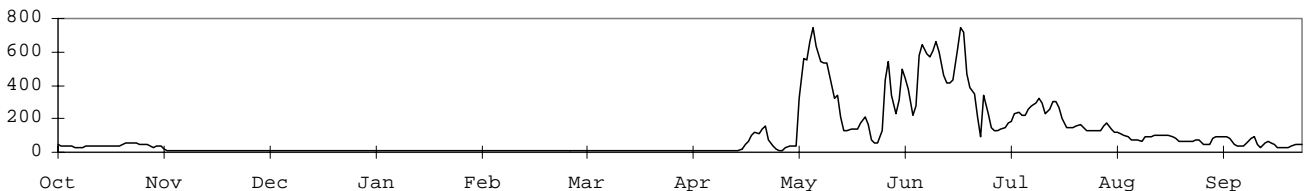
**REMARKS.**--Flow completely regulated by Platoro Reservoir (station 08244500). Record is complete and reliable except for Nov. 15-17, 1993 when the floats were frozen and Nov. 18, 1993-Apr. 19, 1994 when the station was closed for the winter. Gage-height was affected by backwater due to the placement of a rock dam on the control Jul. 3-6, 1994. Record is good except for periods of no gage-height record and backwater affected record which are fair. Station maintained and records developed by Div. III staff.

**RATING TABLE.**--CONPLACO12 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	21	9.5	9.5	7.4	7.8	8.2	8.0	544	151	126	49
2	35	7.4	9.5	9.5	7.5	7.8	8.2	26	336	128	126	43
3	35	7.4	9.5	9.5	7.5	7.8	8.3	40	230	126	154	50
4	35	7.2	9.5	9.5	7.5	7.9	8.3	40	314	137	174	82
5	35	7.0	9.5	9.5	7.5	7.9	8.3	40	495	149	141	95
6	29	7.0	9.5	9.5	7.5	7.9	8.3	319	443	174	123	95
7	24	7.2	9.5	9.5	7.5	7.9	8.3	558	377	186	122	95
8	32	7.4	9.5	9.5	7.5	7.9	8.3	553	221	233	109	94
9	41	7.3	9.5	9.5	7.5	7.9	8.3	658	275	236	101	84
10	41	7.2	9.5	9.5	7.6	7.9	8.3	742	579	225	91	46
11	41	8.1	9.5	9.5	7.6	7.9	8.4	633	644	225	73	34
12	41	8.4	9.5	9.5	7.6	8.0	8.4	539	591	253	69	34
13	41	8.4	9.5	9.5	7.6	8.0	8.4	536	570	275	69	34
14	41	8.4	9.5	9.5	7.6	8.0	8.4	536	608	290	67	57
15	41	8.8	9.5	9.5	7.6	8.0	8.4	454	660	324	91	85
16	41	8.8	9.5	9.5	7.6	8.0	8.4	319	600	296	96	96
17	41	9.4	9.5	8.5	7.7	8.0	8.4	343	459	233	96	49
18	41	8.2	9.5	7.3	7.7	8.0	8.5	213	411	253	101	29
19	41	5.8	9.5	7.3	7.7	8.1	19	132	410	302	101	51
20	49	5.8	9.5	7.3	7.7	8.1	42	132	433	304	100	65
21	55	5.8	9.5	7.3	7.7	8.1	64	137	612	265	100	57
22	56	5.8	9.5	7.3	7.7	8.1	99	137	743	203	100	43
23	56	7.8	9.5	7.3	7.7	8.1	116	138	719	151	90	28
24	56	9.5	9.5	7.3	7.7	8.1	114	178	465	143	80	24
25	50	9.5	9.5	7.3	7.8	8.1	138	215	387	149	65	25
26	47	9.5	9.5	7.4	7.8	8.1	159	164	345	155	61	25
27	48	9.5	9.5	7.4	7.8	8.2	75	74	208	161	61	35
28	33	9.5	9.5	7.4	7.8	8.2	41	51	93	148	61	42
29	28	9.5	9.5	7.4	---	8.2	17	52	342	128	66	42
30	35	9.5	9.5	7.4	---	8.2	6.8	131	228	127	71	47
31	35	---	9.5	7.4	---	8.2	---	436	---	127	72	---
TOTAL	1269	252.1	294.5	263.3	213.4	248.4	1040.9	8534.0	13342	6257	2957	1635
MEAN	40.9	8.40	9.50	8.49	7.62	8.01	34.7	275	445	202	95.4	54.5
AC-FT	2520	500	584	522	423	493	2060	16930	26460	12410	5870	3240
MAX	56	21	9.5	9.5	7.8	8.2	159	742	743	324	174	96
MIN	24	5.8	9.5	7.3	7.4	7.8	6.8	8.0	93	126	61	24
CAL YR 1993 TOTAL		36460.8	MEAN	99.9	MAX	792	MIN	5.4	AC-FT	72320		
WTR YR 1994 TOTAL		36306.6	MEAN	99.5	MAX	743	MIN	5.8	AC-FT	72010		

MAX DISCH 791 CFS AT 0715 22-JUN-1994 GH 3.40 FT. SHIFT -0.07 FT. MAX GH 3.40 FT. AT 0715 22-JUN-1994



RIO GRANDE BASIN

08246500 CONEJOS RIVER NEAR MOGOTE, CO

**LOCATION.**--Lat 37°03'14", long 106°11'13", in SE¼SE¼ sec. 34, T.33 N., R.7 E., Conejos County, Hydrologic Unit 13010005, on left bank 75 ft downstream from bridge on State Highway 174, 0.4 mi downstream from Fox Creek, 5.3 mi west of Mogote, and 10 mi west of Antonito.

**DRAINAGE AREA.**--282 mi<sup>2</sup>.

**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.**--Diversions for irrigation upstream from station and some regulation by Platoro Reservoir (station 08244500). Record is complete and reliable except for Mar. 4, 1994 due to clock stopping and missing satellite record; Dec. 22-29, 1993; Jan. 4-7, 14-25, 27, 31, 1994 due to the well freezing. Stage-discharge relation was affected by ice Nov. 27-30; Dec. 1-2, 4-5, 14-21, 30-31, 1993; Jan. 1-3, 8-13, 26, 28-30; Feb. 1-24; Mar. 6-7, 1994. Record is good, except for the periods of no gage-height and ice affected record which are fair. Station maintained and records developed by Div. III staff.

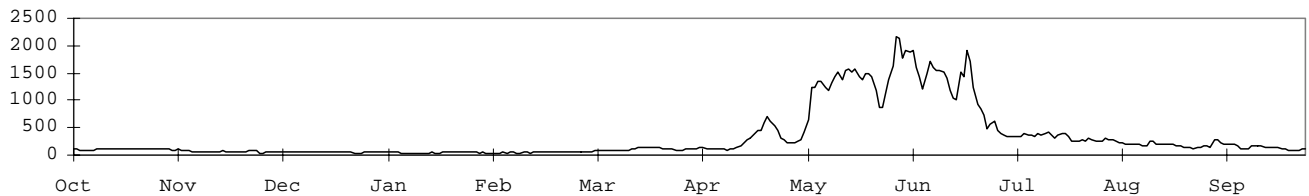
**RATING TABLE.**--CONMOGCO12 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	102	64	54	34	56	113	236	2150	460	253	167
2	102	93	62	52	35	57	125	225	2140	405	302	151
3	94	73	63	52	38	63	117	248	1770	366	283	271
4	92	72	61	54	42	74	133	277	1900	343	277	288
5	91	69	64	58	44	79	127	416	1890	333	266	232
6	90	57	64	38	42	89	105	639	1900	328	228	209
7	95	58	65	36	47	89	114	1250	1600	342	211	199
8	102	63	62	38	47	96	101	1250	1420	335	204	194
9	105	57	63	39	42	87	106	1340	1200	387	183	183
10	115	58	66	40	42	84	104	1350	1480	358	185	164
11	111	70	70	39	47	83	100	1240	1700	352	194	126
12	109	70	64	40	43	79	92	1190	1590	348	203	117
13	108	65	54	39	41	74	104	1330	1540	381	178	123
14	106	73	48	42	44	84	124	1440	1550	379	172	170
15	107	66	54	43	47	101	149	1520	1530	401	247	176
16	105	59	47	41	49	119	177	1380	1410	417	244	182
17	111	60	48	40	52	147	226	1540	1190	360	203	178
18	115	62	50	45	52	149	284	1580	1050	319	197	132
19	111	63	50	45	47	150	321	1510	1020	373	194	135
20	109	54	50	44	47	150	359	1570	1510	400	184	144
21	113	54	48	45	50	129	442	1440	1440	385	192	152
22	117	71	43	45	47	132	446	1390	1900	343	185	138
23	117	88	35	45	45	129	594	1480	1700	266	172	118
24	114	72	32	47	54	123	694	1490	1240	241	157	102
25	115	38	39	45	64	120	627	1440	938	248	150	95
26	112	32	50	46	63	106	541	1170	841	267	137	93
27	101	48	56	44	60	105	462	874	721	261	129	91
28	109	58	56	43	56	81	308	878	484	314	124	97
29	102	64	54	42	---	96	288	1120	562	274	128	101
30	83	64	54	43	---	92	233	1380	611	262	139	102
31	95	---	52	35	---	100	---	1640	---	248	158	---
TOTAL	3259	1933	1688	1359	1321	3123	7716	35833	41977	10496	6079	4630
MEAN	105	64.4	54.5	43.8	47.2	101	257	1156	1399	339	196	154
AC-FT	6460	3830	3350	2700	2620	6190	15300	71070	83260	20820	12060	9180
MAX	117	102	70	58	64	150	694	1640	2150	460	302	288
MIN	83	32	32	35	34	56	92	225	484	241	124	91

CAL YR 1993 TOTAL 137618 MEAN 377 MAX 2070 MIN 32 AC-FT 273000  
WTR YR 1994 TOTAL 119414 MEAN 327 MAX 2150 MIN 32 AC-FT 236900

MAX DISCH 2410 CFS AT 0630 02-JUN-1994 GH 5.77 FT. SHIFT -0.16 FT. MAX GH 5.77 FT. AT 0630 02-JUN-1994



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.**--110 mi<sup>2</sup>.

**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 Nov. 25-30, 1993 when the float was affected by ice; Dec. 1, 1993-Mar. 4, 1994 when the station was closed for the winter. The stage-discharge relation was affected by ice Mar. 5-16, 27-29, 1994. There was no flow Jul. 6-28, 1994. Record is good except for periods of no gage-height and ice affected record which are fair. Station maintained and records developed by Div. III staff.

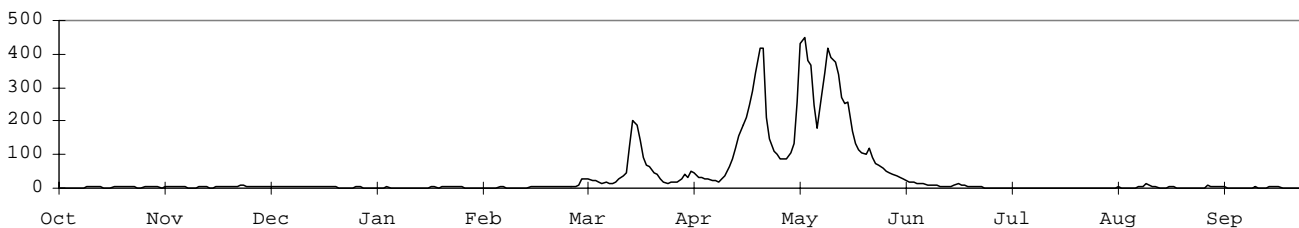
**RATING TABLE.**--SANORTCO12 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	4.8	3.2	1.9	1.8	5.0	26	88	47	0.37	0.91	0.77
2	1.2	5.0	3.0	1.8	1.9	8.0	39	88	42	0.25	0.62	8.4
3	1.4	4.6	2.9	1.8	2.0	26	33	107	37	0.20	0.22	4.8
4	1.6	4.3	2.5	1.9	2.1	27	51	134	32	0.15	1.5	4.4
5	1.7	3.8	2.8	2.8	2.2	26	48	258	27	0.01	1.9	4.9
6	1.6	3.2	2.6	1.7	2.1	22	31	433	24	0.0	2.0	3.1
7	1.6	2.8	2.7	1.6	2.3	23	31	449	19	0.0	3.0	2.3
8	1.7	1.6	2.8	1.8	2.3	17	26	380	17	0.0	1.3	1.6
9	2.7	1.4	3.0	1.9	2.0	15	28	367	15	0.0	0.60	1.2
10	3.0	1.4	3.0	2.0	2.0	17	25	248	13	0.0	0.17	1.5
11	2.6	2.6	3.0	1.9	2.1	15	24	178	12	0.0	0.05	1.0
12	2.6	3.7	2.8	2.0	1.8	13	20	281	11	0.0	2.1	0.78
13	2.3	3.0	2.6	1.9	1.6	18	26	345	9.7	0.0	5.1	0.89
14	2.2	2.0	2.5	2.1	1.8	26	36	417	8.6	0.0	3.5	0.85
15	2.0	1.6	2.7	2.2	2.0	35	65	390	7.2	0.0	12	1.7
16	2.1	3.9	2.4	2.0	2.5	45	85	374	6.1	0.0	9.6	2.6
17	2.5	4.6	2.5	1.9	3.4	125	119	340	5.2	0.0	4.7	1.9
18	3.3	5.2	2.7	2.3	3.6	200	157	272	5.0	0.0	2.4	1.9
19	5.7	4.4	2.6	2.3	3.0	190	186	251	6.4	0.0	1.4	1.8
20	4.1	3.9	2.7	2.2	3.1	142	212	258	9.2	0.0	1.1	2.5
21	3.5	4.2	2.5	2.3	3.3	90	250	172	12	0.0	1.3	2.6
22	3.0	5.4	2.2	2.3	3.1	67	288	135	11	0.0	4.2	2.4
23	2.4	7.0	2.0	2.3	2.9	65	344	116	8.2	0.0	2.3	2.4
24	2.2	7.1	1.7	2.5	3.4	46	419	104	6.0	0.0	1.6	2.0
25	2.2	2.8	2.0	2.3	5.0	39	419	102	4.8	0.0	1.3	2.1
26	2.3	2.6	2.2	2.4	5.0	29	213	118	4.0	0.0	1.0	1.8
27	2.5	2.9	2.5	2.3	5.0	20	145	90	3.0	0.0	0.70	1.7
28	2.4	3.1	2.4	2.2	5.0	13	111	75	2.4	0.0	0.76	1.7
29	3.4	3.2	2.2	2.1	---	18	102	70	1.6	0.17	2.0	2.1
30	3.6	3.2	2.1	2.2	---	20	88	60	0.70	1.7	0.60	2.3
31	2.2	---	1.8	1.9	---	19	---	52	---	1.2	0.33	---
TOTAL	76.6	109.3	78.6	64.8	78.3	1421.0	3647	6752	407.10	4.07	70.26	69.99
MEAN	2.47	3.64	2.54	2.09	2.80	45.8	122	218	13.6	0.13	2.27	2.33
AC-FT	152	217	156	129	155	2820	7230	13390	807	8.1	139	139
MAX	5.7	7.1	3.2	2.8	5.0	200	419	449	47	1.7	12	8.4
MIN	1.0	1.4	1.7	1.6	1.6	5.0	20	52	0.70	0.0	0.05	0.77

CAL YR 1993 TOTAL 16781.43 MEAN 46.0 MAX 618 MIN 0.00 AC-FT 33290  
WTR YR 1994 TOTAL 12779.03 MEAN 35.0 MAX 449 MIN 0.00 AC-FT 25350

MAX DISCH 608 CFS AT 0345 07-MAY-1994 GH 4.06 FT. SHIFT 0.06 FT. MAX GH 4.06 FT. AT 0345 07-MAY-1994



RIO GRANDE BASIN

08248000 LOS PINOS RIVER NEAR ORTIZ, CO

**Location.**--Lat 36°58'56", long 106°04'23", on line between secs. 26 and 27, T.32 N., R.8 E., Rio Arriba County, New Mexico, Hydrologic Unit 13010005, on left bank 0.9 mi south of Colorado-New Mexico State line, 2.1 mi southwest of Ortiz, and 2.9 mi upstream from mouth.

**DRAINAGE AREA.**--167 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in a metal pipe shelter and well with supplemental outside chain gage. Elevation of gage is 8,040 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable except for Dec. 23-24, 26-31, 1993; Jan. 1-3, 1994 when floats were frozen; Jan. 4-Mar. 4, 1994 when station was closed for winter. Stage-discharge relation affected by ice Oct. 30-31; Nov. 15-21, 24-30; Dec. 1-22, 25, 1993; Mar. 5-17, 27-29, 1994. Record is good except for periods of no gage-height and ice affected record which are fair. Station maintained and records developed by Div. III staff.

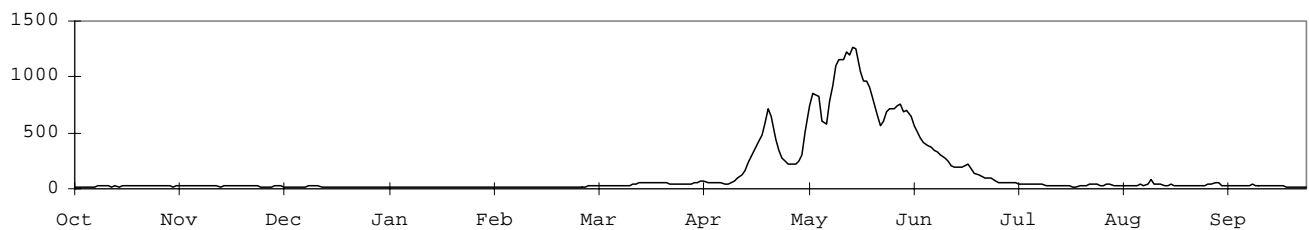
**RATING TABLE.**--LOSORTCO12 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	30	21	17	11	20	46	218	744	58	29	38
2	18	27	20	16	11	22	56	214	751	54	42	38
3	17	23	19	16	11	26	54	242	687	56	35	50
4	18	21	18	17	12	27	69	309	706	55	30	53
5	18	22	20	19	13	28	69	514	640	52	34	34
6	18	23	19	15	12	27	61	744	559	50	32	29
7	18	26	20	13	14	27	55	854	506	45	31	27
8	27	30	20	15	14	27	53	839	452	44	30	27
9	22	29	22	16	12	24	52	821	413	43	29	25
10	23	29	22	16	12	26	49	611	384	44	28	24
11	23	29	22	15	13	28	48	573	369	43	34	23
12	20	26	21	16	12	26	46	783	344	41	38	24
13	21	15	19	15	12	28	51	918	327	39	34	25
14	20	22	17	15	13	33	71	1100	305	39	36	38
15	22	24	18	16	14	37	97	1150	278	34	86	31
16	21	24	17	15	16	46	122	1160	243	29	43	25
17	24	25	18	14	18	60	169	1220	212	27	36	24
18	30	24	18	16	18	61	233	1200	197	27	39	25
19	28	26	18	16	15	58	291	1260	192	24	34	27
20	26	25	18	16	16	61	346	1250	195	22	31	25
21	24	27	17	16	17	53	422	1050	200	22	36	26
22	24	30	16	16	16	52	484	964	220	23	33	24
23	24	31	15	16	15	53	598	963	175	20	27	21
24	24	25	14	17	16	50	720	905	139	19	26	19
25	23	16	15	16	19	50	650	808	126	21	26	19
26	25	14	17	16	19	47	439	657	111	32	25	19
27	21	16	20	15	19	42	339	563	102	26	25	19
28	22	19	19	13	20	36	281	599	96	42	23	18
29	29	21	17	12	---	38	247	685	93	35	23	18
30	20	21	16	13	---	38	221	719	63	38	22	18
31	25	---	16	11	---	39	---	712	---	31	25	---
TOTAL	693	720	569	475	410	1190	6439	24605	9829	1135	1022	813
MEAN	22.4	24.0	18.4	15.3	14.6	38.4	215	794	328	36.6	33.0	27.1
AC-FT	1370	1430	1130	942	813	2360	12770	48800	19500	2250	2030	1610
MAX	30	31	22	19	20	61	720	1260	751	58	86	53
MIN	17	14	14	11	11	20	46	214	63	19	22	18

CAL YR 1993 TOTAL 63040 MEAN 173 MAX 1570 MIN 12 AC-FT 125000  
WTR YR 1994 TOTAL 47900 MEAN 131 MAX 1260 MIN 11 AC-FT 95010

MAX DISCH 1540 CFS AT 0045 20-MAY-1994 GH 5.87 FT. SHIFT -0.23 FT. MAX GH 5.87 FT. AT 0045 20-MAY-1994



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO

**LOCATION.**--Lat 37°10'38", long 105°52'35", in SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> 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 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 7,650 ft. from topographic map.

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 16-22, 25, 1993 when the well was frozen; Nov. 26, 1993-Mar. 11, 1994 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 23-24, 1993 and affected by backwater from beaver dams Oct. 19-31; Nov. 1-15, 1993; Mar. 12-13; Jul. 15, 1994. Record is good except for periods of no gage-height record, ice affected record and backwater affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

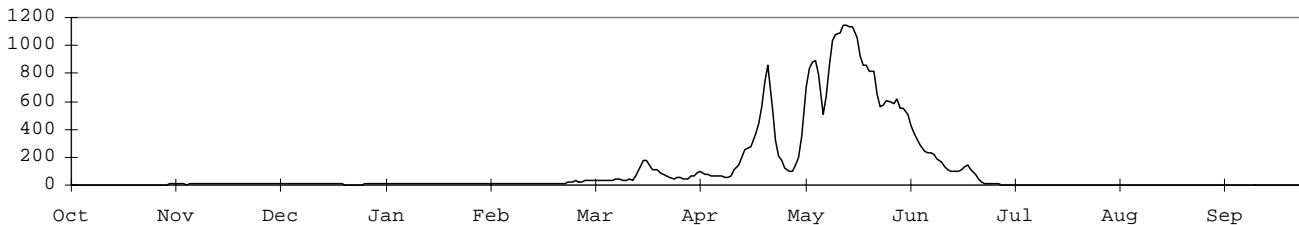
**RATING TABLE.**--SANMANCO18 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	6.5	8.0	6.0	7.0	27	47	104	581	6.7	0.0	0.0
2	0.0	7.9	7.6	6.6	6.4	28	63	99	612	5.9	0.0	0.0
3	0.0	6.6	8.0	6.4	7.4	31	69	141	553	4.7	0.0	0.0
4	0.0	5.0	7.4	6.8	8.2	31	83	198	548	4.0	0.0	0.0
5	0.0	7.9	8.0	8.0	9.2	31	98	357	508	3.0	0.0	0.0
6	0.0	9.2	7.6	7.0	8.6	32	81	703	429	2.7	0.0	0.0
7	0.0	7.7	7.6	6.4	11	32	73	833	374	2.0	0.0	0.0
8	0.0	6.3	7.6	6.6	11	38	64	881	325	1.8	0.0	0.0
9	0.0	5.6	7.6	6.8	9.4	35	61	897	284	1.6	0.0	0.0
10	0.0	6.1	7.6	6.8	9.0	36	63	796	246	1.4	0.0	0.0
11	0.0	6.4	7.6	6.4	11	40	61	503	231	1.0	0.0	0.0
12	0.0	8.6	9.0	6.4	10	39	57	641	229	0.86	0.0	0.0
13	0.0	11	7.0	7.2	9.0	34	54	859	216	0.86	0.0	0.0
14	0.0	9.9	6.2	7.2	10	37	65	1030	191	0.86	0.0	0.0
15	0.0	7.3	6.2	7.2	10	41	105	1080	162	0.45	0.0	0.0
16	0.0	7.2	7.0	7.2	11	34	145	1090	137	0.15	0.0	0.0
17	0.0	7.2	6.2	7.2	13	63	203	1150	114	0.0	0.0	0.0
18	0.0	7.2	6.2	7.6	15	129	258	1150	102	0.0	0.0	0.0
19	1.0	8.4	6.2	7.4	14	177	263	1130	98	0.0	0.0	0.0
20	0.81	7.4	5.6	7.4	14	174	280	1130	97	0.01	0.0	0.0
21	0.67	7.4	5.0	7.4	16	145	362	1060	112	0.77	0.0	0.0
22	1.0	8.6	5.4	7.4	15	113	443	926	137	2.2	0.0	0.0
23	1.2	9.6	5.0	7.4	14	106	557	861	138	3.0	0.0	0.0
24	0.74	8.4	5.0	9.0	16	85	734	860	110	1.2	0.0	0.0
25	0.73	7.4	5.2	8.0	20	76	857	820	80	0.0	0.0	0.0
26	0.47	7.4	5.2	10	23	65	549	810	41	0.0	0.0	0.0
27	0.27	7.4	6.0	9.0	28	58	317	649	23	0.0	0.0	0.0
28	0.95	7.6	6.4	8.0	26	45	214	564	15	0.0	0.0	0.0
29	4.5	8.0	5.8	8.0	---	52	172	575	12	0.0	0.0	0.0
30	6.3	8.0	5.8	8.6	---	56	123	607	7.6	0.0	0.0	0.0
31	6.4	---	6.2	7.0	---	47	---	593	---	0.0	0.0	---
TOTAL	25.04	229.2	205.2	228.4	362.2	1937	6521	23097	6712.6	45.15	0.0	0.0
MEAN	0.81	7.64	6.62	7.37	12.9	62.5	217	745	224	1.46	0.0	0.0
AC-FT	50	455	407	453	718	3840	12930	45810	13310	90	0.0	0.0
MAX	6.4	11	9.0	10	28	177	857	1150	612	6.7	0.0	0.0
MIN	0.0	5.0	5.0	6.0	6.4	27	47	99	7.6	0.0	0.0	0.0

CAL YR 1993 TOTAL 58720.74 MEAN 161 MAX 1590 MIN 0.00 AC-FT 116500  
WTR YR 1994 TOTAL 39362.79 MEAN 108 MAX 1150 MIN 0.00 AC-FT 78080

MAX DISCH 1220 CFS AT 1715 17-MAY-1994 GH 6.62 FT. SHIFT -0.31 FT. MAX GH 6.62 FT. AT 1715 17-MAY-1994



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.**--887 mi<sup>2</sup>.

**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 Nov. 26, 30; Dec. 1-2, 1993 due to the chart recorder clock stopping and incomplete satellite data; Apr. 24-25, 1994 due to the floats catching on the winter floor. Stage-discharge relation affected by ice Nov. 27-28; Dec. 16-31, 1993; Jan. 1-4, 7-14, 17, 29-31; Feb. 1-4, 23, 1994. Record good except for periods of no gage height and ice affected record which are fair. Station maintained and records developed by Div. III staff.

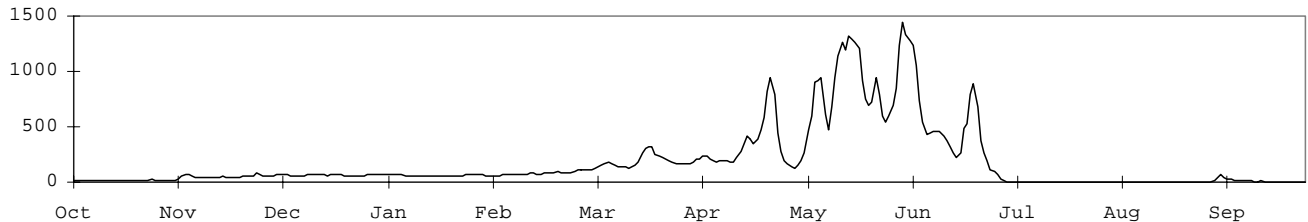
**RATING TABLE.**--NORLASCO12 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	27	70	64	60	112	167	134	853	66	0.03	6.5
2	12	54	67	66	60	111	185	125	1230	28	0.03	6.3
3	12	68	66	64	58	114	211	152	1450	8.7	0.48	7.7
4	12	64	61	66	62	123	204	197	1330	3.4	0.27	36
5	12	59	59	68	67	138	238	259	1280	2.7	0.20	68
6	12	48	61	68	63	146	234	469	1230	2.4	0.13	39
7	12	46	60	60	63	160	202	595	1060	2.2	0.08	29
8	12	42	61	60	66	177	201	909	743	1.9	0.03	21
9	13	41	63	62	65	166	187	914	540	1.7	0.0	18
10	13	42	64	62	66	147	192	946	424	1.8	0.0	16
11	14	41	65	56	70	142	194	609	439	2.1	0.0	14
12	15	39	74	56	76	145	194	477	460	1.8	0.0	12
13	14	40	70	58	79	137	175	677	462	1.3	0.0	11
14	13	49	66	58	79	127	179	947	457	1.0	0.91	9.7
15	13	45	62	58	76	139	219	1140	416	1.00	1.1	6.2
16	13	43	68	57	76	150	282	1270	372	0.90	1.4	6.4
17	14	42	64	58	81	185	348	1200	322	0.75	2.7	7.4
18	14	42	65	58	85	258	423	1320	259	0.60	2.8	6.8
19	15	44	64	57	84	312	395	1290	228	0.61	2.5	4.7
20	19	54	59	57	88	320	347	1260	264	0.47	2.5	4.1
21	20	53	58	58	91	313	384	1210	493	0.48	2.6	4.8
22	16	52	62	59	88	250	479	923	530	0.38	3.3	4.2
23	17	60	59	60	86	240	578	746	794	0.28	3.2	3.0
24	21	79	58	62	84	226	815	701	891	0.28	3.1	2.6
25	15	74	60	63	88	208	942	721	685	0.28	3.4	2.5
26	16	61	61	67	95	198	798	948	381	0.25	3.7	2.4
27	16	56	68	66	105	186	441	785	265	0.37	3.7	2.0
28	16	49	70	65	109	173	283	591	189	0.67	4.0	1.6
29	17	54	64	64	---	160	197	545	107	0.50	3.9	1.2
30	18	64	64	64	---	169	169	599	96	0.33	3.9	0.81
31	19	---	66	60	---	164	---	695	---	0.10	4.8	---
TOTAL	458	1532	1979	1901	2170	5596	9863	23354	18250	133.27	54.76	354.91
MEAN	14.8	51.1	63.8	61.3	77.5	181	329	753	608	4.30	1.77	11.8
AC-FT	908	3040	3930	3770	4300	11100	19560	46320	36200	264	109	704
MAX	21	79	74	68	109	320	942	1320	1450	66	4.8	68
MIN	12	27	58	56	58	111	167	125	96	0.10	0.0	0.81

CAL YR 1993 TOTAL 94098.4 MEAN 258 MAX 1880 MIN 9.4 AC-FT 186600  
WTR YR 1994 TOTAL 65645.94 MEAN 180 MAX 1450 MIN 0.00 AC-FT 130200

MAX DISCH 1495 CFS AT 0745 03-JUN-1994 GH 5.96 FT. SHIFT -0.11 FT. MAX GH 5.96 FT. AT 0745 03-JUN-1994



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 LaSausés, and 13 mi southeast of Alamosa.

**DRAINAGE.**--887 mi².

**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. 9-13, 16-31, 1993; Jan. 1-3, 1994 when the floats were frozen. Jan. 4-Mar. 1, 1994 when the station was closed for the winter. Stage-discharge relation affected by ice Nov. 19-21, 25-30; Dec. 1-8, 14-15, 1993. Stage-discharge relation affected by backwater Oct. 1-6, 14-26, 1993; Jun. 12-29, 1994. There was no flow Oct. 7-13, 1993, Jul. 18-31; Aug. 1-31; Sep. 1-5, 8-26, 1994. Record is good except for periods of no gage-height, ice affected record, and backwater affected record which are fair. Station maintained and records developed by Div. III staff.

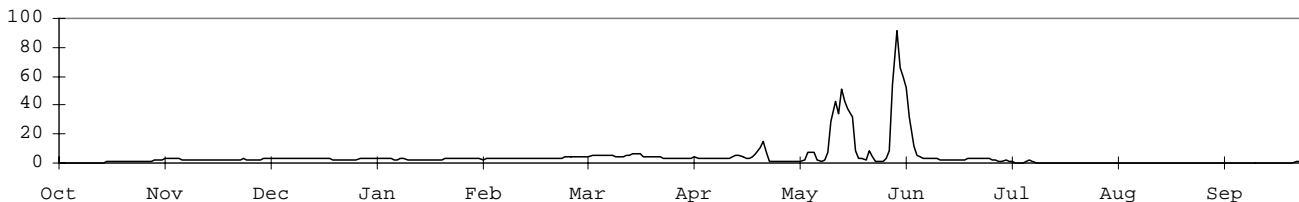
**RATING TABLE.**--SOULASCO06 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.45	2.8	3.4	2.8	2.8	4.0	3.0	0.71	8.1	1.9	0.0	0.0
2	0.28	2.8	3.4	3.0	2.6	4.0	3.2	0.65	54	1.6	0.0	0.0
3	0.20	3.7	2.8	2.9	2.7	4.2	3.6	0.73	92	1.2	0.0	0.0
4	0.10	3.7	2.8	3.0	2.8	4.4	3.3	0.69	66	0.67	0.0	0.0
5	0.03	3.3	2.9	3.1	3.0	4.7	3.8	0.83	60	1.6	0.0	0.0
6	0.01	2.4	3.2	3.1	2.9	4.9	3.7	1.3	52	0.82	0.0	0.14
7	0.0	2.3	3.2	2.6	2.9	5.1	3.1	2.5	32	0.67	0.0	0.06
8	0.0	1.9	3.4	2.6	3.0	5.6	3.2	7.4	12	0.43	0.0	0.0
9	0.0	1.8	3.3	2.7	2.9	5.6	3.2	7.5	5.4	0.25	0.0	0.0
10	0.0	2.0	3.3	2.7	2.9	5.0	3.3	7.4	3.9	0.16	0.0	0.0
11	0.0	1.7	3.2	2.4	3.0	4.8	3.2	2.3	3.7	1.4	0.0	0.0
12	0.0	1.7	3.2	2.4	3.1	4.9	3.2	0.72	3.6	2.4	0.0	0.0
13	0.0	1.6	2.9	2.5	3.2	4.7	3.0	2.1	3.5	0.93	0.0	0.0
14	0.06	2.6	3.0	2.5	3.2	4.3	3.0	7.1	3.3	0.27	0.0	0.0
15	1.4	2.4	3.1	2.5	3.1	4.6	3.4	29	2.9	0.20	0.0	0.0
16	1.4	2.3	2.9	2.5	3.1	5.0	4.3	43	2.0	0.12	0.0	0.0
17	1.4	2.2	2.7	2.5	3.2	5.5	4.9	34	1.9	0.01	0.0	0.0
18	1.4	2.2	2.7	2.5	3.4	6.3	5.4	51	1.8	0.0	0.0	0.0
19	1.5	2.2	2.7	2.5	3.4	6.0	4.1	43	1.7	0.0	0.0	0.0
20	1.5	2.2	2.3	2.5	3.5	5.9	3.5	37	1.7	0.0	0.0	0.0
21	1.5	2.2	2.0	2.6	3.7	4.6	3.7	32	1.6	0.0	0.0	0.0
22	1.4	2.3	2.2	2.7	3.6	4.3	4.6	8.6	2.0	0.0	0.0	0.0
23	1.4	2.5	2.0	2.8	3.7	4.3	6.0	3.0	2.5	0.0	0.0	0.0
24	1.5	3.4	1.8	2.9	3.5	4.2	11	3.0	2.9	0.0	0.0	0.0
25	1.4	2.6	2.1	2.9	3.7	4.2	15	2.4	2.8	0.0	0.0	0.0
26	1.4	2.0	2.2	3.3	3.8	4.2	7.8	8.4	2.8	0.0	0.0	0.0
27	1.4	1.6	2.6	3.1	3.9	3.6	1.3	3.8	2.8	0.0	0.0	0.10
28	1.5	1.6	2.9	3.1	3.9	3.4	0.73	1.1	2.7	0.0	0.0	0.64
29	2.4	2.0	2.7	3.0	---	3.2	0.61	0.98	2.7	0.0	0.0	1.0
30	2.0	2.8	2.7	3.0	---	3.2	0.61	1.4	2.7	0.0	0.0	0.40
31	1.8	---	2.9	2.8	---	3.1	---	3.2	---	0.0	0.0	---
TOTAL	27.44	70.8	86.5	85.5	90.5	141.8	122.75	346.82	437.0	14.64	0.0	2.34
MEAN	0.89	2.36	2.79	2.76	3.23	4.57	4.09	11.2	14.6	0.47	0.0	0.08
AC-FT	54	140	172	170	180	281	243	688	867	29	0.0	4.6
MAX	2.4	3.7	3.4	3.3	3.9	6.3	15	51	92	2.4	0.0	1.0
MIN	0.0	1.6	1.8	2.4	2.6	3.1	0.61	0.65	1.6	0.0	0.0	0.0

CAL YR 1993 TOTAL 2325.19 MEAN 6.37 MAX 233 MIN 0.00 AC-FT 4610  
WTR YR 1994 TOTAL 1426.08 MEAN 3.91 MAX 92 MIN 0.00 AC-FT 2830

MAX DISCH 103 CFS AT 0745 03-JUN-1994 GH 2.46 FT. SHIFT -0.17 FT. MAX GH 2.46 FT. AT 0745 03-JUN-1994





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.**--887 mi<sup>2</sup>.

**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).

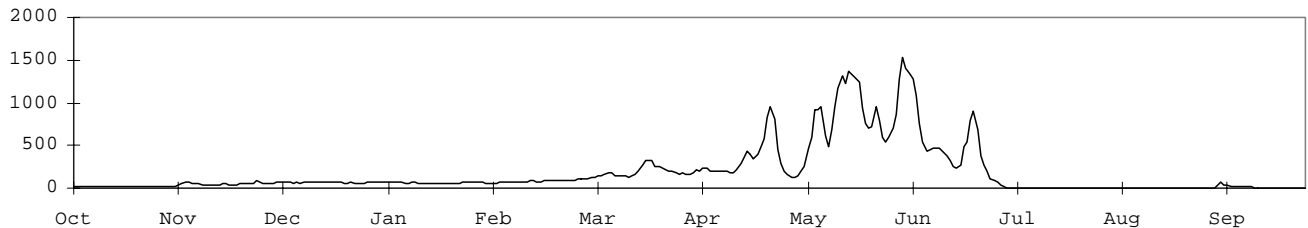
**REMARKS.**--Diversion for irrigation of about 75,000 acres upstream from station. Records should be good except for periods of no gage-height, ice affected record, and backwater affected record which are fair. Stations maintained and records developed by Div. III staff.

**COMBINED CONEJOS RIVER (MORLASCO, SOULASCO)**

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	30	73	67	63	116	170	135	861	68	0.03	6.5
2	12	57	70	69	63	115	188	126	1280	30	0.03	6.3
3	12	72	69	67	61	118	215	153	1540	9.9	0.48	7.7
4	12	68	64	69	65	127	207	198	1400	4.1	0.27	36
5	12	62	62	71	70	143	242	260	1340	4.3	0.20	68
6	12	50	64	71	66	151	238	470	1280	3.2	0.13	39
7	12	48	63	63	66	165	205	598	1090	2.9	0.08	29
8	12	44	64	63	69	183	204	916	755	2.3	0.03	21
9	13	43	66	65	68	172	190	922	545	1.9	0.0	18
10	13	44	67	65	69	152	195	953	428	2.0	0.0	16
11	14	43	68	58	73	147	197	611	443	3.5	0.0	14
12	15	41	77	58	79	150	197	478	464	4.2	0.0	12
13	14	42	73	60	82	142	178	679	466	2.2	0.0	11
14	13	52	69	60	82	131	182	954	460	1.3	0.91	9.7
15	14	47	65	60	79	144	222	1170	419	1.2	1.1	6.2
16	14	45	71	60	79	155	286	1310	374	1.0	1.4	6.4
17	15	44	67	60	84	190	353	1230	324	0.76	2.7	7.4
18	15	44	68	60	88	264	428	1370	261	0.60	2.8	6.8
19	16	46	67	60	87	318	399	1330	230	0.61	2.5	4.7
20	20	56	61	60	92	326	350	1300	266	0.47	2.5	4.1
21	22	55	60	61	95	318	388	1240	495	0.48	2.6	4.8
22	17	54	64	62	92	254	484	932	532	0.38	3.3	4.2
23	18	62	61	63	90	244	584	749	796	0.28	3.2	3.0
24	22	82	60	65	88	230	826	704	894	0.28	3.1	2.6
25	16	77	62	66	92	212	957	723	688	0.28	3.4	2.5
26	17	63	63	70	99	202	806	956	384	0.25	3.7	2.4
27	17	58	71	69	109	190	442	789	268	0.37	3.7	2.1
28	18	51	73	68	113	176	284	592	192	0.68	4.0	2.2
29	19	56	67	67	---	163	198	546	110	0.50	3.9	2.2
30	20	67	67	67	---	172	170	600	99	0.33	3.9	1.2
31	21	---	69	63	---	167	---	698	---	0.10	4.8	---
TOTAL	480	1603	2065	1987	2263	5737	9985	23692	18684	148.39	54.77	357.0
MEAN	15.5	53.4	66.6	64.1	80.8	185	333	764	623	4.79	1.77	11.9
AC-FT	952	3180	4100	3940	4490	11380	19810	46990	37060	294	109	708
MAX	22	82	77	71	113	326	957	1370	1540	68	4.8	68
MIN	12	30	60	58	61	115	170	126	99	0.10	0.0	1.2

CAL YR 1993 TOTAL	96438.5	MEAN	264	MAX	2110	MIN	9.5	AC-FT	191300
WTR YR 1994 TOTAL	67056.16	MEAN	184	MAX	1540	MIN	0.00	AC-FT	133000



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO

**LOCATION.**--Lat 37°11'02", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

**DRAINAGE AREA.**--220 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder and concrete control. Steven's Datalogger installed Mar. 25, 1994. Altitude of gage is 8,000 ft from topographic map.

**REMARKS.**--Flow regulated by Sanchez Reservoir on Ventero Creek. Record is complete and reliable except for Feb. 1-3, 1994 when the recorder clock stopped. Record is good except for periods of no record which are fair. Station maintained and records developed by Division III Hydrographic staff.

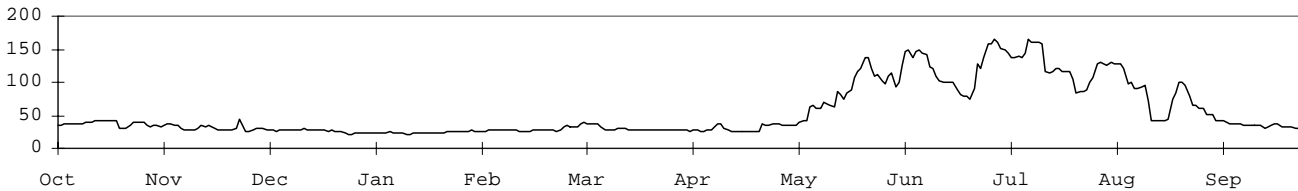
**RATING TABLE.**--CULSANCO05 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	35	29	23	26	32	28	35	110	158	129	60
2	34	38	28	23	26	33	28	35	115	164	130	52
3	37	37	29	23	26	37	27	35	93	161	128	52
4	37	36	26	23	27	39	26	34	99	152	126	51
5	37	35	27	24	28	38	28	34	125	148	130	43
6	37	31	27	25	27	37	27	39	146	144	128	43
7	37	29	27	23	27	38	26	43	148	138	128	43
8	38	29	27	23	28	37	25	42	138	138	129	39
9	40	29	28	23	28	32	28	62	146	139	121	37
10	40	29	29	23	27	29	29	66	150	138	97	37
11	40	31	29	22	28	29	32	61	144	144	99	37
12	41	34	30	22	28	29	37	61	143	165	91	38
13	41	33	29	23	25	29	37	69	124	161	90	36
14	41	34	28	23	26	31	31	68	120	161	92	34
15	41	32	28	23	26	31	28	65	110	161	96	34
16	41	30	28	23	26	31	26	63	102	158	73	34
17	43	29	28	23	29	29	26	87	99	117	43	34
18	41	29	27	23	29	28	26	81	100	113	41	34
19	31	29	26	23	28	27	26	75	101	117	41	31
20	31	28	27	23	28	28	25	83	100	121	41	32
21	31	29	26	23	28	28	25	88	88	122	42	35
22	35	31	26	24	28	29	25	106	81	117	44	37
23	40	45	26	25	27	28	26	117	79	116	74	37
24	40	35	24	25	26	27	26	121	80	116	84	33
25	40	25	22	26	28	27	37	137	74	104	101	32
26	40	26	22	26	32	29	35	138	90	84	99	32
27	35	29	23	26	34	29	35	121	128	85	96	32
28	32	30	23	26	33	28	38	110	122	85	80	31
29	35	31	23	26	---	29	38	112	137	89	66	30
30	34	31	23	27	---	28	38	102	159	99	66	30
31	33	---	23	26	---	29	---	98	---	107	60	---
TOTAL	1159	949	818	741	779	955	889	2388	3451	4022	2765	1130
MEAN	37.4	31.6	26.4	23.9	27.8	30.8	29.6	77.0	115	130	89.2	37.7
AC-FT	2300	1880	1620	1470	1550	1890	1760	4740	6850	7980	5480	2240
MAX	43	45	30	27	34	39	38	138	159	165	130	60
MIN	31	25	22	22	25	27	25	34	74	84	41	30

CAL YR 1993 TOTAL 19553 MEAN 53.6 MAX 165 MIN 17 AC-FT 38780  
WTR YR 1994 TOTAL 20046 MEAN 54.9 MAX 165 MIN 22 AC-FT 39760

MAX DISCH 172 CFS AT 0445 02-JUN-1994 GH 1.98 FT. SHIFT 0.08 FT. MAX GH 1.98 FT. AT 0445 02-JUN-1994



RIO GRANDE BASIN

08251500 RIO GRANDE NEAR LOBATOS, CO

**LOCATION.**--Lat 37°04'43", long 105°45'23", in NE¼NW¼ sec. 27, T.33 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank at highway bridge, 5.7 mi north of Colorado-New Mexico State line, 8 mi downstream from Culebra Creek, 11 mi east of Lobatos, and 14 mi east of Antonito.

**DRAINAGE AREA.**--7,700 mi<sup>2</sup>. approximately, includes 2,940 mi<sup>2</sup>. in closed basin in northern part of San Luis Valley, Colo.

**GAGE.**--Water-stage recorder with satellite telemetry in a timber shelter on a stone well with outside slope gage. Datum of gage is 7,427.63 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable except for Feb. 2-16, 1994 when the floats were frozen. Stage-discharge relation affected by ice Oct. 30-31; Nov. 16-17, 25-30; Dec. 1-31, 1993; Jan. 1-31; Feb. 1, 17-28; Mar. 1-2, 1994. Record is good except for periods of ice affected and "a" record which are fair. Station maintained and records developed by Div. III staff.

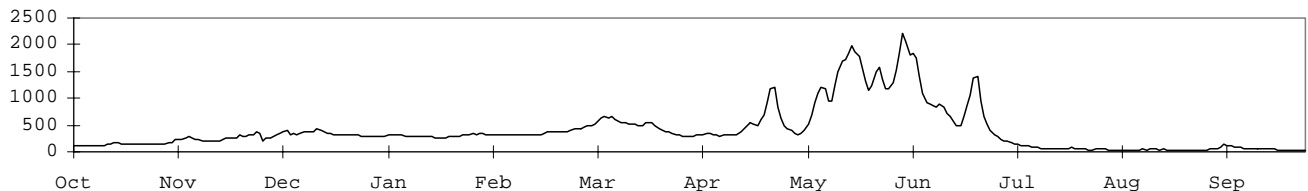
**RATING TABLE.**--RIOLOBCO03 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	233	350	300	320	450	286	390	1520	294	49	35
2	108	224	370	320	320	480	286	346	1830	244	44	44
3	108	269	400	320	320	492	307	325	2220	210	43	48
4	102	289	330	320	320	515	313	357	2080	211	36	59
5	114	261	340	330	320	566	320	390	1820	182	36	100
6	122	228	330	320	310	638	357	507	1850	153	36	131
7	113	216	350	300	330	654	335	683	1740	137	36	125
8	101	210	360	300	330	643	320	921	1410	122	33	104
9	101	204	360	300	330	661	306	1100	1100	108	32	97
10	120	206	370	280	330	614	301	1210	931	108	35	88
11	134	206	380	280	330	571	304	1170	884	99	34	75
12	147	215	430	280	330	552	315	939	848	92	33	63
13	165	209	410	280	330	550	319	946	834	79	56	59
14	168	233	360	280	330	516	303	1230	892	71	41	58
15	154	250	350	280	330	511	306	1500	820	61	56	52
16	143	250	350	270	330	509	363	1690	713	58	58	45
17	141	262	330	270	350	501	424	1730	648	57	46	45
18	142	263	320	270	370	492	498	1830	563	53	40	55
19	152	307	320	270	360	536	550	1970	484	57	44	48
20	152	300	310	280	360	559	518	1870	490	60	37	47
21	153	301	310	290	380	538	495	1780	664	56	36	48
22	152	312	310	290	370	483	607	1560	848	53	33	43
23	146	310	310	290	360	439	697	1320	1050	79	30	39
24	144	374	310	310	380	405	916	1150	1370	68	30	35
25	144	340	300	310	400	374	1190	1240	1420	58	32	35
26	142	210	300	330	420	367	1200	1490	961	58	30	34
27	146	250	300	340	440	335	846	1590	664	50	35	32
28	154	270	300	330	430	327	634	1350	514	41	27	32
29	167	290	300	340	---	309	489	1190	405	43	25	34
30	170	320	300	350	---	291	438	1180	325	50	24	37
31	223	---	300	330	---	298	---	1290	---	58	30	---
TOTAL	4343	7812	10460	9360	9830	15176	14543	36244	31898	3070	1157	1747
MEAN	140	260	337	302	351	490	485	1169	1063	99.0	37.3	58.2
AC-FT	8610	15500	20750	18570	19500	30100	28850	71890	63270	6090	2290	3470
MAX	223	374	430	350	440	661	1200	1970	2220	294	58	131
MIN	101	204	300	270	310	291	286	325	325	41	24	32

CAL YR 1993 TOTAL 201516 MEAN 552 MAX 3850 MIN 85 AC-FT 399700  
WTR YR 1994 TOTAL 145640 MEAN 399 MAX 2220 MIN 24 AC-FT 288900

MAX DISCH 2320 CFS AT 1915 03-JUN-1994 GH 4.07 FT. SHIFT -0.27 FT. MAX GH 4.07 FT. AT 1915 03-JUN-1994



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO

**LOCATION.**--Tarbell ditch diverts water from Lake Fork Cochetopa Creek (tributary to Cochetopa Creek), in NW¼ sec. 18, T.43 N., R.2 E., in Gunnison River basin, to Lake Fork Saguache Creek (tributary to Middle Fork Saguache Creek) in NE¼ sec. 18, T.43 N., R.2 E., in Rio Grande basin.

**DRAINAGE AREA.**--N/A

**GAGE.**--Graphic water-stage recorder at a 2.5' Parshall Flume.

**REMARKS.**--Record is complete and reliable except for Jun. 15-18, 1994 when the clock stopped and Jun. 29-Jul. 7, 1994 when the station was vandalized. Station maintained and records developed by Division III Hydrographic staff.

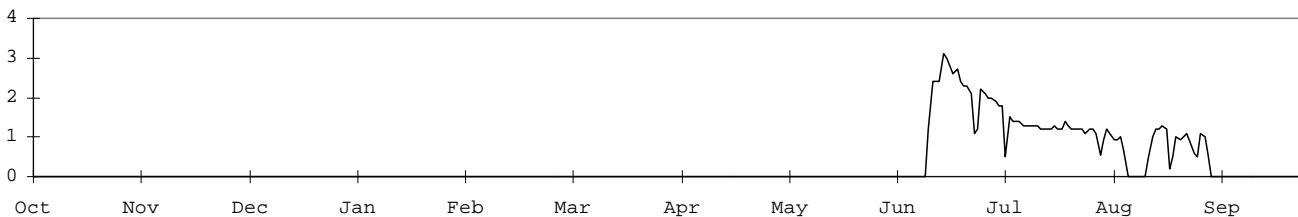
**RATING TABLE.**--TARBELCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	2.1	1.2	1.1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.1	1.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.56	0.54
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.94	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.2	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.1	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.52	0.94	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.94	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.66	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.3	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.3	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.2	0.48	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.2	1.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	1.2	1.2	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.2	1.2	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.3	1.3	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.2	1.2	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.2	0.20	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.4	0.51	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.3	1.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.2	0.94	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.2	1.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.2	1.1	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.2	1.2	0.88	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.2	1.1	0.58	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	1.2	0.52	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.2	42.62	22.75	2.64
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.21	1.37	0.73	0.09
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72	85	45	5.2
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	2.1	1.3	1.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.52	0.0	0.0

CAL YR 1993 TOTAL 55.0 MEAN 0.15 MAX 4.8 MIN 0.00 AC-FT 109  
WTR YR 1994 TOTAL 104.21 MEAN 0.29 MAX 3.1 MIN 0.00 AC-FT 207

MAX DISCH 3.7 CFS AT 1630 20-JUN-1994 GH 0.47 FT. SHIFT 0.06 FT. MAX GH 0.47 FT. AT 1630 20-JUN-1994



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO

LOCATION.--Lat 37°56'30", long 107°09'00"; Tabor ditch diverts water from tributaries of Cebolla Creek in secs, 29 and 36, T.43 N., R.3 W., in Gunnison River basin, to Big Spring Creek (tributary to North Clear Creek) in sec. 35, T.43 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Steven's Data Logger and satellite monitoring system at 3 ft Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Division III Hydrographic staff.

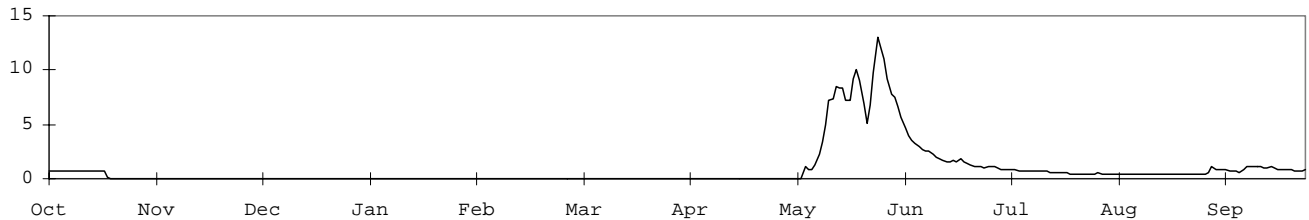
RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	1.1	0.51	0.45
2	0.71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	1.1	0.44	0.52
3	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.98	0.40	1.2
4	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.91	0.40	0.91
5	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.90	0.43	0.80
6	0.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.85	0.42	0.81
7	0.74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.81	0.41	0.79
8	0.71	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.5	0.79	0.43	0.74
9	0.71	0.0	0.0	0.0	0.0	0.0	0.0	0.90	3.2	0.76	0.43	0.72
10	0.72	0.0	0.0	0.0	0.0	0.0	0.0	0.81	3.0	0.72	0.41	0.65
11	0.67	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	0.71	0.47	0.63
12	0.70	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.5	0.67	0.43	0.84
13	0.67	0.0	0.0	0.0	0.0	0.0	0.0	3.4	2.5	0.66	0.46	1.1
14	0.66	0.0	0.0	0.0	0.0	0.0	0.0	4.9	2.3	0.67	0.46	1.1
15	0.64	0.0	0.0	0.0	0.0	0.0	0.0	7.2	2.0	0.68	0.43	1.1
16	0.67	0.0	0.0	0.0	0.0	0.0	0.0	7.4	1.8	0.65	0.42	1.1
17	0.69	0.0	0.0	0.0	0.0	0.0	0.0	8.5	1.7	0.64	0.42	1.1
18	0.11	0.0	0.0	0.0	0.0	0.0	0.0	8.4	1.6	0.62	0.45	1.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	1.6	0.61	0.45	1.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	1.7	0.63	0.44	1.1
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	1.6	0.58	0.43	0.96
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	1.8	0.57	0.41	0.89
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	1.5	0.56	0.41	0.86
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	1.4	0.49	0.43	0.82
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	1.3	0.47	0.41	0.82
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	1.2	0.45	0.40	0.78
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	1.1	0.43	0.38	0.75
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	1.1	0.42	0.44	0.74
29	0.0	0.0	0.0	0.0	---	0.0	0.0	13	1.0	0.41	0.41	0.71
30	0.0	0.0	0.0	0.0	---	0.0	0.0	12	1.1	0.41	0.41	0.85
31	0.0	---	0.0	0.0	---	0.0	---	11	---	0.43	0.46	---
TOTAL	11.92	0.0	0.0	0.0	0.0	0.0	0.0	161.80	88.7	20.72	13.30	25.84
MEAN	0.38	0.0	0.0	0.0	0.0	0.0	0.0	5.22	2.96	0.67	0.43	0.86
AC-FT	24	0.0	0.0	0.0	0.0	0.0	0.0	321	176	41	26	51
MAX	0.74	0.0	0.0	0.0	0.0	0.0	0.0	13	9.2	1.1	0.51	1.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.41	0.38	0.45

CAL YR 1993 TOTAL 532.45 MEAN 1.46 MAX 14 MIN 0.00 AC-FT 1060  
WTR YR 1994 TOTAL 322.30 MEAN 0.88 MAX 13 MIN 0.00 AC-FT 639

MAX DISCH 22 CFS AT 2030 29-MAY-1994 GH 1.45 FT. SHIFT 0.02 FT. MAX GH 1.45 FT. AT 2030 29-MAY-1994



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO

LOCATION.--Treasure Pass diversion ditch diverts water from tributaries of Wolf Creek in San Juan River basin, to tributary of South Fork Rio Grande in sec. 5, T.37 N., R.2 E., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Division III Hydrographic staff.

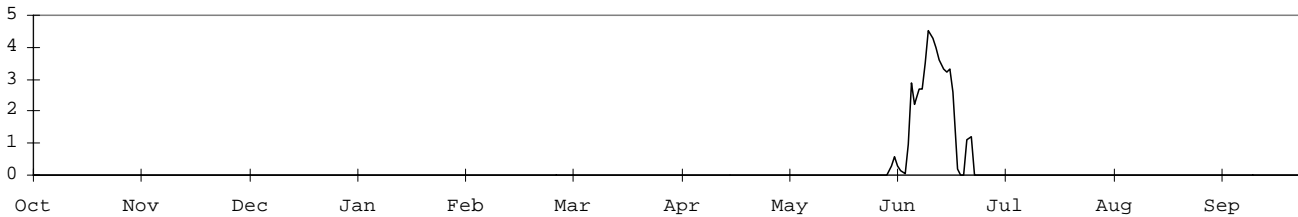
RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	0.30	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.95	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	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	1.1	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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	47.60	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.59	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	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 1993 TOTAL 57.15 MEAN 0.16 MAX 5.7 MIN 0.00 AC-FT 113  
WTR YR 1994 TOTAL 47.60 MEAN 0.13 MAX 4.5 MIN 0.00 AC-FT 94

MAX DISCH 5.7 CFS AT 2345 21-JUN-1994 GH 0.77 FT. SHIFT 0.03 FT. MAX GH 0.77 FT. AT 2345 21-JUN-1994



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.--Record is complete and reliable. Station maintained and records developed by Division III Hydrographic staff.

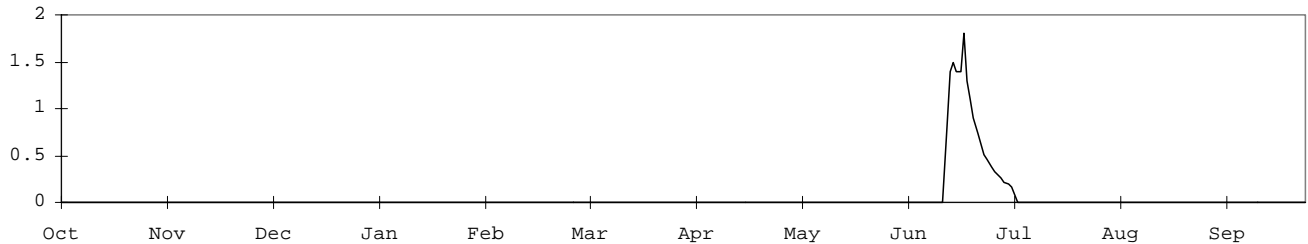
RATING TABLE.--DLFDT1CO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	0.32	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	0.0	0.0
5	0.0	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	0.17	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	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	0.81	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.73	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.62	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.46	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.37	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	14.30	1.54	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.05	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	3.1	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.32	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 1993 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1994 TOTAL 15.84 MEAN 0.04 MAX 1.8 MIN 0.00 AC-FT 31

MAX DISCH 4.2 CFS AT 2345 21-JUN-1994 GH 1.18 FT. SHIFT 0.05 FT. MAX GH 1.18 FT. AT 2345 21-JUN-1994



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.--Graphic water-stage recorder at 1.5 ft Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Division III Hydrographic staff.

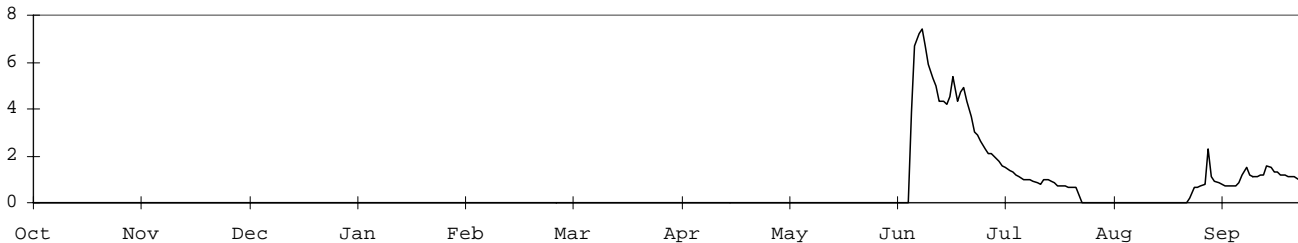
RATING TABLE.--DLFDT2CO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.71
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.76
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	1.1
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.89
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.82
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.77
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.73
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.71
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.2	0.0	0.71
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	1.1	0.0	0.71
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	1.0	0.0	0.88
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.99	0.0	1.2
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.99	0.0	1.5
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.90	0.0	1.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.85	0.0	1.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.76	0.0	1.1
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	1.0	0.0	1.2
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	1.0	0.0	1.2
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.94	0.0	1.6
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.85	0.0	1.5
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.71	0.0	1.3
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.71	0.0	1.3
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.71	0.0	1.2
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.63	0.0	1.2
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.63	0.0	1.1
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.63	0.0	1.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.32	0.0	1.1
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.9	0.0	0.18	1.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.6	0.0	0.63	1.1
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.66	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101.2	31.92	1.47	33.09
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.37	1.03	0.05	1.10
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	201	63	2.9	66
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	2.3	0.66	2.3
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71

CAL YR 1993 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1994 TOTAL 167.69 MEAN 0.46 MAX 7.4 MIN 0.00 AC-FT 333

MAX DISCH 11 CFS AT 1715 13-JUN-1994 GH 1.38 FT. SHIFT 0.12 FT. MAX GH 1.38 FT. AT 1715 13-JUN-1994





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.

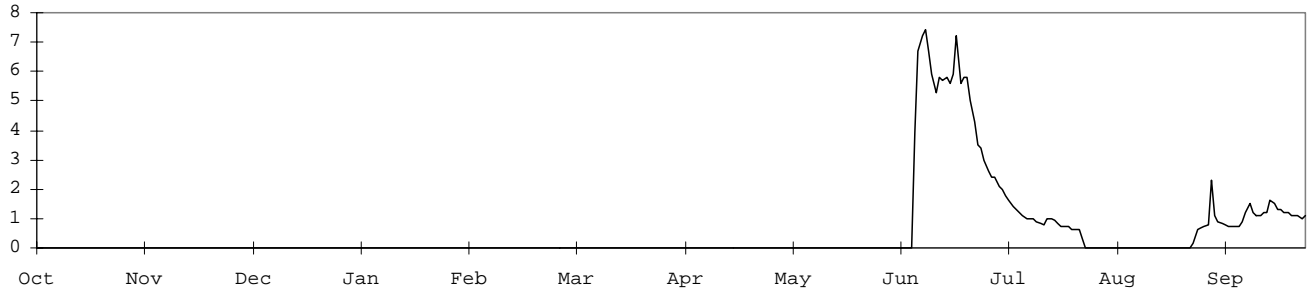
DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorders.

REMARKS.--Records combined to obtain this record.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	0.0	0.71
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.76
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	2.3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	1.1
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.89
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.82
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.77
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.73
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.71
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.2	0.0	0.71
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	1.1	0.0	0.72
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	1.0	0.0	0.88
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.99	0.0	1.2
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.99	0.0	1.5
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.90	0.0	1.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.85	0.0	1.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.76	0.0	1.1
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	1.0	0.0	1.2
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	1.0	0.0	1.2
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.94	0.0	1.6
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.85	0.0	1.5
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.71	0.0	1.3
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.71	0.0	1.3
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.71	0.0	1.2
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.63	0.0	1.2
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.63	0.0	1.1
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.63	0.0	1.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.32	0.0	1.1
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.4	0.0	0.18	1.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.0	0.0	0.63	1.1
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.66	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115.5	33.52	1.47	33.10
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.85	1.08	0.05	1.10
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	229	66	2.9	66
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	2.6	0.66	2.3
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71
CAL YR 1993 TOTAL			0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00	
WTR YR 1994 TOTAL		183.59	MEAN	0.50	MAX	7.4	MIN	0.00	AC-FT	364		



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.--Graphic water-stage recorder at a 2' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Division III Hydrographic staff.

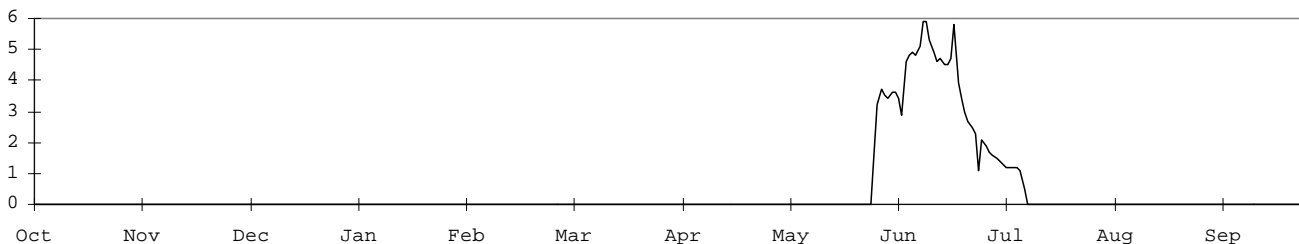
RATING TABLE.--WCSGITCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	3.7	1.9	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.7	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	1.6	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	1.5	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	1.4	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	1.3	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.2	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	1.2	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	1.2	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	1.2	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	1.1	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.50	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	1.1	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	1.6	2.1	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	3.2	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	120.1	15.80	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	4.00	0.51	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	238	31	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.9	1.9	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0

CAL YR 1993 TOTAL 222.12 MEAN 0.61 MAX 6.9 MIN 0.00 AC-FT 441  
WTR YR 1994 TOTAL 140.70 MEAN 0.39 MAX 5.9 MIN 0.00 AC-FT 279

MAX DISCH 9.8 CFS AT 2145 21-JUN-1994 GH 1.02 FT. SHIFT 0.12 FT. MAX GH 1.02 FT. AT 2145 21-JUN-1994



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

**LOCATION.**--Weminuche Pass ditch diverts water from left bank of Rincon la vaca Creek (tributary to Los Pinos River) in sec. 5, T.39 N., R.4 W., in San Juan River basin, to Weminuche Creek in sec. 33, T.40 N., R.4 W., in Rio Grande basin.

**DRAINAGE AREA.**--N/A

**GAGE.**--Graphic water-stage recorder at 3 ft Parshall flume.

**REMARKS.**--Record is complete and reliable except for Jun. 26-30, 1994 when the clock stopped working. Station maintained and records developed by Division III Hydrographic staff.

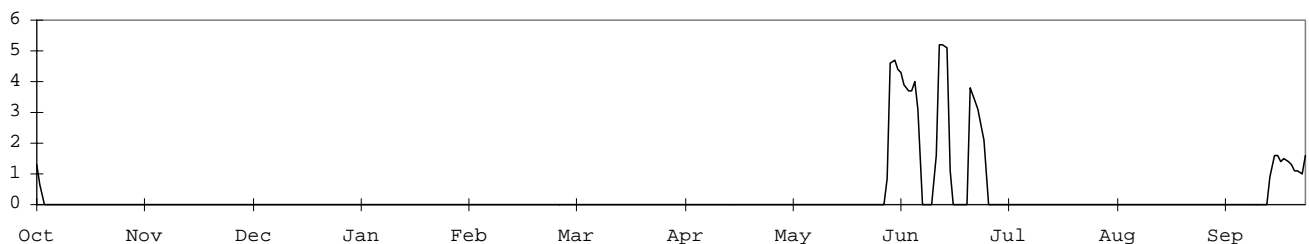
**RATING TABLE.**--PRWDITCO04 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.86	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	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	1.6	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.88
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	1.3
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	1.1
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	1.1
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.6	0.0	0.0	1.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.1	0.0	0.0	1.6
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	1.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.46	0.0	0.0	14.48
MEAN	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.35	0.0	0.0	0.48
AC-FT	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140	0.0	0.0	29
MAX	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	1.6
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 1993 TOTAL 125.87 MEAN 0.34 MAX 5.0 MIN 0.00 AC-FT 250  
WTR YR 1994 TOTAL 86.89 MEAN 0.24 MAX 5.2 MIN 0.00 AC-FT 172

MAX DISCH 6.1 CFS AT 2000 18-JUN-1994 GH 0.68 FT. SHIFT -0.03 FT. MAX GH 0.68 FT. AT 2000 18-JUN-1994



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.

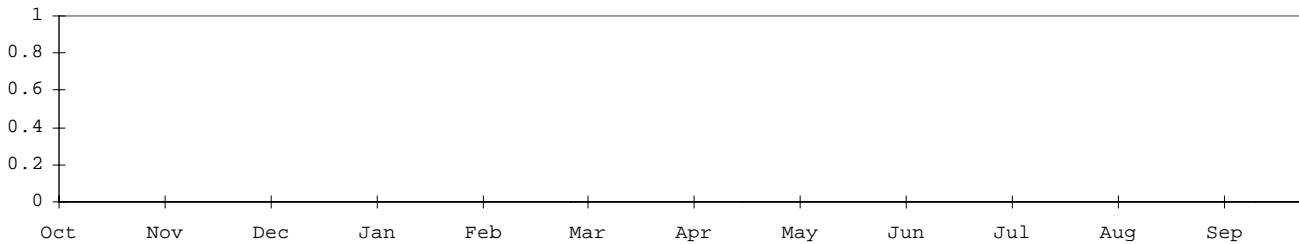
REMARKS.--No water flowed past this station during this water year. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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 1993 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1994 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00



GUNNISON RIVER BASIN

09131490 MUDDY CREEK ABOVE PAONIA RESERVOIR

**LOCATION.**--Lat 38°59'15", long 107°20'53", in the NE¼SE¼NW¼ sec 28, T.12 S., R.89 W. in Gunnison County on the right bank 700 ft. downstream from county bridge and 1400 ft. upstream from high water line of Paonia Reservoir.

**GAGE.**--Water-stage recorder and satellite telemetry.

**REMARKS.**--The record is complete, reliable and good except for a period when the stage-discharge relationship was affected by ice and a period when the inlets were inadvertently left closed. The ice period was from Nov. 20, 1993-Feb. 24, 1994. The period of closed inlets was from May 11-Jun. 3, 1994. Record is poor during ice effect and fair during closed inlets period. The station was operated and maintained by Gerald. M. Thrush.

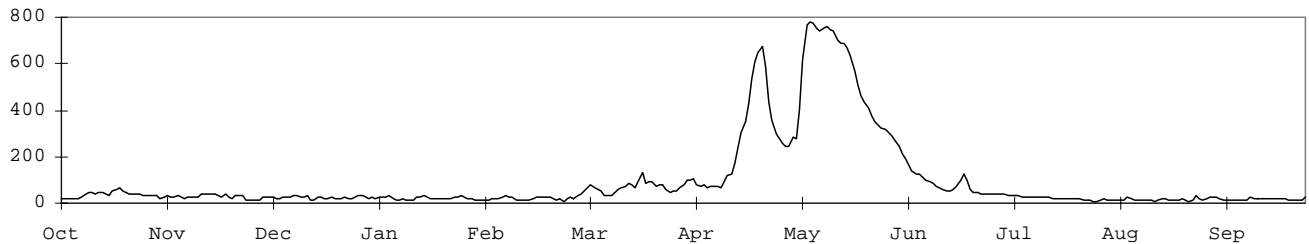
**RATING TABLE.**--MUDAPRC05 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	35	25	20	10	33	78	242	294	38	16	23
2	21	28	25	25	10	37	97	245	273	37	19	27
3	21	28	20	25	15	51	101	285	247	37	14	25
4	21	34	20	25	20	67	108	278	213	39	11	27
5	20	26	25	30	20	80	77	404	189	36	14	19
6	20	19	25	20	20	65	71	615	168	33	16	13
7	27	26	25	15	25	57	78	767	136	32	13	13
8	40	26	30	15	30	50	68	779	123	31	15	12
9	44	28	30	20	25	36	74	774	125	28	25	12
10	47	29	25	15	25	35	72	752	112	26	23	12
11	39	38	25	15	15	34	71	742	99	27	15	13
12	46	42	30	15	15	48	63	753	92	26	13	13
13	49	40	15	25	10	60	90	762	88	27	12	15
14	38	41	15	25	15	68	121	749	76	24	13	24
15	36	37	25	30	15	73	128	738	68	26	12	20
16	53	32	25	25	20	83	169	699	59	26	12	20
17	58	26	20	20	25	82	238	690	53	24	8.0	18
18	68	38	20	20	25	69	301	689	54	22	11	17
19	55	26	25	20	25	109	352	670	60	19	17	20
20	47	20	20	20	25	130	427	635	70	19	18	19
21	41	30	20	20	25	85	537	569	97	20	15	19
22	38	30	20	20	20	90	607	506	124	19	13	18
23	38	30	25	20	15	95	648	460	101	19	11	19
24	37	15	20	25	20	74	673	437	61	23	12	17
25	36	15	20	25	7.8	80	591	413	49	21	19	15
26	34	15	25	30	19	79	438	378	44	17	13	14
27	31	15	30	25	24	60	359	352	39	13	5.1	14
28	31	15	30	20	23	49	299	335	40	13	13	13
29	34	25	25	20	---	53	275	326	42	11	34	14
30	21	25	20	15	---	50	257	318	42	8.2	18	29
31	27	---	25	10	---	64	---	306	---	8.6	16	---
TOTAL	1140	834	730	655	543.8	2046	7468	16668	3238	749.8	466.1	534
MEAN	36.8	27.8	23.5	21.1	19.4	66.0	249	538	108	24.2	15.0	17.8
AC-FT	2260	1650	1450	1300	1080	4060	14810	33060	6420	1490	925	1060
MAX	68	42	30	30	30	130	673	779	294	39	34	29
MIN	20	15	15	10	7.8	33	63	242	39	8.2	5.1	12

CAL YR 1993 TOTAL 98924 MEAN 271 MAX 2810 MIN 10 AC-FT 196200  
WTR YR 1994 TOTAL 35072.7 MEAN 96.1 MAX 779 MIN 5.1 AC-FT 69570

MAX DISCH 982 CFS AT 0100 08-MAY-1994 GH 7.91 FT. SHIFT -0.17 FT. MAX GH 7.91 FT. AT 0100 08-MAY-1994



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.

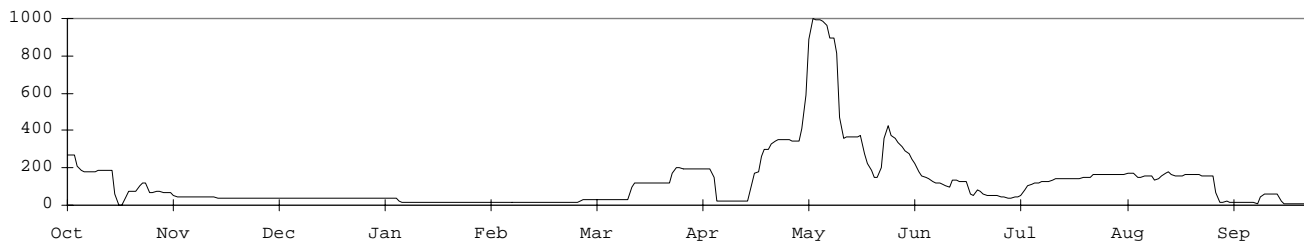
**REMARKS.**--Records complete, reliable and good except when the stage-discharge relationship was affected by ice in the well from Dec. 14, 1993-Mar. 15, 1994. The recorder and DCP were removed on Dec. 21, 1993 and replaced on Mar. 25, 1994. This period was estimated using information from the Fire Mountain Water Users Assoc., thermograph for Paonia Reservoir, correlation with the North Fork of the Gunnison near Somerset gage, and measurement No. 156. The bottom inlet valve was left closed from May 11-Jun. 3, 1994, upper valve operable, correction estimated and prorated by time. No measurement due to high water from May 4-May 29, 1994. Station maintained and records developed by Gerald M. Thrush.

**RATING TABLE.**--MUDBPRC004 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	271	54	40	40	12	32	194	347	336	44	162	158
2	269	45	40	40	12	32	194	346	313	42	163	68
3	268	45	40	40	12	32	194	346	291	41	163	18
4	211	45	40	40	12	32	192	408	276	40	163	18
5	184	45	40	40	12	32	193	588	247	46	164	19
6	182	44	40	20	12	32	193	886	222	46	164	18
7	182	44	40	12	12	32	192	997	181	49	171	18
8	182	44	40	12	12	32	149	991	156	80	175	18
9	182	43	40	12	12	32	26	990	151	104	168	18
10	183	42	40	12	12	32	23	987	141	114	149	17
11	186	43	40	12	12	32	22	959	130	119	150	17
12	186	42	40	12	12	32	22	897	122	118	154	17
13	186	42	40	12	12	32	22	892	121	126	153	14
14	186	41	40	12	12	32	22	811	111	130	154	11
15	57	41	40	12	12	95	23	471	103	130	137	45
16	1.4	41	40	12	12	118	23	356	95	138	142	60
17	1.3	41	40	12	12	118	22	365	132	141	155	59
18	42	41	40	12	12	118	22	369	133	141	171	59
19	78	41	40	12	12	118	110	366	129	141	177	59
20	77	41	40	12	12	118	174	369	130	142	165	59
21	77	41	40	12	12	118	176	375	128	142	156	23
22	102	41	40	12	12	118	259	273	58	143	154	11
23	117	41	40	12	12	118	300	225	50	143	160	11
24	116	41	40	12	12	118	300	188	82	141	167	10
25	65	41	40	12	12	118	330	151	72	146	167	10
26	70	40	40	12	12	116	347	151	62	148	166	10
27	71	40	40	12	12	172	349	200	53	152	166	10
28	72	40	40	12	25	203	351	357	49	164	162	11
29	70	40	40	12	---	199	353	427	52	166	160	11
30	70	40	40	12	---	196	348	371	51	163	159	12
31	70	---	40	12	---	195	---	358	---	163	155	---
TOTAL	4014.7	1270	1240	520	349	2804	5125	15817	4177	3603	4972	889
MEAN	130	42.3	40.0	16.8	12.5	90.5	171	510	139	116	160	29.6
AC-FT	7960	2520	2460	1030	692	5560	10170	31370	8290	7150	9860	1760
MAX	271	54	40	40	25	203	353	997	336	166	177	158
MIN	1.3	40	40	12	12	32	22	151	49	40	137	10
CAL YR 1993 TOTAL	114287.7	MEAN	313	MAX	3280	MIN	1.3	AC-FT	226700			
WTR YR 1994 TOTAL	44780.7	MEAN	123	MAX	997	MIN	1.3	AC-FT	88820			

MAX DISCH 1008 CFS AT 1545 06-MAY-1994 GH 5.04 FT. SHIFT 0.02 FT. MAX GH 5.04 FT. AT 1545 06-MAY-1994



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.

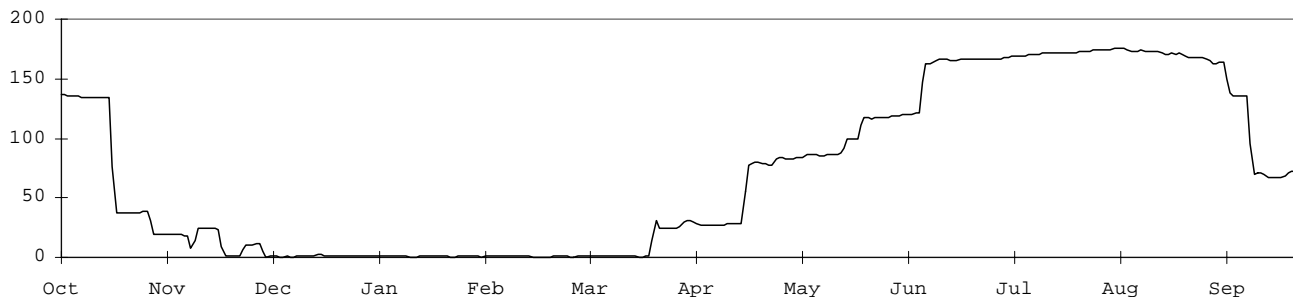
**REMARKS.**--Canal's normal operation from Oct. 1, 1993-Nov. 16, 1993 and Mar. 23-Sep. 30, 1994. The intervening period, from Nov. 17, 1993-Mar. 23, 1994 consisted of seepage from the Gunnison Tunnel except for a period when routine maintenance/repair was performed on the gates Nov. 23-28, 1993. This period reflecting flow around the secondary gate. The record is complete, reliable and good. Station maintained and records developed by Gerald M. Thrush.

**RATING TABLE.**--ABCLATCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	20	0.82	1.2	0.63	0.70	30	83	119	167	174	167
2	137	20	0.67	1.2	0.88	0.95	31	83	119	167	174	165
3	136	20	0.76	1.2	1.0	0.93	31	83	119	167	174	163
4	136	20	0.62	1.2	1.0	0.97	30	84	120	168	174	163
5	135	20	0.64	1.3	1.0	1.1	29	84	120	168	175	164
6	135	18	0.99	1.2	1.0	1.1	27	84	120	169	175	164
7	134	18	0.34	1.2	1.0	1.1	27	86	120	169	175	150
8	134	7.6	0.39	1.2	1.0	1.1	27	87	121	169	175	138
9	134	14	0.75	1.2	1.0	1.1	27	86	121	169	174	135
10	134	24	0.71	0.84	0.86	1.1	27	86	147	169	173	135
11	134	24	0.90	0.58	0.86	1.1	27	85	162	170	173	136
12	134	24	1.1	0.52	0.82	1.2	27	85	163	170	173	136
13	134	24	1.1	0.63	0.85	1.4	27	86	164	170	174	135
14	134	24	1.3	0.81	0.89	1.4	28	86	165	170	173	95
15	134	24	2.0	0.75	0.67	1.4	29	86	166	171	173	70
16	76	23	2.1	0.70	0.57	1.1	29	87	166	171	173	71
17	38	9.4	1.4	0.70	0.51	1.1	28	88	166	171	173	71
18	38	0.84	1.4	0.71	0.58	0.87	28	91	165	171	173	70
19	38	0.82	1.4	0.70	0.57	0.33	56	99	165	171	172	67
20	38	0.81	0.93	0.70	0.60	0.33	78	99	165	171	170	67
21	38	0.81	0.74	0.70	0.64	1.3	79	99	166	171	170	67
22	38	0.81	0.87	0.70	0.69	1.3	80	100	166	171	171	67
23	38	6.0	0.71	0.58	0.70	14	80	111	166	171	170	67
24	38	10	0.79	0.60	0.70	31	79	117	166	172	171	69
25	39	10	0.81	0.65	0.71	24	79	117	166	172	170	71
26	39	10	0.81	0.88	0.80	24	78	116	166	173	169	72
27	31	11	0.76	0.88	0.27	24	78	117	166	173	168	72
28	20	11	0.80	0.81	0.0	24	82	117	166	173	168	72
29	20	5.1	0.83	0.85	---	24	84	117	167	173	168	72
30	20	0.32	1.2	0.87	---	24	84	118	167	174	168	71
31	19	---	1.3	0.66	---	26	---	118	---	174	168	---
TOTAL	2590	401.51	29.94	26.72	20.80	237.98	1446	2985	4535	5285	5331	3162
MEAN	83.5	13.4	0.97	0.86	0.74	7.68	48.2	96.3	151	170	172	105
AC-FT	5140	796	59	53	41	472	2870	5920	9000	10480	10570	6270
MAX	137	24	2.1	1.3	1.0	31	84	118	167	174	175	167
MIN	19	0.32	0.34	0.52	0.0	0.33	27	83	119	167	168	67
CAL YR 1993 TOTAL	21685.93	MEAN	59.4	MAX	161	MIN	0.32	AC-FT	43010			
WTR YR 1994 TOTAL	26050.96	MEAN	71.4	MAX	175	MIN	0.00	AC-FT	51670			

MAX DISCH 176 CFS AT 0245 06-AUG-1994 GH 3.70 FT. SHIFT -0.20 FT. MAX GH 3.70 FT. AT 0245 06-AUG-1994



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-state recorder with satellite telemetry.

REMARKS.--The record is complete, good and reliable. The normal operating period was from the Oct. 1-Nov. 8, 1993 and from Mar. 20-Sep. 30, 1994. The intervening period reflected use on seven occasions to fill Fairview Reservoir. These periods were: Nov. 30-Dec. 2, 6-7, 20-21, 1993. Jan. 10-11, 31-Feb. 15-16, 27-28, 1994. These intervening winter values were supplied by the Uncompahgre Valley Water Users Association and are considered fair. The station maintained and records developed by Gerald M. Thrush.

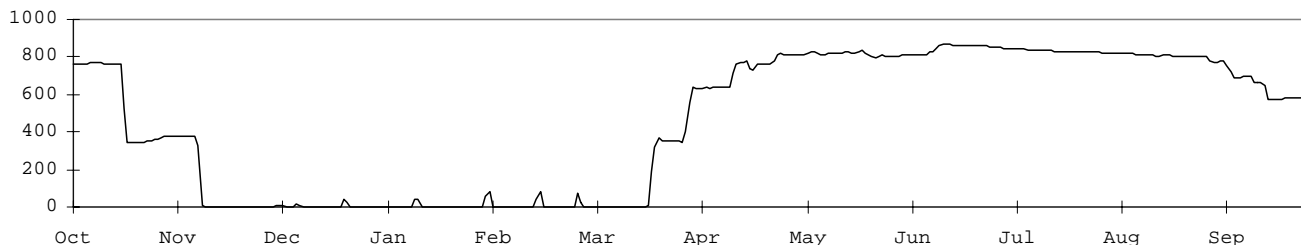
RATING TABLE.--SOUCANCO12 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	766	379	12	0.0	78	0.0	561	811	804	850	823	804
2	766	378	8.0	0.0	0.0	0.0	636	810	804	849	823	781
3	766	379	0.0	0.0	0.0	0.0	634	808	808	847	822	770
4	766	378	0.0	0.0	0.0	0.0	634	813	811	848	820	770
5	766	378	0.0	0.0	0.0	0.0	635	815	813	847	819	781
6	767	381	18	0.0	0.0	0.0	636	823	814	847	821	782
7	767	324	6.0	0.0	0.0	0.0	635	828	814	846	819	755
8	767	8.7	0.0	0.0	0.0	0.0	636	831	812	844	819	721
9	767	0.0	0.0	0.0	0.0	0.0	637	821	812	842	818	687
10	766	0.0	0.0	43	0.0	0.0	638	815	815	840	816	689
11	766	0.0	0.0	37	0.0	0.0	638	815	829	838	814	692
12	766	0.0	0.0	0.0	0.0	0.0	639	816	831	835	813	694
13	765	0.0	0.0	0.0	0.0	0.0	640	816	848	835	812	696
14	763	0.0	0.0	0.0	0.0	0.0	713	817	861	833	810	697
15	762	0.0	0.0	0.0	41	0.0	761	817	868	832	809	663
16	521	0.0	0.0	0.0	82	0.0	771	817	871	833	808	663
17	341	0.0	0.0	0.0	0.0	0.0	773	825	868	833	807	665
18	341	0.0	0.0	0.0	0.0	0.0	775	826	864	830	807	647
19	342	0.0	0.0	0.0	0.0	0.0	740	820	862	830	808	574
20	342	0.0	40	0.0	0.0	7.3	733	823	861	829	808	575
21	342	0.0	24	0.0	0.0	188	759	828	864	830	808	576
22	346	0.0	0.0	0.0	0.0	323	760	835	863	831	807	577
23	352	0.0	0.0	0.0	0.0	365	760	823	860	829	805	577
24	355	0.0	0.0	0.0	0.0	349	760	814	859	829	804	579
25	358	0.0	0.0	0.0	0.0	350	759	807	858	829	802	579
26	358	0.0	0.0	0.0	0.0	350	782	795	858	829	801	581
27	366	0.0	0.0	0.0	70	350	815	804	858	828	800	582
28	379	0.0	0.0	0.0	24	350	819	809	857	827	801	583
29	379	0.0	0.0	0.0	---	350	815	801	855	826	800	583
30	379	4.5	0.0	0.0	---	348	813	800	854	825	801	585
31	380	---	0.0	60	---	404	---	803	---	824	802	---
TOTAL	17367	2610.2	108.0	140	295	3734.3	21307	25286	25256	25895	25127	19908
MEAN	560	87.0	3.48	4.52	10.5	120	710	816	842	835	811	664
AC-FT	34450	5180	214	278	585	7410	42260	50150	50100	51360	49840	39490
MAX	767	381	40	60	82	404	819	835	871	850	823	804
MIN	341	0.0	0.0	0.0	0.0	0.0	561	795	804	824	800	574

CAL YR 1993 TOTAL 142054.2 MEAN 389 MAX 847 MIN 0.00 AC-FT 281800  
WTR YR 1994 TOTAL 167033.5 MEAN 458 MAX 871 MIN 0.00 AC-FT 331300

MAX DISCH 878 CFS AT 0945 16-JUN-1994 GH 2.89 FT. SHIFT -0.26 FT. MAX GH 3.30 FT. AT 0230 31-AUG-1994





GUNNISON RIVER BASIN

REDLANDS CANAL NEAR GRAND JUNCTION, CO

**LOCATION.**--Lat 39°01'49", long 108°33'51", in NW¼SW¼NW¼ sec 35, T.1 S., R.1 W., Mesa County, on the Right bank of canal 650 ft. below the Redlands diversion dam.

**GAGE.**--Water-stage recorder with satellite telemetry.

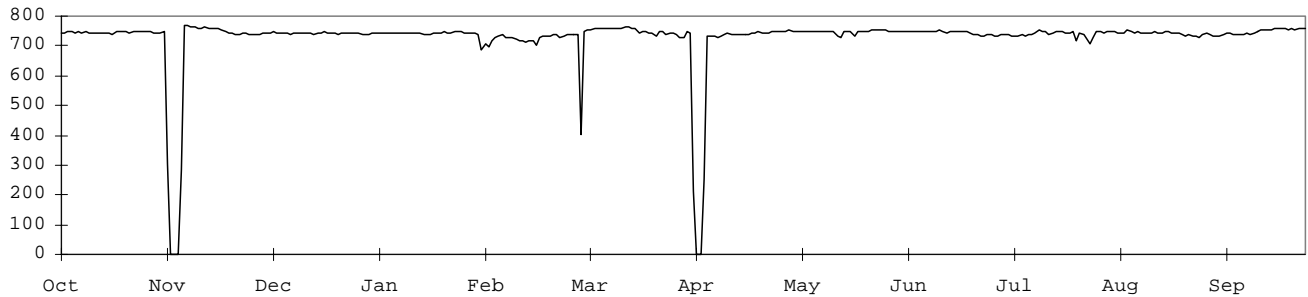
**REMARKS.**--Record is complete, good and reliable except for 12 days when the stage-discharge relationship was affected by ice: Dec. 22, 24-27, 31, 1993-Jan. 6, 1994. These periods are considered to be fair. The periods of 0 discharge, Nov. 2-4, 1993 and Apr. 5-6, 1994 were due to routine fall and spring maintenance respectively. The strip chart was compared to weather records to estimate discharge on ice days. Station maintained and records developed by Gerald M. Thrush.

**RATING TABLE.**--RLCGRJCO04 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	743	303	744	743	688	736	726	749	749	734	746	743
2	743	0.0	746	741	708	405	747	754	749	735	744	739
3	746	0.0	745	744	696	748	744	748	750	737	749	732
4	746	0.0	743	744	720	756	214	749	749	739	746	735
5	744	286	744	745	729	756	0.0	748	749	737	746	732
6	746	768	742	745	732	758	0.0	747	749	732	745	737
7	744	770	738	742	736	757	255	746	749	731	742	743
8	748	764	743	741	727	757	733	748	750	733	744	742
9	745	762	741	743	729	759	733	748	749	736	751	738
10	742	760	744	744	726	757	731	748	748	735	748	739
11	742	761	744	743	722	757	730	747	748	737	744	739
12	744	763	742	744	717	760	735	748	749	736	746	740
13	744	761	743	744	716	759	737	750	749	745	743	741
14	742	758	740	741	713	761	744	748	749	755	745	737
15	742	761	744	740	718	765	739	748	751	748	743	743
16	740	758	745	740	716	763	737	732	750	746	743	748
17	746	752	746	739	701	761	739	729	745	740	746	752
18	750	748	742	742	728	758	739	749	748	745	744	754
19	750	745	741	744	735	745	739	750	747	748	745	755
20	747	743	743	742	733	746	738	749	748	748	747	754
21	744	740	739	747	733	747	741	732	747	747	747	760
22	747	739	742	745	737	745	745	749	746	744	743	757
23	750	743	744	745	736	745	746	748	748	745	743	757
24	747	743	742	748	729	732	743	749	742	748	745	757
25	747	739	744	750	731	750	744	750	740	719	738	756
26	747	740	742	748	738	747	742	752	739	742	735	757
27	746	739	742	741	739	740	749	752	735	738	738	756
28	742	740	739	741	739	742	748	752	733	722	734	757
29	744	742	740	742	---	741	750	752	736	707	735	757
30	744	744	740	744	---	737	749	752	737	728	730	760
31	748	---	743	739	---	729	---	750	---	746	736	---
TOTAL	23100	19372	23017	23041	20272	22919	19717	23173	22378	22883	23031	22417
MEAN	745	646	742	743	724	739	657	748	746	738	743	747
AC-FT	45820	38420	45650	45700	40210	45460	39110	45960	44390	45390	45680	44460
MAX	750	770	746	750	739	765	750	754	751	755	751	760
MIN	740	0.0	738	739	688	405	0.0	729	733	707	730	732
CAL YR 1993 TOTAL		264358	MEAN	724	MAX	770	MIN	0.00	AC-FT	524400		
WTR YR 1994 TOTAL		265320	MEAN	727	MAX	770	MIN	0.00	AC-FT	526300		

MAX DISCH 778 CFS AT 0450 03-AUG-1994 GH 7.03 FT. SHIFT -0.10 FT. MAX GH 7.04 FT. AT 0630 08-NOV-1993



GUNNISON RIVER BASIN

UNCOMPAHGRE RIVER NEAR OLATHE, CO

**LOCATION.**--Lat 38°36'5", long 107°58'58", SW¼SW¼ of NW¼ sec. 15, T.50 N., R. 10W, NMPM, and about 3,100 ft. above the S. H. 348 bridge and about 5,100 ft below the East Canal headgate and diversion structure, both stream distance. The gage is on the right bank and in Montrose County.

**DRAINAGE AREA.**--N/A

**GAGE.**--Graphic water-stage recorder with satellite telemetry. The DCP is the primary record with Electronic Data Logger as backup.

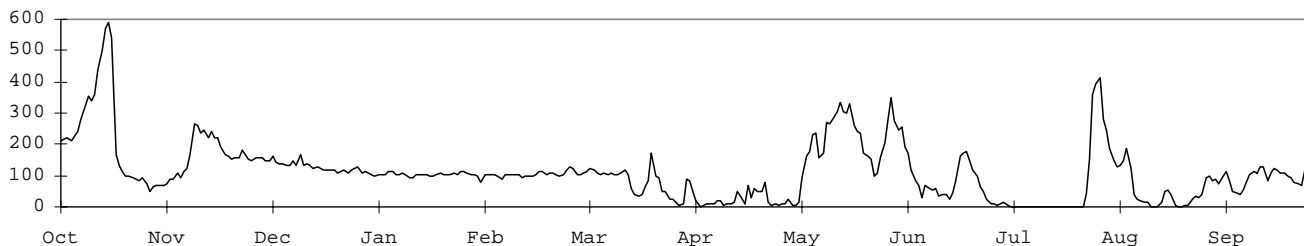
**REMARKS.**--The gage operated from Oct. 1, 1993 to Sep. 30, 1994. The record is complete, reliable and good. Shifts were a function of stage; therefore a variable shift curve was employed throughout the entire period. Station operated and maintained by Gerald Thrush.

**RATING TABLE.**--UNCOLACO03 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	73	150	99	78	104	12	12	347	9.1	414	91
2	216	88	163	101	102	104	89	23	273	2.8	278	99
3	223	90	141	102	104	107	82	4.5	247	11	248	84
4	212	106	136	102	105	115	50	5.7	257	14	189	87
5	228	94	138	111	101	122	19	17	191	7.3	149	73
6	239	111	132	111	96	120	2.1	91	170	1.0	126	98
7	278	122	132	101	89	107	6.9	164	118	1.5	134	111
8	325	169	148	103	102	101	7.8	176	86	1.7	148	86
9	355	266	134	106	105	109	11	233	69	1.4	189	49
10	337	262	168	105	102	104	10	234	31	1.6	124	42
11	358	238	131	93	102	106	22	158	68	1.6	38	41
12	437	248	140	95	103	104	19	173	57	1.3	26	56
13	503	223	133	103	93	104	4.6	269	54	1.1	18	77
14	571	239	123	102	97	106	8.8	265	58	1.7	14	104
15	588	223	129	101	97	117	8.4	282	36	1.7	14	111
16	540	223	124	102	99	102	15	303	41	1.7	0.20	110
17	166	193	117	98	104	59	49	334	37	1.3	0.05	126
18	131	167	117	98	115	38	36	307	26	1.3	0.03	126
19	114	164	117	102	111	35	8.4	300	42	1.6	13	84
20	98	152	117	106	104	40	67	328	84	1.7	51	107
21	96	156	107	104	106	66	31	259	163	1.5	52	125
22	93	159	112	104	106	82	58	243	174	1.4	40	119
23	90	182	118	105	103	173	48	237	178	1.3	4.9	106
24	85	166	110	106	99	96	50	172	146	1.6	1.6	106
25	95	152	120	104	105	93	78	161	117	1.9	1.2	97
26	75	149	122	113	116	51	13	153	96	1.1	3.0	95
27	51	155	126	113	129	47	2.6	98	64	1.2	7.0	81
28	66	156	109	106	121	27	12	107	51	42	25	75
29	71	159	115	104	---	27	4.5	157	27	151	35	71
30	71	149	106	105	---	13	7.9	207	10	358	28	120
31	67	---	101	98	---	5.9	---	278	---	392	41	---
TOTAL	6989	5034	3936	3203	2894	2584.9	833.0	5751.2	3318	1019.4	2411.98	2757
MEAN	225	168	127	103	103	83.4	27.8	186	111	32.9	77.8	91.9
AC-FT	13860	9980	7810	6350	5740	5130	1650	11410	6580	2020	4780	5470
MAX	588	266	168	113	129	173	89	334	347	392	414	126
MIN	51	73	101	93	78	5.9	2.1	4.5	10	1.0	0.03	41
CAL YR 1993 TOTAL	53776.7		MEAN	147	MAX	1090	MIN	2.5	AC-FT	106700		
WTR YR 1994 TOTAL	40731.48		MEAN	112	MAX	588	MIN	0.03	AC-FT	80790		

MAX DISCH 683 CFS AT 1415 16-OCT-1993 GH 4.03 FT. SHIFT -0.24 FT. MAX GH 4.03 FT. AT 1415 16-OCT-1993



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 natural section.

**REMARKS.**--Records are good except for periods of ice effect, which are fair. Record was affected by ice on Nov. 25-29; Dec. 4, 15, 19-28, 30-31, 1993; Jan. 1, 7-9, 11-13, 15, 17, 29-31; Feb. 1-8, 14-16, 1994. Station maintained and records developed by Wayne I. Schieldt.

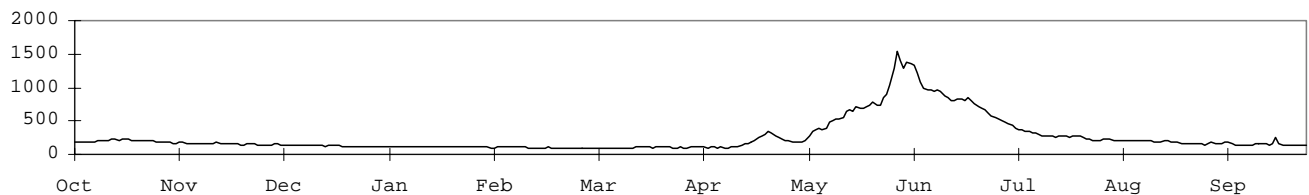
**RATING TABLE.**--ROABMCCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	194	178	148	118	102	98	105	194	1540	529	222	157
2	191	173	141	122	102	98	115	186	1400	500	228	175
3	187	168	137	121	104	100	109	184	1290	479	220	171
4	184	171	146	121	106	102	121	184	1380	450	211	172
5	182	165	139	123	106	103	108	215	1350	432	209	159
6	184	161	136	120	106	103	102	283	1330	402	211	176
7	193	162	134	117	106	100	109	340	1220	377	204	176
8	198	159	136	117	109	99	106	368	1090	357	197	160
9	200	159	135	117	107	94	103	385	992	347	210	146
10	211	161	131	119	109	94	104	367	961	338	209	141
11	211	169	132	118	109	99	99	390	977	323	200	135
12	235	173	134	118	101	98	101	479	949	315	196	134
13	226	165	129	118	101	98	106	517	972	297	214	137
14	216	163	126	118	100	101	117	520	933	286	212	144
15	219	153	132	118	100	103	118	524	883	280	204	158
16	232	150	144	115	102	106	128	553	851	269	191	157
17	226	154	130	115	103	106	151	648	814	265	185	152
18	216	157	129	114	104	104	170	672	812	256	186	151
19	206	149	124	118	100	111	185	655	821	266	204	146
20	206	148	122	117	99	115	208	712	829	272	196	161
21	198	152	124	115	100	100	244	680	813	266	184	243
22	202	161	120	112	99	109	284	694	856	262	183	157
23	198	161	120	113	98	117	303	714	803	267	177	146
24	196	145	118	112	98	109	341	737	748	274	169	145
25	194	134	118	110	100	111	331	780	719	265	164	143
26	195	137	118	111	100	108	271	738	695	245	157	140
27	181	140	120	109	100	96	242	746	667	227	151	136
28	187	145	120	112	98	96	221	853	627	220	154	130
29	185	150	119	110	---	104	214	889	578	215	160	128
30	162	150	118	109	---	95	202	1030	553	215	155	142
31	171	---	118	104	---	100	---	1280	---	210	149	---
TOTAL	6186	4713	3998	3581	2869	3177	5118	17517	28453	9706	5912	4618
MEAN	200	157	129	116	102	102	171	565	948	313	191	154
AC-FT	12270	9350	7930	7100	5690	6300	10150	34740	56440	19250	11730	9160
MAX	235	178	148	123	109	117	341	1280	1540	529	228	243
MIN	162	134	118	104	98	94	99	184	553	210	149	128

CAL YR 1993 TOTAL 140450 MEAN 385 MAX 2370 MIN 61 AC-FT 278600  
WTR YR 1994 TOTAL 95848 MEAN 263 MAX 1540 MIN 94 AC-FT 190100

MAX DISCH 2003 CFS AT 0145 01-JUN-1994 GH 5.25 FT. SHIFT 0.02 FT. MAX GH 5.25 FT. AT 0145 01-JUN-1994



ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO

LOCATION.--Lat 39°14'42", long 106°31'50", Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2.0 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, Co.

DRAINAGE AREA.--18.7 mi<sup>2</sup>.

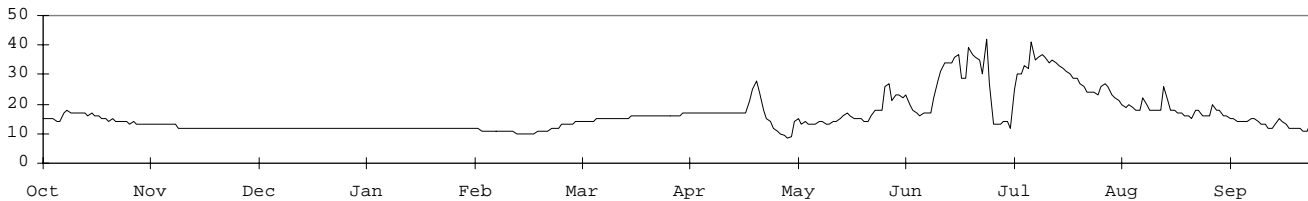
GAGE.--Graphic water-stage recorder at 10 ft concrete suppressed weir.

REMARKS.--Record good except for period when station was frozen Oct. 28, 1993-Apr. 20, 1994. Transountain diversion above station diverted water May 2-Jul. 13, 1994 through Charles H. Boustead tunnel with excess flow from conduit made to River May 30-Jun. 7, 1994. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Wayne I. Schieldt.

RATING TABLE.--FRYIVLCO08 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	13	12	12	12	13	16	10	27	13	26	16
2	15	13	12	12	12	13	16	9.4	21	13	27	20
3	15	13	12	12	12	14	17	8.7	23	13	26	18
4	15	13	12	12	11	14	17	9.0	23	14	23	18
5	14	13	12	12	11	14	17	14	22	14	22	16
6	14	13	12	12	11	14	17	15	23	12	21	16
7	17	13	12	12	11	14	17	13	20	25	20	15
8	18	13	12	12	11	14	17	14	18	30	19	15
9	17	12	12	12	11	15	17	13	17	30	20	14
10	17	12	12	12	11	15	17	13	16	33	19	14
11	17	12	12	12	11	15	17	13	17	32	18	14
12	17	12	12	12	11	15	17	14	17	41	18	14
13	17	12	12	12	11	15	17	14	17	35	22	15
14	16	12	12	12	10	15	17	13	22	36	20	15
15	17	12	12	12	10	15	17	13	28	37	18	14
16	16	12	12	12	10	15	17	14	31	36	18	13
17	16	12	12	12	10	15	17	14	34	34	18	13
18	15	12	12	12	10	15	17	15	34	35	18	12
19	15	12	12	12	10	16	17	16	34	34	26	12
20	14	12	12	12	11	16	17	17	36	33	21	13
21	15	12	12	12	11	16	17	16	37	32	18	15
22	14	12	12	12	11	16	21	15	29	31	18	14
23	14	12	12	12	11	16	25	15	29	30	17	13
24	14	12	12	12	12	16	28	15	39	29	17	12
25	14	12	12	12	12	16	24	14	37	29	16	12
26	13	12	12	12	12	16	18	14	36	27	16	12
27	14	12	12	12	13	16	15	16	35	26	15	12
28	13	12	12	12	13	16	14	18	30	24	18	11
29	13	12	12	12	---	16	12	18	42	24	18	11
30	13	12	12	12	---	16	11	18	27	24	16	13
31	13	---	12	12	---	16	---	26	---	23	16	---
TOTAL	467	368	372	372	312	468	523	447.1	821	849	605	422
MEAN	15.1	12.3	12.0	12.0	11.1	15.1	17.4	14.4	27.4	27.4	19.5	14.1
AC-FT	926	730	738	738	619	928	1040	887	1630	1680	1200	837
MAX	18	13	12	12	13	16	28	26	42	41	27	20
MIN	13	12	12	12	10	13	11	8.7	16	12	15	11
CAL YR 1993 TOTAL		4699.0	MEAN	12.9	MAX	30	MIN	7.2	AC-FT	9320		
WTR YR 1994 TOTAL		6026.1	MEAN	16.5	MAX	42	MIN	8.7	AC-FT	11950		



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO

**LOCATION.**--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, about 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.89 mi southeast of Norrie, Co.

**DRAINAGE AREA.**--9.43 mi<sup>2</sup>.

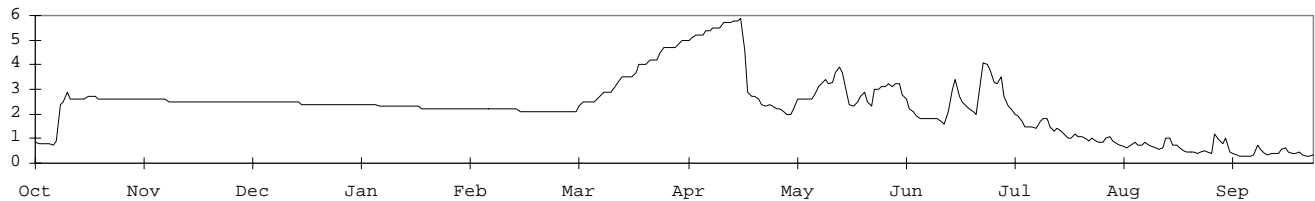
**GAGE.**--Graphic water-stage recorder at v-notch, sharp-crested weir. Altitude of gage is 9,980 ft, from topographic map.

**REMARKS.**--Record good except for period when station was closed Oct. 12, 1993-Apr.18, 1994. Transmountain diversions above station through Busk-Ivanhoe and Charles H. Boustead tunnels May 6-Jun. 24, 1994 to Arkansas River basin. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained by Wayne I. Schieldt and records developed by Judy T. Sappington.

**RATING TABLE.**--IVCRNACO3 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.84	2.6	2.5	2.4	2.2	2.1	4.7	2.2	3.2	3.3	0.84	0.41
2	0.80	2.6	2.5	2.4	2.2	2.1	4.8	2.1	3.1	3.2	1.0	1.2
3	0.80	2.6	2.5	2.4	2.2	2.1	5.0	2.0	3.2	3.5	1.1	0.97
4	0.80	2.6	2.5	2.4	2.2	2.1	5.0	2.0	3.2	2.7	0.93	0.77
5	0.80	2.6	2.5	2.4	2.2	2.3	5.0	2.2	2.8	2.3	0.80	1.0
6	0.76	2.6	2.5	2.4	2.2	2.5	5.1	2.6	2.6	2.2	0.76	0.44
7	0.92	2.6	2.5	2.3	2.2	2.5	5.2	2.6	2.2	2.0	0.66	0.38
8	2.4	2.5	2.5	2.3	2.2	2.5	5.2	2.6	2.1	1.9	0.62	0.36
9	2.5	2.5	2.5	2.3	2.2	2.5	5.2	2.6	1.9	1.7	0.76	0.31
10	2.9	2.5	2.5	2.3	2.2	2.6	5.4	2.6	1.8	1.5	0.84	0.29
11	2.6	2.5	2.5	2.3	2.2	2.8	5.4	2.8	1.8	1.5	0.76	0.29
12	2.6	2.5	2.5	2.3	2.2	2.9	5.5	3.1	1.8	1.5	0.73	0.31
13	2.6	2.5	2.5	2.3	2.2	2.9	5.5	3.2	1.8	1.4	0.84	0.36
14	2.6	2.5	2.5	2.3	2.2	2.9	5.5	3.4	1.8	1.7	0.76	0.73
15	2.6	2.5	2.5	2.3	2.2	3.1	5.7	3.2	1.8	1.8	0.66	0.56
16	2.7	2.5	2.4	2.3	2.1	3.3	5.7	3.3	1.7	1.8	0.62	0.41
17	2.7	2.5	2.4	2.3	2.1	3.5	5.7	3.7	1.6	1.5	0.59	0.36
18	2.7	2.5	2.4	2.3	2.1	3.5	5.8	3.9	2.1	1.3	0.62	0.41
19	2.6	2.5	2.4	2.2	2.1	3.5	5.8	3.7	3.0	1.4	1.0	0.38
20	2.6	2.5	2.4	2.2	2.1	3.5	5.9	2.9	3.4	1.3	1.0	0.38
21	2.6	2.5	2.4	2.2	2.1	3.7	4.6	2.4	2.7	1.2	0.73	0.59
22	2.6	2.5	2.4	2.2	2.1	4.0	2.9	2.3	2.5	1.0	0.73	0.62
23	2.6	2.5	2.4	2.2	2.1	4.0	2.7	2.5	2.3	1.0	0.62	0.47
24	2.6	2.5	2.4	2.2	2.1	4.0	2.7	2.7	2.2	1.2	0.50	0.41
25	2.6	2.5	2.4	2.2	2.1	4.2	2.6	2.9	2.1	1.1	0.44	0.38
26	2.6	2.5	2.4	2.2	2.1	4.2	2.4	2.5	2.0	1.1	0.44	0.44
27	2.6	2.5	2.4	2.2	2.1	4.2	2.3	2.3	3.2	1.0	0.44	0.36
28	2.6	2.5	2.4	2.2	2.1	4.5	2.4	3.0	4.1	0.93	0.41	0.31
29	2.6	2.5	2.4	2.2	---	4.7	2.3	3.0	4.0	1.0	0.47	0.31
30	2.6	2.5	2.4	2.2	---	4.7	2.2	3.1	3.8	0.93	0.52	0.36
31	2.6	---	2.4	2.2	---	4.7	---	3.1	---	0.84	0.44	---
TOTAL	68.44	75.7	75.9	70.6	60.3	102.1	134.2	86.5	75.8	50.80	21.64	14.61
MEAN	2.21	2.52	2.45	2.28	2.15	3.29	4.47	2.79	2.53	1.64	0.70	0.49
AC-FT	136	150	151	140	120	203	266	172	150	101	43	29
MAX	2.9	2.6	2.5	2.4	2.2	4.7	5.9	3.9	4.1	3.5	1.1	1.2
MIN	0.76	2.5	2.4	2.2	2.1	2.1	2.2	2.0	1.6	0.84	0.41	0.29
CAL YR 1993 TOTAL		855.02	MEAN	2.34	MAX	25	MIN	0.76	AC-FT	1700		
WTR YR 1994 TOTAL		836.59	MEAN	2.29	MAX	5.9	MIN	0.29	AC-FT	1660		



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION, NEAR NORRIE, CO

**LOCATION.**--Lat 39°14'20", long 106°35'24", Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, Co.

**DRAINAGE AREA.**--11.5 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder contained in small metal box mounted on a 4 in. steel pipe well. Control is 5 ft concrete suppressed weir.

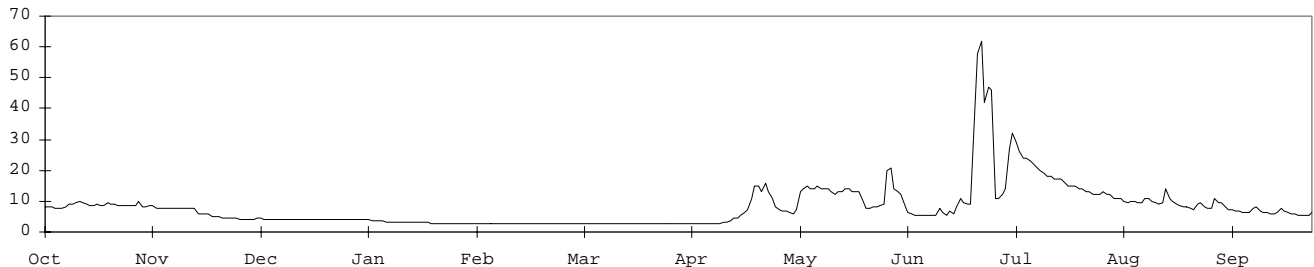
**REMARKS.**--Record good except for period when station was frozen Oct. 28, 1993-Apr. 14, 1994. Gage-height was ice affected Oct. 20-27, 1993. Winter estimation was done from comparison with nearby station Chapman Gulch near Nast. Transmountain diversion above station diverted water May 6-Jul. 5, 1994 through Charles H. Boustead tunnel. Station maintained and records developed by Judy T. Sappington.

**RATING TABLE.**--FRYSFU006 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	8.6	4.3	4.1	2.6	2.6	2.7	6.9	21	11	13	7.8
2	8.2	7.6	4.3	4.1	2.6	2.6	2.7	6.7	14	11	12	11
3	8.0	7.6	4.2	3.8	2.6	2.6	2.7	6.2	13	12	12	9.6
4	7.8	7.6	4.2	3.8	2.6	2.6	2.7	6.0	12	14	11	9.6
5	7.8	7.6	4.2	3.8	2.6	2.6	2.7	7.3	8.8	27	11	8.0
6	7.6	7.6	4.2	3.8	2.6	2.6	2.7	13	6.2	32	11	7.3
7	8.2	7.6	4.2	3.1	2.6	2.6	2.8	14	6.0	29	10	7.1
8	9.1	7.6	4.2	3.1	2.6	2.6	2.8	15	5.6	26	9.6	6.9
9	8.9	7.6	4.2	3.1	2.6	2.6	2.8	14	5.4	24	10	6.7
10	9.4	7.6	4.2	3.1	2.6	2.6	2.8	14	5.4	24	9.8	6.4
11	10	7.6	4.2	3.1	2.6	2.6	2.8	15	5.4	23	9.6	6.2
12	9.6	7.6	4.2	3.1	2.6	2.6	2.8	14	5.4	22	9.4	6.4
13	8.9	7.6	4.2	3.1	2.6	2.5	2.9	14	5.6	21	11	7.6
14	8.6	6.0	4.2	3.1	2.6	2.5	3.0	14	5.4	20	11	8.2
15	8.6	6.0	4.2	3.1	2.6	2.5	3.1	13	7.6	19	10	6.9
16	8.9	6.0	4.2	3.1	2.6	2.5	3.5	12	6.2	18	9.4	6.4
17	8.6	6.0	4.2	3.1	2.6	2.5	4.4	13	5.6	18	9.1	6.2
18	8.4	4.8	4.2	3.1	2.6	2.5	4.6	13	6.8	17	9.4	6.0
19	9.4	4.8	4.2	3.1	2.6	2.5	5.4	14	6.0	17	14	6.0
20	9.1	4.8	4.2	2.9	2.6	2.5	6.2	14	8.3	17	11	6.2
21	9.1	4.6	4.2	2.9	2.6	2.5	7.3	13	11	16	9.8	7.8
22	8.4	4.6	4.2	2.9	2.6	2.6	11	13	9.4	15	9.1	6.7
23	8.4	4.6	4.2	2.9	2.6	2.6	15	13	9.1	15	8.4	6.2
24	8.6	4.6	4.2	2.9	2.6	2.6	15	10	8.9	15	8.2	6.0
25	8.6	4.6	4.2	2.6	2.6	2.6	13	7.8	38	14	8.2	5.8
26	8.6	4.2	4.2	2.6	2.6	2.6	16	7.8	58	14	7.6	5.6
27	8.6	4.2	4.2	2.6	2.6	2.6	13	8.0	62	13	7.3	5.6
28	9.8	4.2	4.2	2.6	2.6	2.7	11	8.2	42	13	9.1	5.6
29	8.2	4.2	4.1	2.6	---	2.7	8.2	8.4	47	12	9.4	5.4
30	8.2	4.2	4.1	2.6	---	2.7	7.3	9.1	46	12	8.2	6.2
31	8.6	---	4.1	2.6	---	2.7	---	20	---	12	7.6	---
TOTAL	268.4	182.2	130.1	96.4	72.8	80.1	182.9	357.4	491.1	553	306.2	207.4
MEAN	8.66	6.07	4.20	3.11	2.60	2.58	6.10	11.5	16.4	17.8	9.88	6.91
AC-FT	532	361	258	191	144	159	363	709	974	1100	607	411
MAX	10	8.6	4.3	4.1	2.6	2.7	16	20	62	32	14	11
MIN	7.6	4.2	4.1	2.6	2.6	2.5	2.7	6.0	5.4	11	7.3	5.4

CAL YR 1993 TOTAL 2780.0 MEAN 7.62 MAX 29 MIN 2.9 AC-FT 5510  
WTR YR 1994 TOTAL 2928.0 MEAN 8.02 MAX 62 MIN 2.5 AC-FT 5810



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO

**LOCATION.**--Lat 39°15'51", long 106°37'54", Pitkin County, Hydrologic Unit 14010004, on left bank 700 ft downstream from Chapman diversion tunnel, 2.5 mi northwest of Nast, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, Co.

**DRAINAGE AREA.**--5.96 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder contained in wooden box mounted on 18" metal pipe well along right edge of channel. Control is v-notch, sharp crested weir. Datum of gage is 9,982.76 ft.

**REMARKS.**--Record is good except for periods when clock stopped Nov. 24-Dec. 29, 1993; Jan. 7-Apr. 19, 1994. Station was frozen Nov. 1, 1993-May 4, 1994. Winter estimation was made using NOAA's data for daily precipitation and temperature and correlation with four spot measurements. Transmountain diversions above station to Charles H. Boustead tunnel were made May 6-Jul. 7, 1994. Station maintained and records developed by Judy T. Sappington.

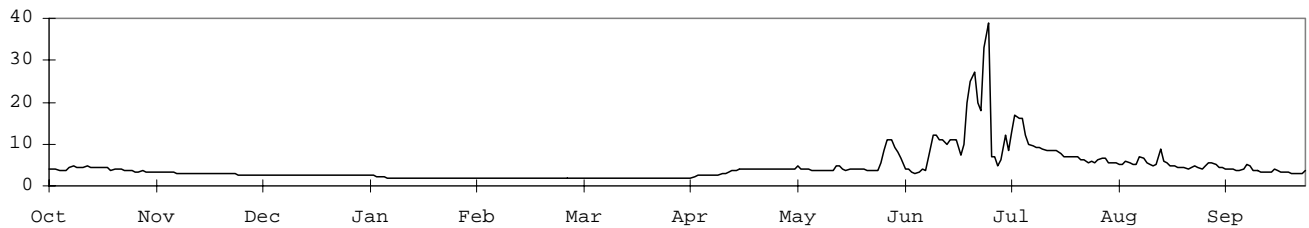
**RATING TABLE.**--CHAGULCO05 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	3.4	2.7	2.4	1.8	1.8	1.9	4.0	11	7.0	6.2	4.6
2	4.0	3.3	2.7	2.4	1.8	1.8	1.9	3.9	11	6.8	6.5	5.5
3	3.9	3.2	2.7	2.4	1.8	1.8	2.0	3.9	9.0	4.9	6.5	5.4
4	3.8	3.2	2.6	2.3	1.8	1.8	2.0	3.9	7.9	6.3	5.6	5.2
5	3.8	3.2	2.6	2.3	1.8	1.8	2.0	4.0	6.5	12	5.4	4.5
6	3.7	3.2	2.6	2.3	1.8	1.8	2.3	4.9	4.1	8.4	5.6	4.3
7	4.4	3.1	2.6	2.0	1.8	1.8	2.6	4.0	4.1	13	5.2	4.2
8	4.7	3.0	2.6	2.0	1.8	1.8	2.6	4.1	3.4	17	5.0	4.0
9	4.5	2.9	2.6	2.0	1.8	1.8	2.6	4.0	3.1	16	5.9	3.9
10	4.4	2.9	2.6	2.0	1.8	1.8	2.6	3.8	3.3	16	5.6	3.8
11	4.4	2.9	2.6	2.0	1.8	1.8	2.6	3.7	3.9	12	5.1	3.7
12	4.7	3.0	2.6	2.0	1.8	1.8	2.6	3.7	3.8	10	5.0	4.0
13	4.5	2.9	2.6	2.0	1.8	1.7	2.6	3.7	7.1	9.4	6.8	5.1
14	4.4	2.9	2.6	2.0	1.8	1.7	2.8	3.5	12	9.2	6.6	4.7
15	4.5	2.9	2.6	2.0	1.8	1.7	3.0	3.5	12	9.2	5.6	3.7
16	4.4	2.9	2.6	2.0	1.8	1.7	3.2	3.8	11	8.8	5.2	3.6
17	4.3	2.9	2.6	2.0	1.8	1.7	3.6	4.6	11	8.6	4.9	3.4
18	4.3	2.9	2.6	2.0	1.8	1.7	3.8	4.8	10	8.4	5.2	3.4
19	3.8	2.8	2.6	2.0	1.8	1.7	4.0	4.2	11	8.4	8.8	3.3
20	4.0	2.8	2.6	1.9	1.8	1.7	4.0	3.6	11	8.6	6.0	3.4
21	3.9	2.8	2.6	1.9	1.8	1.7	4.0	4.1	11	7.8	5.4	3.9
22	3.9	2.8	2.6	1.9	1.8	1.8	4.0	4.1	7.4	7.0	4.9	3.5
23	3.8	2.8	2.6	1.9	1.8	1.8	4.0	3.9	10	7.0	4.6	3.3
24	3.7	2.8	2.6	1.9	1.8	1.8	4.0	3.9	20	7.0	4.4	3.2
25	3.7	2.6	2.6	1.8	1.8	1.8	4.0	3.9	25	6.9	4.4	3.2
26	3.4	2.6	2.6	1.8	1.8	1.8	4.1	3.7	27	6.8	4.3	3.1
27	3.4	2.6	2.6	1.8	1.8	1.8	4.0	3.6	20	6.3	4.2	3.0
28	3.5	2.6	2.6	1.8	1.8	1.9	4.0	3.7	18	6.2	4.5	3.0
29	3.3	2.6	2.5	1.8	---	1.9	4.0	3.7	33	5.6	4.6	2.9
30	3.2	2.6	2.4	1.8	---	1.9	4.0	5.4	39	5.9	4.3	3.6
31	3.4	---	2.4	1.8	---	1.9	---	8.5	---	5.5	4.2	---
TOTAL	123.8	87.1	80.4	62.2	50.4	55.3	94.8	128.1	366.6	272.0	166.5	116.4
MEAN	3.99	2.90	2.59	2.01	1.80	1.78	3.16	4.13	12.2	8.77	5.37	3.88
AC-FT	246	173	159	123	1 00	110	188	254	727	540	330	231
MAX	4.7	3.4	2.7	2.4	1.8	1.9	4.1	8.5	39	17	8.8	5.5
MIN	3.2	2.6	2.4	1.8	1.8	1.7	1.9	3.5	3.1	4.9	4.2	2.9

CAL YR 1993 TOTAL 1419.8 MEAN 3.89 MAX 16 MIN 2.0 AC-FT 2820  
WTR YR 1994 TOTAL 1603.6 MEAN 4.39 MAX 39 MIN 1.7 AC-FT 3180

MAX DISCH 59.6 CFS AT 1200 29-JUN-1994 GH 3.28 FT. SHIFT +.03 FT MAX GH 3.28 FT AT 1200 29-JUN-1994



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO

**LOCATION.**--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

**DRAINAGE AREA.**--42 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder in 42-inch metal pipe and well. Control is natural channel. Altitude of gage is 8,330 ft.

**REMARKS.**--Record good, except for periods of no gage-height, which are poor. Station was ice affected on Oct. 30; Nov. 5, 1994. The float was frozen on Oct. 31; Nov. 1, 6, 1994. Station was closed from Nov. 7, 1993-Apr. 15, 1994. Winter record was estimated from comparison to nearby gage Fryingpan River near Thomasville. Transmountain diversions to Charles H. Boustead Tunnel. Station maintained and records developed by Wayne I. Schieldt.

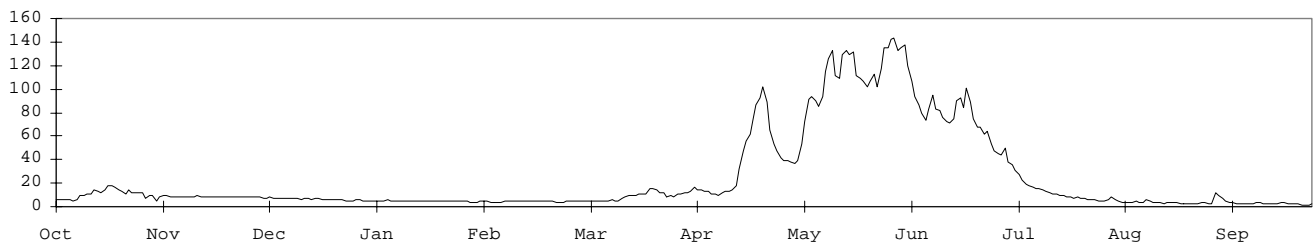
**RATING TABLE.**-- FRYNFNCO09 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.3	10	7.5	5.0	4.2	4.2	12	39	144	45	5.2	2.8
2	5.9	9.3	8.1	5.0	4.6	4.2	12	38	133	44	6.3	12
3	5.9	8.7	7.5	5.0	4.4	4.2	13	37	135	50	8.1	8.9
4	5.7	8.5	7.5	5.0	4.1	4.6	17	39	138	38	5.5	6.7
5	5.4	8.4	7.5	5.5	4.0	4.6	14	53	120	35	4.4	4.6
6	5.2	8.4	7.5	5.0	4.0	4.6	14	72	107	31	4.0	3.2
7	6.3	8.4	7.5	4.8	4.0	4.6	13	91	94	27	3.6	3.0
8	9.5	8.6	7.0	4.8	4.2	4.4	13	94	86	23	3.4	2.8
9	9.5	8.8	7.0	5.0	4.2	4.2	11	90	79	19	3.7	2.5
10	11	8.8	7.0	4.8	4.2	4.2	11	85	74	18	4.2	2.4
11	11	9.0	6.5	4.8	4.2	5.6	10	94	83	17	3.7	2.3
12	14	8.8	7.0	5.0	4.2	5.0	12	115	95	16	3.4	2.4
13	13	8.6	7.0	4.8	4.2	5.0	13	126	83	16	5.4	2.8
14	12	8.6	6.5	4.5	4.4	7.0	13	133	82	14	4.4	3.2
15	14	8.6	7.5	4.2	4.6	8.0	14	112	76	13	3.7	3.0
16	18	8.4	7.0	4.5	4.6	9.0	18	109	72	12	3.2	2.6
17	18	8.6	6.5	4.2	4.7	10	32	129	71	11	3.0	2.5
18	17	8.6	6.0	4.2	4.2	10	47	133	75	11	2.8	2.1
19	14	8.4	5.5	4.2	4.2	11	56	129	90	10	3.1	2.0
20	13	8.4	6.0	4.2	4.2	11	62	131	92	9.5	3.8	2.3
21	11	8.6	6.0	4.2	4.2	11	75	112	84	8.7	3.2	3.2
22	14	8.8	5.5	4.2	4.2	15	86	109	101	8.3	3.0	3.1
23	12	8.8	5.5	4.2	4.0	15	92	107	89	7.7	2.6	2.6
24	12	8.4	5.0	4.2	4.0	14	102	102	75	8.3	2.5	2.4
25	12	8.0	5.0	4.2	4.0	12	89	107	68	7.7	2.5	2.1
26	12	8.0	5.0	4.2	4.2	12	65	113	68	7.1	2.4	1.9
27	7.3	8.0	5.5	4.2	4.2	8.0	53	102	62	6.3	2.0	1.7
28	10	8.4	5.5	4.2	4.2	10	48	117	64	5.7	2.5	1.7
29	10	8.0	5.0	4.1	---	8.0	41	135	53	5.4	3.2	1.5
30	5.0	7.5	5.0	4.0	---	11	39	135	48	5.2	3.2	2.6
31	8.4	---	5.0	3.8	---	11	---	142	---	4.6	2.8	---
TOTAL	328.4	256.4	197.6	140.0	118.4	252.4	1097	3130	2641	534.5	114.8	96.9
MEAN	10.6	8.55	6.37	4.52	4.23	8.14	36.6	101	88.0	17.2	3.70	3.23
AC-FT	651	509	392	278	235	501	2180	6210	5240	1060	228	192
MAX	18	10	8.1	5.5	4.7	15	102	142	144	50	8.1	12
MIN	5.0	7.5	5.0	3.8	4.0	4.2	10	37	48	4.6	2.0	1.5

CAL YR 1993 TOTAL 17752.1 MEAN 48.6 MAX 321 MIN 5.0 AC-FT 35210  
WTR YR 1994 TOTAL 8907.4 MEAN 24.4 MAX 144 MIN 1.5 AC-FT 17670

MAX DISCH 183 CFS AT 2300 01-JUN-1994 GH 4.08 FT. SHIFT 0.02 FT. MAX GH 4.08 FT. AT 2300 01-JUN-1994





ROARING FORK RIVER BASIN

09078600 FRYINGPAN 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. A 100-ft. wide concrete control about 10 ft. below gage. Elevation of gage is 8,210 ft above National Geodetic Vertical Datum of 1929.

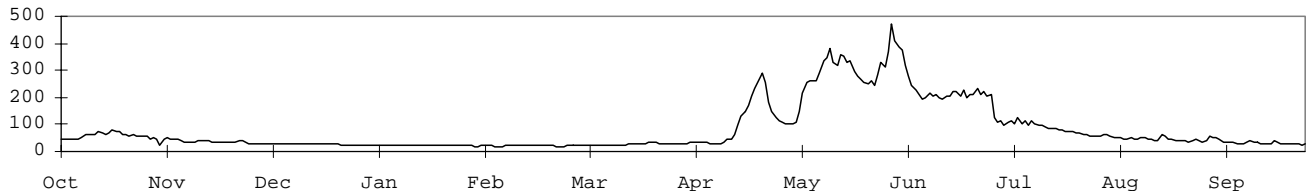
**REMARKS.**--Record is complete and reliable except for a short period of ice effect from Nov. 26-Dec. 1, 1994. Record is good this year because of the warm winter temperatures. No lengthy periods of ice effect occurred. The recorder did not work properly from Dec. 20, 1993-Apr. 15, 1994, but the satellite equipment did so no record was lost. Transmountain diversions thru Busk Ivanhoe and Charles H. Bousted Tunnels. Station maintained and records developed by Wayne I. Schieldt.

**RATING TABLE.**--FRYTHOCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	53	29	24	20	20	31	103	470	123	59	37
2	45	45	30	24	23	20	31	100	411	109	65	59
3	45	43	29	24	22	20	32	101	385	116	65	51
4	44	43	29	24	20	22	36	106	374	99	58	49
5	44	38	29	25	19	22	33	146	317	108	53	43
6	43	36	29	24	19	22	33	218	279	112	51	36
7	50	35	29	23	19	22	32	258	247	103	49	35
8	62	34	28	23	20	21	32	264	227	127	47	33
9	62	36	28	24	20	20	30	262	208	104	48	32
10	64	38	28	23	20	20	30	260	193	112	50	31
11	60	42	27	23	20	22	29	287	201	98	46	30
12	72	40	28	24	20	21	31	333	214	112	44	31
13	67	38	28	23	20	21	36	346	202	100	52	34
14	63	36	27	22	21	23	43	383	209	97	53	40
15	70	33	29	21	22	24	44	328	198	97	48	35
16	79	32	28	22	22	27	63	317	193	93	43	32
17	75	34	27	21	21	29	98	357	202	88	42	31
18	74	34	26	21	20	29	128	353	202	85	40	29
19	64	32	27	21	20	30	145	331	223	84	60	30
20	64	32	26	21	20	30	171	337	222	82	58	30
21	57	36	26	21	20	30	206	294	206	78	47	38
22	62	39	25	21	20	34	231	278	229	76	45	35
23	59	37	25	21	19	34	258	268	197	73	40	31
24	58	34	24	21	19	33	287	255	210	73	38	29
25	59	30	24	21	19	31	255	252	208	71	37	28
26	59	30	24	21	20	31	181	263	235	68	37	27
27	44	30	25	21	20	27	145	246	208	65	34	27
28	52	31	25	21	20	29	125	283	219	61	37	26
29	48	30	24	20	---	27	115	328	206	58	44	25
30	25	29	24	19	---	30	109	311	210	57	41	30
31	47	---	24	18	---	30	---	371	---	55	36	---
TOTAL	1763	1080	831	682	565	801	3020	8339	7305	2784	1467	1024
MEAN	56.9	36.0	26.8	22.0	20.2	25.8	101	269	244	89.8	47.3	34.1
AC-FT	3500	2140	1650	1350	1120	1590	5990	16540	14490	5520	2910	2030
MAX	79	53	30	25	23	34	287	383	470	127	65	59
MIN	25	29	24	18	19	20	29	100	193	55	34	25
CAL YR 1993 TOTAL		45789	MEAN	125	MAX	725	MIN	22	AC-FT	90820		
WTR YR 1994 TOTAL		29661	MEAN	81.3	MAX	470	MIN	18	AC-FT	58830		

MAX DISCH 662 CFS AT 0200 01-JUN-1994 GH 3.49 FT. SHIFT -0.03 FT. MAX GH 3.49 FT. AT 0200 01-JUN-1994



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 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder in a 42-inch metal pipe shelter and well. Control is natural channel.

**REMARKS.**--Records are good, except for periods of no gage-height record and ice affect, which are fair. Gage-height was affected by ice on Nov. 17-30; Dec. 1, 1993. Station was closed Dec. 2, 1993-Mar. 7, 1994. The chart roll was stuck Mar. 16-18, and Mar. 27-Apr. 15, 1994. Winter estimation was made by comparison with Fryingpan River near Thomasville. Diversions are from irrigation above station along with transmountain diversions to Arkansas River basin through Busk-Ivanhoe and Charles H. Bousted Tunnels. Station maintained and records developed by Wayne I. Schieldt.

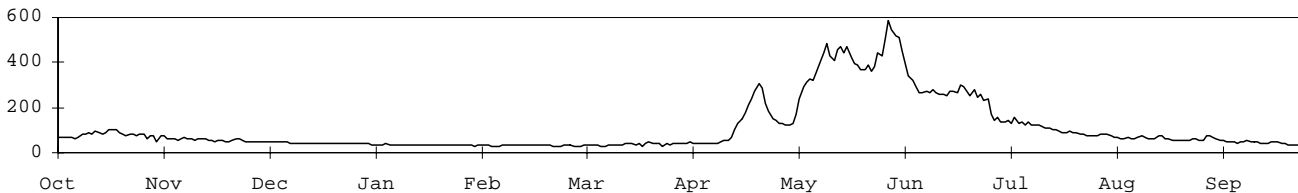
**RATING TABLE.**--FRYMERCO04 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	72	46	37	31	30	40	128	588	170	75	55
2	69	64	47	37	34	30	40	123	544	145	85	75
3	67	61	46	37	33	30	41	123	518	156	85	72
4	66	64	46	37	31	32	45	128	508	137	80	69
5	66	57	46	38	30	32	42	170	451	137	74	63
6	64	64	48	37	30	32	42	242	394	142	70	57
7	69	66	46	36	30	32	41	295	344	130	66	52
8	83	61	44	36	31	31	41	315	319	156	63	49
9	83	60	44	37	31	30	39	327	291	128	64	48
10	87	55	44	36	31	30	39	323	265	137	67	45
11	82	63	43	36	31	32	38	353	265	120	64	44
12	95	60	44	37	31	31	40	412	276	135	63	45
13	90	58	44	36	31	31	45	446	269	125	69	48
14	85	57	42	34	32	33	52	487	280	123	72	55
15	92	54	44	33	33	34	53	427	269	123	66	51
16	105	51	43	34	33	38	66	412	258	118	63	46
17	103	53	42	33	32	39	99	456	262	112	60	45
18	103	53	41	33	31	39	130	472	255	108	60	44
19	89	51	42	33	31	37	148	446	272	105	74	44
20	85	51	41	33	31	38	179	472	272	103	75	44
21	78	55	41	33	31	30	210	422	265	95	64	51
22	83	58	39	33	31	41	242	394	298	92	63	51
23	79	58	39	33	30	45	272	389	295	90	57	45
24	78	52	38	33	30	42	310	369	272	93	54	42
25	79	48	38	33	30	40	287	366	255	90	54	41
26	79	48	38	33	31	38	219	389	280	87	52	37
27	64	48	39	33	31	30	182	362	245	83	52	35
28	72	49	39	33	31	38	153	384	262	83	55	34
29	72	48	38	32	---	36	140	441	235	78	61	33
30	45	47	38	31	---	39	132	427	239	75	60	38
31	72	---	38	30	---	39	---	503	---	72	55	---
TOTAL	2454	1686	1308	1067	873	1079	3407	11003	9546	3548	2022	1458
MEAN	79.2	56.2	42.2	34.4	31.2	34.8	114	355	318	114	65.2	48.6
AC-FT	4870	3340	2590	2120	1730	2140	6760	21820	18930	7040	4010	2890
MAX	105	72	48	38	34	45	310	503	588	170	85	75
MIN	45	47	38	30	30	30	38	123	235	72	52	33

CAL YR 1993 TOTAL 67582 MEAN 185 MAX 1070 MIN 32 AC-FT 134000  
WTR YR 1994 TOTAL 39451 MEAN 108 MAX 588 MIN 30 AC-FT 78250

MAX DISCH 740 CFS AT 0300 01-JUN-1994 GH 3.77 FT. SHIFT -0.02 FT. MAX GH 3.77 FT. AT 0300 01-JUN-1994



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, on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway and auxiliary outlet of Ruedi Dam on Fryingspan River and 4.6 mi west of Meredith.

**DRAINAGE AREA.**--12.3 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry mounted on top of Ruedi Dam. Datum of gage is 7,494.50 ft. Control is sharp-crested v-notch weir.

**REMARKS.**--Record is good. Some slight Beaver dam problem. The well was frozen on Dec. 20-23, 26-31, 1993; Jan. 1-4, 10-13; Feb. 1-20, 1994. The gage-height was affected by beaver dams Oct. 7-11, 13, 15-18, 21, 23-24, 1993; Apr. 15-18; Jul. 22-23, 26-29, 31; Aug. 1, 3-4, 7-9; Sep. 8-10, 12, 14, 30, 1994. Station maintained and records developed by Wayne I. Schieldt.

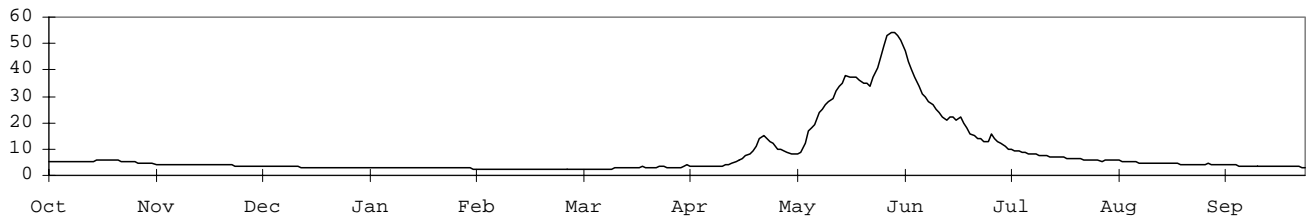
**RATING TABLE.**--RFCMERC001 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	4.3	3.6	3.0	2.6	2.4	3.2	9.7	53	16	5.7	4.0
2	5.0	4.1	3.5	3.0	2.6	2.4	3.2	9.1	54	14	5.5	4.5
3	5.0	3.9	3.4	2.9	2.6	2.4	3.4	8.6	54	13	5.7	4.2
4	5.0	3.8	3.4	2.9	2.6	2.4	3.8	8.4	53	12	6.0	4.0
5	5.0	3.8	3.4	2.9	2.6	2.4	3.6	8.2	51	11	6.0	4.0
6	5.3	3.8	3.4	2.8	2.6	2.4	3.5	8.1	47	10	6.0	4.0
7	5.3	3.8	3.4	2.8	2.6	2.4	3.4	9.0	43	9.8	5.7	4.0
8	5.4	3.8	3.4	2.8	2.6	2.5	3.4	12	40	9.6	5.5	4.0
9	5.5	3.8	3.4	2.8	2.6	2.5	3.4	17	37	9.1	5.3	4.0
10	5.5	3.8	3.4	2.8	2.6	2.5	3.4	18	34	8.9	5.0	3.9
11	5.5	3.8	3.4	2.8	2.5	2.5	3.4	19	31	8.8	5.0	3.7
12	5.5	3.8	3.3	2.8	2.5	2.5	3.3	24	30	8.2	5.1	3.5
13	5.5	3.8	3.2	2.8	2.5	2.5	3.4	25	28	8.1	4.9	3.4
14	5.5	3.8	3.2	2.8	2.5	2.7	3.6	27	27	7.9	4.7	3.4
15	5.6	3.8	3.2	2.8	2.5	2.7	3.9	28	25	7.8	4.8	3.6
16	5.7	3.8	3.2	2.8	2.5	2.9	4.2	29	24	7.6	4.8	3.5
17	5.7	3.8	3.2	2.8	2.5	2.9	4.7	32	22	7.4	4.7	3.4
18	5.7	3.8	3.2	2.8	2.5	2.8	5.2	34	21	7.1	4.6	3.4
19	5.7	3.8	3.2	2.8	2.5	2.9	5.7	35	22	7.1	4.5	3.6
20	6.0	3.8	3.2	2.8	2.5	3.1	6.3	38	22	7.1	4.6	3.6
21	5.6	3.8	3.2	2.8	2.5	3.2	7.3	37	21	6.8	4.5	3.5
22	5.2	3.8	3.2	2.7	2.5	3.3	8.0	37	22	6.7	4.5	3.4
23	5.1	3.8	3.2	2.7	2.4	3.2	9.1	37	20	6.6	4.5	3.4
24	5.0	3.6	3.2	2.7	2.3	3.2	11	36	18	6.5	4.4	3.5
25	5.0	3.6	3.2	2.7	2.2	3.2	14	35	16	6.3	4.2	3.5
26	5.0	3.6	3.1	2.7	2.3	3.2	15	35	15	6.3	4.0	3.4
27	4.8	3.6	3.1	2.7	2.4	3.3	14	34	14	6.2	4.0	3.4
28	4.6	3.6	3.1	2.7	2.4	3.3	13	37	14	6.1	4.0	3.3
29	4.5	3.6	3.1	2.7	---	3.2	12	41	13	5.7	3.9	3.2
30	4.5	3.6	3.1	2.7	---	3.2	10	45	13	5.7	4.1	3.2
31	4.5	---	3.0	2.7	---	3.2	---	49	---	5.7	4.0	---
TOTAL	162.3	113.5	101.1	86.5	70.0	87.3	191.4	822.1	884	259.1	150.2	109.5
MEAN	5.24	3.78	3.26	2.79	2.50	2.82	6.38	26.5	29.5	8.36	4.85	3.65
AC-FT	322	225	201	172	139	173	380	1630	1750	514	298	217
MAX	6.0	4.3	3.6	3.0	2.6	3.3	15	49	54	16	6.0	4.5
MIN	4.5	3.6	3.0	2.7	2.2	2.4	3.2	8.1	13	5.7	3.9	3.2

CAL YR 1993 TOTAL 4991.8 MEAN 13.7 MAX 80 MIN 2.1 AC-FT 9900  
WTR YR 1994 TOTAL 3037.0 MEAN 8.32 MAX 54 MIN 2.2 AC-FT 6020

MAX DISCH 62 CFS AT 2030 04-JUN-1994 GH 1.43 FT. SHIFT 0.00 FT. MAX GH 1.43 FT. AT 2030 04-JUN-1994



YAMPA RIVER BASIN

YAMPA RIVER ABOVE LAKE CATAMOUNT

**LOCATION.**--Lat 40°19'30", long 106°48'30", in sec. 9, T.4 N., R.84 W., in Routt County. On right downstream wingwall of County Road 18B bridge.

**DRAINAGE AREA.**--412 mi<sup>2</sup>.

**GAGE.**--Staff Gage. Approximate elevation of gage is 6940 feet.

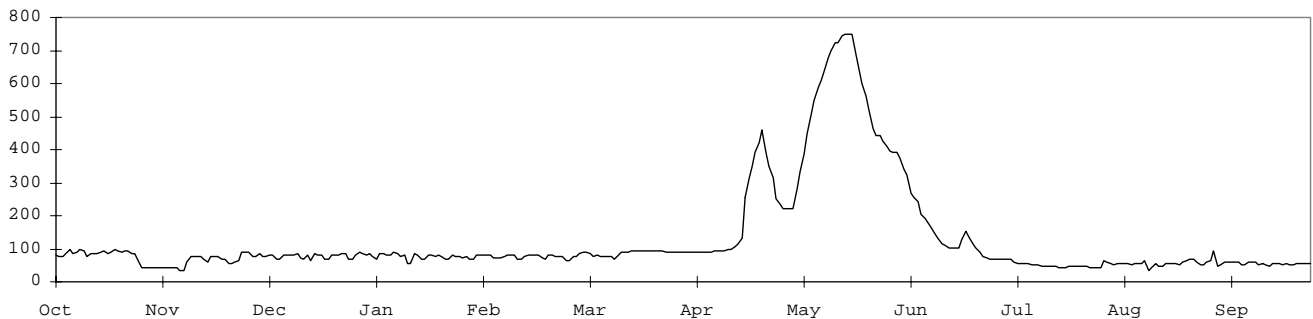
**REMARKS.**--Record is based on staff gage data taken once a day by Lake Catamount personnel. Staff gage installed at current site & datum in 1990. Many daily flows values during base flow conditions were estimated from Yampa River below Stagecoach Reservoir. Records developed by Kent Holt.

**RATING TABLE.**--YAMABCAT (dated 11-04-1993) used 01-OCT-1993 to 30-SEPT-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	43	76	75	81	78	90.6	222	391	67.3	62.7	62
2	78	43	79	69	81	84	90.4	222	392	67	60.1	95
3	78	43	79	83	81	90	90.2	222	374	66.8	54	45
4	84	43	69	83	79	90	90	282	339	66.6	52.8	51
5	98	41	66	82	71	87	89.9	334	322	66.4	57	61
6	86	35	79	81	72	75	89.7	389	270	59.9	56	60
7	89.3	35	79	91	71	81	89.5	446	256	56	55	61
8	100	59	81	85	75	77	90.4	506	243	57	56	61
9	92	76	81	76	79	78	91.3	547	203	55.6	50	61
10	78	76	85	82	81	78	92.1	589	190	54.2	57	51
11	87	78	72	56	79	77	93	610	178	51.5	57	51
12	87	78	68	57	69	67	93.9	632	167	51.3	57	59
13	87	69	81	85	68	78.4	93.9	676	143	51.1	65	60
14	90	61	63	81	78	89.9	96.7	699	133	48.5	36	60
15	93	76	83	68	81	90.4	96.8	722	117	48.3	43	53
16	85	75	82	66	81	91	108	723	109	46.8	57	54
17	88	75	79	81	81	91.6	115	746	101	45.4	48	49
18	98	69	66	79	79	92.2	134	747	101	45.4	45	47
19	95	68	66	76	71	92.8	254	747	102	44.2	54	54
20	91	56	79	79	68	92.6	314	748	102	41.7	55	54
21	93	56	79	76	81	92.4	349	683	129	40.5	54	54
22	93	58	79	66	81	92.3	393	641	152	47.9	54	53
23	84	65	83	66	76	92.1	423	600	137	47.9	53	54
24	84	91	85	79	76	91.9	461	560	117	47.9	58.8	49
25	58	88	66	75	75	91.8	386	520	103	47.9	65.8	49
26	41	91	66	76	62	91.6	350	462	89.8	47.9	66.8	55
27	41	76	79	72	62	91.4	314	443	76.6	45.4	67.7	56
28	42	76	88	76	75	91.2	249	444	72.8	43	60	57
29	42	86	85	66		91.1	235	426	67.7	44.2	53	56
30	42	76	82	66		90.9	222	408	66.1	40.5	50	56
31	43		83	79		90.7		397		40.5	59	
TOTAL	2429	1962	2388	2332	2114	2688	5685	16392	5244	1584	1719	1688
MEAN	78.3	65.4	77	75.2	75.5	86.7	189	529	175	51.1	55.5	56.3
AF	4817	3892	4737	4626	4193	5332	11275	32513	10401	3142	3411	3348

TOTAL = 46224 CFS-DAYS    MAX = 748 CFS    MIN = 35 CFS    MEAN FOR 365 DAYS = 127 CFS    VOLUME TOTAL = 91686 ACRE-FT.



YAMPA RIVER BASIN

WILLOW CREEK BELOW STEAMBOAT LAKE

LOCATION.--Lat 47°30', long 106°57', in sec. 29, T.10 N., R.85 W., in Routt County. 50 feet below the outlet of Steamboat Lake.

DRAINAGE AREA.--35.5 mi<sup>2</sup>.

GAGE.--Float driven satellite telemetry. Approximate elevation of gage is 7950 feet.

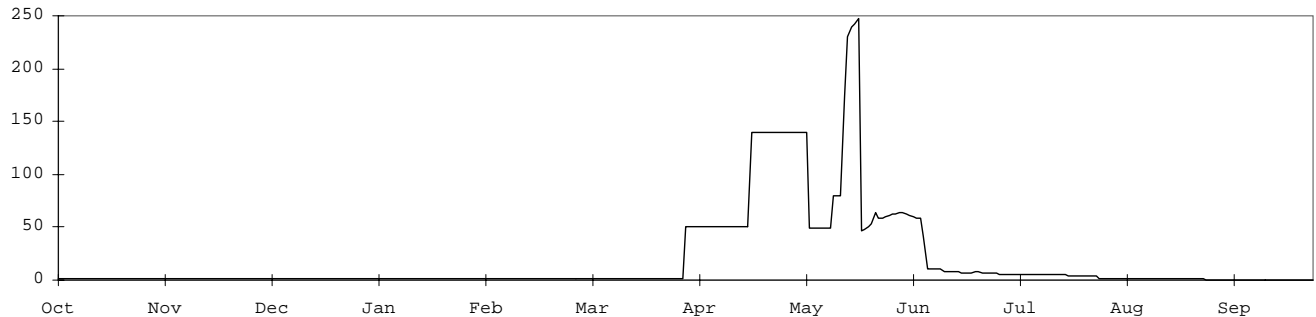
REMARKS.--Record is complete & reliable after May 19. Telemetry installed May 19, 1994. Unpublished records kept by DWR & Parks personnel starting in 1979. Records developed by Kent Holt.

RATING TABLE.--WILBSLCO (dated 12-27-1994) used 01-OCT-1993 to 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR 1994

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.35	1.35	1.35	1.35	1.35	1.35	50	140	64.4	5.93	1.32	.534
2	1.35	1.35	1.35	1.35	1.35	1.35	50	140	64.4	5.7	1.29	.5
3	1.35	1.35	1.35	1.35	1.35	1.35	50	140	63.1	5.51	1.25	.466
4	1.35	1.35	1.35	1.35	1.35	1.35	50	140	61.8	5.51	1.22	.432
5	1.35	1.35	1.35	1.35	1.35	1.35	50	140	60.5	5.32	1.18	.398
6	1.35	1.35	1.35	1.35	1.35	1.35	50	49	59.1	5.13	1.17	.364
7	1.35	1.35	1.35	1.35	1.35	1.35	50	49	57.9	5.13	1.17	.331
8	1.35	1.35	1.35	1.35	1.35	1.35	50	49	41.2	5.13	1.16	.297
9	1.35	1.35	1.35	1.35	1.35	1.35	50	49	10.7	4.94	1.15	.263
10	1.35	1.35	1.35	1.35	1.35	1.35	50	49	10.7	4.94	1.15	.229
11	1.35	1.35	1.35	1.35	1.35	1.35	50	49	10.7	4.94	1.14	.195
12	1.35	1.35	1.35	1.35	1.35	1.35	50	49	10.7	4.94	1.13	.161
13	1.35	1.35	1.35	1.35	1.35	1.35	50	80	10.2	4.94	1.12	.127
14	1.35	1.35	1.35	1.35	1.35	1.35	50	80	8.54	4.94	1.12	.093
15	1.35	1.35	1.35	1.35	1.35	1.35	50	80	8.54	4.94	1.11	.06
16	1.35	1.35	1.35	1.35	1.35	1.35	50	174	8	4.75	1.08	.072
17	1.35	1.35	1.35	1.35	1.35	1.35	50	230	7.77	4.94	1.04	.084
18	1.35	1.35	1.35	1.35	1.35	1.35	50	239	7.54	4.75	1.01	.096
19	1.35	1.35	1.35	1.35	1.35	1.35	50	242	7.31	4.75	.974	.108
20	1.35	1.35	1.35	1.35	1.35	1.35	140	247	7.31	4.56	.94	.12
21	1.35	1.35	1.35	1.35	1.35	1.35	140	46.9	7.31	4.56	.906	.132
22	1.35	1.35	1.35	1.35	1.35	1.35	140	48	7.31	4.56	.872	.144
23	1.35	1.35	1.35	1.35	1.35	1.35	140	50.4	7.54	4.56	.839	.156
24	1.35	1.35	1.35	1.35	1.35	1.35	140	52.8	7.54	4.37	.805	.168
25	1.35	1.35	1.35	1.35	1.35	1.35	140	64.4	7.31	4.37	.771	.18
26	1.35	1.35	1.35	1.35	1.35	1.35	140	57.9	7.08	4.18	.737	.192
27	1.35	1.35	1.35	1.35	1.35	1.35	140	59.1	6.62	4.18	.703	.204
28	1.35	1.35	1.35	1.35	1.35	1.35	140	60.5	6.62	3.99	.669	.216
29	1.35	1.35	1.35	1.35	1.35	1.35	140	61.8	6.39	1.46	.635	.228
30	1.35	1.35	1.35	1.35	1.35	1.35	140	63.1	5.93	1.39	.601	.24
31	1.35		1.35	1.35		1.35		63.1		1.36	.568	
TOTAL	41.9	40.5	41.9	41.9	37.8	41.9	2490	3042	650	140	30.8	6.79
MEAN	1.35	1.35	1.35	1.35	1.35	1.35	83	98.1	21.7	4.53	.994	.226
AF	83	80.3	83	83	75	83	4939	6034	1290	279	61.1	13.5

TOTAL = 6606 CFS-DAYS MAX = 247 CFS MIN = .06 CFS MEAN FOR 365 DAYS = 18.1 CFS VOLUME TOTAL = 13103 ACRE-FT.



YAMPA RIVER BASIN

HARRISON CREEK AT MOUTH

LOCATION.--Lat 40°21', long 106°47'45" in sec . 34, T.5 N., R. 84 W., in Routt County, 25 feet downstream from private bridge about 150 yards above Lake Catamount.

DRAINAGE AREA.--17.4 mi<sup>2</sup>.

GAGE.--Staff gage. Approximate elevation of gage is 6950

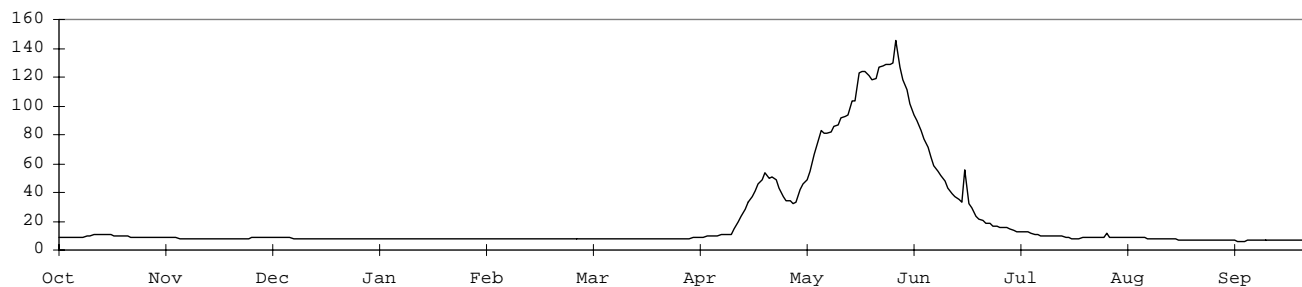
REMARKS.-- Record based on staff gage readings taken once per day by Lake Catamount personnel. Staff gage installed by USFS in 1989. Records developed by Kent Holt.

RATING TABLE.--HARRISON (dated 10-19-1994) used 01-OCT-1993 to 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.65	8.65	8.65	8.08	8.08	8.08	8.08	33.7	145	16	11.7	6.49
2	8.65	8.65	8.65	8.08	8.08	8.08	8.29	32	127	16	9.23	6.49
3	8.65	8.65	8.65	8.08	8.08	8.08	8.5	33.5	118	15.3	8.65	6.49
4	8.65	8.65	8.65	8.08	8.08	8.08	8.72	41.8	111	14.5	8.65	6.49
5	8.65	8.08	8.65	8.08	8.08	8.08	8.93	45.9	101	13.8	8.65	6.49
6	8.65	8.08	8.65	8.08	8.08	8.08	9.15	48.9	94	13.1	8.65	6.49
7	9.23	8.08	8.65	8.08	8.08	8.08	9.37	54.7	89.3	13.1	8.65	6.49
8	9.23	8.08	8.08	8.08	8.08	8.08	9.59	66.6	83.1	13.1	8.65	6
9	9.84	8.08	8.08	8.08	8.08	8.08	9.82	73.2	77.1	12.3	9.23	6
10	9.84	8.08	8.08	8.08	8.08	8.08	10.1	83.3	71.2	11.6	9.23	6
11	10.5	8.08	8.08	8.08	8.08	8.08	10.3	80.7	64.2	10.9	8.65	6.49
12	10.5	7.54	8.08	8.08	8.08	8.08	10.5	81.3	58.9	10.8	8.65	6.49
13	10.5	7.54	8.08	8.08	8.08	8.08	10.8	81.9	55.1	10.2	8.08	6.49
14	10.5	7.54	8.08	8.08	8.08	8.08	11	85.8	51.5	10.1	8.08	6.49
15	10.5	7.54	8.08	8.08	8.08	8.08	14.7	86.4	47.9	9.46	7.54	6.49
16	10.5	7.54	8.08	8.08	8.08	8.08	19.7	92.1	43.3	9.42	7.54	6.49
17	9.84	7.54	8.08	8.08	8.08	8.08	23.6	92.7	38.9	9.37	7.54	6.49
18	9.84	8.08	8.08	8.08	8.08	8.08	28.7	93.3	36.9	9.32	7.54	6.49
19	9.84	8.08	8.08	8.08	8.08	8.08	33.2	103	35	9.28	7.54	6.49
20	9.84	8.08	8.08	8.08	8.08	8.08	37	103	33.1	8.65	7.54	6.49
21	9.84	8.08	8.08	8.08	8.08	8.08	40.8	123	55.3	8.65	7.54	6.49
22	9.23	8.08	8.08	8.08	8.08	8.08	46.1	124	32.6	7.54	7	6.49
23	9.23	8.08	8.08	8.08	8.08	8.08	49.2	124	28.8	7.54	7	6.49
24	9.23	8.08	8.08	8.08	8.08	8.08	53.6	121	23.3	7.54	7	6.49
25	9.23	8.08	8.08	8.08	8.08	8.08	50.1	118	21.7	8.65	7	6.49
26	9.23	8.65	8.08	8.08	8.08	8.08	50.6	119	20.2	8.65	7	6.49
27	8.65	8.65	8.08	8.08	8.08	8.08	48.5	127	18.8	9.23	6.49	6.49
28	8.65	8.65	8.08	8.08	8.08	8.08	42.8	128	18.2	9.23	6.49	6.49
29	8.65	8.65	8.08	8.08	8.08	8.08	37.3	129	16.8	9.23	6.49	6.49
30	8.65	8.65	8.08	8.08	8.08	8.08	34.4	129	16.8	9.23	6.49	6.49
31	8.65	8.65	8.08	8.08	8.08	8.08	8.08	130	9.23	9.23	6.49	
TOTAL	291	244	255	251	226	251	743	2784	1734	331	245	193
MEAN	9.4	8.14	8.21	8.08	8.08	8.08	24.8	89.8	57.8	10.7	7.9	6.44
AF	578	485	505	497	449	497	1474	5523	3439	657	486	383

TOTAL = 7549 CFS-DAYS MAX = 145 CFS MIN = 6 CFS MEAN FOR 365 DAYS = 20.7 CFS VOLUME TOTAL=14972 ACRE-FT.



NORTH PLATTE RIVER BASIN

MICHIGAN RIVER NEAR GOULD

**LOCATION.**--Lat 40°34'40", long 106°03'30", in sec. 17, T.7 N., R.77 W., in Jackson County, on bridge pier 200 feet downstream from Squibob ditch.

**DRAINAGE AREA.**--90 mi<sup>2</sup>.

**GAGE.**--Float driven satellite telemetry. Approximate elevation of gage is 8640 feet.

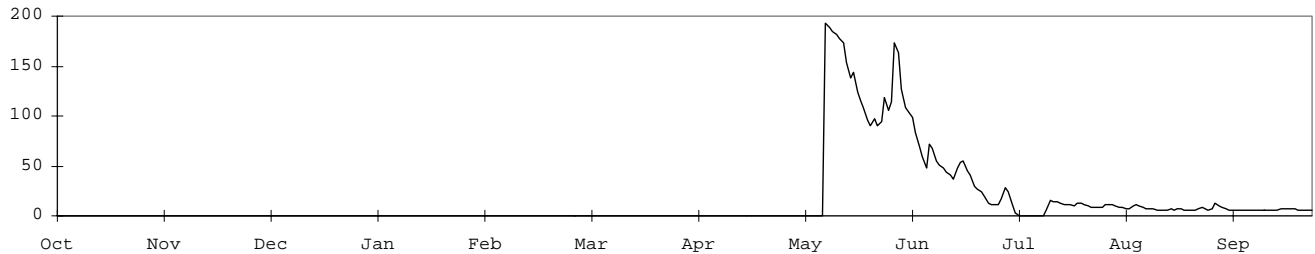
**REMARKS.**--Record is complete & reliable after May 17. Estimated discharges from May 12 through May 17 and July 8 through July 14. Site also known as Michigan River at Lindland. Staff gage installed at current site & datum in 1980. Records developed by Kent Holt.

**RATING TABLE.**--MICGOUCO (dated 10-19-1994) used 01-OCT-1993 to 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									173	11.8	10.6	7.74
2									163	16.9	11.8	12.2
3									127	27.9	11.2	9.83
4									109	24.3	9.97	8.72
5									104	11.3	8.85	7.16
6									97.9	3.18	8.3	6.18
7									83.1	.408	7.26	5.71
8									69.4	.2	7.74	5.69
9									59.1	.2	10.4	5.67
10									47.3	.2	11	5.66
11									71.2	.2	9.26	5.64
12								193	67	.2	8.17	5.62
13								189	54.6	.2	7.13	5.6
14								185	50.9	.2	7.11	5.58
15								181	48.4	5.82	6.61	6.01
16								177	43.8	14.8	6.13	6.01
17								173	40.5	14.1	6.11	6.01
18								154	36.3	13.4	6.09	5.56
19								138	47.5	12.8	6.07	5.56
20								143	52.9	11.5	6.51	6.01
21								124	55	10.9	6.03	6.95
22								115	44.7	10.9	6.47	7.44
23								108	41.3	9.69	6.46	6.95
24								95.9	29.5	12	5.97	6.47
25								89.7	26.7	12	5.51	6.47
26								96.8	24	10.8	5.49	6.01
27								90.6	19.1	9.6	5.47	6.01
28								94.7	12.1	9.03	6.83	6.01
29								119	10.8	9.01	7.8	5.56
30								105	11.9	8.98	6.79	6.01
31								114		8.43	6.3	
TOTAL								2683	1822	281	235	196
MEAN								134	60.7	9.05	7.59	6.54
AF								5323	3614	557	467	389

TOTAL = 5217 CFS-DAYS MAX = 193 CFS MIN = .2 CFS MEAN FOR 142 DAYS = 36.7 CFS VOLUME TOTAL = 10349 ACRE-FT.



NORTH PLATTE RIVER BASIN

ILLINOIS RIVER NEAR RAND

**LOCATION.**--Lat 40°27'45", long 106°10'30", in sec. 29, T.6 N., R.78 W., in Jackson County, on right upstream bridge abutment.

**DRAINAGE AREA.**--68 mi<sup>2</sup>.

**GAGE.**--Float driven satellite telemetry. Approximate elevation of gage is 8550 feet.

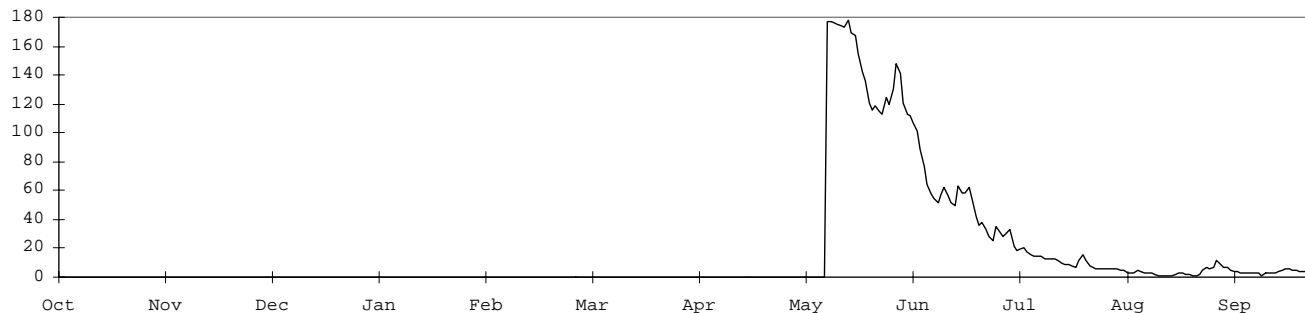
**REMARKS.**--Record is complete & reliable after May 17. Estimated discharges from May 12 through May 17. Staff gage installed at current site & datum in 1981. Records developed by Kent Holt. Formerly published as Illinois Creek near Rand (1931-1940) at similar location.

**RATING TABLE.**--ILLRANCO (dated 10-19-1994) used 01-OCT-1993 to 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									148	31.1	5.83	7.16
2									141	28.6	5.89	11.8
3									121	31.3	5.95	9.15
4									113	33.2	6.01	7.23
5									112	21.8	5.24	6.36
6									107	18.3	5.29	5.12
7									101	19.1	3.11	4.01
8									88.4	20.7	2.51	3.67
9									76.4	18	3.15	3.35
10									64	15.4	4.57	3.37
11									57	14.9	3.51	3.06
12								177	54.6	14.9	3.2	2.76
13								177	51.3	14.4	2.59	2.78
14								176	57.8	12.7	2.61	2.8
15								175	62.2	12.2	1.79	1.45
16								174	56.4	12.8	1.33	3.11
17								173	51.9	12.3	1.13	3.11
18								178	49.7	11.3	.936	3.11
19								169	62.9	10.2	1.15	3.11
20								167	58.2	8.76	1.38	3.78
21								155	58.1	8.33	1.62	4.9
22								142	62.6	7.44	3.05	5.7
23								136	54.5	7.04	3.06	5.7
24								121	41.9	11.2	2.18	4.9
25								116	36.1	15.4	1.68	4.51
26								119	37.8	11.3	1.45	4.14
27								115	33.2	8.25	1.24	3.78
28								113	27.9	6.45	2.24	3.44
29								125	25.4	6.08	4.96	3.44
30								120	34.7	5.72	6.66	3.44
31								130		5.36	5.4	
TOTAL								2956	2045	454	101	134
MEAN								148	68.2	14.7	3.25	4.48
AF								5864	4056	901	200	266

TOTAL = 5691 CFS-DAYS MAX = 178 CFS MIN = .936 CFS MEAN FOR 142 DAYS = 40.1 CFS VOLUME TOTAL=11288 ACRE-FT.





SAN JUAN RIVER BASIN

DOLORES TUNNEL OUTLET NEAR DOLORES, CO

LOCATION.--Lat 37°28'00", long 108°32'30", in SW¼SE¼ sec. 18, T. 37 N., R.15 W., NMPM, Montezuma County.

DRAINAGE AREA.--N/A

GAGE.--Satellite telemetry at a 15 foot Parshall flume.

REMARKS.--Records good. Station maintained by the Dolores Conservancy District and records developed by Scott D. Brinton.

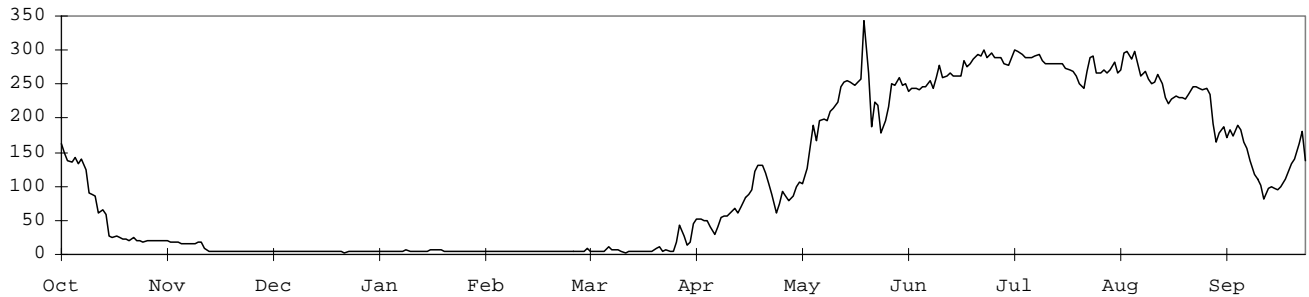
RATING TABLE.--DOLTUNCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	20	3.9	3.7	3.4	5.0	28	85	250	289	266	245
2	150	18	3.9	3.7	3.4	4.8	13	78	248	288	270	234
3	138	18	3.9	3.7	3.4	4.8	19	86	260	288	267	192
4	135	17	4.1	3.7	3.4	9.6	45	100	248	281	272	165
5	142	16	4.0	3.7	3.4	5.1	51	107	251	277	282	179
6	134	16	4.0	3.7	3.4	5.1	52	103	239	289	267	187
7	139	16	4.0	4.1	3.5	5.2	49	126	244	300	271	172
8	125	16	4.0	4.4	3.4	5.1	49	157	243	299	295	182
9	91	16	3.9	4.4	3.4	5.2	40	189	242	293	298	175
10	89	17	4.0	5.7	3.5	11	30	168	246	290	287	190
11	85	19	4.1	5.6	3.4	6.3	40	196	247	290	298	183
12	62	10	3.9	5.1	3.4	6.3	55	198	256	290	279	165
13	66	4.8	4.0	4.9	3.5	6.3	56	197	244	291	262	156
14	59	4.8	3.6	4.8	3.4	4.7	56	209	259	293	269	138
15	28	4.6	3.4	4.8	3.4	3.3	63	215	277	284	257	118
16	25	4.0	3.4	5.3	3.4	4.5	68	224	259	281	251	111
17	26	3.7	3.4	5.8	3.4	3.9	62	247	262	281	252	101
18	25	3.5	3.4	5.8	3.4	3.9	69	252	266	281	265	81
19	23	3.4	3.4	5.8	3.4	4.1	84	256	262	280	250	96
20	23	4.0	3.4	5.9	3.4	4.2	87	253	261	280	230	100
21	21	4.4	3.4	5.3	3.4	4.1	94	249	262	280	221	97
22	25	4.0	3.4	4.8	3.4	3.9	121	252	284	273	228	95
23	20	3.9	3.3	4.8	3.4	4.4	130	257	275	271	232	99
24	20	3.9	3.7	4.8	3.4	8.6	130	343	279	269	231	111
25	19	3.9	3.4	4.6	3.4	12	119	267	286	261	230	123
26	20	3.9	3.4	4.4	3.4	4.4	105	187	293	250	228	134
27	21	4.0	3.7	4.1	3.4	5.8	88	224	291	244	234	139
28	21	4.0	4.1	3.6	4.8	5.1	61	220	300	268	246	163
29	21	4.1	3.8	3.4	---	4.8	74	179	289	290	246	181
30	21	4.1	3.7	3.4	---	17	92	196	295	291	244	137
31	21	---	3.7	3.4	---	44	---	216	---	266	242	---
TOTAL	1957	272.0	115.3	141.2	96.9	222.5	2030	6036	7918	8708	7970	4449
MEAN	63.1	9.07	3.72	4.55	3.46	7.18	67.7	195	264	281	257	148
AC-FT	3880	540	229	280	192	441	4030	11970	15710	17270	15810	8820
MAX	162	20	4.1	5.9	4.8	44	130	343	300	300	298	245
MIN	19	3.4	3.3	3.4	3.4	3.3	13	78	239	244	221	81

CAL YR 1993 TOTAL 32855.8 MEAN 90.0 MAX 273 MIN 3.3 AC-FT 65170  
WTR YR 1994 TOTAL 39915.9 MEAN 109 MAX 343 MIN 3.3 AC-FT 79170

MAX DISCH 481 CFS AT 1000 24-MAY-1994 GH 3.65 FT. SHIFT 0.11 FT. MAX GH 3.65 FT. AT 1000 24-MAY-1994



SAN JUAN RIVER BASIN

LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES, CO

LOCATION.--Lat 37°30'24", long 108°35'28", in NW¼SW¼ sec. 35, T.38 N., R.16 W., NMPM, Montezuma County.

DRAINAGE AREA.--N/A

GAGE.--Satellite telemetry at a 12 foot Parshall flume.

REMARKS.--Records good. Station maintained by the Dolores Conservancy District and records developed by Scott D. Brinton.

RATING TABLE.--MVIDIVCO USED FROM 01-OCT-1993 TO 31-OCT-1993

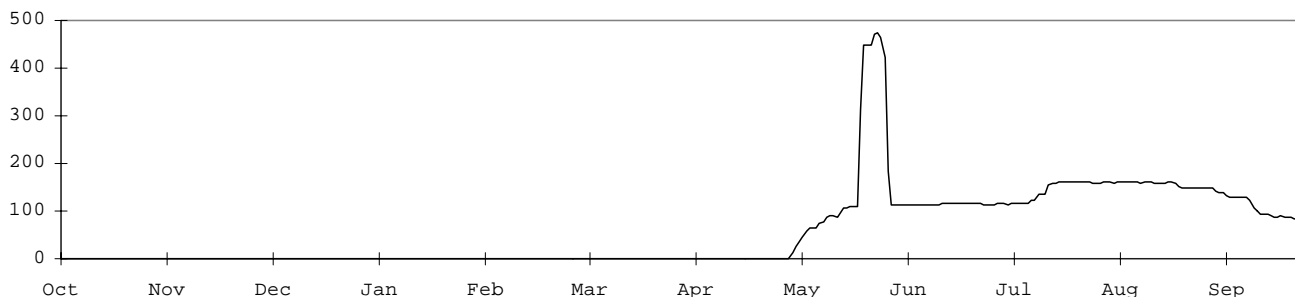
RATING TABLE.--MVIDIVCO01 USED FROM 01-NOV-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	112	114	159	149
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112	115	160	149
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	113	115	160	148
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	113	115	160	143
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	113	114	159	138
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	113	116	160	138
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	113	115	161	132
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	113	116	160	129
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	114	116	160	129
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65	113	116	161	128
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75	113	115	160	129
12	0.0	0.88	0.0	0.0	0.0	0.0	0.0	79	113	121	160	128
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86	112	122	159	128
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89	112	136	160	121
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89	112	137	161	108
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88	115	136	160	100
17	0.0	0.25	0.0	0.0	0.0	0.0	0.0	96	116	156	159	95
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107	115	159	159	92
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108	115	159	159	92
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	109	115	160	159	90
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	109	115	162	160	88
22	0.0	0.0	0.0	0.0	0.0	0.16	0.0	109	115	160	160	88
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	314	115	160	159	89
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	449	115	161	152	88
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	448	115	160	149	88
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	447	115	160	149	87
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	471	115	160	149	85
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	474	114	160	150	85
29	0.0	0.0	0.0	0.0	---	0.0	0.0	464	114	160	150	85
30	0.0	0.0	0.0	0.0	---	0.0	0.0	424	114	159	149	52
31	0.0	---	0.0	0.0	---	0.0	---	183	---	158	149	---
TOTAL	0.0	1.14	0.0	0.0	0.0	0.16	0.0	5187	3414	4313	4872	3301
MEAN	0.0	0.04	0.0	0.0	0.0	0.01	0.0	167	114	139	157	110
AC-FT	0.0	2.3	0.0	0.0	0.0	0.32	0.0	10290	6770	8550	9660	6550
MAX	0.0	0.88	0.0	0.0	0.0	0.16	0.0	474	116	162	161	149
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112	114	149	52

CAL YR 1993 TOTAL 19692.15 MEAN 54.0 MAX 368 MIN 0.00 AC-FT 39060  
WTR YR 1994 TOTAL 21088.30 MEAN 57.8 MAX 474 MIN 0.00 AC-FT 41830

MAX DISCH 517 CFS AT 1000 27-MAY-1994 GH 4.44 FT. SHIFT 0.05 FT. MAX GH 4.44 FT. AT 1000 27-MAY-1994



DOLOROS RIVER BASIN

DOLOROS RIVER BELOW MCPHEE RESERVOIR NEAR DOLOROS, CO

LOCATION.--Lat 37°34'33", long 108°34'33", in SE¼SE¼ sec. 2, T.38 N., R.16 W., NMPM, Montezuma County.

DRAINAGE AREA.--550 mi².

GAGE.--Satellite telemetry and 15 foot Parshall flume with wing walls. Datum of gauge is 6,630 ft above National Geodetic Vertical Datum of 1929, from topographic map.

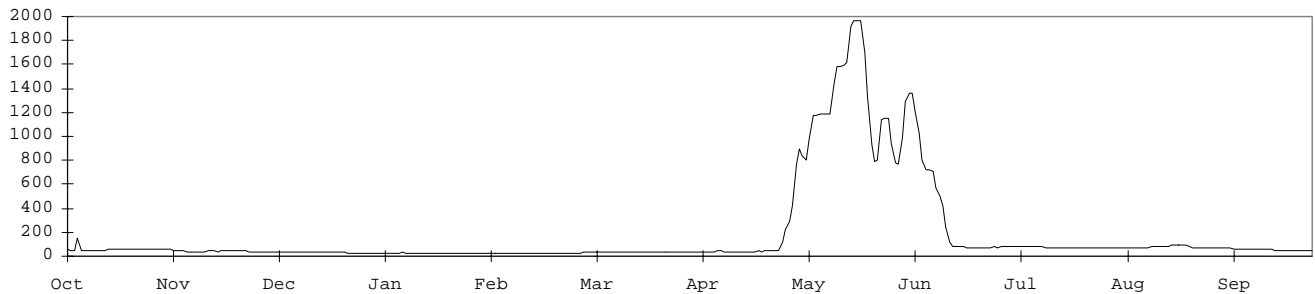
REMARKS.--Records good. Diversions for irrigation of up to 47,000 acres upstream of gage in the Dolores River basin and diversions for irrigation of up to 4700 acres in the San Juan Basin. Flow regulated by McPhee Reservoir, capacity 381,000 acre-feet. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--DOLBMCCO03 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	47	35	29	29	36	38	421	766	76	69	69
2	52	42	35	29	29	40	38	768	993	76	70	68
3	52	41	35	29	29	39	38	892	1290	77	69	68
4	147	41	35	29	29	38	39	832	1360	77	69	68
5	51	40	35	29	29	38	40	804	1360	77	70	67
6	51	40	35	29	29	38	40	972	1210	77	70	67
7	51	40	35	30	29	38	40	1170	1020	77	70	60
8	51	40	35	29	28	38	40	1180	804	77	67	58
9	51	40	35	28	28	38	41	1190	724	77	70	59
10	51	40	35	28	28	38	41	1190	718	77	70	59
11	51	41	35	28	28	37	40	1190	712	77	71	59
12	52	41	35	29	28	38	40	1190	568	77	74	59
13	56	41	35	29	28	38	40	1440	502	76	75	59
14	57	40	35	29	28	38	40	1580	414	75	76	58
15	57	41	35	29	28	38	40	1580	242	75	78	58
16	57	42	32	29	28	38	40	1590	112	75	78	57
17	57	42	30	29	28	38	40	1620	77	75	80	55
18	57	42	30	29	29	38	40	1920	78	75	82	55
19	55	41	30	29	28	38	40	1960	79	75	85	51
20	54	41	30	29	28	38	40	1970	80	75	89	47
21	55	41	30	29	28	37	41	1970	73	74	89	47
22	55	41	29	29	28	36	40	1700	66	71	91	47
23	55	40	29	29	28	37	41	1330	67	69	92	47
24	55	40	29	29	28	38	41	930	68	69	92	47
25	55	40	29	28	28	38	41	790	68	69	83	46
26	55	40	29	28	28	38	41	804	69	70	71	46
27	55	40	29	28	28	38	41	1140	70	71	72	48
28	55	40	29	29	28	38	116	1150	73	71	70	51
29	55	40	29	29	---	38	218	1150	76	70	69	51
30	55	37	29	28	---	38	287	944	75	69	69	51
31	55	---	29	29	---	38	---	778	---	68	69	---
TOTAL	1773	1222	997	893	792	1174	1702	38145	13814	2294	2349	1682
MEAN	57.2	40.7	32.2	28.8	28.3	37.9	56.7	1230	460	74.0	75.8	56.1
AC-FT	3520	2420	1980	1770	1570	2330	3380	75660	27400	4550	4660	3340
MAX	147	47	35	30	29	40	287	1970	1360	77	92	69
MIN	51	37	29	28	28	36	38	421	66	68	67	46
CAL YR 1993 TOTAL		214304	MEAN	587	MAX	4140	MIN	29	AC-FT	425100		
WTR YR 1994 TOTAL		66837	MEAN	183	MAX	1970	MIN	28	AC-FT	132600		

MAX DISCH 1951 CFS AT 0800 18-MAY-1994 GH 5.45 FT. SHIFT -0.04 FT. MAX GH 5.45 FT. AT 0800 18-MAY-1994



SAN JUAN RIVER BASIN

BLANCO DIVERSION NEAR PAGOSA SPRINGS, CO

LOCATION.--Lat 37°12'13", long 106°48'35", in NW¼NE¼ sec. 11, T.34 N., R.1 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter and well at a 12 foot Parshall flume.

REMARKS.--Record good. Station maintained by the U.S.B.R. and records developed by Scott D. Brinton.

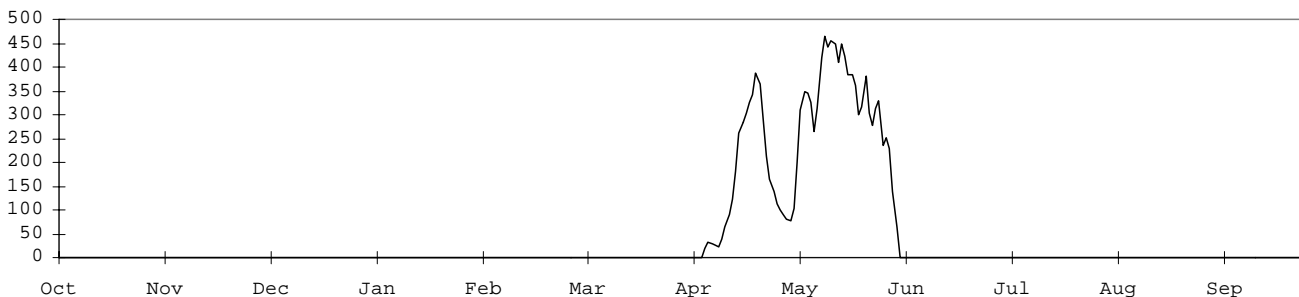
RATING TABLE.--BLADIVCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.55	0.0	0.0	0.0	0.0	0.0	0.0	91	228	0.0	0.0	0.0
2	0.54	0.0	0.0	0.0	0.0	0.0	0.0	80	139	0.0	0.0	0.0
3	0.57	0.0	0.0	0.0	0.0	0.0	0.0	76	63	0.0	0.0	0.0
4	0.54	0.0	0.0	0.0	0.0	0.0	0.0	103	1.1	0.0	0.0	0.0
5	0.43	0.0	0.0	0.0	0.0	0.0	0.0	201	0.79	0.0	0.0	0.0
6	0.31	0.0	0.0	0.0	0.0	0.0	0.0	310	0.74	0.0	0.0	0.0
7	0.39	0.0	0.0	0.0	0.0	0.0	0.0	348	0.64	0.0	0.0	0.0
8	0.39	0.0	0.0	0.0	0.0	0.0	0.0	19	345	0.60	0.0	0.0
9	0.39	0.0	0.0	0.0	0.0	0.0	0.0	33	326	0.59	0.0	0.0
10	0.38	0.0	0.0	0.0	0.0	0.0	0.0	28	264	0.50	0.0	0.0
11	0.39	0.0	0.0	0.0	0.0	0.0	0.0	25	313	0.32	0.0	0.0
12	0.29	0.0	0.0	0.0	0.0	0.0	0.0	24	419	0.35	0.0	0.0
13	0.07	0.0	0.0	0.0	0.0	0.0	0.0	38	465	0.46	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65	443	0.22	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89	455	0.06	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	124	447	0.02	0.0	0.0
17	0.07	0.0	0.0	0.0	0.0	0.0	0.0	182	411	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	262	448	0.04	0.0	0.0
19	0.10	0.0	0.0	0.0	0.0	0.0	0.0	284	424	0.0	0.0	0.0
20	0.02	0.0	0.0	0.0	0.0	0.0	0.0	302	385	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	325	384	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	343	361	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	386	300	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	366	315	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	291	380	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	213	303	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165	279	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138	313	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	112	330	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	99	237	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	251	---	0.0	0.0	---
TOTAL	5.45	0.0	0.0	0.0	0.0	0.0	3913	9807	436.44	0.0	0.0	0.0
MEAN	0.18	0.0	0.0	0.0	0.0	0.0	130	316	14.5	0.0	0.0	0.0
AC-FT	11	0.0	0.0	0.0	0.0	0.0	7760	19450	866	0.0	0.0	0.0
MAX	0.57	0.0	0.0	0.0	0.0	0.0	386	465	228	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76	0.0	0.0	0.0	0.0

CAL YR 1993 TOTAL 17625.59 MEAN 48.3 MAX 440 MIN 0.00 AC-FT 34960  
WTR YR 1994 TOTAL 14161.89 MEAN 38.8 MAX 465 MIN 0.00 AC-FT 28090

MAX DISCH 508 CFS AT 1800 13-MAY-1994 GH 4.44 FT. SHIFT 0.00 FT. MAX GH 4.44 FT. AT 1800 13-MAY-1994



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.**--69.1 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in a concrete shelter and well at a 4 ft. Parshall flume with supplemental outside gage. The DCP is the primary record. Datum of gage is 7,858.04 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Bureau of Reclamation).

**REMARKS.**--Record is complete and reliable except for the following periods: Dec. 9-21, 28-29, 1993; Jan. 2-3, 1994 when ice above the flume altered the approach section and May 21-29; Jul. 16-25, 1994 when a large amount of gravel in the flume approach section resulted in an indefinite stage-discharge relationship. Stage-discharge relationship affected by ice Dec. 22-27, 30-31, 1993; Jan. 1, 7-25, 27-31; Feb. 1-2, 6-7, 23-25, 27; Mar. 1-5, 1994. Record fair except for the winter period and the period of indefinite stage-discharge relationship which is poor. Station maintained by U.S.B.R. Records developed by Scott D. Brinton.

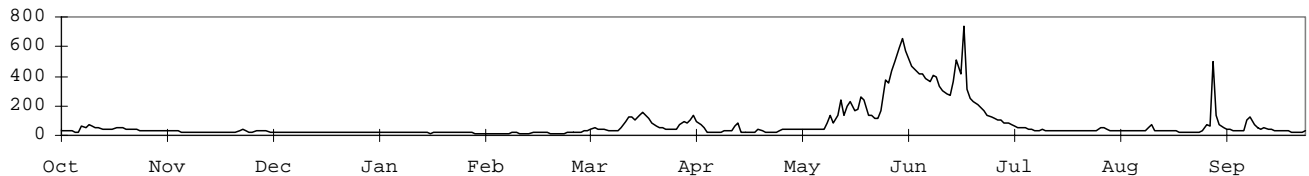
**RATING TABLE.**--RIOBLACO05 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	29	25	18	10	20	89	41	436	115	49	77
2	27	28	24	18	11	22	83	40	503	107	53	63
3	27	27	22	18	12	26	106	41	597	99	38	497
4	26	27	22	18	12	30	135	43	651	88	33	130
5	25	25	22	19	14	40	94	45	574	78	30	77
6	24	19	21	17	12	49	74	42	515	71	29	54
7	58	21	19	16	12	45	55	41	471	61	27	46
8	48	19	18	17	12	44	24	41	434	49	26	38
9	77	18	18	18	15	37	24	41	414	51	29	32
10	60	19	18	17	17	35	24	46	417	47	28	30
11	51	24	18	16	17	33	23	41	388	42	30	28
12	56	23	18	16	15	31	25	42	364	38	31	29
13	46	24	17	16	14	33	26	80	402	36	28	99
14	42	24	16	16	15	55	27	131	391	35	34	126
15	40	22	17	17	15	98	26	86	337	37	54	71
16	38	21	18	16	17	128	67	130	300	36	71	50
17	57	22	17	15	17	124	82	244	279	36	36	42
18	57	22	17	16	16	104	23	134	269	36	32	48
19	56	21	17	16	18	132	21	201	359	34	29	43
20	45	20	16	17	16	161	19	230	513	34	34	38
21	43	23	18	18	15	131	22	170	418	34	32	35
22	44	26	18	17	15	111	22	180	739	32	30	31
23	38	39	16	16	15	81	40	260	314	32	26	28
24	35	35	16	17	15	64	29	240	253	32	24	27
25	36	20	18	18	15	56	23	140	227	30	23	26
26	35	22	18	19	19	52	22	130	206	30	21	24
27	33	26	16	18	18	46	23	110	189	28	19	22
28	33	28	18	18	18	40	22	110	164	35	19	21
29	30	27	18	16	---	42	32	170	137	33	20	20
30	27	26	18	14	---	46	41	376	123	33	20	26
31	28	---	18	12	---	69	---	350	---	34	31	---
TOTAL	1270	727	572	520	417	1985	1323	3976	11384	1483	986	1878
MEAN	41.0	24.2	18.5	16.8	14.9	64.0	44.1	128	379	47.8	31.8	62.6
AC-FT	2520	1440	1130	1030	827	3940	2620	7890	22580	2940	1960	3730
MAX	77	39	25	19	19	161	135	376	739	115	71	497
MIN	24	18	16	12	10	20	19	40	123	28	19	20

CAL YR 1993 TOTAL 30591 MEAN 83.8 MAX 1130 MIN 10 AC-FT 60680  
WTR YR 1994 TOTAL 26521 MEAN 72.7 MAX 739 MIN 10 AC-FT 52600

MAX DISCH 2522 CFS AT 0130 22-JUN-1994 GH 4.87 FT. SHIFT 0.10 FT. MAX GH 4.87 FT. AT 0130 22-JUN-1994



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 mi<sup>2</sup>.

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Nov. 26-30; Dec. 1-30, 1993; Feb. 25-Mar. 14, 1994 when the stage was ice affected; Dec. 31, 1993-Feb. 24, 1994 when the float was frozen in the well; Jun. 22-Jul. 7; Sep. 3-13, 1994 when the float was suspended on a pipe in the well due to flood stage flows. Records fair except for estimated daily discharges which are poor. Diversion for irrigation of up to 3170 acres upstream of gage. High water diversions upstream from station into Heron Reservoir thru the Azotea Tunnel began in 1971. Station maintained by Val Valentine and records developed by David A. Nelson and Scott D. Brinton.

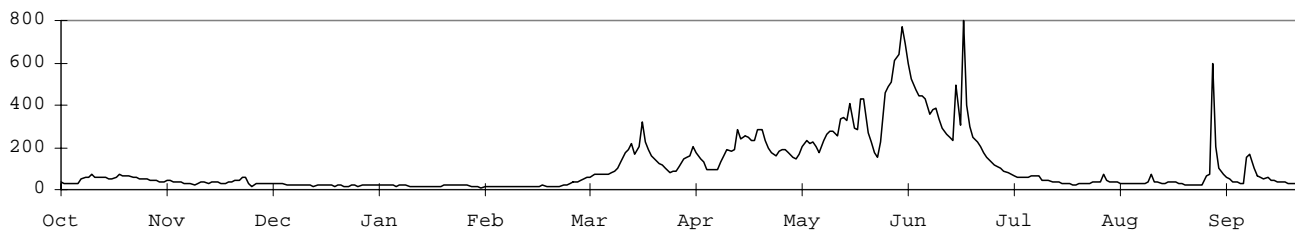
RATING TABLE.--RIOMOUCO03 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	42	30	20	10	40	149	192	509	120	36	68
2	32	42	28	20	12	45	156	173	610	110	70	70
3	30	36	26	20	14	50	160	156	640	100	45	600
4	29	35	26	20	14	55	201	149	770	90	38	200
5	28	34	26	22	16	60	173	170	688	80	36	100
6	27	27	24	20	14	70	142	204	598	75	33	70
7	48	27	22	18	14	75	134	232	526	65	30	60
8	60	27	20	20	14	75	93	216	470	55	30	50
9	60	23	20	20	16	70	98	222	445	56	30	40
10	72	29	20	20	18	75	93	204	440	56	29	35
11	60	34	20	18	18	80	95	176	430	56	29	30
12	59	34	20	18	16	90	132	235	354	63	29	30
13	59	32	20	18	16	100	160	262	379	64	29	150
14	56	36	18	18	16	130	187	276	388	63	26	166
15	53	33	20	18	16	178	184	280	338	44	39	102
16	49	33	20	18	18	189	189	258	290	43	76	67
17	56	29	20	16	18	219	283	338	262	42	40	55
18	72	31	20	18	18	170	238	340	248	40	36	49
19	64	35	20	18	20	207	252	326	232	36	32	58
20	67	37	18	18	18	322	245	410	497	34	31	45
21	63	44	20	20	18	229	235	294	306	31	39	42
22	60	47	20	20	18	192	232	283	800	26	35	39
23	56	58	18	20	18	160	286	430	400	26	33	35
24	53	59	18	20	18	138	286	426	300	25	30	33
25	49	27	20	20	20	127	235	269	250	25	28	32
26	49	15	20	20	25	117	198	225	225	26	25	30
27	44	26	18	20	30	104	178	176	200	26	23	28
28	47	30	20	20	35	78	163	156	175	28	22	27
29	45	30	20	18	---	85	184	224	150	32	21	26
30	38	30	20	16	---	86	189	460	130	33	20	41
31	37	---	20	12	---	106	---	487	---	35	22	---
TOTAL	1555	1022	652	584	498	3722	5550	8249	12050	1605	1042	2378
MEAN	50.2	34.1	21.0	18.8	17.8	120	185	266	402	51.8	33.6	79.3
AC-FT	3080	2030	1290	1160	988	7380	11010	16360	23900	3180	2070	4720
MAX	72	59	30	22	35	322	286	487	800	120	76	600
MIN	27	15	18	12	10	40	93	149	130	25	20	26

CAL YR 1993 TOTAL 53614 MEAN 147 MAX 1710 MIN 12 AC-FT 106300  
WTR YR 1994 TOTAL 38907 MEAN 107 MAX 800 MIN 10 AC-FT 77170

MAX DISCH 1975 CFS AT 0800 22-JUN-1994 GH 4.78 FT. SHIFT -0.03 FT. MAX GH 4.78 FT. AT 0800 22-JUN-1994



SAN JUAN RIVER BASIN

09344000 NAVAJO RIVER AT BANDED PEAK RANCH, NEAR CHROMO, CO

**LOCATION.**--Lat 37°05'07", long 106°41'20", in SE¼NW¼ sec. 24, T.33 N., R.2 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on left bank at downstream side of private bridge on Banded Peak Ranch, 0.5 mi downstream from Cutthroat Creek, 2.8 mi downstream from East Fork of the Navajo River, and 11.2 mi northeast of Chromo, Co.

**DRAINAGE AREA.**--69.8 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in a 42-inch metal pipe shelter. The DCP is the primary record. Datum of gage is 7,939.3 ft above National Geodetic Vertical Datum of 1929 (river--profile survey).

**REMARKS.**--Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Feb. 15-16, 25, 1994. Nov. 16, 1993-Feb. 14, 17, 1994 when float was frozen in well. Record fair except for the winter period and period of no gage-height record which is poor. Station maintained and records developed by Scott D. Brinton.

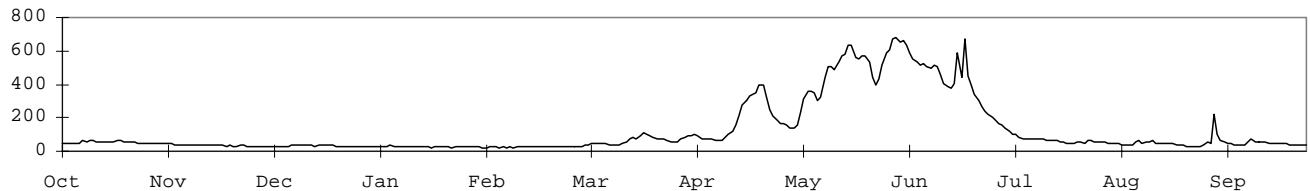
**RATING TABLE.**--NAVBANCO22 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	43	32	28	20	31	84	153	672	182	54	55
2	44	43	32	30	22	32	90	142	676	166	53	50
3	43	41	32	30	26	36	96	134	651	152	48	223
4	46	41	32	30	28	40	103	152	660	137	48	103
5	48	39	32	34	28	44	92	227	637	119	46	67
6	46	37	32	30	22	46	78	317	586	105	46	52
7	67	37	34	26	24	47	77	359	551	97	41	45
8	58	37	34	28	22	46	72	358	532	86	37	43
9	65	37	34	32	24	42	73	350	519	75	38	41
10	60	37	34	30	22	41	68	300	521	73	37	40
11	57	39	34	26	26	41	64	323	510	71	56	38
12	57	36	36	26	24	39	64	440	495	73	60	39
13	55	36	34	26	24	40	79	506	514	72	48	59
14	53	36	32	26	26	46	99	502	505	70	52	71
15	52	35	34	28	28	57	119	490	458	69	59	59
16	52	34	36	24	30	71	159	532	408	65	63	53
17	62	34	34	22	30	79	215	569	385	61	48	51
18	60	32	34	24	29	77	279	582	373	62	44	52
19	57	34	34	24	31	90	307	634	404	60	42	50
20	55	32	32	26	30	109	330	633	584	57	42	49
21	53	32	32	30	30	100	343	557	445	54	48	47
22	51	34	28	26	30	95	353	551	669	50	44	45
23	50	36	26	22	30	84	399	570	452	48	37	44
24	49	30	26	28	28	76	396	572	397	47	34	42
25	48	26	28	30	28	73	326	534	340	51	34	40
26	48	24	28	30	31	70	252	439	300	51	32	39
27	44	28	26	30	32	63	209	398	271	50	32	38
28	45	30	28	30	31	55	184	433	242	63	31	38
29	45	30	28	28	---	56	166	511	221	60	31	38
30	42	30	28	26	---	59	162	593	198	57	32	41
31	43	---	28	24	---	72	---	611	---	54	40	---
TOTAL	1600	1040	974	854	756	1857	5338	13472	14176	2437	1357	1652
MEAN	51.6	34.7	31.4	27.5	27.0	59.9	178	435	473	78.6	43.8	55.1
AC-FT	3170	2060	1930	1690	1500	3680	10590	26720	28120	4830	2690	3280
MAX	67	43	36	34	32	109	399	634	676	182	63	223
MIN	42	24	26	22	20	31	64	134	198	47	31	38

CAL YR 1993 TOTAL 54643 MEAN 150 MAX 829 MIN 22 AC-FT 108400  
WTR YR 1994 TOTAL 45513 MEAN 125 MAX 676 MIN 20 AC-FT 90280

MAX DISCH 987 CFS AT 0245 22-JUN-1994 GH 3.62 FT. SHIFT 0.01 FT. MAX GH 3.62 FT. AT 0245 22-JUN-1994



SAN JUAN RIVER BASIN

OSO DIVERSION NEAR CHROMO, CO

LOCATION.--Lat 37°01'49", long 106°44'14", in NE¼NE¼ sec. 9, T.32 N., R.2 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter at a 15 foot Parshall flume.

REMARKS.--Record good. Station maintained by U.S.B.R. and records developed by Scott D. Brinton.

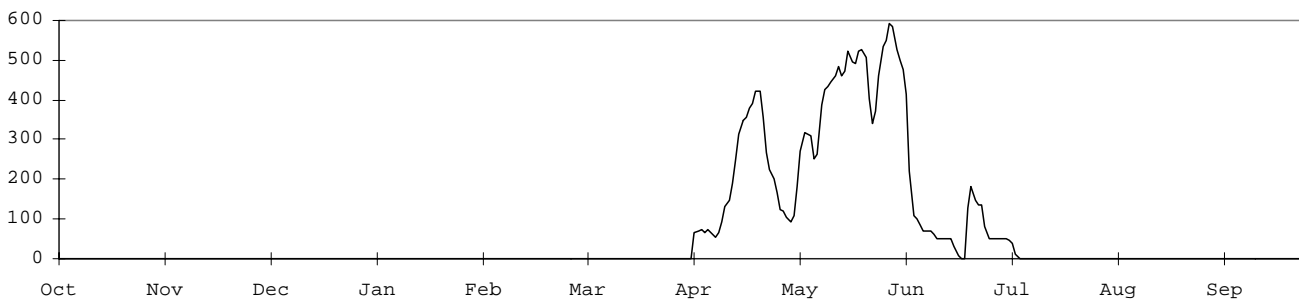
RATING TABLE.--OSODIVCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	119	593	51	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104	583	50	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94	526	50	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	109	501	50	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67	182	477	49	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71	270	415	47	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74	318	219	38	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65	312	107	11	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75	311	100	1.7	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	251	86	1.6	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55	264	71	1.1	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64	387	70	0.43	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	93	424	71	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130	435	60	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	147	444	50	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	189	459	50	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	249	484	50	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312	460	50	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	348	473	50	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	357	523	32	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	379	494	6.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	391	493	1.6	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	421	522	1.1	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	423	525	126	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	356	508	183	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	268	403	148	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	224	341	134	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200	371	136	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	---	0.0	165	461	83	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	---	0.0	123	536	52	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	549	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	5306	11626	5031.7	350.83	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	177	375	168	11.3	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	10520	23060	9980	696	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	423	549	593	51	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94	1.1	0.0	0.0	0.0

CAL YR 1993 TOTAL 26591.22 MEAN 72.9 MAX 548 MIN 0.00 AC-FT 52740  
WTR YR 1994 TOTAL 22314.53 MEAN 61.1 MAX 593 MIN 0.00 AC-FT 44260

MAX DISCH 632 CFS AT 2015 02-JUN-1994 GH 4.45 FT. SHIFT 0.00 FT. MAX GH 4.45 FT. AT 2015 02-JUN-1994





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.**--100.5 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in a concrete shelter with supplemental outside gage. Control is an 8-ft. Parshall flume set in a 60 ft. wide concrete structure that acts as a weir at high flows. The DCP is the primary record. Datum of gage is 7,665.30 ft above mean sea level.

**REMARKS.**--Flows controlled by diversion dam upstream of gage through the Oso Diversion Tunnel into the Azotea Tunnel, as part of the U.S.B.R. San Juan-Chama project. Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Nov. 23-28; Dec. 17-28, 1993; Jan. 6-8, 11-18, 20, 27-31; Feb. 1-7, 9-16, 1994. Record good except for the winter period, which is poor. Station maintained by U.S.B.R. Records developed by Scott D. Brinton.

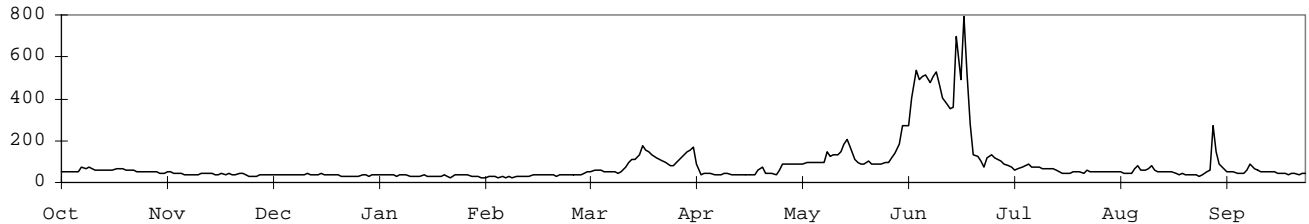
**RATING TABLE.**--NAVOSOCO03 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	48	38	35	22	36	132	91	118	120	50	49
2	51	48	39	36	24	37	144	91	138	110	52	57
3	51	46	39	35	28	42	154	91	185	101	49	271
4	53	46	38	36	30	48	166	91	271	91	53	145
5	55	44	39	40	30	54	90	91	270	81	52	88
6	53	39	39	36	24	57	40	91	271	70	51	65
7	74	40	40	32	26	58	41	92	401	61	48	55
8	65	40	40	34	24	57	41	95	536	65	44	51
9	70	39	40	38	26	52	41	95	489	74	46	49
10	66	40	40	37	24	49	39	96	504	78	45	47
11	62	44	40	32	28	49	38	96	514	86	67	45
12	61	43	42	32	26	48	40	97	475	76	81	46
13	59	41	40	32	26	47	45	148	508	74	60	61
14	58	42	38	32	28	55	42	127	526	71	59	90
15	57	40	39	34	30	72	38	131	473	67	68	68
16	57	40	41	28	34	94	38	135	400	66	80	59
17	67	41	38	26	37	109	39	150	372	68	58	55
18	65	39	38	28	38	107	40	182	354	66	53	54
19	63	41	38	29	36	133	38	209	357	59	51	54
20	60	40	36	30	36	178	38	172	698	50	50	51
21	58	40	36	34	35	153	38	112	490	47	55	49
22	57	43	32	30	35	144	38	97	795	45	54	45
23	55	44	30	25	33	129	57	91	520	42	46	42
24	53	34	30	34	34	116	70	91	278	49	40	41
25	52	28	32	36	35	109	47	101	131	50	41	40
26	52	26	32	35	38	105	47	90	127	49	40	41
27	48	32	32	34	39	97	42	90	103	45	40	41
28	50	36	34	34	38	81	38	90	74	58	40	40
29	51	38	34	32	---	84	60	90	115	53	34	41
30	44	37	33	30	---	92	91	94	133	51	28	42
31	47	---	34	26	---	111	---	96	---	53	34	---
TOTAL	1765	1199	1141	1012	864	2603	1812	3413	10626	2076	1569	1882
MEAN	56.9	40.0	36.8	32.6	30.9	84.0	60.4	110	354	67.0	50.6	62.7
AC-FT	3500	2380	2260	2010	1710	5160	3590	6770	21080	4120	3110	3730
MAX	74	48	42	40	39	178	166	209	795	120	81	271
MIN	44	26	30	25	22	36	38	90	74	42	28	40

CAL YR 1993 TOTAL 38445 MEAN 105 MAX 840 MIN 26 AC-FT 76260  
WTR YR 1994 TOTAL 29962 MEAN 82.1 MAX 795 MIN 22 AC-FT 59430

MAX DISCH 1260 CFS AT 0445 22-JUN-1994 GH 4.89 FT. SHIFT -0.03 FT. MAX GH 5.07 FT. AT 0715 13-FEB-1994



SAN JUAN RIVER BASIN

LITTLE OSO DIVERSION NEAR CHROMO, CO

LOCATION.--Lat 37°04'38", long 106°48'38", in SW¼SE¼ sec. 23, T.33 N., R.1 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter and well at a 6 foot Parshall flume.

REMARKS.--Record good. Station maintained by the U.S.B.R. and records developed by Scott D. Brinton.

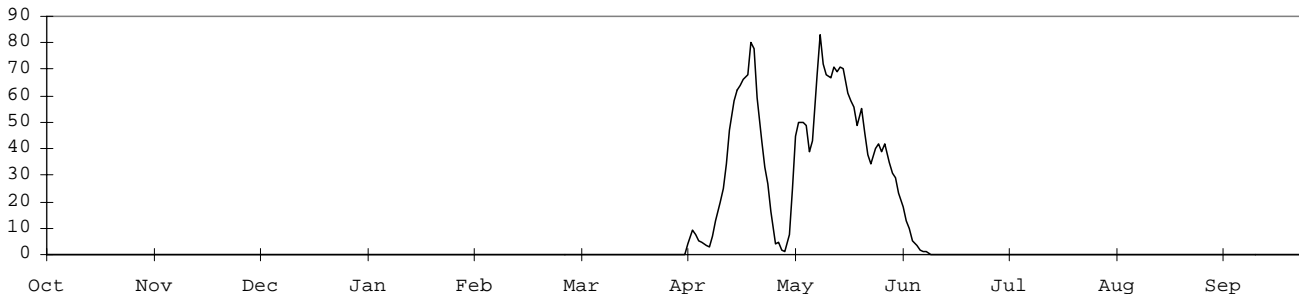
RATING TABLE.--LOSODVCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	4.5	42	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	35	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	31	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	29	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	4.3	25	23	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	9.3	45	18	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	7.5	50	13	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	5.3	50	10	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	4.8	49	5.4	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	3.4	39	3.6	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	2.9	43	2.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	7.1	68	1.3	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	13	83	1.3	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	20	72	0.23	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	25	68	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	34	67	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	47	71	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	58	69	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	62	71	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	64	70	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	66	61	0.06	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	68	58	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	80	56	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	78	49	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	59	55	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	43	46	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	33	38	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	27	34	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	16	40	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	4.3	42	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	39	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	841.9	1472.9	214.89	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	28.1	47.5	7.16	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	1670	2920	426	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	80	83	42	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0

CAL YR 1993 TOTAL 3130.16 MEAN 8.58 MAX 100 MIN 0.00 AC-FT 6210  
WTR YR 1994 TOTAL 2529.69 MEAN 6.93 MAX 83 MIN 0.00 AC-FT 5020

MAX DISCH 101 CFS AT 1900 23-APR-1994 GH 2.46 FT. SHIFT 0.00 FT. MAX GH 2.46 FT. AT 1900 23-APR-1994



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 mi<sup>2</sup>.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

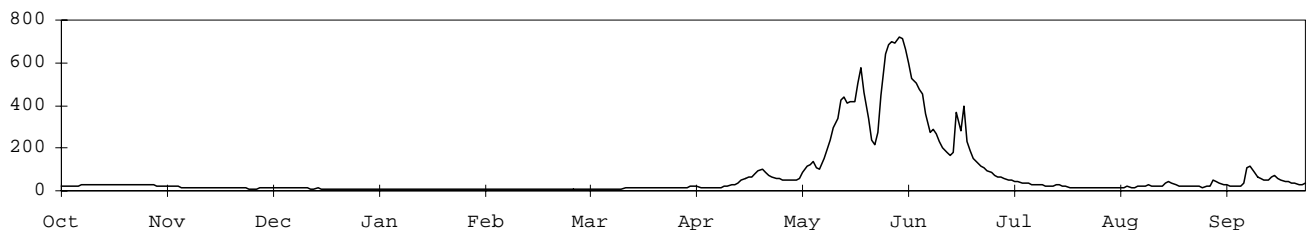
REMARKS.--Estimated daily discharge: Nov. 25-28; Dec. 2-6, 13-24, 29-30, 1993; Jan. 1-2, 7-8, 10-23, 29-31; Feb. 1-3, 6, 9-10, 12-16, 20, 22-25; Mar. 1-2, 9-10, 28, 1994, when the stage was ice affected. Records good except for estimated daily discharges which are poor. Station maintained and records developed by Frank J. Kugel and Scott D. Brinton.

RATING TABLE.--FLOALECO04 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	23	13	7.0	4.0	7.5	18	54	700	73	12	19
2	21	21	12	7.0	4.5	8.0	18	50	693	67	13	19
3	21	20	12	7.2	5.0	8.5	19	52	722	63	12	51
4	20	20	12	7.2	6.4	9.3	20	50	715	57	11	46
5	20	16	11	7.2	6.1	9.8	19	60	660	51	12	33
6	19	13	11	7.0	6.0	9.6	18	84	598	47	18	28
7	26	16	12	6.5	6.3	9.6	18	113	525	43	15	26
8	26	14	12	6.5	6.5	9.6	17	120	505	40	14	24
9	28	14	12	7.0	6.0	9.5	17	134	478	37	21	22
10	30	15	11	6.5	6.0	9.0	17	110	457	35	18	21
11	29	16	11	6.5	6.4	9.1	16	104	359	33	18	21
12	30	14	12	6.0	6.0	9.1	17	151	273	31	24	39
13	31	17	10	6.0	6.0	9.3	20	195	285	30	21	110
14	30	16	10	6.0	6.5	10	25	240	270	28	24	113
15	28	15	11	5.5	6.5	11	27	299	230	27	28	86
16	28	14	9.0	5.5	7.0	13	32	341	200	25	23	67
17	32	15	8.0	5.5	7.2	14	39	426	182	23	20	57
18	30	14	9.0	6.0	7.3	14	49	440	166	22	20	54
19	29	14	10	5.5	7.0	15	56	414	179	28	22	48
20	29	13	9.0	5.5	7.0	18	63	416	366	26	39	67
21	29	14	9.0	5.0	7.2	18	66	421	283	24	41	71
22	30	14	8.0	5.0	7.0	18	77	502	395	20	33	58
23	30	15	9.0	5.0	6.5	17	97	573	232	18	28	51
24	30	13	9.0	5.7	7.0	17	102	464	184	16	25	44
25	29	10	9.4	5.6	7.5	17	87	338	154	16	24	40
26	29	8.0	8.8	5.5	7.9	16	74	237	133	14	23	37
27	26	10	8.1	5.5	8.0	15	65	216	116	13	21	33
28	27	12	7.8	5.6	7.6	15	58	275	106	12	20	31
29	25	14	7.0	5.0	---	16	57	446	96	11	20	29
30	20	13	7.0	4.5	---	16	53	640	85	11	19	38
31	23	---	8.0	4.0	---	17	---	685	---	12	18	---
TOTAL	827	443.0	308.1	183.5	182.4	394.9	1261	8650	10347	953	657	1383
MEAN	26.7	14.8	9.94	5.92	6.51	12.7	42.0	279	345	30.7	21.2	46.1
AC-FT	1640	879	611	364	362	783	2500	17160	20520	1890	1300	2740
MAX	32	23	13	7.2	8.0	18	102	685	722	73	41	113
MIN	19	8.0	7.0	4.0	4.0	7.5	16	50	85	11	11	19
CAL YR 1993 TOTAL		40214.4	MEAN	110	MAX	842	MIN	6.0	AC-FT	79770		
WTR YR 1994 TOTAL		25589.9	MEAN	70.1	MAX	722	MIN	4.0	AC-FT	50760		

MAX DISCH 966 CFS AT 2115 03-JUN-1994 GH 3.62 FT. SHIFT -0.06 FT. MAX GH 3.62 FT. AT 2115 03-JUN-1994



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 mi<sup>2</sup>.

GAGE.--Water-stage recorder with satellite telemetry and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--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 Frank J. Kugel and Scott D. Brinton.

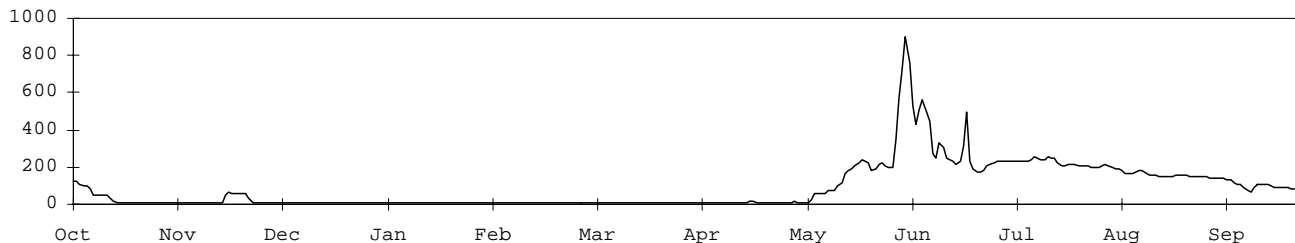
RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	12	11	11	11	12	11	12	349	232	207	145
2	120	12	11	11	11	12	11	13	568	232	211	144
3	108	12	11	11	11	12	11	12	727	231	206	144
4	100	12	11	11	11	12	11	12	902	232	200	144
5	100	12	11	11	11	12	11	12	764	233	191	144
6	85	12	11	11	11	12	11	12	529	233	190	141
7	49	12	11	11	11	12	11	22	426	233	182	136
8	50	11	11	11	11	12	11	60	504	232	168	129
9	51	11	11	11	11	12	11	60	558	232	167	114
10	51	11	11	11	11	11	11	60	497	232	166	106
11	46	11	11	11	11	11	11	59	446	243	177	106
12	36	9.6	11	11	11	11	11	72	276	256	182	92
13	19	11	11	11	11	11	11	78	244	250	179	78
14	12	11	11	11	11	11	11	78	331	237	167	65
15	12	46	11	11	11	11	11	96	307	239	161	88
16	12	62	11	11	11	11	11	119	251	253	159	105
17	12	60	11	11	11	11	11	165	238	252	159	108
18	12	60	11	11	11	11	12	179	234	252	150	108
19	12	60	11	11	11	11	13	189	219	226	146	105
20	12	60	11	11	11	11	13	207	232	204	146	97
21	12	60	11	11	11	11	12	225	317	204	146	88
22	12	32	11	11	11	11	12	238	497	213	146	88
23	12	11	11	11	11	11	12	231	228	218	156	88
24	12	11	11	11	11	11	12	223	188	214	161	88
25	12	11	11	9.5	11	11	12	183	177	206	161	88
26	12	11	11	6.6	12	11	12	189	177	205	156	84
27	12	11	11	6.6	12	11	12	217	183	205	148	80
28	12	11	11	8.6	12	11	12	220	205	205	148	80
29	12	11	11	11	---	11	12	208	212	201	146	86
30	12	11	11	11	---	11	12	196	225	199	146	101
31	12	---	11	11	---	11	---	196	---	199	146	---
TOTAL	1151	687.6	341	328.3	311	350	345	3843	11011	7003	5174	3170
MEAN	37.1	22.9	11.0	10.6	11.1	11.3	11.5	124	367	226	167	106
AC-FT	2280	1360	676	651	617	694	684	7620	21840	13890	10260	6290
MAX	120	62	11	11	12	12	13	238	902	256	211	145
MIN	12	9.6	11	6.6	11	11	11	12	177	199	146	65

CAL YR 1993 TOTAL 42969.7 MEAN 118 MAX 939 MIN 8.0 AC-FT 85230  
WTR YR 1994 TOTAL 33714.9 MEAN 92.4 MAX 902 MIN 6.6 AC-FT 66870

MAX DISCH 955 CFS AT 1600 04-JUN-1994 GH 5.02 FT. SHIFT -0.05 FT. MAX GH 5.02 FT. AT 1600 04-JUN-1994



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 mi<sup>2</sup>.

GAGE.--Water-stage recorder. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

REMARKS.--Estimated daily discharge: Nov. 19-20, 24-28; Dec. 2, 4, 6, 13, 1993; Feb. 12-15; Mar. 28, 30, 1994 when the stage was ice affected; Dec. 14, 1993-Jan. 4, 1994 when the float was frozen in ice in the well; Jan. 5-Feb. 11, 1994 when the recorder was removed for repair; Feb. 16-Mar. 14, 1994 when ice in the well limited movement of the float. Records good except for estimated daily discharges which are poor. Diversions for Mineral Point transmountain diversion upstream of gage. Station maintained by David A. Nelson and records developed by David A. Nelson and Scott D. Brinton.

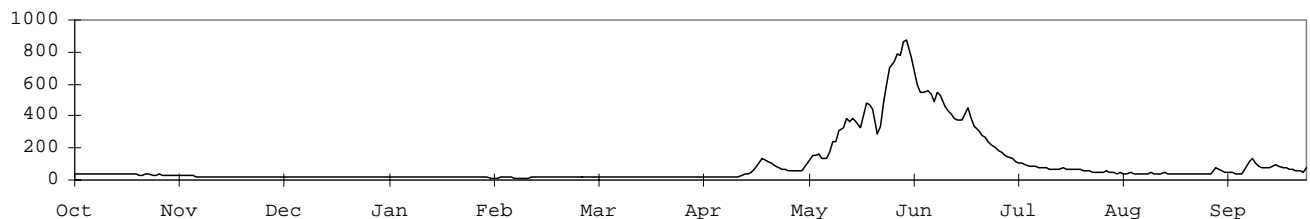
RATING TABLE.--ANIHOWCO08 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	26	21	17	13	16	18	57	784	182	50	35
2	42	26	20	17	14	16	18	57	776	172	54	36
3	41	26	21	17	14	17	19	59	862	154	47	76
4	40	25	20	17	15	17	19	61	879	144	45	66
5	40	25	20	17	15	17	19	84	768	132	43	56
6	39	24	20	17	15	17	19	122	681	120	46	50
7	42	23	20	16	15	17	19	158	592	109	42	47
8	42	23	20	16	14	17	18	150	552	102	42	44
9	42	23	20	16	14	17	18	164	552	96	47	42
10	43	23	20	16	14	16	18	136	558	91	43	40
11	41	24	19	16	14	17	18	130	538	88	42	39
12	43	23	19	16	14	17	18	174	495	85	41	63
13	41	24	18	16	15	17	19	238	552	78	39	117
14	40	23	18	16	15	17	21	238	525	74	43	132
15	40	23	18	16	15	17	22	303	465	74	46	104
16	40	23	18	16	15	18	28	325	435	70	40	88
17	41	23	17	16	15	18	36	381	417	67	39	81
18	40	23	17	16	16	18	42	369	387	66	39	77
19	35	23	16	16	16	18	52	381	375	70	45	74
20	33	23	16	16	15	18	70	363	375	75	43	90
21	33	24	16	16	15	18	102	325	417	68	42	93
22	34	24	16	16	15	18	138	405	453	66	41	85
23	34	23	16	16	15	18	126	477	387	63	37	79
24	33	23	16	16	15	18	113	471	340	64	37	73
25	33	23	16	16	15	18	102	447	310	64	36	68
26	34	23	17	16	16	18	88	292	282	60	35	64
27	27	23	17	16	16	18	77	335	265	56	34	59
28	29	22	17	15	16	17	67	483	241	54	37	55
29	28	22	17	15	---	17	63	592	219	51	39	52
30	26	21	17	15	---	17	57	704	200	50	35	74
31	27	---	17	15	---	18	---	743	---	48	34	---
TOTAL	1145	704	560	498	416	537	1444	9224	14682	2693	1283	2059
MEAN	36.9	23.5	18.1	16.1	14.9	17.3	48.1	298	489	86.9	41.4	68.6
AC-FT	2270	1400	1110	988	825	1070	2860	18300	29120	5340	2540	4080
MAX	43	26	21	17	16	18	138	743	879	182	54	132
MIN	26	21	16	15	13	16	18	57	200	48	34	35

CAL YR 1993 TOTAL 45638 MEAN 125 MAX 839 MIN 14 AC-FT 90520  
WTR YR 1994 TOTAL 35245 MEAN 96.6 MAX 879 MIN 13 AC-FT 69910

MAX DISCH 1308 CFS AT 2145 03-JUN-1994 GH 3.58 FT. SHIFT 0.00 FT. MAX GH 3.58 FT. AT 2145 03-JUN-1994



SAN JUAN RIVER BASIN

LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS, CO

LOCATION.--Lat 37°19'26", long 108°03'41", in SE¼NW¼ sec. 3, T.35 N., R.11 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a shelter and well at a 5 foot Parshall flume.

REMARKS.--Record good. Station maintained by J. Russell Kennedy and Mathew A. Schmitt. Records developed by Scott D. Brinton.

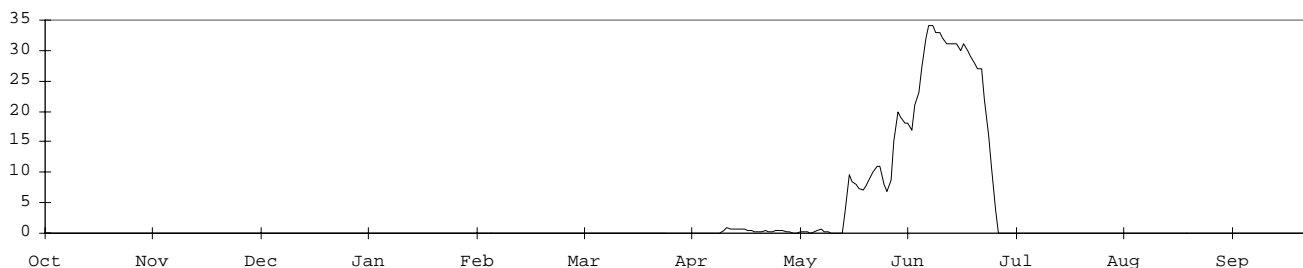
RATING TABLE.--LPCDITCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	0.35	8.6	3.8	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	15	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	20	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	19	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	18	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	17	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	21	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	23	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	27	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.46	32	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	34	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	34	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.14	33	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.87	0.0	33	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.64	0.0	32	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.72	0.0	31	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0	31	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.80	3.4	31	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.69	9.6	31	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.57	8.4	30	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.41	8.1	31	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.34	7.3	30	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.34	7.2	29	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.32	7.8	28	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.38	9.2	27	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.31	10	27	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.34	11	22	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.42	11	16	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.40	8.0	11	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	6.8	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	8.81	110.86	759.6	3.8	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.29	3.58	25.3	0.12	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	17	220	1510	7.5	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.87	11	34	3.8	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0

CAL YR 1993 TOTAL 1283.78 MEAN 3.52 MAX 33 MIN 0.00 AC-FT 2550  
WTR YR 1994 TOTAL 883.07 MEAN 2.42 MAX 34 MIN 0.00 AC-FT 1750

MAX DISCH 35 CFS AT 2145 11-JUN-1994 GH 1.42 FT. SHIFT 0.00 FT. MAX GH 1.42 FT. AT 2145 11-JUN-1994



SAN JUAN RIVER BASIN

PINE RIDGE DITCH NEAR HESPERUS, CO

LOCATION.--Lat 37°17'31", long 108°02'07", in SW¼NE¼ sec. 14, T.35 N., R.11 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a shelter and well at a 3 foot Parshall flume.

REMARKS.--Record good. Station maintained by J. Russell Kennedy and Mathew A. Schmitt. Records developed by Scott D. Brinton.

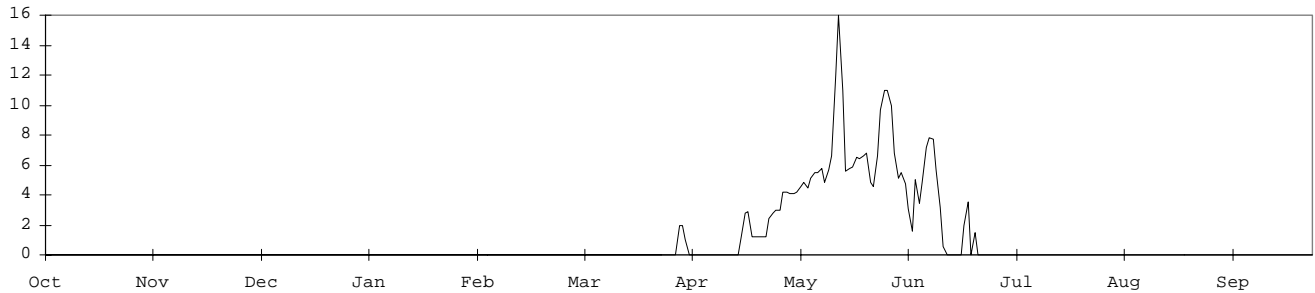
RATING TABLE.--PINDITCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
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	2.0	4.2	10	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.2	6.8	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.1	5.1	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	5.5	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.7	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	3.1	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	1.6	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	5.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	3.4	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	4.8	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	7.2	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	7.8	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	7.7	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	5.7	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	3.2	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.55	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.02	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.6	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	2.8	5.8	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.9	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	1.2	6.5	2.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	1.2	6.4	3.5	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	1.2	6.6	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	1.2	6.8	1.5	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	1.2	4.8	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.6	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	2.8	6.6	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	3.0	9.7	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	3.0	11	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	11	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	29.0	204.0	89.17	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.97	6.58	2.97	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	58	405	177	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	3.0	16	10	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0

CAL YR 1993 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1994 TOTAL 322.17 MEAN 0.88 MAX 16 MIN 0.00 AC-FT 639

MAX DISCH 19 CFS AT 0015 18-MAY-1994 GH 1.33 FT. SHIFT 0.00 FT. MAX GH 1.33 FT. AT 0015 18-MAY-1994



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.**--37 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is 8,104.71 ft above National Geodetic Vertical Datum of 1929. DCP is the primary record.

**REMARKS.**--La Plata River and Cherry Creek ditch and Pine Ridge ditch export water upstream from station for irrigation of up to 2000 acres in the Cherry Creek drainage and 300 acres in the Lightner and Basin Creek drainages. Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Nov. 16-21, 25-28; Dec. 2-30, 1993; Jan. 13-31; Feb. 1-6, 10, 12-16, 23-25; Mar. 1-10, 28, 1994. Floats frozen in well Dec. 31, 1993-Jan. 12, 1994. Record good except for the winter period and period of no gage height, which is poor. Station maintained and records developed by Scott D. Brinton.

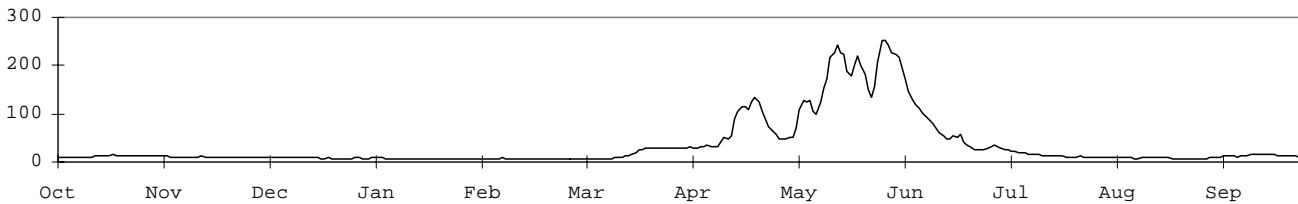
**RATING TABLE.**--LAPHESCO32 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	9.0	8.0	5.0	6.0	29	48	242	32	9.9	7.8
2	11	12	9.0	8.0	5.0	6.0	29	47	227	35	9.1	7.7
3	11	11	9.0	8.0	6.0	6.5	30	50	224	32	8.8	10
4	10	11	8.5	8.0	7.0	6.9	31	52	217	29	8.6	8.3
5	9.9	11	9.0	6.5	7.5	7.2	30	70	196	27	8.5	8.0
6	9.7	11	9.0	6.0	7.0	7.2	30	108	172	25	8.0	10
7	11	11	9.0	6.0	7.1	7.3	32	129	146	23	8.0	12
8	11	10	8.5	6.5	8.8	7.4	32	123	127	21	8.1	12
9	11	10	9.0	6.5	6.9	7.2	34	127	119	20	8.2	12
10	11	10	9.0	6.5	7.0	7.0	33	105	111	19	9.4	12
11	11	11	9.0	6.0	6.1	7.0	31	98	102	18	8.2	11
12	12	12	9.0	6.0	6.0	7.6	33	125	92	17	7.8	14
13	12	11	8.5	6.0	5.5	8.5	41	152	87	16	7.6	13
14	12	11	8.0	6.0	5.5	9.7	50	173	81	15	8.0	13
15	13	10	9.0	6.0	5.5	11	48	216	70	15	10	16
16	13	9.0	9.0	5.5	5.5	12	55	227	61	14	9.4	17
17	15	9.0	7.0	5.5	5.8	14	90	242	54	13	8.7	17
18	14	9.0	7.5	5.5	6.1	16	106	228	49	13	8.4	17
19	13	9.0	8.0	6.0	5.9	18	115	222	49	13	10	16
20	13	9.0	7.0	6.0	6.2	25	116	189	53	13	9.4	16
21	13	9.0	7.0	6.0	5.6	26	109	178	52	13	8.7	15
22	13	9.0	7.0	6.0	5.7	28	125	201	56	12	8.1	15
23	13	9.8	7.5	6.0	5.5	30	135	220	42	11	7.5	14
24	13	10	7.0	6.0	5.5	30	124	201	35	11	7.4	14
25	14	8.0	7.0	6.0	5.5	30	105	181	31	11	7.6	13
26	14	8.0	7.5	6.0	5.8	30	88	150	27	11	7.3	12
27	14	8.5	8.0	6.0	5.8	30	73	135	24	12	7.1	12
28	14	9.0	8.0	6.0	5.9	28	64	156	24	11	7.2	12
29	14	9.2	7.0	5.5	---	28	57	208	26	10	7.0	11
30	13	9.0	7.0	5.5	---	28	48	252	28	10	7.1	13
31	13	---	7.5	5.0	---	28	---	252	---	10	7.3	---
TOTAL	382.6	298.5	251.5	192.5	170.7	513.5	1923	4865	2824	532	256.4	380.8
MEAN	12.3	9.95	8.11	6.21	6.10	16.6	64.1	157	94.1	17.2	8.27	12.7
AC-FT	759	592	499	382	339	1020	3810	9650	5600	1060	509	755
MAX	15	12	9.0	8.0	8.8	30	135	252	242	35	10	17
MIN	9.7	8.0	7.0	5.0	5.0	6.0	29	47	24	10	7.0	7.7

CAL YR 1993 TOTAL 24345.8 MEAN 66.7 MAX 541 MIN 4.0 AC-FT 48290  
WTR YR 1994 TOTAL 12590.5 MEAN 34.5 MAX 252 MIN 5.0 AC-FT 24970

MAX DISCH 299 CFS AT 0000 31-MAY-1994 GH 3.42 FT. SHIFT 0.00 FT. MAX GH 3.45 FT. AT 1445 13-FEB-1994





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 mi<sup>2</sup>.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 6,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

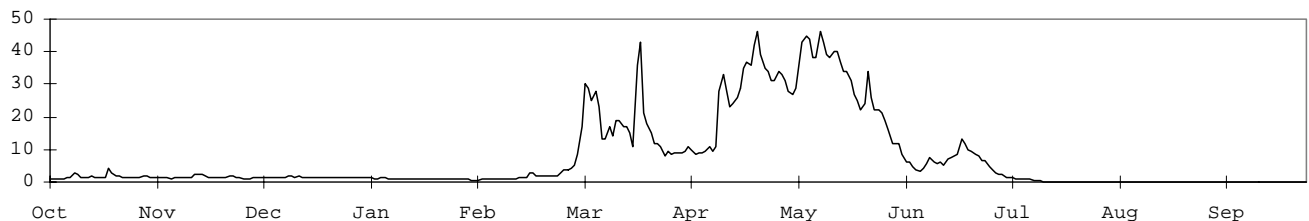
REMARKS.--Estimated daily discharge: Nov. 6-10, 18-21, 24-25, 27-30; Dec. 2-7, 14, 17-31, 1993; Jan. 1-Mar. 2, 1994 when the stage was ice affected; Jul. 18-Aug. 26, 1994 when the river and well were both dry and the floats were in the mud in the well. Records fair except for estimated daily discharges which are poor. Diversion for irrigation of up to 380 acres upstream of gage and for 2100 acres of irrigation with water imported from the La Plata River via the La Plata and Cherry Creek Ditch. Station maintained and records developed by J. Russell Kennedy and Scott D. Brinton.

RATING TABLE.--CHEREDCO02 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.3	1.4	1.2	0.60	4.3	9.1	33	16	3.6	0.0	0.0
2	1.1	1.2	1.2	1.2	0.60	5.0	9.0	31	12	3.0	0.0	0.0
3	1.1	1.2	1.2	1.0	0.80	8.5	9.6	28	12	2.5	0.0	0.0
4	1.0	1.2	1.4	1.0	1.0	17	11	27	12	2.2	0.0	0.0
5	1.1	1.1	1.4	1.2	0.80	30	9.8	29	8.5	1.6	0.0	0.0
6	1.2	1.2	1.6	1.2	0.80	29	8.7	36	6.2	1.2	0.0	0.0
7	1.5	1.2	1.6	1.0	0.80	25	8.9	43	5.9	1.2	0.0	0.0
8	2.6	1.2	1.6	1.0	1.0	28	8.9	45	4.6	1.1	0.0	0.0
9	2.2	1.2	1.7	1.0	1.0	23	9.6	44	3.7	1.0	0.0	0.0
10	1.5	1.2	1.8	1.0	1.0	13	11	38	3.5	1.0	0.0	0.0
11	1.3	1.4	1.6	1.0	1.0	13	9.6	38	4.4	1.0	0.0	0.0
12	1.6	2.3	1.8	1.0	1.0	17	11	46	5.7	0.90	0.0	0.0
13	1.8	2.3	1.3	1.0	1.0	14	28	43	7.7	0.60	0.0	0.0
14	1.5	2.2	1.4	1.0	1.2	19	33	39	6.1	0.52	0.0	0.0
15	1.3	1.7	1.4	1.0	1.4	19	28	38	5.8	0.44	0.0	0.0
16	1.2	1.5	1.3	1.0	1.4	17	23	40	6.0	0.14	0.0	0.0
17	1.6	1.4	1.2	1.0	3.0	17	24	40	5.4	0.08	0.0	0.0
18	4.2	1.4	1.4	0.80	3.0	15	26	37	7.1	0.0	0.0	0.0
19	3.0	1.4	1.4	0.80	2.0	11	29	34	7.6	0.0	0.0	0.0
20	2.1	1.2	1.6	0.80	2.0	36	35	34	8.1	0.0	0.0	0.0
21	1.9	1.2	1.4	0.80	2.0	43	37	31	8.3	0.0	0.0	0.0
22	1.6	1.8	1.2	0.80	2.0	21	36	27	13	0.0	0.0	0.0
23	1.6	1.7	1.4	0.80	2.0	18	42	25	12	0.0	0.0	0.0
24	1.6	1.6	1.2	0.80	2.0	15	46	22	10	0.0	0.0	0.0
25	1.6	1.4	1.2	0.80	2.0	12	39	24	9.2	0.0	0.0	0.0
26	1.6	1.1	1.2	0.80	3.0	12	35	34	8.5	0.0	0.0	0.0
27	1.6	1.0	1.4	0.80	4.0	11	34	26	8.0	0.0	0.0	0.0
28	1.7	1.0	1.4	0.80	4.0	8.1	31	22	6.6	0.0	0.0	0.0
29	1.8	1.2	1.4	0.80	---	9.5	31	22	6.4	0.0	0.0	0.0
30	1.4	1.2	1.4	0.80	---	8.3	34	21	4.7	0.0	0.0	0.0
31	1.3	---	1.4	0.60	---	8.8	---	19	---	0.0	0.0	---
TOTAL	51.7	42.0	43.9	28.80	46.40	527.5	707.2	1016	235.0	22.08	0.0	0.0
MEAN	1.67	1.40	1.42	0.93	1.66	17.0	23.6	32.8	7.83	0.71	0.0	0.0
AC-FT	103	83	87	57	92	1050	1400	2020	466	44	0.0	0.0
MAX	4.2	2.3	1.8	1.2	4.0	43	46	46	16	3.6	0.0	0.0
MIN	1.0	1.0	1.2	0.60	0.60	4.3	8.7	19	3.5	0.0	0.0	0.0
CAL YR 1993 TOTAL	9112.9		MEAN	25.0	MAX	158	MIN	1.0	AC-FT	18080		
WTR YR 1994 TOTAL	2720.58		MEAN	7.45	MAX	46	MIN	0.00	AC-FT	5400		

MAX DISCH 85 CFS AT 0215 21-MAR-1994 GH 2.41 FT. SHIFT 0.16 FT. MAX GH 2.41 FT. AT 0215 21-MAR-1994



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 mi<sup>2</sup>.

GAGE.--Water-stage recorder with satellite telemetry and a three foot Parshall flume. Datum of gauge is 6,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Nov. 25-28; Dec. 7, 14, 17, 20-22, 24-26, 1993; Jan. 7-15, 17, 19-23, 31; Feb. 1-2, 13, 1994, when the stage was ice affected; Jan. 18; Feb. 3, 1994 when the float was frozen in ice in the well. Records good except for estimated daily discharges which are poor. Diversion for irrigation of up to 85 acres upstream of gage. Station maintained and records developed by J. Russell Kennedy and Scott D. Brinton.

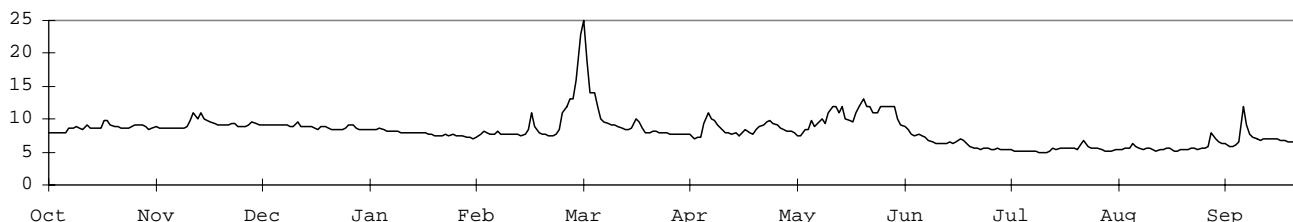
RATING TABLE.--LONREDCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	8.8	9.2	8.3	7.0	13	7.7	8.7	12	5.4	5.5	5.7
2	7.9	8.7	9.1	8.3	7.2	13	7.7	8.3	12	5.4	5.3	5.8
3	8.0	8.6	9.0	8.3	7.6	16	7.7	8.1	12	5.5	5.2	8.0
4	7.9	8.7	9.0	8.4	8.1	23	7.6	8.1	10	5.4	5.2	7.1
5	7.9	8.7	9.0	8.6	8.0	25	7.6	8.0	9.2	5.3	5.1	6.6
6	8.0	8.7	9.0	8.5	7.6	19	7.1	7.5	8.9	5.3	5.3	6.4
7	8.7	8.7	9.0	8.2	7.6	14	7.2	7.4	8.3	5.3	5.3	6.2
8	8.7	8.7	9.0	8.2	8.2	14	7.2	8.5	7.8	5.2	5.3	5.9
9	8.9	8.7	9.0	8.2	7.7	12	9.3	8.4	7.5	5.2	5.6	5.8
10	8.6	8.8	8.9	8.2	7.6	10	11	9.9	7.6	5.2	5.6	6.0
11	8.4	9.8	8.9	8.0	7.7	9.5	10	8.8	7.5	5.2	6.2	6.5
12	9.1	11	9.5	8.0	7.6	9.4	9.7	9.5	7.2	5.1	5.8	12
13	8.7	10	8.9	8.0	7.6	9.2	9.1	10	6.8	5.1	5.5	9.2
14	8.7	11	8.8	8.0	7.7	9.0	8.4	9.3	6.6	5.1	5.3	7.8
15	8.6	10	8.8	8.0	7.5	8.8	8.0	11	6.4	4.9	5.5	7.2
16	8.6	9.7	8.8	8.0	7.7	8.6	7.9	12	6.3	4.8	5.5	6.9
17	9.7	9.5	8.6	8.0	8.4	8.5	7.8	12	6.2	4.8	5.4	6.7
18	9.8	9.3	8.5	8.0	11	8.5	7.9	11	6.3	5.2	5.2	6.9
19	9.1	9.1	8.9	7.6	8.9	8.7	7.5	12	6.5	5.5	5.4	7.1
20	8.8	9.1	8.8	7.6	8.0	10	7.9	10	6.4	5.3	5.3	7.0
21	8.8	9.1	8.6	7.4	7.8	9.6	8.3	9.7	6.5	5.5	5.5	7.0
22	8.7	9.2	8.4	7.4	7.7	8.6	8.0	9.5	7.0	5.7	5.5	6.9
23	8.7	9.3	8.3	7.4	7.5	8.0	7.7	11	6.7	5.6	5.2	6.8
24	8.7	9.3	8.4	7.6	7.5	8.0	8.3	12	6.2	5.5	5.2	6.7
25	8.8	8.8	8.4	7.5	7.8	8.1	8.9	13	5.8	5.5	5.4	6.6
26	9.0	8.8	8.6	7.7	8.5	8.1	9.1	12	5.7	5.3	5.4	6.6
27	9.0	8.8	9.1	7.5	11	7.9	9.5	12	5.5	6.1	5.4	6.6
28	9.0	9.0	9.2	7.5	12	7.9	9.7	11	5.4	6.7	5.6	6.6
29	8.8	9.5	8.6	7.5	---	7.9	9.3	11	5.6	5.8	5.6	6.6
30	8.5	9.4	8.4	7.3	---	7.8	9.0	12	5.5	5.7	5.4	8.0
31	8.7	---	8.4	7.2	---	7.6	---	12	---	5.7	5.5	---
TOTAL	268.8	276.8	273.1	244.4	228.5	338.7	252.1	313.7	221.4	167.3	168.2	209.2
MEAN	8.67	9.23	8.81	7.88	8.16	10.9	8.40	10.1	7.38	5.40	5.43	6.97
AC-FT	533	549	542	485	453	672	500	622	439	332	334	415
MAX	9.8	11	9.5	8.6	12	25	11	13	12	6.7	6.2	12
MIN	7.9	8.6	8.3	7.2	7.0	7.6	7.1	7.4	5.4	4.8	5.1	5.7

CAL YR 1993 TOTAL 4187.3 MEAN 11.5 MAX 72 MIN 4.6 AC-FT 8310  
WTR YR 1994 TOTAL 2962.2 MEAN 8.12 MAX 25 MIN 4.8 AC-FT 5880

MAX DISCH 51 CFS AT 0130 05-MAR-1994 GH 2.09 FT. SHIFT 0.00 FT. MAX GH 2.09 FT. AT 0130 05-MAR-1994



SAN JUAN RIVER BASIN

PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE

LOCATION.--Lat 36°59'58", long 108°11'09", in NW¼SE¼ sec. 10, T.32 N., R.13 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a shelter and well at a 1 foot Parshall flume.

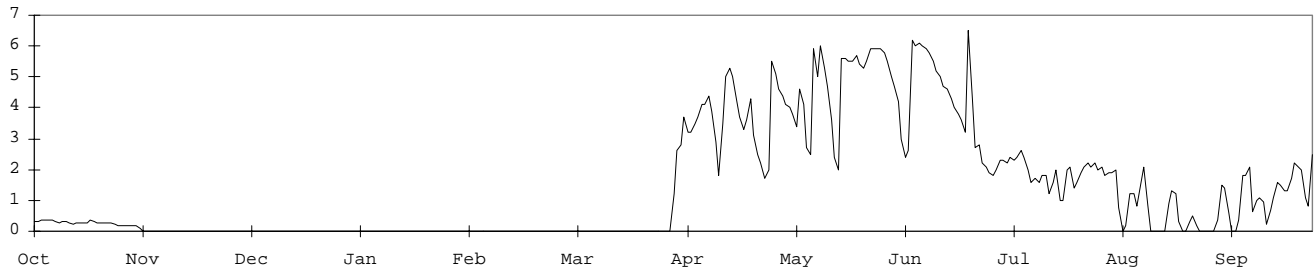
REMARKS.--Record good. Station maintained by J. Russell Kennedy and Mathew A. Schmitt. Records developed by Scott D. Brinton.

RATING TABLE.--PIODITCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.32	0.0	0.0	0.0	0.0	0.0	1.2	4.6	5.5	1.8	2.1	0.0
2	0.33	0.0	0.0	0.0	0.0	0.0	2.6	4.4	5.0	2.0	1.8	0.0
3	0.35	0.0	0.0	0.0	0.0	0.0	2.8	4.1	4.7	2.3	1.9	0.35
4	0.35	0.0	0.0	0.0	0.0	0.0	3.7	4.0	4.2	2.3	1.9	1.5
5	0.35	0.0	0.0	0.0	0.0	0.0	3.2	3.8	3.0	2.2	2.0	1.4
6	0.34	0.0	0.0	0.0	0.0	0.0	3.2	3.4	2.4	2.4	0.78	0.59
7	0.30	0.0	0.0	0.0	0.0	0.0	3.5	4.6	2.6	2.3	0.0	0.0
8	0.25	0.0	0.0	0.0	0.0	0.0	3.7	4.1	6.2	2.4	0.18	0.0
9	0.31	0.0	0.0	0.0	0.0	0.0	4.1	2.7	6.0	2.6	1.2	0.38
10	0.32	0.0	0.0	0.0	0.0	0.0	4.1	2.5	6.1	2.4	1.2	1.8
11	0.29	0.0	0.0	0.0	0.0	0.0	4.4	5.9	6.0	2.0	0.81	1.8
12	0.24	0.0	0.0	0.0	0.0	0.0	3.9	5.0	5.9	1.6	1.6	2.1
13	0.25	0.0	0.0	0.0	0.0	0.0	2.9	6.0	5.8	1.7	2.1	0.65
14	0.28	0.0	0.0	0.0	0.0	0.0	1.8	5.3	5.5	1.6	0.83	0.99
15	0.29	0.0	0.0	0.0	0.0	0.0	3.5	4.7	5.2	1.8	0.0	1.1
16	0.28	0.0	0.0	0.0	0.0	0.0	5.0	3.6	5.0	1.8	0.0	0.97
17	0.36	0.0	0.0	0.0	0.0	0.0	5.3	2.4	4.7	1.2	0.0	0.22
18	0.32	0.0	0.0	0.0	0.0	0.0	5.0	2.0	4.6	1.6	0.0	0.70
19	0.26	0.0	0.0	0.0	0.0	0.0	4.2	5.6	4.3	2.0	0.0	1.1
20	0.26	0.0	0.0	0.0	0.0	0.0	3.7	5.6	4.0	0.98	0.89	1.6
21	0.29	0.0	0.0	0.0	0.0	0.0	3.3	5.5	3.8	1.0	1.3	1.5
22	0.29	0.0	0.0	0.0	0.0	0.0	3.6	5.5	3.6	2.0	1.2	1.3
23	0.28	0.0	0.0	0.0	0.0	0.0	4.3	5.7	3.2	2.1	0.31	1.3
24	0.24	0.0	0.0	0.0	0.0	0.0	3.1	5.4	6.5	1.4	0.0	1.7
25	0.18	0.0	0.0	0.0	0.0	0.0	2.5	5.3	4.3	1.6	0.0	2.2
26	0.18	0.0	0.0	0.0	0.0	0.0	2.2	5.5	2.7	1.9	0.30	2.1
27	0.18	0.0	0.0	0.0	0.0	0.0	1.7	5.9	2.8	2.1	0.50	2.0
28	0.18	0.0	0.0	0.0	0.0	0.0	2.0	5.9	2.2	2.2	0.16	1.1
29	0.18	0.0	0.0	0.0	---	0.0	5.5	5.9	2.1	2.1	0.0	0.81
30	0.18	0.0	0.0	0.0	---	0.0	5.1	5.9	1.9	2.2	0.0	2.5
31	0.10	---	0.0	0.0	---	0.0	---	5.8	---	2.0	0.0	---
TOTAL	8.34	0.0	0.0	0.0	0.0	0.0	105.1	146.6	129.8	59.58	23.07	33.75
MEAN	0.27	0.0	0.0	0.0	0.0	0.0	3.50	4.73	4.33	1.92	0.74	1.13
AC-FT	17	0.0	0.0	0.0	0.0	0.0	208	291	257	118	46	67
MAX	0.36	0.0	0.0	0.0	0.0	0.0	5.5	6.0	6.5	2.6	2.1	2.5
MIN	0.10	0.0	0.0	0.0	0.0	0.0	1.2	2.0	1.9	0.98	0.0	0.0
CAL YR 1993 TOTAL	389.38		MEAN	1.07	MAX	6.3	MIN	0.00	AC-FT	772		
WTR YR 1994 TOTAL	506.25		MEAN	1.39	MAX	6.5	MIN	0.00	AC-FT	1000		

MAX DISCH 8.3 CFS AT 1930 12-SEP-1994 GH 1.62 FT. SHIFT 0.00 FT. MAX GH 1.62 FT. AT 1930 12-SEP-1994



SAN JUAN RIVER BASIN

ENTERPRISE DITCH AT THE COLORADO-NEW MEXICO STATELINE

LOCATION.--Lat 37°00'50", long 108°11'18", in SW¼SE¼ sec. 3, T.32 N., R.13 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a shelter and well at a 2 foot Parshall flume.

REMARKS.--Record good. Station maintained by J. Russell Kennedy and Mathew A. Schmitt. Records developed by Scott D. Brinton.

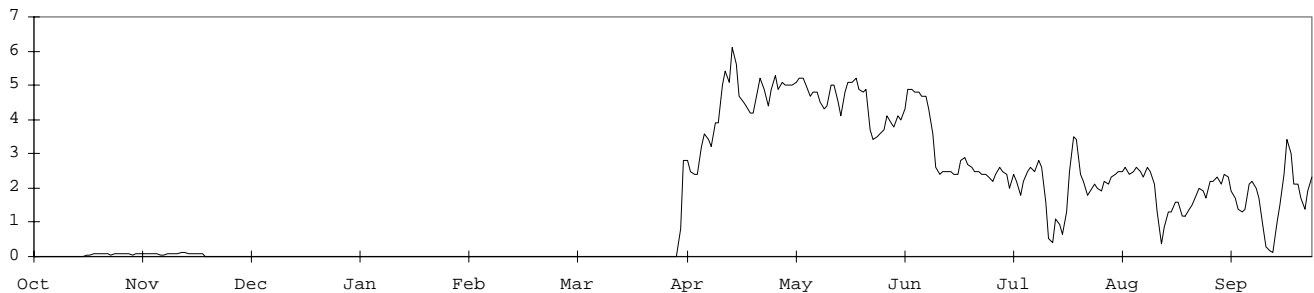
RATING TABLE.--ENTDITCO01 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.08	0.0	0.0	0.0	0.0	0.0	4.9	4.1	2.2	1.9	2.2
2	0.0	0.08	0.0	0.0	0.0	0.01	0.0	5.1	3.9	2.4	2.2	2.2
3	0.0	0.07	0.0	0.0	0.0	0.0	0.80	5.0	3.8	2.6	2.1	2.3
4	0.0	0.08	0.0	0.0	0.0	0.0	2.8	5.0	4.1	2.5	2.3	2.1
5	0.0	0.08	0.0	0.0	0.0	0.0	2.8	5.0	4.0	2.4	2.4	2.4
6	0.0	0.04	0.0	0.0	0.0	0.0	2.5	5.1	4.3	2.0	2.5	2.3
7	0.0	0.06	0.0	0.0	0.0	0.0	2.4	5.2	4.9	2.4	2.5	1.9
8	0.0	0.07	0.0	0.0	0.0	0.0	2.4	5.2	4.9	2.2	2.6	1.7
9	0.0	0.08	0.0	0.0	0.0	0.0	3.2	5.0	4.8	1.8	2.4	1.4
10	0.0	0.08	0.0	0.0	0.0	0.0	3.6	4.7	4.8	2.2	2.5	1.3
11	0.0	0.08	0.0	0.0	0.0	0.0	3.4	4.8	4.7	2.5	2.6	1.4
12	0.0	0.12	0.0	0.0	0.0	0.0	3.2	4.8	4.7	2.6	2.5	2.1
13	0.0	0.13	0.0	0.0	0.0	0.0	3.9	4.5	4.3	2.5	2.3	2.2
14	0.0	0.10	0.0	0.0	0.0	0.0	3.9	4.3	3.6	2.8	2.6	2.0
15	0.0	0.10	0.0	0.0	0.0	0.0	5.0	4.4	2.6	2.6	2.5	1.7
16	0.03	0.10	0.0	0.0	0.0	0.0	5.4	5.0	2.4	1.6	2.1	0.85
17	0.06	0.10	0.0	0.0	0.0	0.0	5.1	5.0	2.5	0.51	1.3	0.27
18	0.09	0.10	0.0	0.0	0.0	0.0	6.1	4.5	2.5	0.42	0.35	0.16
19	0.09	0.0	0.0	0.0	0.0	0.0	5.6	4.1	2.5	1.1	0.87	0.14
20	0.08	0.0	0.0	0.0	0.0	0.0	4.7	4.8	2.4	0.94	1.3	1.0
21	0.08	0.0	0.0	0.0	0.0	0.0	4.5	5.1	2.4	0.65	1.3	1.5
22	0.08	0.0	0.0	0.0	0.0	0.0	4.4	5.1	2.8	1.3	1.6	2.4
23	0.05	0.0	0.0	0.0	0.0	0.0	4.2	5.2	2.9	2.5	1.6	3.4
24	0.07	0.0	0.0	0.0	0.0	0.0	4.2	4.9	2.7	3.5	1.2	3.0
25	0.07	0.0	0.0	0.0	0.0	0.0	4.8	4.8	2.6	3.4	1.2	2.1
26	0.07	0.0	0.0	0.0	0.0	0.0	5.2	4.9	2.5	2.4	1.4	2.1
27	0.08	0.0	0.0	0.0	0.0	0.0	4.9	3.7	2.5	2.2	1.5	1.7
28	0.08	0.0	0.0	0.0	0.0	0.0	4.4	3.4	2.4	1.8	1.8	1.4
29	0.06	0.0	0.0	0.0	---	0.0	4.9	3.5	2.4	1.9	2.0	1.9
30	0.07	0.0	0.0	0.0	---	0.0	5.3	3.6	2.3	2.1	1.9	2.3
31	0.07	---	0.0	0.0	---	0.0	---	3.7	---	2.0	1.7	---
TOTAL	1.14	1.55	0.0	0.0	0.0	0.01	113.60	144.3	101.3	64.02	59.02	53.42
MEAN	0.04	0.05	0.0	0.0	0.0	0.00	3.79	4.65	3.38	2.07	1.90	1.78
AC-FT	2.3	3.1	0.0	0.0	0.0	0.01	225	286	201	127	117	106
MAX	0.09	0.13	0.0	0.0	0.0	0.01	6.1	5.2	4.9	3.5	2.6	3.4
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	2.3	0.42	0.35	0.14

CAL YR 1993 TOTAL 518.91 MEAN 1.42 MAX 7.1 MIN 0.00 AC-FT 1030  
WTR YR 1994 TOTAL 538.36 MEAN 1.47 MAX 6.1 MIN 0.00 AC-FT 1070

MAX DISCH 6.3 CFS AT 1230 18-APR-1994 GH 0.86 FT. SHIFT 0.00 FT. MAX GH 0.86 FT. AT 1230 18-APR-1994



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.**--331 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in a timber shelter and well. The DCP is the primary record. Datum of gage is 5,975.15 ft above National Geodetic Vertical Datum of 1929.

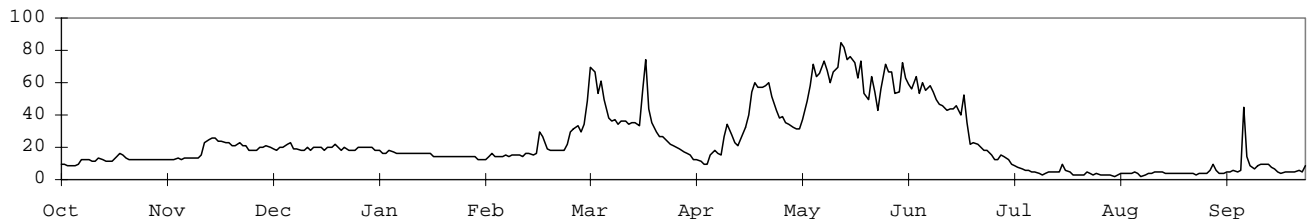
**REMARKS.**--Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Nov. 25-29; Dec. 13-28, 30-31, 1993; Jan. 1-4, 7-23, 30-31; Feb. 1-3, 13-14, 1994. Record good except for the winter period which is poor. Station maintained and records developed by J. Russell Kennedy and Scott D. Brinton.

**RATING TABLE.**--LAPMEXCO27 USED FROM 01-OCT-1993 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	12	20	18	12	33	17	35	67	12	3.2	3.8
2	9.2	12	19	18	12	30	16	34	53	12	2.8	5.3
3	9.0	12	18	16	14	34	15	32	54	15	2.8	10
4	8.9	13	20	16	16	49	12	31	72	14	2.6	5.7
5	9.0	12	20	18	14	70	12	31	63	12	2.2	3.4
6	9.6	13	22	17	14	67	11	37	59	10	3.2	3.6
7	12	13	23	16	14	53	10	49	56	8.5	3.8	4.5
8	12	13	19	16	15	61	10	58	64	7.6	3.8	5.1
9	12	13	19	16	14	50	15	71	53	6.9	3.9	5.3
10	11	13	18	16	15	38	18	64	60	6.0	3.9	4.6
11	11	15	18	16	15	36	16	66	55	5.5	4.7	5.4
12	13	23	20	16	15	37	15	73	58	4.8	3.5	45
13	12	25	18	16	14	34	27	68	54	4.3	2.2	14
14	11	26	20	16	16	36	34	60	50	4.0	2.7	8.1
15	11	26	20	16	16	36	28	67	47	2.9	3.8	6.7
16	11	24	20	16	15	34	23	70	46	3.4	4.0	8.3
17	14	24	18	16	16	35	21	85	43	4.7	4.4	9.9
18	16	23	20	14	30	35	26	82	44	4.7	5.0	10
19	15	23	20	14	27	33	32	74	44	4.9	4.9	9.8
20	13	21	22	14	19	55	40	76	46	5.1	3.9	7.9
21	12	21	20	14	18	74	54	72	40	9.5	3.6	6.9
22	12	23	18	14	18	44	60	63	52	6.0	3.6	5.0
23	12	21	20	14	18	35	57	73	35	5.1	3.5	4.0
24	12	21	18	14	18	30	57	53	22	3.2	3.8	4.8
25	12	18	18	14	18	27	58	50	23	3.0	4.1	5.0
26	12	18	18	14	22	27	60	64	22	2.9	3.8	5.1
27	12	18	20	14	30	25	51	54	20	3.2	3.4	4.7
28	12	20	20	14	31	22	43	43	18	4.9	3.5	5.6
29	12	20	20	14	---	21	38	56	18	3.8	3.3	5.0
30	12	21	20	14	---	20	39	71	15	3.2	3.6	8.9
31	12	---	20	12	---	19	---	67	---	3.7	4.1	---
TOTAL	361.1	557	606	473	496	1200	915	1829	1353	196.8	111.6	231.4
MEAN	11.6	18.6	19.5	15.3	17.7	38.7	30.5	59.0	45.1	6.35	3.60	7.71
AC-FT	716	1100	1200	938	984	2380	1810	3630	2680	390	221	459
MAX	16	26	23	18	31	74	60	85	72	15	5.0	45
MIN	8.9	12	18	12	12	19	10	31	15	2.9	2.2	3.4
CAL YR 1993 TOTAL		27569.9	MEAN	75.5	MAX	432	MIN	3.5	AC-FT	54680		
WTR YR 1994 TOTAL		8329.9	MEAN	22.8	MAX	85	MIN	2.2	AC-FT	16520		

MAX DISCH 614 CFS AT 1830 12-SEP-1994 GH 5.63 FT. SHIFT 0.02 FT. MAX GH 5.63 FT. AT 1830 12-SEP-1994



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 mi<sup>2</sup>.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Nov. 7-14, 1993 when the stage was ice affected; Nov. 6, 15, 1993-Mar. 15, 1994 when the well was frozen; Oct. 4-7, 1993 when the landowner was modifying the stream channel near the gauge; Jul. 1, 4-12, 1994 when the floats were suspended in mud in the well. Records fair except for estimated daily discharges which are poor. Diversion for irrigation of up to 4010 acres upstream of gage and for Jackson Gulch Reservoir, capacity of 9948 acre-feet. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--MANMANCO07 USED FROM 01-OCT-1993 TO 31-DEC-1993

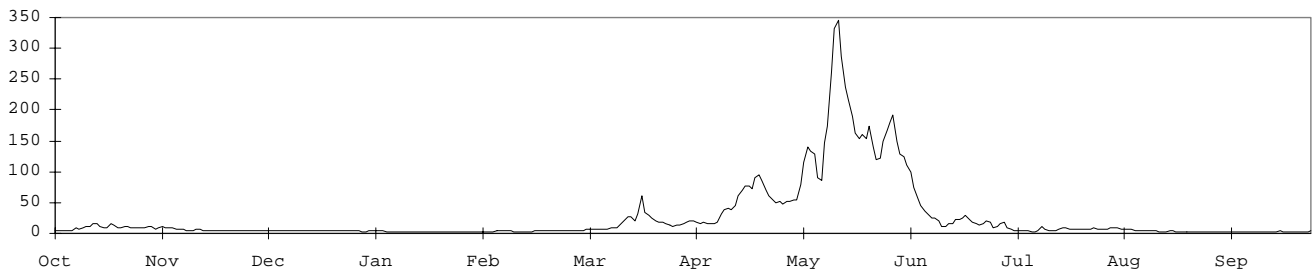
RATING TABLE.--MANMANCO12 USED FROM 01-JAN-1994 TO 30-SEP-1994

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	11	5.0	4.0	2.0	5.0	16	52	191	12	6.5	2.4
2	4.8	10	5.0	4.0	2.0	5.0	18	52	150	16	5.8	2.4
3	4.7	8.7	5.0	4.0	2.0	5.0	21	55	129	17	9.1	3.0
4	4.5	8.1	5.0	4.0	3.0	6.0	21	55	124	10	9.8	2.5
5	4.0	6.2	5.0	3.0	3.0	6.0	18	78	111	6.0	8.4	2.2
6	4.0	6.0	5.0	3.0	4.0	6.0	16	116	99	5.0	7.5	2.7
7	8.0	6.0	5.0	3.0	4.0	7.0	17	140	75	5.0	7.6	2.8
8	7.3	5.0	5.0	3.0	5.0	7.0	15	134	56	5.0	7.6	3.0
9	8.7	5.0	5.0	3.0	4.0	7.0	16	129	45	5.0	6.6	2.3
10	11	5.0	5.0	3.0	4.0	7.0	16	90	36	4.0	5.2	1.7
11	11	6.0	5.0	3.0	3.0	8.0	19	85	32	3.0	5.0	1.7
12	16	6.0	5.0	3.0	3.0	9.0	32	147	25	3.0	5.1	1.9
13	15	5.0	5.0	3.0	3.0	10	39	174	25	5.6	4.1	1.9
14	11	5.0	5.0	3.0	3.0	15	40	261	20	11	4.0	2.8
15	9.1	5.0	5.0	3.0	3.0	20	38	332	12	6.2	4.6	1.9
16	8.5	4.0	5.0	3.0	3.0	27	45	346	11	4.9	4.0	2.3
17	15	4.0	4.0	3.0	4.0	26	62	287	15	4.7	3.2	2.1
18	14	4.0	4.0	3.0	4.0	21	71	238	16	5.1	2.9	1.8
19	9.2	4.0	4.0	3.0	4.0	32	76	216	22	7.3	3.3	1.6
20	8.7	4.0	4.0	3.0	4.0	62	76	189	23	8.4	3.6	2.7
21	11	4.0	4.0	3.0	4.0	35	73	163	24	8.3	3.5	4.5
22	12	4.0	4.0	3.0	4.0	29	90	154	29	7.2	3.3	2.8
23	9.7	5.0	4.0	3.0	4.0	25	95	160	23	6.8	2.7	2.1
24	9.8	5.0	4.0	3.0	4.0	20	86	153	19	7.1	2.4	1.7
25	9.9	4.0	4.0	3.0	4.0	18	70	174	15	6.9	2.5	1.6
26	10	4.0	4.0	3.0	4.0	17	61	141	13	6.2	2.3	1.5
27	8.4	4.0	4.0	3.0	4.0	15	54	119	16	5.7	2.3	1.5
28	11	5.0	4.0	3.0	4.0	14	50	122	21	6.4	2.4	1.7
29	11	5.0	3.0	2.0	---	12	51	149	19	8.2	2.5	1.6
30	7.0	5.0	3.0	2.0	---	13	48	167	10	6.7	2.8	5.1
31	8.4	---	4.0	2.0	---	14	---	181	---	6.7	2.5	---
TOTAL	287.7	163.0	138.0	94.0	99.0	503.0	1350	4859	1406	220.4	143.1	69.8
MEAN	9.28	5.43	4.45	3.03	3.54	16.2	45.0	157	46.9	7.11	4.62	2.33
AC-FT	571	323	274	186	196	998	2680	9640	2790	437	284	138
MAX	16	11	5.0	4.0	5.0	62	95	346	191	17	9.8	5.1
MIN	4.0	4.0	3.0	2.0	2.0	5.0	15	52	10	3.0	2.3	1.5

CAL YR 1993 TOTAL 22620.3 MEAN 62.0 MAX 556 MIN 2.0 AC-FT 44870  
WTR YR 1994 TOTAL 9333.0 MEAN 25.6 MAX 346 MIN 1.5 AC-FT 18510

MAX DISCH 433 CFS AT 2130 16-MAY-1994 GH 3.01 FT. SHIFT -0.46 FT. MAX GH 3.01 FT. AT 2315 14-MAY-1994



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1994 Water Year Stream Flow Data  
on PC Compatible Diskettes

Mean daily flow values for gaging stations are available on a DOS compatible diskette with this report. Each station's data are in a file named by an eight-character station identification code, followed by the filename extension "H94". A list of the eight character codes follows. For example, the values for "Eureka Ditch" are in the file "EURDITCO.H94".

The files contain ASCII text information. There are two columns. The 1st column is the number of the day of the water year, and the second is that day's mean flow. October 1, 1993 is day number 1. September 30, 1994 is day 365.

Station Identification Codes  
for Data on Diskette

DIV I

CODE	NAME
ADATUNCO	ALVA B. ADAMS TUNNEL AT EAST PORTAL, NEAR ESTES PARK
APGTUNCO	AUGUST P. GUMBLICK TUNNEL NEAR JONES PASS, CO.
BCRMORCO	BEAR CREEK AT MORRISON, COLORADO
BCRSHECO	BEAR CREEK AT SHERIDAN, COLORADO
BCSCBCCO	BOULDER CK. SUPPLY CANAL TO BOULDER CK. NEAR BOULDER
BEAVERCO	BEAVER CREEK ABOVE BEAVER RESERVOIR
BERDITCO	BERTHOUD PASS DITCH AT BERTHOUD PASS, CO
BFCLHCCO	BOULDER FEEDER CANAL TO LEFTHAND CREEK
BFCLYOCO	BOULDER CREEK FEEDER CANAL NEAR LYONS, CO
BIGLASCO	BIG THOMPSON AT MOUTH, NEAR LA SALLE, CO, WELD COUNT
BOCBGRCO	SOUTH BOULDER CREEK BELOW GROSS RESERVOIR, BOULDER C
BOCELSCO	SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS, COLORADO
BOCMIDCO	MIDDLE BOULDER CREEK AT NEDERLAND, CO.
BOCOROCO	BOULDER CREEK NEAR ORODELL, CO, BOULDER COUNTY
BORDITCO	BOREAS PASS DITCH AT BOREAS PASS, CO
BOSDELCO	BOULDER CREEK, SOUTH DIVERSION NR ELDORADO SPRINGS,
BTABESCO	BIG THOMPSON RIVER ABOVE LAKE ESTES
BTBLESCO	BIG THOMPSON RIVER BELOW LAKE ESTES
BTCANYCO	BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE, C
BUCRMVCO	BUCKHORN CREEK NEAR MASONVILLE, CO
BTNFDRCO	NORTH FORK BIG THOMPSON RIVER AT DRAKE, CO.
CAPDCPCO	CAMERON PASS DITCH NEAR CAMERON PASS, CO.
CLAFTCCO	CACHE LA POUFRE AT CANYON MOUTH, NEAR FORT COLLINS
CLAGRECO	CACHE LA POUFRE NEAR GREELEY, COLORADO, WELD COUNTY
CLELAWCO	CLEAR CREEK NEAR LAWSON, CO
CLEDERCO	CLEAR CREEK AT DERBY, COLORADO
COCREPCO	COAL CREEK NEAR PLAINVIEW, CO
DEADDPCCO	DEADMAN DITCH NEAR DEADMAN PARK, CO.
DILTUNCO	DILLE TUNNEL NEAR DRAKE, CO.
DRYCRKCO	DRY CREEK TURNOUT NEAR NIWOT, CO
EURDITCO	EUREKA DITCH
FISHESCO	FISH CREEK NEAR ESTES PARK, CO.
GRNDRDCO	GRAND RIVER DITCH AT LA POUFRE PASS
HFCBBSCO	CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHO
HFCPPLCO	CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMP
HFCWASCO	CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON
HLDBBRCO	HALE DITCH BELOW BONNY RESERVOIR NEAR HALE, CO
HFCCRCO	HANSEN FDR CAN AT T.O. TO COTTONWOOD CR. NR NIWOT, CO
HSCCLPCO	HANSEN SUP CAN TO CACHE LA POUFRE R. NR FT. COLLINS
HSCPVDCCO	HANSEN SUP CAN TO POUFRE VAL. CAN NR. FT. COLLINS, CO
HSPTUNCO	HOOSIER PASS TUNNEL AT MONTGOMERY RES., NEAR ALMA, C
LAPTUNCO	LARAMIE POUFRE TUNNEL
LEFTHDCO	LEFTHAND DIVERSION AT ST. VRAIN CREEK NR WARD, CO
LTCANYCO	LITTLE THOMPSON RIVER AT CANYON MOUTH, NEAR BERTHOUD
MICDCPCO	MICHIGAN DITCH AT CAMERON PASS, CO.
MOFTUNCO	MOFFAT WATER TUNNEL, GILPIN COUNTY, COLORADO
MUNCANCO	MUNROE CANAL
OLYTUNCO	OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES
PIOHDGCO	PIONEER DITCH AT HEADGATE
PIOSTLCO	PIONEER DITCH AT CO/NE STATE LINE
PLAANTCO	SOUTH PLATTE RIVE BELOW ANTERO RESERVOIR
PLABALCO	SOUTH PLATTE RIVER AT COOPER BRIDGE, NEAR BALZAC, CO
PLACHACO	SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR
PLACHECO	SO. PLATTE RIVER BL. CHEESMAN RESERVOIR, COLORADO
PLADENCO	SO. PLATTE RIVER AT DENVER, COLORADO
PLAGEOCO	SOUTH PLATTE RIVER NEAR LAKE GEORGE, CO
PLAGRACO	N.F. SOUTH PLATTE RIVER AT GRANT, CO
PLAHARCO	SOUTH PLATTE RIVER ABOVE ELEVENMILE RESERVOIR, NEAR
PLAHENCO	SOUTH PLATTE RIVER AT HENDERSON, CO.
PLAJUCCO	SOUTH PLATTE RIVER AT JULESBURG, COLORADO. COMBINED
PLAJULCO	SOUTH PLATTE RIVER AT JULESBURG, CO. LEFT CHAN. #4
PLAJURCO	SOUTH PLATTE RIVER AT JULESBURG, CO. RIGHT CHAN. #2
PLAKERCO	SOUTH PLATTE RIVER NEAR KERSEY, CO
PLALUPCO	SOUTH PLATTE RIVER AT FORT LUPTON
PLASPICO	SOUTH PLATTE RIVER ABOVE SPINNEY RESERVOIR

PLASPLCO	SO. PLATTE RIVER AT SO. PLATTE, COLORADO
PLASTRCO	S. PLATTE RIVER BELOW STRONTIA SPRINGS
PLAWATCO	SOUTH PLATTE RIVER AT WATERTON, CO.
PLAWELCO	SOUTH PLATTE RIVER NEAR WELDONA, CO.
ROBTUNCO	ROBERTS TUNNEL AT EAST PORTAL NEAR GRANT, CO
SKYDCLCO	SKYLINE DITCH AT CHAMBERS LAKE, CO.
SPSCFLCO	SO. PLATTE SUPPLY CANAL BE SAND LAKE NE FT. LUPTON, C
SSVWARCO	SOUTH ST. VRAIN NEAR WARD, CO
SVCLYOCO	SAINT VRAIN CREEK AT LYONS, BOULDER COUNTY, COLORADO
SVCLPLCO	ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE, CO
SVSLYOCO	ST. VRAIN SUPPLY CANAL NEAR LYONS, CO
SVSLT1CO	ST. VRAIN SUPPLY CANAL T.O. TO L. THOMPSON RIVER NO.1
SVSLT2CO	ST. VRAIN SUPPLY CANAL T.O. TO L. THOMPSON RIVER NO.2
SVSHERCO	ST. VRAIN SUPPLY CANAL TO HERTHA CREEK
VIDTUNCO	VIDLER TUNNEL NEAR ARGENTINE PASS, CO
WSDEARCO	WILSON SUPPLY DITCH NEAR EATON RESERVOIR, CO.

DIV II

CODE	NAME
APIFOWCO	APISHAPA RIVER NEAR FOWLER, CO
ARKCACCO	ARKANSAS RIVER AND CATLIN CANAL COMBINED
ARKCANCO	ARKANSAS RIVER AT CANYON CITY, CO.
ARKCATCO	ARKANSAS RIVER AT CATLIN DAM NEAR FOWLER, CO.
ARKGRNCO	ARKANSAS RIVER AT GRANITE, CO.
ARKLAJCO	ARKANSAS RIVER AT LA JUNTA, CO.
ARKNEPCO	ARKANSAS RIVER NEAR NEPESTA, CO.
ARKPORCO	ARKANSAS RIVER AT PORTLAND, CO.
ARKPUECO	ARKANSAS RIVER ABOVE PUEBLO, CO.
ARKSALCO	ARKANSAS RIVER AT SALIDA, CO.
ARKWELCO	ARKANSAS RIVER NEAR WELLSVILLE, CO.
BOUTUNCO	CHARLES H. BOUSTEAD TUNNEL, COLORADO
BUSTUNCO	BUSK-IVANHOE TUNNEL, COLORADO
CATCANCO	CATLIN CANAL AT CATLIN DAM, NEAR FOWLER, COLORADO
CCACCRCO	CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO.
CCBCCRCO	CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, CO.
CHCRNACO	CHALK CREEK AT NATHROP, CO
COLDITCO	COLUMBINE DITCH, COLORADO
COCRBVCO	COTTONWOOD CREEK NEAR BUENA VISTA
EWIDITCO	EWING DITCH, COLORADO
GRAWESCO	GRAPE CREEK NEAR WESTCLIFFE, CO
HOMTUNCO	HOMESTAKE TUNNEL
LAKATLCO	LAKE CREEK ABOVE TWIN LAKES RESERVOIR, CO
LAKBTLCO	LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO
LARDITCO	LARKSPUR DITCH AT MARSHALL PASS, COLORADO
LCBLSLCO	LAKE FORK CREEK BELOW SUGAR LOAF DAM NR. LEADVILLE, CO
NMCHIGCO	NINEMILE CANAL AT NINEMILE DAM NEAR HIGBEE, CO.
PURGATCO	PURGATOIRE R AT NINEMILE DAM, NR HIGBEE, CO-COMBINED
PURNINCO	PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE, COLOR
PURTRICO	PURGATOIRE RIVER AT TRINIDAD, COLOR
TWITUNCO	TWIN LAKES TUNNEL, COLORADO
WURDITCO	WURTZ DITCH NEAR TENNESSEE PASS, CO
WUREXDCO	WURTZ EXTENSION DITCH NEAR TENNESSEE PASS, CO.

DIV III

CODE	NAME
ALABELCO	ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO.
ALATERCO	ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO CONEJOS CTY
CARLAGCO	CARNERO CREEK NEAR LA GARITA, CO.
CBPALACO	CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO
CONLASCO	COMBINED CONEJOS RIVER (NORLASCO SOULASCO)
CONMOGCO	CONEJOS RIVER NEAR MOGOTE, CO.
CONPLACO	CONEJOS RIVER BELOW PLATORO RESERVOIR, CO CONEJOS CO
CULSANCO	CULEBRA CREEK AT SAN LUIS, CO.
DLFCMBCO	DON LA FONT DITCH, COMBINED, AT PIEDRA PASS, CO.
DLFDT1CO	DON LA FONT DITCH NO. 1 AT PIEDRA PASS, CO
DLFDT2CO	DON LA FONT DITCH NO. 2 AT PIEDRA PASS, CO
GOOWAGCO	GOOSE CREEK AT WAGONWHEEL GAP, CO.
KERVILCO	KERBER CREEK NEAR VILLA GROVE, CO
LAGLAGCO	LA GARITA CREEK NEAR LA GARITA, CO.
LAJCAPCO	LAJARA CREEK AT GALLEGOS RANCH NEAR CAPULIN, CO.
LOSORTCO	LOS PINOS RIVER NEAR ORTIZ, CO.
NCLCONCO	NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO
NOCRESCO	CRESTONE CREEK, NORTH NEAR CRESTONE, CO.
NORDLSCO	NORTON DRAIN NEAR LA SAUSES, CO.
NORDSCCO	SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES, CO
NORLASCO	NORTH CHANNEL CONEJOS RIVER NEAR LASAUSES, CO.
PINDELCO	PINOS CREEK NEAR DEL NORTE, CO
PRWDITCO	PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, C
RIOALACO	RIO GRANDE RIVER AT ALAMOSA, COLORADO
RIODELCO	RIO GRANDE NEAR DEL NORTE, CO.
RIOLINCO	RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE, CO
RIOLOBCO	RIO GRANDE NEAR LOBATOS, CO.
RIOMILCO	RIO GRANDE AT THIRTY MILE BRIDGE
RIOMONCO	RIO GRANDE AT MONTE VISTA, CO
RIOSFKCO	SOUTH FORK RIO GRANDE RIVER AT SOUTH FORK
RIOTRICO	RIO GRANDE RIVER ABOVE THE MOUTH OF TRINCHERA CREEK
SAGSAGCO	SAGUACHE CREEK NEAR SAGUACHE, CO.
SANFTGCO	SANGRE DE CRISTO CREEK NEAR FT. GARLAND, CO.
SANMANCO	SAN ANTONIO RIVER NEAR MANASSA, CO
SANORTCO	SAN ANTONIO RIVER AT ORTIZ, CO.
SOULASCO	SOUTH CHANNEL CONEJOS RIVER NEAR LASAUSES, CO.
TABDITCO	TABOR DITCH AT SPRING CREEK PASS, CO
TARBELCO	TARBELL DITCH NEAR COCHETOPA PASS, CO
TREDITCO	TREASURE PASS DITCH AT WOLF CREEK PASS, CO
TRIMTNCO	TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO.
TRISMICO	TRINCHERA CREEK BELOW SMITH RESERVOIR, CO
TRITURCO	TRINCHERA CREEK AB. TURNER'S RANCH CO
UTEFTGCO	UTE CREEK NEAR FORT GARLAND CO
WCSBITCO	WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO
WEMDITCO	WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

DIV IV

CODE	NAME
ABCLATCO	ABC LATERAL
MUDAPRCO	MUDDY CREEK ABOVE PAONIA RESERVOIR, CO - GUNNISON CO
MUDBPRCO	MUDDY CREEK BELOW PAONIA RESERVOIR
RLCGRJCO	REDLANDS CANAL NR GRAND JUNCTION, CO
SOUCANCO	SOUTH CANAL NR MONTROSE, CO - MONTROSE COUNTY
UNCOLACO	UNCOMPAHGRE RIVER NEAR OLATHE

DIV V

CODE	NAME
CHAGULCO	CHAPMAN GULCH NEAR NAST, CO.
FRYIVLCO	FRYINGPAN RIVER NEAR IVANHOE LAKE, CO.
FRYMERCO	FRYINGPAN RIVER AT MEREDITH, CO.
FRYNFNCO	NORTH FORK FRYING PAN RIVER NEAR NORRIE, CO.
FRYSFUCO	FRYINGPAN RIVER, SOUTH FORK AT UPPER STATION NEAR NOR
FRYTHOCO	FRYINGPAN RIVER NEAR THOMASVILLE, COLORADO
IVCRNACO	IVANHOE CREEK NEAR NAST.
RFCMERCO	ROCKY FORK CREEK NEAR MEREDITH, CO.
ROABMCCO	ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN, CO

DIV VI

CODE	NAME
HARRISON	HARRISON CREEK AT MOUTH, CO
ILLRANCO	ILLINOIS RIVER NEAR RAND, CO
MICGOUCO	MICHIGAN RIVER NEAR GOULD, CO
WILBSLCO	WILSON CREEK BELOW STEAMBOAT LAKE, CO
YAMABCAT	YAMPA RIVER ABOVE LAKE CATAMOUNT, CO

DIV VII

CODE	NAME
ANIHOWCO	ANIMAS RIVER NEAR HOWARDSVILLE, CO.
BLADIVCO	BLANCO DIVERSION NEAR PAGOSA SPRINGS, CO
CHEREDCO	CHERRY CREEK AT THE MOUTH NEAR RED MESA, CO.
DOLBMCCO	DOLORES RIVER BELOW MCPHEE RESERVOIR, CO.
DOLTUNCO	DOLORES TUNNEL OUTLET NEAR DOLORES, CO.
ENTDITCO	ENTERPRISE DITCH AT THE COLO-NEW MEXICO STATELINE
FLOALECO	FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO
FLOBLECO	FLORIDA RIVER BELOW LEMON RESERVOIR, CO.
LAPHESCO	LA PLATA RIVER AT HESPERUS, CO LA PLATA COUNTY
LAPMEXCO	LA PLATA RIVER AT THE COLORADO/NEW MEXICO LINE
LONREDCO	LONG HOLLOW AT THE MOUTH NEAR RED MESA, CO.
LOSODVCO	LITTLE OSO DIVERSION NEAR CHROMO, CO.
LPCDITCO	LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS, CO
MANMANCO	MANCOS RIVER NEAR MANCOS, COLORADO
MVIDIVCO	LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES, CO
NAVBANCO	NAVAJO RIVER AT BANDED PEAKS RANCH NEAR CHROMO, CO.
NAVOSOCO	NAVAJO RIVER BELOW OSO DIVERSION DAM NEAR CHROMO, CO
OSODIVDO	OSO DIVERSION NEAR CHROMO, CO
PINDITCO	PINE RIDGE DITCH NEAR HESPERUS, CO
PIODITCO	PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE
RIOBLACO	RIO BLANCO BELOW BLANCO DIVERSION DAM NEAR PAGOSA
RIOMOUCCO	RIO BLANCO AT THE MOUTH NEAR TRUJILLO, CO.