



# STREAM FLOW DATA for COLORADO

Water Year  
1996

Skimpy Fish Lake  
Flat Tops Wilderness Area

Compiled by the Hydrographic Branch  
Edited by Jim McDanold

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PLATTE RIVER BASIN

06694650 SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR

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

DRAINAGE AREA.--N/A

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

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

RATING TABLE.--PLAANTCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

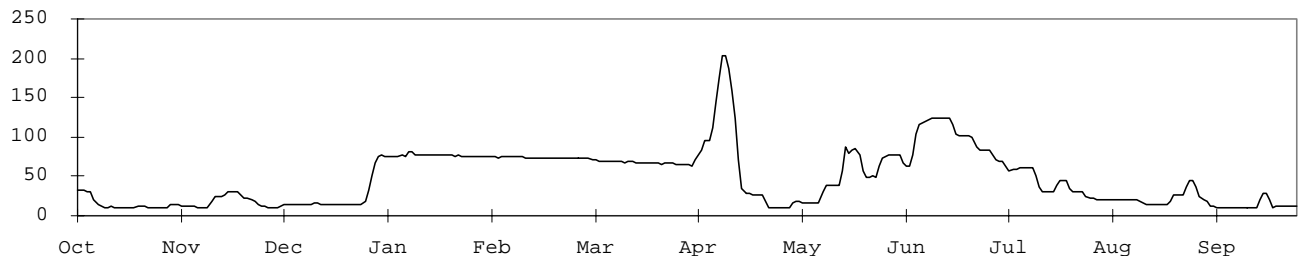
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	13	12	76	75	73	65	10	77	78	21	24
2	33	13	15	76	75	73	64	16	78	71	21	20
3	33	13	15	76	75	72	71	18	78	70	21	18
4	31	12	15	76	73	72	77	18	68	70	21	12
5	30	12	15	76	75	70	84	17	63	64	20	13
6	21	11	15	77	76	70	96	17	62	57	20	11
7	15	11	15	77	76	70	95	17	78	58	20	9.9
8	12	11	15	81	76	70	111	16	103	59	21	9.9
9	11	11	15	81	76	70	144	16	115	60	20	9.9
10	11	19	15	77	75	69	174	16	117	60	20	9.9
11	12	24	16	78	75	69	203	30	119	60	20	10
12	11	24	16	78	74	69	204	38	121	60	20	10
13	11	24	15	78	73	68	187	39	123	60	20	10
14	11	27	15	78	73	69	158	39	123	50	18	10
15	11	30	15	78	73	69	123	38	124	36	16	10
16	11	30	15	78	73	68	72	38	124	30	14	10
17	11	30	15	77	74	67	34	57	125	30	14	10
18	11	30	15	77	74	68	28	87	125	30	14	10
19	12	26	15	77	74	67	28	79	115	30	14	21
20	12	22	15	77	74	67	27	83	104	38	14	29
21	12	22	15	77	74	67	27	85	101	44	14	29
22	11	20	15	76	74	67	26	78	101	44	14	21
23	11	18	14	77	74	67	26	56	101	44	18	11
24	11	14	14	76	74	66	18	48	101	35	26	12
25	11	12	14	76	74	67	11	49	100	31	26	12
26	11	12	19	76	73	67	11	50	88	31	27	12
27	11	11	32	76	74	67	11	49	83	31	26	12
28	11	10	50	76	74	66	10	62	83	30	37	12
29	15	10	67	75	74	66	10	73	83	25	44	12
30	15	10	75	75	---	66	10	75	83	22	44	12
31	14	---	77	75	---	66	---	77	---	22	36	---
TOTAL	476	532	691	2383	2154	2122	2205	1391	2966	1430	681	412.6
MEAN	15.4	17.7	22.3	76.9	74.3	68.5	73.5	44.9	98.9	46.1	22.0	13.8
AC-FT	944	1060	1370	4730	4270	4210	4370	2760	5880	2840	1350	818
MAX	33	30	77	81	76	73	204	87	125	78	44	29
MIN	11	10	12	75	73	66	10	10	62	22	14	9.9

CAL YR 1995 TOTAL 21613.8 MEAN 59.2 MAX 337 MIN 4.4 AC-FT 42870  
WTR YR 1996 TOTAL 17443.6 MEAN 47.7 MAX 204 MIN 9.9 AC-FT 34600

MAX DISCH 207 CFS AT 1200 11-APR-1996 GH 2.57 FT. SHIFT -0.04 FT. MAX GH 2.57 FT. AT 1200 11-APR-1996

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



## PLATTE RIVER BASIN

06694920 SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is taken from hourly satellite readings and is complete and reliable, except for the winter period, Nov. 9, 1995-Mar. 8, 1996 when the flume was frozen. Satellite daily gage heights agree with chart data to within 0.02 ft. Record is good in warm weather when the flume is open. Winter period estimates are fair on a long term average, and poor on a daily basis. Record developed by Robert Cooper.

RATING TABLE.--PLASPIC001 USED FROM 01-OCT-1995 TO 30-SEP-1996

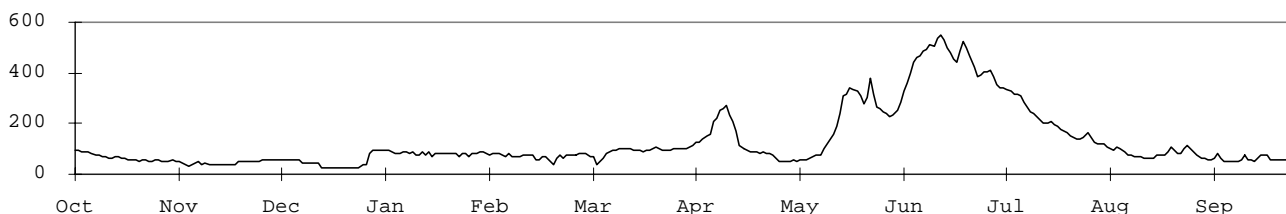
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	51	55	92	83	82	104	50	229	408	128	75
2	92	47	55	92	78	81	108	49	232	384	117	63
3	89	37	55	92	85	72	111	55	250	353	117	61
4	86	33	55	86	85	72	124	53	285	344	122	60
5	89	39	55	79	83	39	124	57	331	341	108	54
6	79	46	55	79	78	48	142	58	362	334	98	63
7	74	52	55	89	69	64	150	59	399	330	94	82
8	73	40	45	89	85	80	161	62	441	318	107	61
9	67	47	45	79	70	89	206	68	460	316	100	53
10	67	40	45	89	68	93	220	74	470	309	89	50
11	66	40	45	78	69	97	255	78	487	283	78	52
12	65	40	45	78	76	98	257	100	494	268	74	50
13	71	40	45	88	76	102	271	117	513	249	71	53
14	67	40	25	77	76	102	233	137	508	237	69	59
15	64	40	25	88	76	99	211	157	537	226	69	75
16	62	40	25	72	58	97	168	191	550	216	62	59
17	59	40	25	82	58	95	116	243	531	201	64	54
18	57	40	25	82	67	92	98	309	502	205	61	53
19	55	50	25	82	67	89	97	313	482	207	65	61
20	51	50	25	82	58	92	90	338	452	197	78	76
21	54	50	25	81	41	97	88	334	441	190	74	77
22	57	50	25	81	66	102	88	331	488	178	76	73
23	53	50	25	81	75	107	85	312	522	170	90	60
24	49	50	25	70	66	104	87	275	500	163	106	60
25	54	50	25	81	74	97	81	302	465	154	95	60
26	54	58	35	80	74	96	81	377	423	147	80	57
27	51	57	35	70	74	96	74	315	383	139	85	56
28	52	55	79	79	73	101	63	265	392	136	103	55
29	52	55	94	79	82	102	52	256	403	147	111	55
30	56	55	97	86	---	101	50	248	407	165	98	55
31	52	---	97	86	---	103	---	239	---	147	91	---
TOTAL	2013	1382	1392	2549	2090	2789	3995	5822	12939	7462	2780	1822
MEAN	64.9	46.1	44.9	82.2	72.1	90.0	133	188	431	241	89.7	60.7
AC-FT	3990	2740	2760	5060	4150	5530	7920	11550	25660	14800	5510	3610
MAX	96	58	97	92	85	107	271	377	550	408	128	82
MIN	49	33	25	70	41	39	50	49	229	136	61	50
CAL YR 1995 TOTAL	65651		MEAN	180	MAX	1000	MIN	10	AC-FT	130200		
WTR YR 1996 TOTAL	47035		MEAN	129	MAX	550	MIN	25	AC-FT	93290		

CAL YR 1995 TOTAL 65651 MEAN 180 MAX 1000 MIN 10 AC-FT 130200  
WTR YR 1996 TOTAL 47035 MEAN 129 MAX 550 MIN 25 AC-FT 93290

MAX DISCH 558 CFS AT 1915 16-JUN-1996 GH 3.07 FT. SHIFT -0.04 FT. MAX GH 3.07 FT. AT 1915 16-JUN-1996

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



## PLATTE RIVER BASIN

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

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

**DRAINAGE AREA.**--880 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 ft. of available chart data. Record is complete and reliable, except for Nov. 11; Dec. 7-11, Dec. 15, 1995-Feb. 7, 1996, when stage discharge relationship ice affected. Ice affected gage heights corrected using Spinney Mountain Reservoir releases located 2 miles above gage. Record is good. Record developed by Robert Cooper.

**RATING TABLE.**-- PLAHARCO15 USED FROM 01-OCT-1995 TO 30-SEP-1996

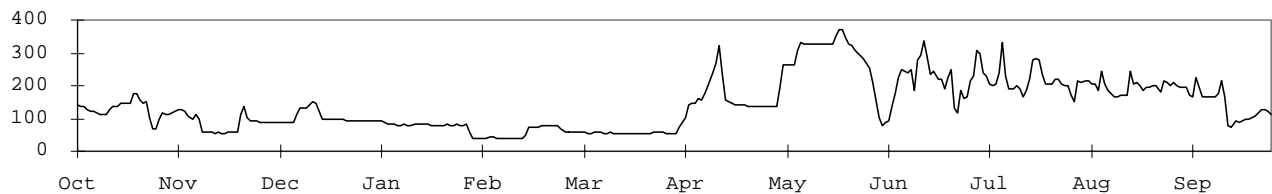
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	142	125	89	94	41	57	56	136	157	228	150	199
2	139	125	88	93	41	59	74	136	101	307	213	193
3	137	120	88	86	41	58	88	197	80	296	212	193
4	127	108	88	81	42	57	103	262	86	237	214	193
5	120	99	88	81	42	56	142	262	92	227	217	173
6	120	111	88	81	41	56	144	262	135	207	205	168
7	116	98	113	80	41	57	147	262	174	199	203	222
8	112	57	132	80	39	58	160	308	225	205	187	197
9	110	57	132	81	39	57	157	332	251	238	244	165
10	110	57	132	80	39	56	177	328	243	330	207	165
11	125	57	142	80	39	56	201	327	237	228	186	165
12	135	56	149	81	39	57	238	327	249	191	178	166
13	136	60	147	81	39	56	269	326	186	192	165	165
14	145	55	124	81	38	56	322	326	280	198	168	174
15	144	55	99	81	51	56	234	327	295	188	169	215
16	147	59	98	82	73	56	157	327	339	166	170	165
17	147	57	98	79	75	56	149	327	290	185	170	77
18	175	57	98	79	75	55	146	326	236	221	244	73
19	175	57	96	79	75	56	141	325	242	276	204	92
20	154	112	96	79	77	56	142	351	221	281	212	86
21	148	137	96	80	77	56	141	369	219	280	200	95
22	151	104	95	82	77	56	141	372	191	233	185	99
23	104	92	95	80	79	56	139	346	226	203	193	97
24	69	92	95	80	79	56	137	329	250	205	196	104
25	68	91	95	81	79	57	136	320	131	206	201	105
26	96	89	94	79	69	57	137	305	115	218	201	119
27	115	89	93	80	58	57	136	298	187	219	180	129
28	111	88	94	81	58	57	137	282	161	203	216	125
29	111	88	94	59	57	56	137	270	164	200	209	122
30	118	89	93	41	---	56	136	252	213	200	199	114
31	124	---	94	41	---	56	---	211	---	170	209	---
TOTAL	3931	2541	3223	2423	1620	1751	4624	9128	5976	6937	6107	4355
MEAN	127	84.7	104	78.2	55.9	56.5	154	294	199	224	197	145
AC-FT	7800	5040	6390	4810	3210	3470	9170	18110	11850	13760	12110	8640
MAX	175	137	149	94	79	59	322	372	339	330	244	222
MIN	68	55	88	41	38	55	56	136	80	166	150	73

CAL YR 1995 TOTAL 70256 MEAN 192 MAX 862 MIN 40 AC-FT 139400  
WTR YR 1996 TOTAL 52616 MEAN 144 MAX 372 MIN 38 AC-FT 104400

MAX DISCH 394 CFS AT 1045 16-JUN-1996 GH 2.54 FT. SHIFT -0.10 FT. MAX GH 2.54 FT. AT 1045 16-JUN-1996

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



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.**--Record is complete. Hourly satellite data was used, except for one period of encoder failure. Mean daily gage heights from the chart were used for Nov. 26, 1995-Jan. 9, 1996. Satellite data is reliable and agrees with chart data to within 0.20 ft. Record is good. Record developed by Robert Cooper.

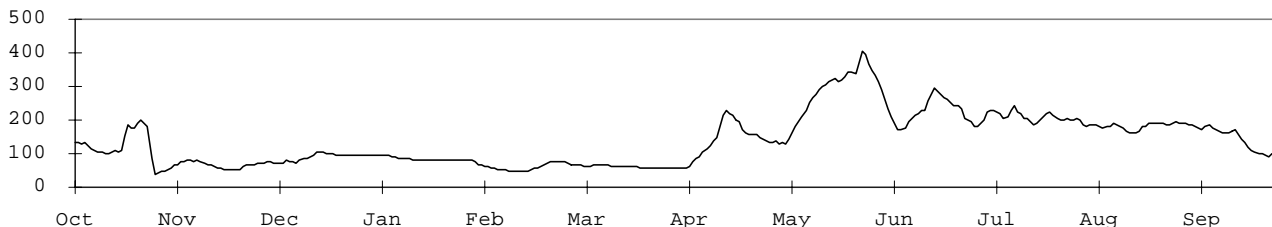
**RATING TABLE.**--PLAGEOCO4 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	68	72	96	65	67	56	130	290	191	187	191
2	131	75	73	96	62	65	56	131	261	200	180	188
3	129	76	72	96	60	63	57	130	232	223	185	185
4	131	79	81	94	58	62	63	145	208	229	188	182
5	123	80	74	90	55	62	75	163	191	230	186	178
6	113	78	75	89	53	67	85	181	172	224	181	173
7	111	80	73	87	52	67	92	197	171	217	175	180
8	107	75	82	86	51	66	103	209	178	207	179	185
9	104	72	84	86	50	65	114	230	194	210	180	178
10	102	69	85	86	49	65	124	253	205	230	190	171
11	102	67	90	83	48	64	137	268	213	244	184	165
12	107	62	97	83	47	64	147	278	220	225	180	161
13	108	59	103	83	47	62	183	290	228	220	174	160
14	107	56	105	82	47	62	214	300	227	205	169	160
15	110	54	103	83	47	63	230	306	259	205	164	167
16	152	54	101	82	51	62	221	316	275	195	162	171
17	184	53	99	81	55	62	215	320	293	188	161	158
18	178	52	98	83	59	63	198	322	286	189	168	143
19	175	51	97	82	62	61	193	314	275	198	180	131
20	191	51	97	83	65	59	170	318	268	210	179	118
21	198	62	97	82	71	57	162	328	260	218	189	108
22	192	69	96	80	74	57	159	342	254	222	189	104
23	180	68	96	81	74	57	155	345	244	213	190	98
24	87	69	96	80	74	56	155	340	241	206	191	98
25	39	71	96	79	74	56	150	373	234	202	190	97
26	44	73	95	79	75	56	141	404	206	200	188	92
27	48	71	94	80	72	56	138	393	198	205	188	99
28	48	75	94	80	69	56	133	366	196	202	189	96
29	52	74	94	79	69	56	135	349	183	200	193	96
30	59	73	94	74	---	56	139	335	183	204	189	97
31	65	---	96	69	---	56	---	316	---	199	190	---
TOTAL	3609	2016	2809	2594	1735	1890	4200	8692	6845	6511	5638	4330
MEAN	116	67.2	90.6	83.7	59.8	61.0	140	280	228	210	182	144
AC-FT	7160	4000	5570	5150	3440	3750	8330	17240	13580	12910	11180	8590
MAX	198	80	105	96	75	67	230	404	293	244	193	191
MIN	39	51	72	69	47	56	56	130	171	188	161	92
CAL YR 1995 TOTAL		70313	MEAN	193	MAX	981	MIN	39	AC-FT	139500		
WTR YR 1996 TOTAL		50869	MEAN	139	MAX	404	MIN	39	AC-FT	100900		

MAX DISCH 418 CFS AT 1300 26-MAY-1996 GH 3.46 FT. SHIFT -0.02 FT. MAX GH 3.46 FT. AT 1300 26-MAY-1996

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



## PLATTE RIVER BASIN

06701500 SOUTH PLATTE RIVER BELOW CHEESMAN LAKE, CO

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

**DRAINAGE AREA.**--1,752 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 chart data within 0.02 foot with recorder corrections applied. The record is good. Record developed by Robert Cooper.

**RATING TABLE.**--PLACHECO11 USED FROM 01-OCT-1995 TO 30-SEP-1996

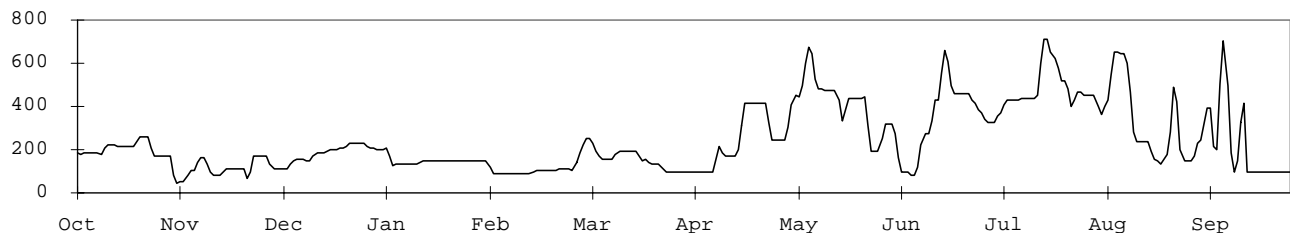
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	182	49	111	203	150	221	98	247	318	324	453	173
2	181	49	111	204	122	255	98	302	319	326	453	229
3	183	79	113	171	87	254	99	411	276	328	402	248
4	183	102	137	129	86	226	99	450	165	358	366	319
5	182	102	150	130	86	196	99	447	99	374	402	395
6	183	139	152	130	86	172	99	496	99	409	426	394
7	183	164	152	130	87	156	98	602	99	426	545	215
8	181	164	152	131	87	156	98	674	85	428	653	197
9	206	134	151	130	88	156	98	644	78	430	651	507
10	221	98	150	130	89	158	156	529	118	432	646	701
11	221	81	172	130	89	177	214	480	219	434	645	500
12	219	81	183	141	89	194	186	478	272	437	600	185
13	218	81	184	147	89	194	168	477	272	438	466	93
14	217	99	185	148	88	194	168	475	334	438	278	148
15	215	111	195	148	96	195	168	475	429	437	240	329
16	214	111	203	149	104	196	168	475	429	452	240	414
17	216	111	203	150	104	196	202	427	559	603	239	96
18	215	111	203	150	104	172	314	332	656	713	237	97
19	235	110	205	148	105	145	417	382	608	709	193	98
20	256	110	205	148	106	152	415	438	498	655	158	98
21	256	68	215	149	106	139	414	438	459	619	148	99
22	256	100	228	150	106	134	414	437	459	581	130	99
23	205	170	228	150	108	134	414	435	459	519	157	98
24	172	170	228	150	108	134	414	439	459	517	181	97
25	172	170	228	150	108	113	414	441	459	478	285	97
26	171	170	229	150	108	98	324	312	430	397	491	98
27	170	171	214	149	107	98	247	193	416	426	424	98
28	171	134	205	150	141	98	247	194	385	469	203	99
29	172	112	204	150	186	98	247	195	374	470	148	99
30	81	111	203	150	---	98	247	253	342	452	149	99
31	48	---	203	150	---	98	---	318	---	453	149	---
TOTAL	5985	3462	5702	4595	3020	5007	6844	12896	10174	14532	10758	6419
MEAN	193	115	184	148	104	162	228	416	339	469	347	214
AC-FT	11870	6870	11310	9110	5990	9930	13580	25580	20180	28820	21340	12730
MAX	256	171	229	204	186	255	417	674	656	713	653	701
MIN	48	49	111	129	86	98	98	193	78	324	130	93

CAL YR 1995 TOTAL 136427 MEAN 374 MAX 2260 MIN 36 AC-FT 270600  
WTR YR 1996 TOTAL 89394 MEAN 244 MAX 713 MIN 48 AC-FT 177300

MAX DISCH 719 CFS AT 1500 17-JUL-1996 GH 3.27 FT. SHIFT -0.05 FT. MAX GH 3.27 FT. AT 1500 17-JUL-1996

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



## PLATTE RIVER BASIN

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

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

**DRAINAGE AREA.**--127 mi<sup>2</sup>.

**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; daily mean gage heights agreed to within 0.02 ft with the chart data. Record is good. Record developed by Robert Cooper.

**RATING TABLE.**--PLAGRACO11 USED FROM 01-OCT-1995 TO 30-SEP-1996

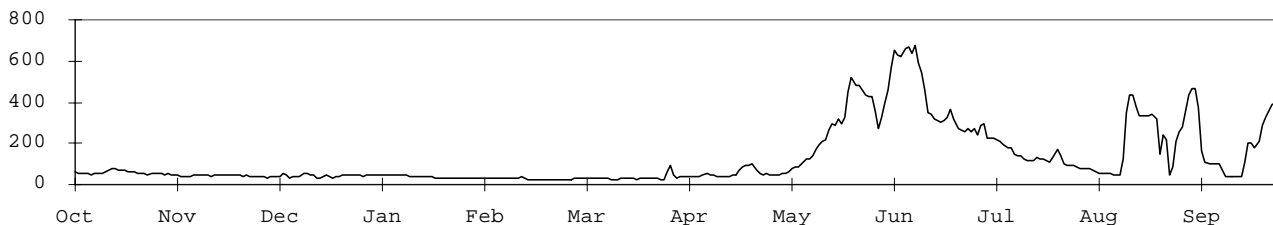
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	49	38	44	32	28	37	47	328	289	76	356
2	56	40	40	44	32	28	40	54	393	296	74	433
3	53	35	55	44	32	28	40	57	458	225	75	466
4	55	40	45	44	32	28	36	64	569	224	68	465
5	51	42	33	44	30	28	36	74	651	226	60	376
6	48	43	36	43	30	28	37	84	630	217	52	163
7	52	45	38	44	30	28	39	89	619	206	52	110
8	54	45	42	44	30	28	44	103	661	194	55	101
9	52	46	55	43	29	28	51	121	665	182	53	99
10	62	44	53	42	29	28	50	127	638	178	50	99
11	73	42	48	42	29	27	47	137	677	150	48	99
12	78	49	47	39	29	27	42	174	593	143	47	68
13	78	50	33	36	38	27	40	194	546	136	122	40
14	72	47	34	37	32	28	36	206	460	125	353	38
15	72	45	37	37	27	28	38	220	349	120	437	42
16	70	45	49	36	26	28	42	267	340	116	438	38
17	66	44	38	36	27	28	45	294	318	114	377	37
18	63	44	33	34	27	28	43	291	313	133	334	38
19	59	44	38	34	26	27	69	318	305	128	335	107
20	54	43	42	34	27	28	89	297	310	122	335	201
21	55	42	45	34	27	29	91	327	324	114	336	199
22	55	43	45	34	27	30	97	452	368	111	343	177
23	44	42	44	33	26	31	99	521	316	130	319	211
24	51	41	46	33	25	30	71	485	275	168	151	286
25	53	42	44	33	26	29	54	480	266	142	244	324
26	52	42	43	33	27	27	48	461	260	102	221	354
27	51	38	42	34	26	27	53	432	268	91	44	387
28	50	33	44	34	27	61	47	426	255	90	85	398
29	51	40	45	34	28	94	45	426	272	92	211	406
30	50	39	46	33	---	50	44	358	237	89	256	329
31	49	---	45	33	---	34	---	269	---	81	279	---
TOTAL	1788	1284	1323	1169	833	998	1550	7855	12664	4734	5930	6447
MEAN	57.7	42.8	42.7	37.7	28.7	32.2	51.7	253	422	153	191	215
AC-FT	3550	2550	2620	2320	1650	1980	3070	15580	25120	9390	11760	12790
MAX	78	50	55	44	38	94	99	521	677	296	438	466
MIN	44	33	33	33	25	27	36	47	237	81	44	37

CAL YR 1995 TOTAL 63618 MEAN 174 MAX 973 MIN 33 AC-FT 126200  
WTR YR 1996 TOTAL 46575 MEAN 127 MAX 677 MIN 25 AC-FT 92380

MAX DISCH 750 CFS AT 2230 05-JUN-1996 GH 2.10 FT. SHIFT -0.04 FT. MAX GH 2.10 FT. AT 2230 05-JUN-1996

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



## PLATTE RIVER BASIN

06707500 SOUTH PLATTE RIVER AT SOUTH PLATTE, CO

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

**DRAINAGE AREA.**--2,579 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.**--The primary record is hourly satellite readings. The record is complete, except for July 12, 2300, when the Buffalo Creek flood peak was inexplicably missed. Peak data was determined from high water marks. The record is reliable, except for Jan. 4-Feb. 8, 1996 when the channel stage was affected by ice. The satellite readings agreed with available chart record to within 0.02 ft. The record is good for open water conditions, poor for estimated winter conditions. Station maintained and record developed by Robert Cooper.

**RATING TABLE.**--PLASPLCO15 USED FROM 01-OCT-1995 TO 30-SEP-1996

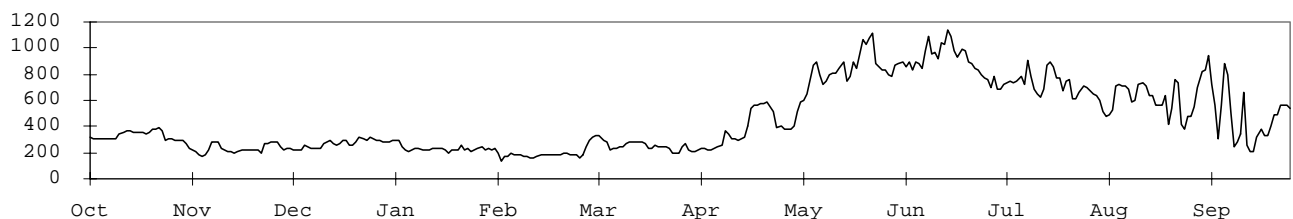
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	317	220	230	291	230	300	209	378	781	694	655	555
2	311	206	222	297	197	313	212	401	870	787	635	699
3	307	183	215	294	133	325	220	509	885	684	600	817
4	309	175	215	240	166	335	229	585	888	690	514	833
5	310	188	254	215	177	294	228	605	859	724	478	947
6	302	225	248	209	197	282	219	645	891	733	488	721
7	307	284	238	218	188	225	225	755	837	752	532	565
8	308	282	235	228	181	230	229	870	890	739	710	309
9	312	276	228	231	178	235	242	888	881	746	722	568
10	342	233	230	224	172	243	262	796	843	780	716	884
11	349	216	265	223	169	246	366	725	976	725	705	795
12	362	203	285	217	163	272	345	751	1090	906	683	498
13	366	203	288	231	161	279	310	796	961	779	590	239
14	360	202	268	230	167	286	306	808	968	685	594	282
15	358	209	259	227	178	279	289	813	922	645	727	339
16	354	217	274	231	178	276	302	846	1040	625	733	657
17	351	225	294	220	183	280	316	900	1030	690	708	253
18	347	224	297	201	187	274	398	752	1140	864	637	214
19	349	222	254	222	187	230	540	783	1090	900	632	214
20	381	221	262	225	183	236	562	896	978	854	567	321
21	381	220	279	225	189	254	568	841	936	776	564	382
22	389	196	319	254	198	242	572	957	990	766	565	326
23	368	265	303	220	192	240	575	1060	984	674	640	333
24	293	274	294	229	180	245	582	1030	900	751	414	405
25	311	282	313	212	183	227	554	1080	882	756	539	485
26	303	279	306	218	183	191	514	1110	846	617	754	495
27	299	282	294	231	163	193	392	876	834	616	736	565
28	295	246	288	251	178	193	398	854	800	663	411	565
29	296	220	282	218	243	248	378	832	772	705	385	568
30	274	235	279	230	---	265	384	832	758	700	481	539
31	227	---	282	224	---	220	---	795	---	675	481	---
TOTAL	10138	6913	8300	7186	5284	7958	10926	24769	27522	22701	18596	15373
MEAN	327	230	268	232	182	257	364	799	917	732	600	512
AC-FT	20110	13710	16460	14250	10480	15780	21670	49130	54590	45030	36890	30490
MAX	389	284	319	297	243	335	582	1110	1140	906	754	947
MIN	227	175	215	201	133	191	209	378	758	616	385	214

CAL YR 1995 TOTAL 268614 MEAN 736 MAX 3600 MIN 175 AC-FT 532800  
WTR YR 1996 TOTAL 165666 MEAN 453 MAX 1140 MIN 133 AC-FT 328600

MAX DISCH 7756 CFS AT 2345 12-JUL-1996 GH 11.20 FT. SHIFT -0.02 FT. MAX GH 11.20 FT. AT 2345 12-JUL-1996

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



## PLATTE RIVER BASIN

06707501 SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR, CO

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

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

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

**REMARKS.**--The satellite record is the primary record and is complete and reliable. The record is rated as good. Station maintained and record developed by Rodger Burcher.

**RATING TABLE.**--PLASTRCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

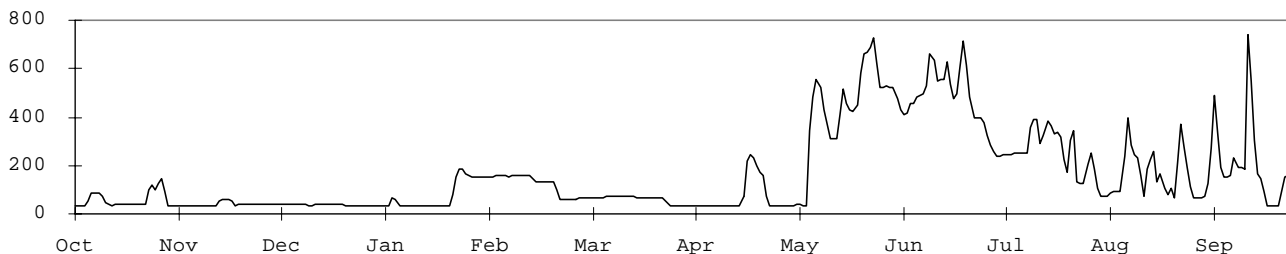
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	31	37	33	155	67	33	36	524	286	185	64
2	36	30	37	33	155	68	33	36	522	260	107	67
3	35	30	37	33	155	69	34	36	476	240	76	70
4	36	31	37	63	157	69	34	37	433	240	74	125
5	55	33	37	61	157	69	34	37	413	244	73	271
6	88	33	37	36	157	69	33	36	417	246	85	486
7	88	33	37	32	157	69	33	36	459	247	93	339
8	88	33	37	34	155	70	33	341	453	248	92	189
9	75	33	37	34	156	71	33	482	484	249	92	155
10	48	33	36	34	156	71	32	557	491	248	235	155
11	37	33	36	34	157	71	32	523	493	249	398	158
12	36	34	37	34	159	71	31	433	532	251	285	234
13	37	51	37	33	159	71	31	369	660	359	244	192
14	37	62	37	33	161	71	35	310	636	387	231	190
15	37	62	37	33	146	71	32	311	548	391	157	185
16	37	62	37	33	131	70	31	311	553	294	74	741
17	37	56	37	34	129	69	31	407	557	321	186	546
18	37	35	37	33	129	69	72	515	625	386	223	301
19	37	37	37	33	129	69	218	454	538	366	258	167
20	37	37	37	33	129	69	242	428	475	332	129	148
21	37	37	36	33	129	69	231	426	495	335	166	91
22	37	37	35	82	99	69	198	449	610	318	104	31
23	99	37	34	151	58	69	169	580	716	224	82	31
24	121	37	33	187	58	69	159	658	614	175	107	31
25	98	37	33	188	58	69	74	666	482	306	69	31
26	126	37	33	165	58	48	33	690	397	341	212	92
27	146	37	33	158	61	34	34	724	397	135	373	153
28	91	37	33	155	61	33	35	620	396	123	275	156
29	30	37	33	155	64	33	35	524	380	123	192	151
30	30	37	33	155	---	34	36	524	323	204	110	152
31	31	---	33	155	---	33	---	526	---	253	65	---
TOTAL	1800	1159	1107	2310	3635	1953	2091	12082	15099	8381	5052	5702
MEAN	58.1	38.6	35.7	74.5	125	63.0	69.7	390	503	270	163	190
AC-FT	3570	2300	2200	4580	7210	3870	4150	23960	29950	16620	10020	11310
MAX	146	62	37	188	161	71	242	724	716	391	398	741
MIN	30	30	33	32	58	33	31	36	323	123	65	31

CAL YR 1995 TOTAL 168990 MEAN 463 MAX 3550 MIN 30 AC-FT 335200  
WTR YR 1996 TOTAL 60371 MEAN 165 MAX 741 MIN 30 AC-FT 119700

MAX DISCH 29750 CFS AT 1615 29-JUL-1996 GH 13.50 FT. SHIFT -0.04 FT. MAX GH 13.50 FT. AT 1615 29-JUL-1996

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





PLATTE RIVER BASIN

06708000 SOUTH PLATTE RIVER AT WATERTON, CO

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

**DRAINAGE AREA.**--2,621 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 period of construction on October 9-19, 1995 and the period of winter record when the control and well were frozen. Period of winter record is January 23-31; February 1-26, 1996. The stage-discharge relation was affected by ice on December 19-31, 1995; February 27-29; March 1-3, 7-8, 1996. The satellite record is the primary record. Station maintained and record developed by Rodger Burcher.

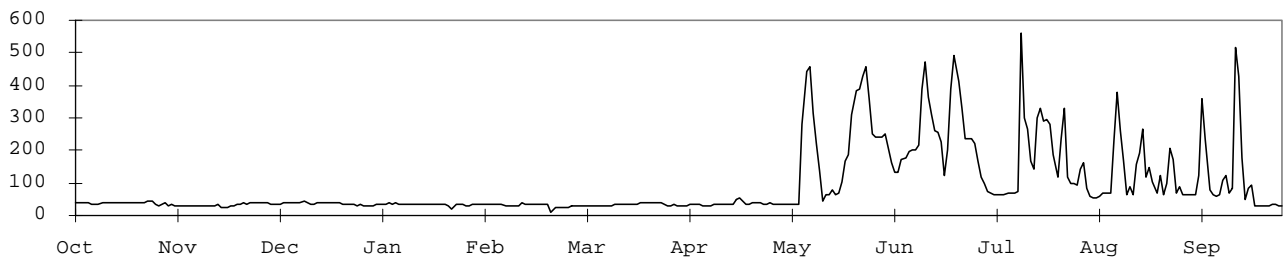
**RATING TABLE.**--PLAWATCO08 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	31	36	32	35	31	31	35	241	118	162	62
2	38	31	36	32	35	31	29	35	252	98	86	62
3	38	30	37	32	35	31	31	35	209	75	57	63
4	39	30	37	38	35	31	32	36	161	68	53	66
5	38	30	37	34	35	31	32	36	134	65	52	121
6	34	29	38	37	35	29	32	36	134	64	58	359
7	36	30	39	33	33	31	32	35	170	64	67	236
8	36	31	39	33	30	31	31	281	176	66	68	79
9	39	30	43	33	30	31	31	444	195	68	68	63
10	39	31	39	33	30	31	31	455	203	67	229	61
11	39	30	33	33	30	31	32	314	202	70	379	62
12	39	30	36	33	30	32	33	222	214	76	262	108
13	39	32	37	32	38	34	34	137	389	560	167	122
14	37	26	38	32	35	36	35	46	473	302	62	69
15	37	26	37	32	36	36	35	66	366	264	87	82
16	37	25	37	32	34	32	32	62	311	165	65	514
17	37	30	40	32	34	32	33	77	259	142	156	426
18	38	30	41	32	34	36	51	66	254	300	190	176
19	39	34	38	32	34	36	54	67	224	331	264	49
20	40	36	37	32	34	37	42	101	121	292	116	82
21	38	37	34	32	34	37	36	168	203	294	146	93
22	41	36	34	30	12	38	32	185	388	278	101	31
23	46	37	33	22	25	37	40	310	491	185	69	29
24	44	37	32	33	25	41	40	384	414	119	122	29
25	36	37	31	34	25	40	38	390	328	237	62	29
26	31	38	32	33	27	37	32	426	234	328	98	31
27	33	38	31	30	26	32	35	459	234	117	206	33
28	40	39	31	30	28	31	37	358	235	96	173	33
29	31	36	31	32	29	31	36	249	222	96	71	31
30	32	36	31	35	---	32	35	242	169	93	89	30
31	31	---	32	35	---	31	---	241	---	143	63	---
TOTAL	1161	973	1107	1005	903	1037	1054	5998	7606	5241	3848	3231
MEAN	37.5	32.4	35.7	32.4	31.1	33.5	35.1	193	254	169	124	108
AC-FT	2300	1930	2200	1990	1790	2060	2090	11900	15090	10400	7630	6410
MAX	46	39	43	38	38	41	54	459	491	560	379	514
MIN	31	25	31	22	12	29	29	35	121	64	52	29
CAL YR 1995 TOTAL		146025	MEAN	400	MAX	3130	MIN	25	AC-FT	289600		
WTR YR 1996 TOTAL		33164	MEAN	90.6	MAX	560	MIN	12	AC-FT	65780		

MAX DISCH 934 CFS AT 2330 15-SEP-1996 GH 2.39 FT. SHIFT 0.07 FT. MAX GH 2.39 FT. AT 2330 15-SEP-1996

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



## PLATTE RIVER BASIN

06709610 SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR, CO

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

**DRAINAGE AREA.**--3,018 mi<sup>2</sup>.

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

**REMARKS.**--The record is complete and reliable and is considered good. The satellite is the primary record with the recorder chart as back-up. Chart gage heights were use on October 1-5, 1995. Measurements were plotted against Rating No. 2 by computer. A hydrograph was plotted by computer. Station maintained and record developed by Rodger Burcher.

**RATING TABLE.**--PLACHACO2 USED FROM 01-OCT-1995 TO 30-SEP-1996

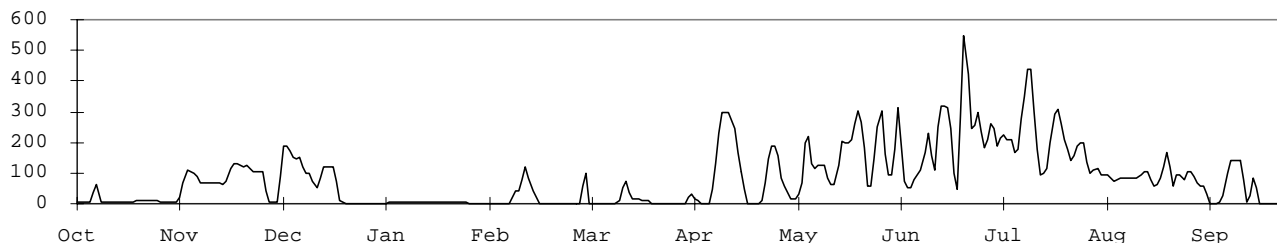
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	19	91	0.29	2.6	60	0.55	57	94	210	98	90
2	5.7	68	190	1.9	2.4	99	20	38	95	263	111	66
3	5.4	112	190	3.2	2.3	1.2	29	14	177	245	113	56
4	4.6	104	172	3.1	2.3	1.2	16	14	315	187	96	56
5	5.1	101	151	3.1	2.3	1.2	8.7	29	195	212	95	31
6	36	88	148	3.2	2.2	1.2	0.90	70	75	226	95	0.74
7	61	70	151	3.2	2.1	1.1	0.83	200	53	211	85	0.64
8	7.8	70	122	3.6	2.2	1.1	2.5	219	53	211	72	0.56
9	7.4	70	98	3.8	19	1.00	45	128	78	169	78	5.2
10	6.2	70	98	3.8	42	0.92	133	115	96	179	85	26
11	4.8	69	73	3.7	42	0.92	228	126	108	277	85	98
12	4.8	70	50	3.7	77	11	299	126	165	348	85	141
13	4.8	69	81	3.7	118	50	298	127	229	439	85	141
14	4.8	63	119	3.8	83	74	296	84	159	439	85	141
15	4.7	75	119	3.8	41	36	272	62	112	300	85	141
16	4.6	116	118	3.8	20	14	244	62	250	180	92	80
17	4.6	129	119	3.4	0.40	14	169	125	318	92	105	3.9
18	7.3	128	73	3.1	0.41	14	104	201	316	98	106	26
19	11	127	12	3.7	0.38	13	45	200	314	114	76	85
20	11	118	3.4	3.8	0.38	13	1.8	200	247	196	57	54
21	11	126	0.51	3.9	0.47	8.7	1.7	209	100	294	64	1.0
22	11	115	0.44	3.8	0.27	0.87	1.7	263	49	307	84	0.90
23	11	106	0.38	3.8	0.37	0.71	1.5	301	280	263	118	0.84
24	11	106	0.38	3.9	0.37	0.62	10	268	548	208	168	0.82
25	9.0	106	0.36	3.9	0.41	0.56	67	185	421	179	118	0.83
26	6.6	106	0.34	3.4	0.49	0.56	145	57	244	143	57	0.82
27	6.6	43	0.29	2.0	0.53	0.56	190	56	257	157	96	0.84
28	6.6	5.5	0.29	1.6	0.56	0.56	189	148	295	186	94	0.79
29	6.6	5.6	0.29	2.0	0.60	0.59	155	253	234	197	77	0.81
30	6.6	5.7	0.29	2.5	---	0.69	82	301	181	196	104	3.3
31	6.6	---	0.29	2.5	---	0.62	---	161	---	136	104	---
TOTAL	299.9	2460.8	2182.26	98.99	466.05	422.88	3056.17	4399	6058	6862	2873	1254.00
MEAN	9.67	82.0	70.4	3.19	16.1	13.6	102	142	202	221	92.7	41.8
AC-FT	595	4880	4330	196	924	839	6060	8730	12020	13610	5700	2490
MAX	61	129	190	3.9	118	99	299	301	548	439	168	141
MIN	4.6	5.5	0.29	0.29	0.27	0.56	0.55	14	49	92	57	0.56

CAL YR 1995 TOTAL 161665.92 MEAN 443 MAX 3280 MIN 0.29 AC-FT 320700  
WTR YR 1996 TOTAL 30433.05 MEAN 83.2 MAX 548 MIN 0.27 AC-FT 60360

MAX DISCH 608 CFS AT 1200 24-JUN-1996 GH 3.30 FT. SHIFT 0.03 FT. MAX GH 3.30 FT. AT 1200 24-JUN-1996

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



## PLATTE RIVER BASIN

06710500 BEAR CREEK AT MORRISON, CO

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

**DRAINAGE AREA.**--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. 20-31, 1995; Jan. 1-Feb. 27, 1996 and construction of new well and shelter Aug. 20-31; Sep. 1-17, 1995; Feb. 28-29; Mar. 1-3, 1996. The satellite record is the primary record. Record is rated as poor for periods of ice affect and missing record and rated as good for the period of reliable record. Station maintained and record developed by Rodger Burcher.

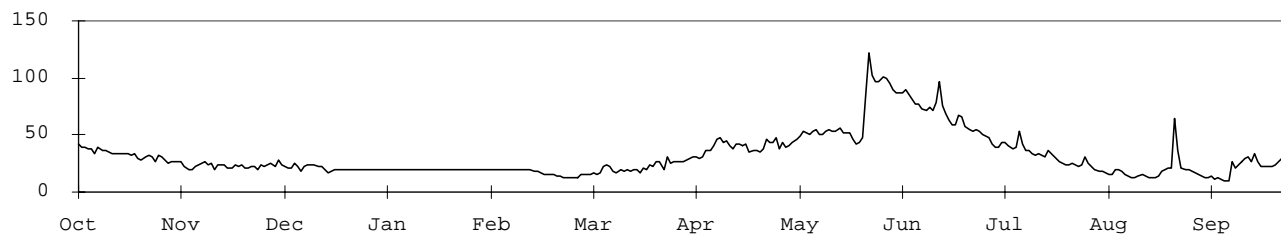
**RATING TABLE.**--BCRMORCO18 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	26	24	20	19	15	28	39	96	47	22	17
2	39	23	22	20	19	16	29	40	90	42	19	16
3	39	19	21	20	19	16	31	43	87	39	18	14
4	38	20	21	20	19	17	31	46	87	39	18	13
5	38	22	25	20	19	16	29	49	87	43	17	13
6	34	24	23	20	19	17	31	53	90	44	15	14
7	39	25	18	20	19	23	37	52	85	41	15	11
8	37	26	23	20	19	24	36	50	81	38	19	12
9	36	24	24	20	19	22	40	53	77	39	19	11
10	35	25	24	19	19	18	46	54	77	53	18	10
11	34	20	24	19	19	17	47	50	73	42	15	10
12	34	24	23	19	19	19	43	51	72	37	14	27
13	33	24	23	19	19	18	45	53	74	37	13	21
14	34	24	19	19	19	20	41	54	72	34	13	24
15	33	21	17	19	18	18	38	53	79	32	14	26
16	34	21	18	19	18	20	42	53	97	33	16	29
17	32	24	20	19	17	20	42	56	76	32	14	31
18	33	22	20	19	16	17	41	52	69	31	13	27
19	30	24	20	19	16	21	42	52	63	37	13	33
20	28	21	20	19	15	20	35	52	59	33	12	26
21	31	21	20	19	15	24	37	46	59	30	14	23
22	32	22	20	19	14	23	37	42	67	27	18	22
23	31	22	20	19	14	26	35	44	66	25	19	22
24	26	19	20	19	13	26	38	48	57	24	21	23
25	32	24	20	19	13	20	46	86	54	24	21	24
26	31	23	20	19	13	31	43	122	53	25	64	27
27	28	24	20	19	12	25	44	102	54	24	37	29
28	25	25	20	19	13	26	47	97	53	23	21	28
29	26	23	20	19	15	27	38	97	51	24	19	30
30	26	28	20	19	---	27	43	101	49	31	19	29
31	26	---	20	19	---	26	---	99	---	25	18	---
TOTAL	1016	690	649	598	488	655	1162	1889	2154	1055	588	642
MEAN	32.8	23.0	20.9	19.3	16.8	21.1	38.7	60.9	71.8	34.0	19.0	21.4
AC-FT	2020	1370	1290	1190	968	1300	2300	3750	4270	2090	1170	1270
MAX	42	28	25	20	19	31	47	122	97	53	64	33
MIN	25	19	17	19	12	15	28	39	49	23	12	10
CAL YR 1995 TOTAL		38037	MEAN	104	MAX	742	MIN	11	AC-FT	75450		
WTR YR 1996 TOTAL		11586	MEAN	31.7	MAX	122	MIN	10	AC-FT	22980		

MAX DISCH 166 CFS AT 1900 26-MAY-1996 GH 5.11 FT. SHIFT -0.17 FT. MAX GH 5.16 FT. AT 0215 19-SEP-1996

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



PLATTE RIVER BASIN

06711500 BEAR CREEK AT MOUTH, AT SHERIDAN, CO

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

**DRAINAGE AREA.**--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. 23-24, 27-28, 1995; Jan. 3, 5-8, 17-19, 21-31, 1996. The satellite record is the primary record. The following chart values were used: Dec. 17-22, 25-26, 29-31, 1995. Record is rated as good except for periods of missing record and ice affect which is rated as fair. A hydrograph was generated by computer. Measurements were plotted against rating No. 31 by computer. Station maintained and record developed by Rodger Burcher.

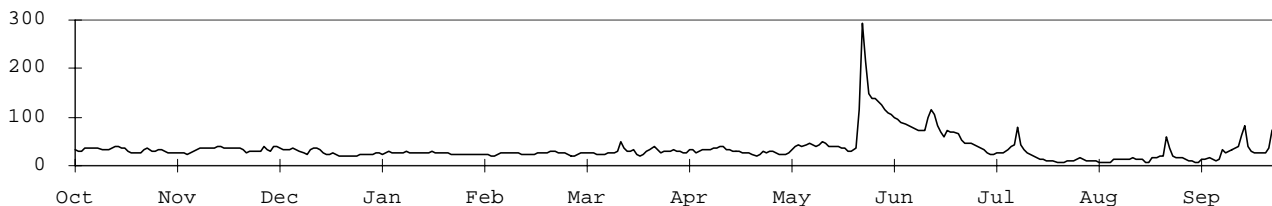
**RATING TABLE.**--BCRSHECO31 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	27	39	25	22	23	29	23	124	37	14	13
2	30	27	36	23	22	26	28	22	115	32	11	10
3	29	25	34	27	22	26	26	24	108	26	9.7	8.5
4	36	23	32	29	21	26	33	26	106	24	8.7	7.8
5	37	25	33	28	20	26	34	33	100	23	9.0	7.5
6	37	31	36	25	24	26	28	40	95	28	7.4	13
7	35	33	34	25	25	23	29	43	90	27	6.4	14
8	37	36	29	28	26	23	32	40	85	25	6.9	16
9	34	35	25	29	27	24	32	42	81	33	8.0	14
10	33	37	22	28	28	26	34	47	78	39	12	11
11	32	36	32	26	26	27	36	43	76	44	14	13
12	37	35	37	26	25	27	37	40	72	79	14	34
13	38	40	35	27	24	31	40	44	71	43	14	27
14	38	40	34	27	24	49	39	49	71	32	14	31
15	36	37	28	27	24	35	34	46	99	28	14	33
16	35	36	23	28	24	29	32	39	117	24	15	35
17	31	36	24	29	24	31	31	39	106	21	13	39
18	28	36	28	27	25	33	30	41	82	16	13	62
19	28	35	24	25	26	23	31	38	69	12	12	82
20	27	36	20	26	25	20	28	37	59	12	7.7	38
21	27	32	19	26	27	22	25	37	71	11	7.4	29
22	34	28	20	25	30	29	25	31	69	10	16	27
23	35	30	20	24	29	34	24	29	70	8.6	18	26
24	29	30	21	23	26	40	21	35	65	7.8	20	25
25	30	30	21	22	26	34	23	114	52	8.1	19	25
26	32	31	23	22	25	25	29	295	47	7.3	60	36
27	32	41	23	22	23	29	27	214	45	8.3	35	74
28	31	33	22	22	21	29	31	149	46	8.5	20	83
29	28	30	23	23	21	30	29	140	43	11	18	78
30	25	38	24	24	---	32	25	137	39	12	18	85
31	26	---	25	24	---	30	---	133	---	15	16	---
TOTAL	999	989	846	792	712	888	902	2070	2351	712.6	471.2	996.8
MEAN	32.2	33.0	27.3	25.5	24.6	28.6	30.1	66.8	78.4	23.0	15.2	33.2
AC-FT	1980	1960	1680	1570	1410	1760	1790	4110	4660	1410	935	1980
MAX	38	41	39	29	30	49	40	295	124	79	60	85
MIN	25	23	19	22	20	20	21	22	39	7.3	6.4	7.5
CAL YR 1995 TOTAL	46932.7		MEAN	129	MAX	942	MIN	4.4	AC-FT	93090		
WTR YR 1996 TOTAL	12729.6		MEAN	34.8	MAX	295	MIN	6.4	AC-FT	25250		

MAX DISCH 838 CFS AT 1945 12-JUL-1996 GH 4.97 FT. SHIFT -0.05 FT. MAX GH 4.97 FT. AT 1945 12-JUL-1996

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



PLATTE RIVER BASIN

06714000 SOUTH PLATTE RIVER AT DENVER, CO

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

**DRAINAGE AREA.**--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: Oct. 1-12, 16-21; Nov. 7, 1995. There were periodic problems with the chart recorder during the water year. Chart was used to validate the satellite record where found to be reliable. Station maintained and record developed by Rodger Burcher.

**RATING TABLE.**--PLADENCO31 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	94	103	96	73	93	104	141	345	307	194	213
2	148	112	268	98	73	218	91	134	316	346	192	179
3	132	173	269	138	75	117	102	105	311	359	209	156
4	184	177	269	119	84	98	142	99	487	278	192	148
5	160	176	234	98	93	93	222	108	461	290	184	149
6	160	181	238	101	88	93	120	115	312	334	182	200
7	200	162	238	107	84	94	102	224	271	319	181	145
8	158	154	230	156	89	89	98	328	259	320	184	123
9	129	163	177	123	87	90	105	351	256	435	160	110
10	122	195	169	110	101	92	170	375	293	377	171	110
11	117	180	178	98	116	91	287	248	282	363	168	309
12	119	178	148	97	116	89	378	227	315	671	171	511
13	121	187	145	93	179	138	427	231	452	788	174	295
14	124	185	208	96	185	509	408	209	404	569	188	312
15	120	168	210	96	123	224	374	166	705	420	179	320
16	98	217	203	95	119	146	326	162	535	354	215	281
17	90	244	202	95	98	125	305	167	546	192	192	225
18	86	243	200	88	91	130	193	296	501	201	182	510
19	88	234	116	94	91	110	179	308	475	247	183	950
20	98	228	97	93	92	107	116	305	441	295	143	343
21	100	234	89	90	113	94	112	334	394	357	144	193
22	179	225	91	84	97	103	109	340	310	390	510	157
23	186	204	94	78	91	104	102	427	317	362	478	143
24	127	201	82	76	94	154	87	398	620	291	301	152
25	114	200	74	77	97	118	82	844	597	316	287	149
26	108	202	89	76	98	98	192	1780	398	229	290	237
27	110	273	90	77	99	93	264	589	357	234	351	352
28	104	136	90	86	92	95	296	446	459	267	261	228
29	101	104	89	83	96	98	278	489	409	303	180	201
30	96	106	91	78	---	104	189	577	311	315	229	192
31	96	---	88	75	---	103	---	457	---	280	224	---
TOTAL	3937	5536	4869	2971	2934	3910	5960	10980	12139	10809	6899	7593
MEAN	127	185	157	95.8	101	126	199	354	405	349	223	253
AC-FT	7810	10980	9660	5890	5820	7760	11820	21780	24080	21440	13680	15060
MAX	200	273	269	156	185	509	427	1780	705	788	510	950
MIN	86	94	74	75	73	89	82	99	256	192	143	110
CAL YR 1995 TOTAL		255602	MEAN	700	MAX	3980	MIN	59	AC-FT	507000		
WTR YR 1996 TOTAL		78537	MEAN	215	MAX	1780	MIN	73	AC-FT	155800		

MAX DISCH 3753 CFS AT 2345 12-JUL-1996 GH 7.40 FT. SHIFT 0.00 FT. MAX GH 7.40 FT. AT 2345 12-JUL-1996

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

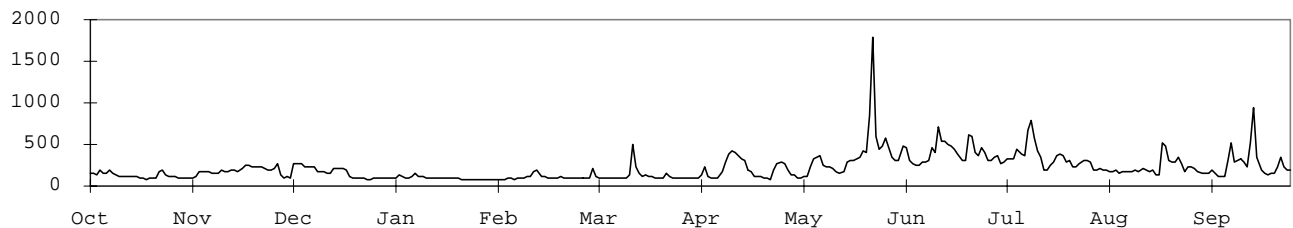


PLATE RIVER BASIN

STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL (1995)

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

DRAINAGE AREA.--Eisenhower Tunnel seepage.

GAGE.--12 in. Parshall Flume.

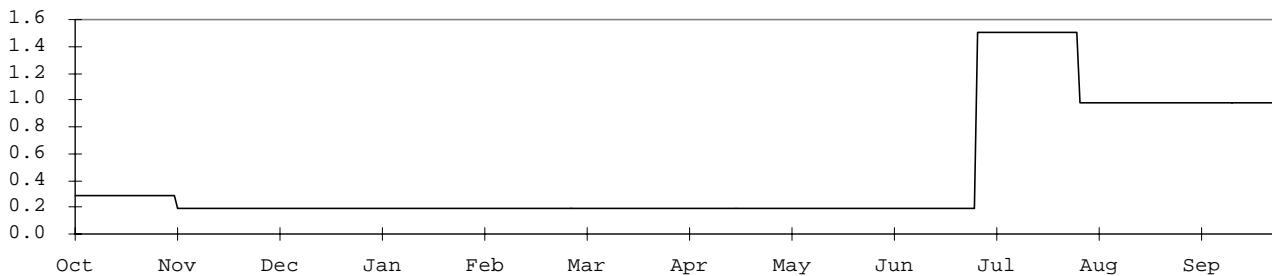
REMARKS.--User supplied information. Flow represents average daily flows for month.

RATING TABLE.--STCTUNCO01 USED FROM 01-OCT-1994 TO 30-SEP-1995

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
2	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
3	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
4	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
5	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
6	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
7	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
8	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
9	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
10	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
11	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
12	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
13	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
14	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
15	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
16	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
17	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
18	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
19	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
20	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
21	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
22	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
23	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
24	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
25	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
26	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
27	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
28	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
29	0.29	0.19	0.19	0.19	---	0.19	0.19	0.19	0.19	1.5	0.98	0.98
30	0.29	0.19	0.19	0.19	---	0.19	0.19	0.19	0.19	1.5	0.98	0.98
31	0.29	---	0.19	0.19	---	0.19	---	0.19	---	1.5	0.98	---
TOTAL	8.99	5.70	5.89	5.89	5.32	5.89	5.70	5.89	5.70	46.5	30.38	29.40
MEAN	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.50	0.98	0.98
AC-FT	18	11	12	12	11	12	11	12	11	92	60	58
MAX	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
MIN	0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.5	0.98	0.98
CAL YR 1994 TOTAL	20.58		MEAN	0.06	MAX	0.29	MIN	0.19	AC-FT	41		
WTR YR 1995 TOTAL	161.25		MEAN	0.44	MAX	1.5	MIN	0.19	AC-FT	320		

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



## PLATE RIVER BASIN

## STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL (1996)

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

DRAINAGE AREA.--Eisenhower Tunnel seepage.

GAGE.--12 in. Parshall Flume.

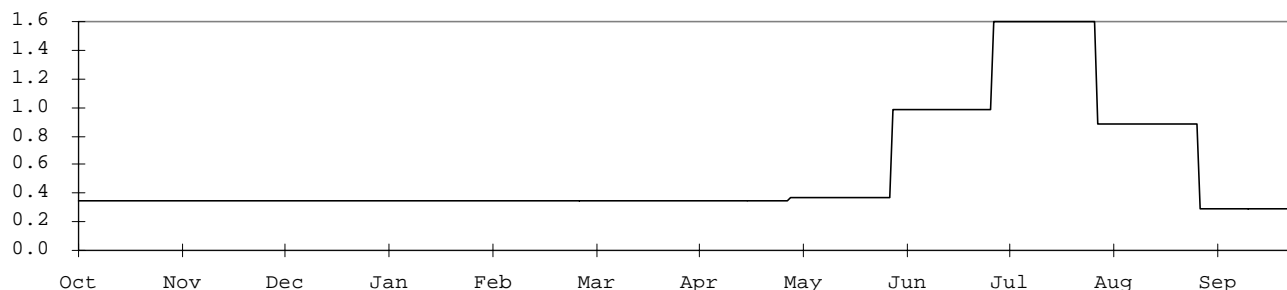
REMARKS.--User supplied information. Flow represents average daily flows for month.

RATING TABLE.--STCTUNCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
2	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
3	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
4	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
5	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
6	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
7	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
8	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
9	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
10	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
11	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
12	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
13	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
14	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
15	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
16	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
17	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
18	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
19	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
20	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
21	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
22	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
23	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
24	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
25	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
26	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
27	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
28	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
29	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
30	0.35	0.35	0.35	0.35	---	0.35	0.35	0.37	0.99	1.6	0.88	0.29
31	0.35	---	0.35	0.35	---	0.35	---	0.37	---	1.6	0.88	---
TOTAL	10.85	10.50	10.85	10.85	10.15	10.85	10.50	11.47	29.70	49.6	27.28	8.70
MEAN	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.60	0.88	0.29
AC-FT	22	21	22	22	20	22	21	23	59	98	54	17
MAX	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
MIN	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.37	0.99	1.6	0.88	0.29
CAL YR 1995 TOTAL		172.87	MEAN	0.47	MAX	1.5	MIN	0.19	AC-FT	343		
WTR YR 1996 TOTAL		201.30	MEAN	0.55	MAX	1.6	MIN	0.29	AC-FT	399		

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



## PLATTE RIVER BASIN

06720000 CLEAR CREEK AT DERBY, CO

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

**DRAINAGE AREA.**--575 mi<sup>2</sup>.

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

**REMARKS.**--The record is complete and reliable except for Jan. 23-Mar. 12, 1996 when control and well were frozen. The stage-discharge relation was affected by ice on Jan. 18-20; Mar. 13-16, 1996. The satellite record is the primary record. Chart values were used Oct. 22, 29, 1995; June 25, 1996. Station maintained and record developed by Rodger Burcher.

**RATING TABLE.**--CLEDERCO33 USED FROM 01-OCT-1995 TO 30-SEP-1996

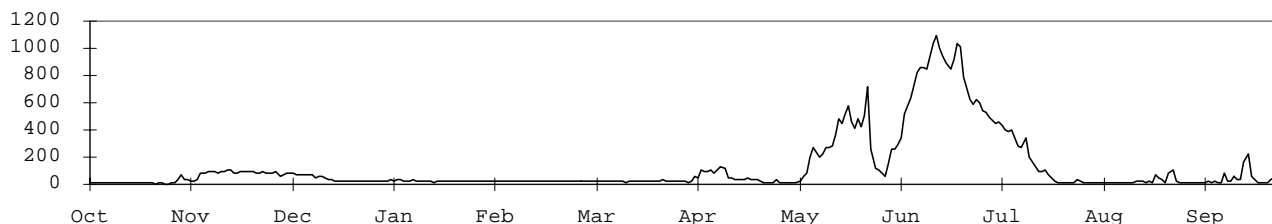
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	21	81	32	25	19	15	8.9	156	524	9.4	9.8
2	9.4	22	78	27	25	19	23	9.4	264	500	9.3	11
3	7.9	39	73	35	25	19	59	11	262	471	8.9	9.0
4	8.8	78	70	31	26	19	52	14	290	443	8.9	6.1
5	7.1	87	72	29	26	19	105	23	339	454	7.4	6.4
6	8.2	93	69	25	26	18	100	59	521	435	7.4	9.6
7	8.5	93	69	28	26	18	95	82	582	402	9.1	28
8	8.6	90	67	37	26	18	101	204	630	384	12	15
9	9.1	85	45	28	26	18	88	268	734	399	9.3	18
10	8.8	97	58	25	26	18	110	240	829	346	7.9	9.7
11	8.8	92	60	25	25	18	135	204	856	282	8.6	14
12	7.8	103	51	23	25	18	115	227	864	273	7.8	77
13	8.2	105	40	18	24	16	52	275	851	336	9.4	27
14	9.6	85	39	17	24	18	49	276	937	198	9.4	23
15	8.9	81	28	18	24	19	39	283	1040	170	14	54
16	8.6	91	23	20	23	20	34	362	1090	130	27	34
17	7.8	97	20	22	23	23	35	483	1000	97	19	39
18	7.0	93	25	20	23	24	37	452	938	96	18	163
19	12	90	26	21	22	22	45	516	889	104	16	218
20	9.4	92	25	23	22	22	39	571	850	67	24	64
21	5.5	80	24	24	22	22	40	461	916	44	14	31
22	14	81	24	25	21	22	40	412	1040	22	65	14
23	11	89	24	22	21	22	19	485	1010	16	42	15
24	4.4	85	22	22	21	36	17	421	789	14	35	15
25	4.8	85	21	23	20	24	11	501	701	17	15	16
26	5.9	81	20	23	20	25	15	723	620	17	87	34
27	10	94	23	23	20	25	8.2	254	589	14	107	47
28	38	64	24	24	20	25	32	118	621	12	23	9.8
29	66	67	23	24	19	25	17	107	603	30	15	6.8
30	33	86	23	24	---	26	8.5	84	544	29	8.8	10
31	35	---	27	24	---	23	---	62	---	11	6.9	---
TOTAL	405.1	2446	1274	762	676	660	1535.7	8196.3	21355	6337	661.5	1034.2
MEAN	13.1	81.5	41.1	24.6	23.3	21.3	51.2	264	712	204	21.3	34.5
AC-FT	804	4850	2530	1510	1340	1310	3050	16260	42360	12570	1310	2050
MAX	66	105	81	37	26	36	135	723	1090	524	107	218
MIN	4.4	21	20	17	19	16	8.2	8.9	156	11	6.9	6.1

CAL YR 1995 TOTAL 91631.2 MEAN 251 MAX 2280 MIN 2.1 AC-FT 181800  
WTR YR 1996 TOTAL 45342.8 MEAN 124 MAX 1090 MIN 4.4 AC-FT 89940

MAX DISCH 1468 CFS AT 1400 26-MAY-1996 GH 3.42 FT. SHIFT 0.17 FT. MAX GH 3.42 FT. AT 1400 26-MAY-1996

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





## PLATTE RIVER BASIN

06720500 SOUTH PLATTE RIVER AT HENDERSON, CO

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

**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. Chart values were used on Oct. 4, 10, 14-26, 1995; Mar. 28-31; Apr. 1-2; Aug. 2-7, 1996. Record is complete and reliable except for Mar. 27, 1995 when satellite record was absent and the recorder clock had stopped and Apr 4, 9-11, 20-21, 1996 when the stilling well was isolated for a few hours on those days. Estimates were made on the basis of existing chart records. Record is rated as good. Station maintained and record developed by Rodger Burcher.

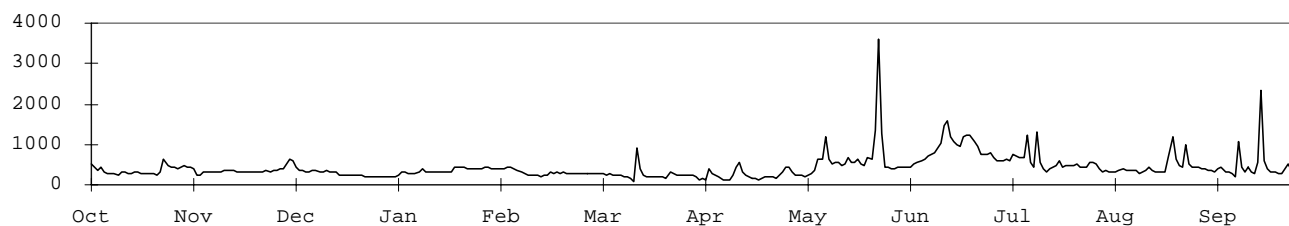
**RATING TABLE** --PLAHENCO29 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	521	381	584	209	406	288	200	250	419	613	401	411
2	423	245	439	244	401	281	110	245	449	590	335	388
3	372	251	360	306	404	288	152	227	448	575	341	367
4	434	304	346	316	422	268	130	214	447	627	324	352
5	313	319	335	287	451	254	409	224	427	605	330	317
6	266	335	330	285	404	262	281	280	517	739	324	396
7	268	328	349	289	340	250	218	343	563	712	341	420
8	267	326	338	334	329	237	196	626	595	692	379	324
9	257	333	303	392	289	229	121	645	650	687	344	298
10	324	360	335	334	233	217	105	1190	724	1240	357	258
11	304	358	349	306	220	188	122	623	748	545	361	214
12	281	350	323	321	227	155	221	502	777	445	339	1080
13	273	351	300	312	221	89	431	556	911	1320	294	436
14	308	316	302	309	216	929	558	562	1030	563	306	317
15	303	310	257	314	220	382	299	486	1480	390	337	423
16	276	311	243	316	252	239	225	512	1590	303	426	307
17	271	320	230	308	301	209	186	681	1170	410	351	290
18	266	315	239	317	291	204	174	570	1060	454	320	552
19	266	308	246	416	305	201	155	567	979	481	327	2320
20	271	325	230	453	296	182	102	648	954	591	322	592
21	252	317	229	440	310	189	143	527	1200	441	316	386
22	319	315	225	432	276	196	207	495	1230	462	672	307
23	638	338	211	411	288	168	209	676	1240	468	1180	299
24	484	323	206	409	295	302	195	647	1050	461	633	281
25	428	345	195	409	290	297	173	1350	934	525	473	285
26	416	346	200	398	287	243	243	3600	760	438	418	397
27	402	390	215	412	287	232	334	1270	748	421	985	530
28	441	396	207	435	285	223	420	443	761	440	500	367
29	467	533	210	431	289	218	429	432	777	552	453	333
30	428	644	196	412	---	227	319	405	655	556	446	333
31	422	---	201	402	---	225	---	397	---	498	434	---
TOTAL	10961	10393	8733	10959	8835	7872	7067	20193	25293	17844	13369	13580
MEAN	354	346	282	354	305	254	236	651	843	576	431	453
AC-FT	21740	20610	17320	21740	17520	15610	14020	40050	50170	35390	26520	26940
MAX	638	644	584	453	451	929	558	3600	1590	1320	1180	2320
MIN	252	245	195	209	216	89	102	214	419	303	294	214
CAL YR 1995 TOTAL		391852	MEAN	1074	MAX	6500	MIN	55	AC-FT	777200		
WTR YR 1996 TOTAL		155099	MEAN	424	MAX	3600	MIN	89	AC-FT	307600		

MAX DISCH 7556 CFS AT 1630 26-MAY-1996 GH 8.22 FT. SHIFT -0.08 FT. MAX GH 8.22 FT. AT 1630 26-MAY-1996

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



## 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 Nov. 24-26, 1995; Jan. 17, 20-31; Feb. 1-23, 28; Mar. 2-6, 1996 when satellite system had missing data. Station maintained and record developed by Rodger Burcher.

RATING TABLE.--PLALUPCO21 USED FROM 01-OCT-1995 TO 30-SEP-1996

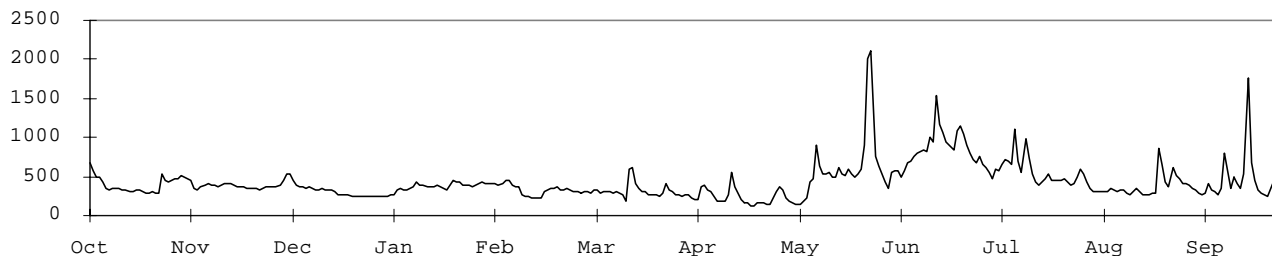
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	677	460	533	262	405	301	270	226	348	609	428	383
2	566	350	442	266	403	294	225	175	556	561	340	348
3	494	336	389	327	394	325	211	170	584	478	306	320
4	482	364	375	352	420	330	211	143	566	596	310	286
5	436	390	369	336	456	297	364	148	498	565	307	275
6	355	406	358	332	456	304	384	185	570	650	312	280
7	338	395	360	342	397	304	332	219	678	716	316	404
8	346	384	351	361	375	313	303	424	693	696	341	337
9	357	378	323	431	367	292	240	478	751	655	324	299
10	339	395	338	399	268	309	191	897	806	1110	314	267
11	336	417	356	382	253	295	179	641	823	706	322	356
12	330	406	333	371	241	266	186	523	834	551	319	801
13	317	414	327	369	233	177	261	542	827	993	286	578
14	314	383	320	376	225	603	549	554	1010	733	269	349
15	325	363	299	381	218	619	364	497	948	531	302	486
16	327	359	271	368	229	412	285	487	1540	432	353	416
17	308	359	261	358	301	343	197	608	1160	393	315	357
18	295	352	270	319	334	315	170	535	1070	432	262	541
19	287	342	269	391	346	301	154	517	945	467	260	1760
20	299	350	251	445	348	272	125	591	886	535	267	672
21	286	342	251	440	360	267	121	536	842	453	277	446
22	280	331	252	423	334	273	164	482	1090	443	278	333
23	541	341	241	398	325	241	173	540	1140	441	865	297
24	454	360	246	399	341	281	155	602	1040	446	661	261
25	438	361	250	398	322	404	150	900	900	469	437	244
26	452	372	236	371	312	318	141	2010	797	440	364	350
27	469	371	255	389	313	298	231	2110	719	387	614	459
28	468	388	252	413	293	266	316	758	684	406	508	415
29	507	451	256	428	309	262	376	634	752	484	466	342
30	482	532	247	408	---	256	320	523	665	585	417	405
31	469	---	253	403	---	266	---	426	---	531	408	---
TOTAL	12374	11452	9534	11638	9578	9804	7348	18081	24722	17494	11548	13067
MEAN	399	382	308	375	330	316	245	583	824	564	373	436
AC-FT	24540	22720	18910	23080	19000	19450	14570	35860	49040	34700	22910	25920
MAX	677	532	533	445	456	619	549	2110	1540	1110	865	1760
MIN	280	331	236	262	218	177	121	143	348	387	260	244

CAL YR 1995 TOTAL 388275 MEAN 1064 MAX 7200 MIN 54 AC-FT 770100  
WTR YR 1996 TOTAL 156640 MEAN 428 MAX 2110 MIN 121 AC-FT 310700

MAX DISCH 47440 CFS AT 1300 17-JAN-1996 GH 14.40 FT. SHIFT 0.26 FT. MAX GH 14.40 FT. AT 1300 17-JAN-1996

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



## PLATTE RIVER BASIN

SOUTH ST. VRAIN NEAR CREEK WARD, CO

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

DRAINAGE AREA.--

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

REMARKS.--Record is complete and reliable except for the following periods: Nov. 8, 1995 when ice layer in well and closed station; Nov. 9, 1995-May 7, 1996 when station closed for winter; May 8, 1996 partial day record when station was opened. The stage-discharge relation was affected by ice on the control on Nov. 1-2, 4-7, 1995. Graphic chart record was used on Oct. 13-14, 16-20, 22, 24-25, 1995; May 11-14; June 11, 25; Aug. 12-19, 1996. This is a partial year record. Station maintained and record developed by Fred Renner.

RATING TABLE.--SSVWARCO09 USED FROM 01-OCT-1995 TO 30-SEP-1996

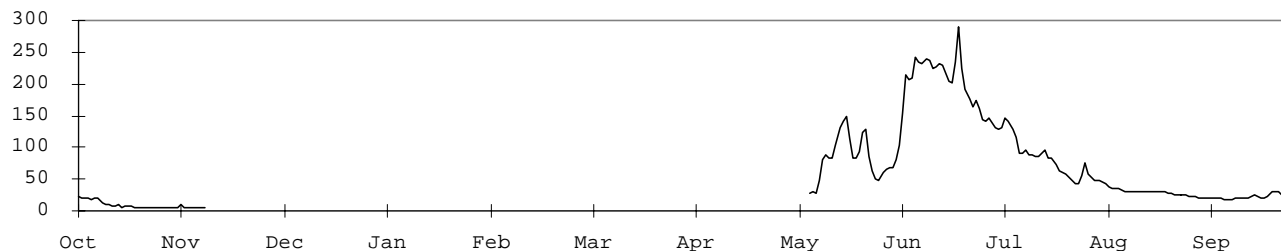
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	9.1	---	---	---	---	---	---	68	147	52	22
2	21	6.0	---	---	---	---	---	---	68	139	49	21
3	20	6.0	---	---	---	---	---	---	80	132	49	20
4	21	5.5	---	---	---	---	---	---	104	128	46	19
5	18	5.5	---	---	---	---	---	---	155	131	42	19
6	21	5.0	---	---	---	---	---	---	214	146	38	21
7	19	4.5	---	---	---	---	---	---	206	142	36	21
8	13	4.5	---	---	---	---	---	27	208	129	36	20
9	9.9	---	---	---	---	---	---	29	242	115	35	19
10	9.0	---	---	---	---	---	---	28	234	91	33	18
11	8.5	---	---	---	---	---	---	48	231	92	31	18
12	8.5	---	---	---	---	---	---	80	239	95	30	18
13	9.1	---	---	---	---	---	---	88	237	87	30	19
14	6.3	---	---	---	---	---	---	83	225	88	31	19
15	7.7	---	---	---	---	---	---	84	228	86	30	21
16	7.4	---	---	---	---	---	---	104	231	86	31	21
17	6.5	---	---	---	---	---	---	131	229	91	31	21
18	6.2	---	---	---	---	---	---	140	218	95	29	22
19	5.7	---	---	---	---	---	---	148	203	82	30	24
20	4.2	---	---	---	---	---	---	113	202	82	30	22
21	4.4	---	---	---	---	---	---	83	234	73	30	21
22	5.7	---	---	---	---	---	---	84	291	64	31	20
23	4.7	---	---	---	---	---	---	94	225	60	30	23
24	5.5	---	---	---	---	---	---	123	191	57	28	31
25	5.3	---	---	---	---	---	---	128	177	54	27	30
26	5.1	---	---	---	---	---	---	85	165	47	26	31
27	5.0	---	---	---	---	---	---	62	173	44	26	26
28	5.2	---	---	---	---	---	---	50	161	44	25	23
29	4.9	---	---	---	---	---	---	48	144	56	24	23
30	5.1	---	---	---	---	---	---	61	142	75	23	24
31	5.2	---	---	---	---	---	---	66	---	59	23	---
TOTAL	301.1								5725	2817	1012	657
MEAN	9.71								191	90.9	32.6	21.9
AC-FT	597								11360	5590	2010	1300
MAX	23								291	147	52	31
MIN	4.2								68	44	23	18

CAL YR 1995 TOTAL	MEAN	MAX	MIN	AC-FT
WTR YR 1996 TOTAL	10512.1	28.7	291	4.2

MAX DISCH 331 CFS AT 0200 22-JUN-1996 GH 3.16 FT. SHIFT -0.11 FT. MAX GH 3.16 FT. AT 0200 22-JUN-1996

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



## PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--

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

REMARKS.--Record is complete and reliable except for the following periods: Oct. 21-24, 1995 when float was frozen in well; Oct. 25, 1995-May 7, 1996 when station was closed for winter; May 8-12 when ice slab in well; May 13, 1996 partial record when free of ice. The record is good, except for period of no gage-height record and ice effect, which is fair. Station maintained and record developed by Fred Renner.

RATING TABLE.--LEFTHDCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

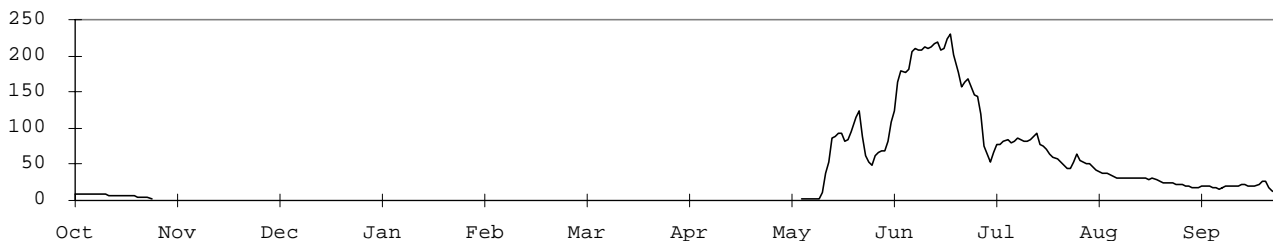
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	---	---	---	---	---	---	---	68	120	52	20
2	8.5	---	---	---	---	---	---	---	69	75	50	20
3	8.5	---	---	---	---	---	---	---	82	64	50	18
4	8.5	---	---	---	---	---	---	---	108	53	47	18
5	8.5	---	---	---	---	---	---	---	124	67	43	18
6	7.8	---	---	---	---	---	---	---	164	78	39	20
7	8.1	---	---	---	---	---	---	---	180	77	38	21
8	8.1	---	---	---	---	---	---	1.4	178	82	37	19
9	8.1	---	---	---	---	---	---	1.4	181	85	36	17
10	8.1	---	---	---	---	---	---	1.4	206	80	34	17
11	7.5	---	---	---	---	---	---	1.4	210	81	31	16
12	7.5	---	---	---	---	---	---	1.4	209	87	30	18
13	7.5	---	---	---	---	---	---	3.0	208	84	30	19
14	5.8	---	---	---	---	---	---	12	212	82	30	19
15	6.1	---	---	---	---	---	---	37	210	82	30	21
16	5.8	---	---	---	---	---	---	53	213	84	30	20
17	5.8	---	---	---	---	---	---	86	217	89	30	20
18	5.8	---	---	---	---	---	---	88	220	93	30	22
19	5.8	---	---	---	---	---	---	92	207	77	30	23
20	4.9	---	---	---	---	---	---	92	210	76	30	21
21	4.7	---	---	---	---	---	---	82	224	70	29	20
22	4.5	---	---	---	---	---	---	84	230	64	30	19
23	3.5	---	---	---	---	---	---	95	202	60	29	22
24	2.5	---	---	---	---	---	---	115	178	57	26	26
25	---	---	---	---	---	---	---	124	156	54	25	26
26	---	---	---	---	---	---	---	88	163	48	25	18
27	---	---	---	---	---	---	---	63	168	45	25	13
28	---	---	---	---	---	---	---	52	157	44	25	12
29	---	---	---	---	---	---	---	49	145	52	23	12
30	---	---	---	---	---	---	---	62	144	64	22	8.2
31	---	---	---	---	---	---	---	66	---	55	22	---
TOTAL									5243	2229	1008	563.2
MEAN									175	71.9	32.5	18.8
AC-FT									10400	4420	2000	1120
MAX									230	120	52	26
MIN									68	44	22	8.2

CAL YR 1995 TOTAL		MEAN		MAX		MIN		AC-FT	
WTR YR 1996 TOTAL	9043.2	MEAN	24.7	MAX	230	MIN	8.2	AC-FT	17940

MAX DISCH 274 CFS AT 0300 22-JUN-1996 GH 2.59 FT. SHIFT -0.04 FT. MAX GH 2.59 FT. AT 0300 22-JUN-1996

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



PLATTE RIVER BASIN

BEAVER CREEK ABOVE BEAVER RESERVOIR

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

DRAINAGE AREA.--

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

REMARKS.--Record is complete and reliable except for the following periods: Partial record on Oct. 24, 1995 when station was closed; Oct. 25, 1995-May 7, 1996 when station was closed for winter; partial record on May 8, 1996 when station was opened. The record is good, except for periods of no gage-height record and ice affected days which are fair. Station maintained and record developed by Fred Renner.

RATING TABLE.-- BEAVERCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

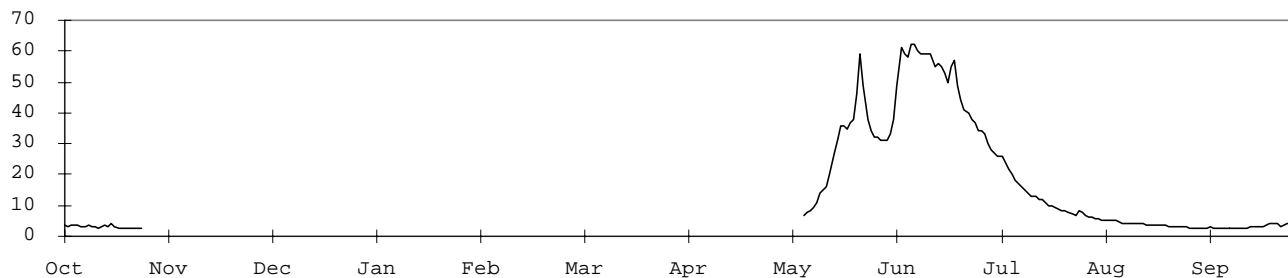
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	---	---	---	---	---	---	---	31	33	6.2	2.7
2	3.2	---	---	---	---	---	---	---	31	30	6.0	2.7
3	3.4	---	---	---	---	---	---	---	33	28	5.9	2.6
4	3.5	---	---	---	---	---	---	---	38	27	5.9	2.6
5	3.4	---	---	---	---	---	---	---	49	26	5.3	2.6
6	3.2	---	---	---	---	---	---	---	61	26	5.0	3.0
7	3.2	---	---	---	---	---	---	---	59	24	5.0	2.8
8	3.4	---	---	---	---	---	---	6.5	58	22	5.2	2.6
9	3.2	---	---	---	---	---	---	7.9	62	20	5.2	2.4
10	3.0	---	---	---	---	---	---	8.3	62	18	4.5	2.4
11	2.8	---	---	---	---	---	---	9.3	60	17	4.2	2.4
12	3.2	---	---	---	---	---	---	11	59	16	4.1	2.4
13	3.4	---	---	---	---	---	---	14	59	15	4.1	2.8
14	3.1	---	---	---	---	---	---	15	59	14	4.1	2.6
15	4.0	---	---	---	---	---	---	16	59	13	4.1	2.6
16	3.1	---	---	---	---	---	---	20	55	13	3.9	2.5
17	2.8	---	---	---	---	---	---	27	56	12	3.9	2.7
18	2.7	---	---	---	---	---	---	31	55	12	3.6	3.1
19	2.7	---	---	---	---	---	---	36	53	11	3.6	3.0
20	2.6	---	---	---	---	---	---	36	50	10	3.5	3.1
21	2.7	---	---	---	---	---	---	35	55	10	3.5	3.1
22	2.8	---	---	---	---	---	---	37	57	9.3	3.6	3.2
23	2.5	---	---	---	---	---	---	38	49	9.0	3.4	3.4
24	2.5	---	---	---	---	---	---	46	44	8.5	3.4	4.2
25	---	---	---	---	---	---	---	59	41	8.3	3.2	3.9
26	---	---	---	---	---	---	---	49	40	7.7	3.2	3.9
27	---	---	---	---	---	---	---	38	38	7.5	3.2	3.2
28	---	---	---	---	---	---	---	34	37	7.0	3.2	3.6
29	---	---	---	---	---	---	---	32	34	8.3	3.1	4.1
30	---	---	---	---	---	---	---	32	34	7.7	3.0	4.1
31	---	---	---	---	---	---	---	31	---	6.8	2.8	---
TOTAL									1478	477.1	128.9	90.3
MEAN									49.3	15.4	4.16	3.01
AC-FT									2930	946	256	179
MAX									62	33	6.2	4.2
MIN									31	6.8	2.8	2.4

CAL YR 1995 TOTAL		MEAN		MAX		MIN		AC-FT	
WTR YR 1996 TOTAL	2174.3	MEAN	5.94	MAX	62	MIN	2.4	AC-FT	4310

MAX DISCH 66 CFS AT 0200 25-MAY-1996 GH 2.96 FT. SHIFT 0.04 FT. MAX GH 2.96 FT. AT 0200 25-MAY-1996

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



## PLATTE RIVER BASIN

06724000 ST. VRAIN CREEK AT LYONS, CO

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

**DRAINAGE AREA.**--212 mi<sup>2</sup>.

**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 Dec. 31, 1995; Jan. 1-10, 1996; June 25, 1996. Record is good. Station maintained and record developed by Fred Renner.

**RATING TABLE.**--SVCLYOCO20 USED FROM 01-OCT-1995 TO 30-SEP-1996

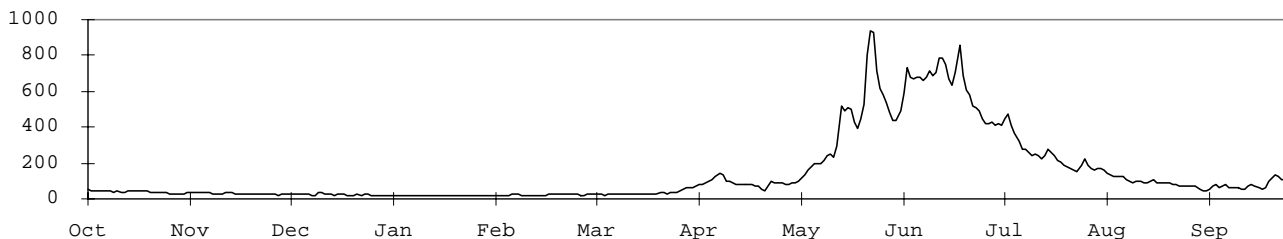
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	39	30	22	21	25	60	82	484	418	172	68
2	49	34	29	20	21	25	66	91	438	431	163	70
3	44	32	27	20	21	26	74	90	440	414	171	55
4	45	35	25	19	21	27	80	101	488	419	172	43
5	46	33	25	19	21	26	80	117	591	415	158	43
6	41	35	27	18	21	22	88	137	729	448	139	52
7	47	33	26	22	23	25	96	160	678	476	132	67
8	45	29	20	22	25	28	104	177	667	410	127	76
9	38	27	15	20	23	26	125	192	675	369	128	66
10	41	30	33	20	22	28	140	196	676	318	128	71
11	36	27	34	20	18	24	131	195	659	277	121	76
12	38	32	28	20	18	26	100	214	681	276	110	65
13	45	33	27	21	19	24	97	237	711	260	97	63
14	45	34	24	20	20	26	89	246	685	245	93	61
15	44	31	22	21	21	24	84	231	709	250	97	61
16	45	29	24	20	19	25	81	293	783	240	96	57
17	49	28	27	19	20	27	82	514	784	224	91	57
18	48	27	24	17	23	26	80	490	746	244	85	67
19	42	28	18	21	23	24	82	505	668	273	96	84
20	40	27	18	21	23	25	78	497	634	262	106	68
21	36	26	18	22	24	26	74	427	701	239	91	62
22	38	26	23	21	25	27	70	395	856	216	90	58
23	37	25	20	19	24	33	51	449	686	202	89	60
24	34	24	25	20	25	36	44	524	604	190	90	94
25	32	26	26	20	24	29	75	801	578	182	88	113
26	30	24	22	18	23	37	95	934	520	172	84	133
27	31	25	18	21	23	36	91	929	510	161	78	123
28	27	21	18	21	20	37	91	716	493	153	70	106
29	30	28	18	20	22	44	86	613	443	185	70	111
30	31	31	21	19	---	51	77	583	423	221	74	114
31	37	---	22	20	---	59	---	534	---	191	70	---
TOTAL	1245	879	734	623	633	924	2571	11670	18740	8781	3376	2244
MEAN	40.2	29.3	23.7	20.1	21.8	29.8	85.7	376	625	283	109	74.8
AC-FT	2470	1740	1460	1240	1260	1830	5100	23150	37170	17420	6700	4450
MAX	54	39	34	22	25	59	140	934	856	476	172	133
MIN	27	21	15	17	18	22	44	82	423	153	70	43

CAL YR 1995 TOTAL 78787 MEAN 216 MAX 1900 MIN 13 AC-FT 156300  
WTR YR 1996 TOTAL 52420 MEAN 143 MAX 934 MIN 15 AC-FT 104000

MAX DISCH 1120 CFS AT 1700 26-MAY-1996 GH 5.24 FT. SHIFT -0.09 FT. MAX GH 5.24 FT. AT 1700 26-MAY-1996

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



PLATTE RIVER BASIN

06725500 MIDDLE BOULDER CREEK AT NEDERLAND, CO

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

**DRAINAGE AREA.**--36.2 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 periods: Dec. 25-26, 31, 1995; Jan. 1-2, 22-23; Feb. 5-6, 12-13, 1996 when clock stopped. Stage-discharge relation affected by ice Dec. 14-15, 1995; Jan. 3, 20-21; Feb. 3-4, 28-29; Mar. 1, 7, 18, 1996. Graphic chart record was used on Oct. 1, 1995-Apr. 3, 1996; June 11, 21, 25; Sep. 11-12, 1996. The record is good, except for periods of no gage-height record and ice effect which is fair. Station maintained and record developed by Fred Renner.

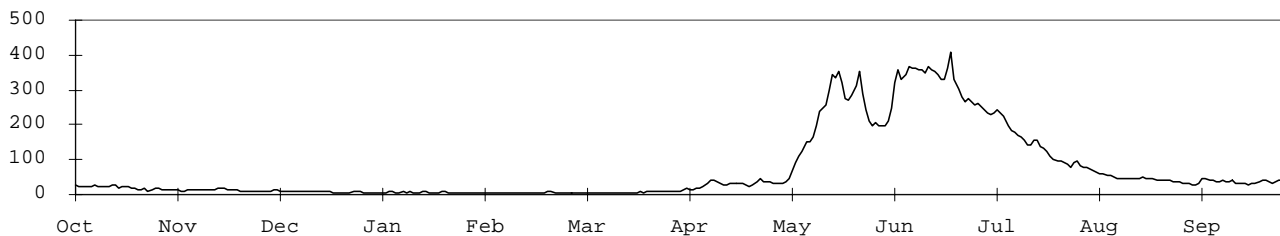
**RATING TABLE.**--BOCMIDCO07 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	16	12	6.0	5.9	5.3	11	31	198	252	79	32
2	25	11	11	6.0	5.9	5.6	14	33	196	244	76	30
3	24	11	10	6.5	5.9	5.7	17	36	212	235	75	29
4	25	14	9.4	6.9	5.9	5.7	16	47	247	230	71	29
5	22	14	9.3	7.0	5.9	5.9	16	71	321	233	65	32
6	23	14	9.5	6.5	6.0	5.9	17	94	360	244	60	48
7	27	13	10	6.8	5.9	5.9	19	110	332	234	58	45
8	24	12	8.7	7.1	6.1	5.8	24	126	344	223	55	41
9	22	12	9.0	6.7	5.9	5.7	33	150	366	199	57	39
10	22	15	9.1	6.9	5.9	5.7	39	153	362	183	52	37
11	24	12	8.7	6.5	5.7	5.7	40	164	364	181	48	36
12	26	14	8.5	6.7	5.3	6.3	35	199	358	171	47	39
13	26	17	8.9	6.7	5.3	6.3	32	239	356	165	45	37
14	20	20	8.5	6.9	5.9	6.3	29	249	348	158	44	36
15	23	17	8.5	6.9	6.1	6.4	29	257	368	144	45	40
16	22	15	8.0	6.6	6.3	6.1	30	297	359	143	46	32
17	21	13	7.5	6.7	6.1	5.7	32	346	353	156	45	31
18	20	12	6.1	6.5	6.1	6.5	31	336	345	155	47	31
19	19	12	6.3	6.7	6.3	6.1	30	354	331	139	52	32
20	13	11	6.5	7.0	6.5	7.1	30	321	331	134	48	29
21	16	11	6.5	7.0	6.9	6.3	28	277	362	123	44	31
22	17	11	6.5	6.5	6.9	6.9	25	271	406	111	44	32
23	10	10	6.7	6.5	6.3	7.3	26	284	329	101	42	36
24	16	11	8.5	6.3	6.8	7.5	35	312	304	97	40	40
25	18	10	8.0	6.3	6.3	7.5	45	355	282	95	39	40
26	19	10	7.0	6.5	6.1	7.4	38	289	267	91	39	38
27	15	8.0	6.2	6.7	6.1	7.3	36	242	277	85	39	34
28	15	8.1	6.3	6.3	5.7	7.3	35	211	268	77	37	36
29	14	10	6.3	6.1	5.3	7.9	33	199	256	92	36	39
30	14	13	5.9	6.1	---	8.7	30	205	260	96	35	41
31	15	---	6.0	6.0	---	9.5	---	198	---	84	33	---
TOTAL	623	377.1	249.4	203.9	175.3	203.3	855	6456	9462	4875	1543	1072
MEAN	20.1	12.6	8.05	6.58	6.04	6.56	28.5	208	315	157	49.8	35.7
AC-FT	1240	748	495	404	348	403	1700	12810	18770	9670	3060	2130
MAX	27	20	12	7.1	6.9	9.5	45	355	406	252	79	48
MIN	10	8.0	5.9	6.0	5.3	5.3	11	31	196	77	33	29
CAL YR 1995 TOTAL	29430.3		MEAN	80.6	MAX	556	MIN	3.0	AC-FT	58380		
WTR YR 1996 TOTAL	26095.0		MEAN	71.3	MAX	406	MIN	5.3	AC-FT	51760		

MAX DISCH 501 CFS AT 0045 22-JUN-1996 GH 3.33 FT. SHIFT -0.03 FT. MAX GH 3.33 FT. AT 0045 22-JUN-1996

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



## PLATTE RIVER BASIN

0672700 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 period: Feb. 1-5, 1996 when float was frozen in well. The stage-discharge relation was affected by ice on control Nov. 3-5, 28; Dec. 7-8, 17-18, 22-23, 1995; Jan. 4-9, 17-31; Feb. 1, 11-13, 16, 23-29; Mar. 1-11, 1996. Graphic chart record was used on Apr. 2-11; June 25; July 21, 1996. Record is good, except for periods of no gage-height record and ice affect, which is fair. Station maintained and record developed by Fred Renner.

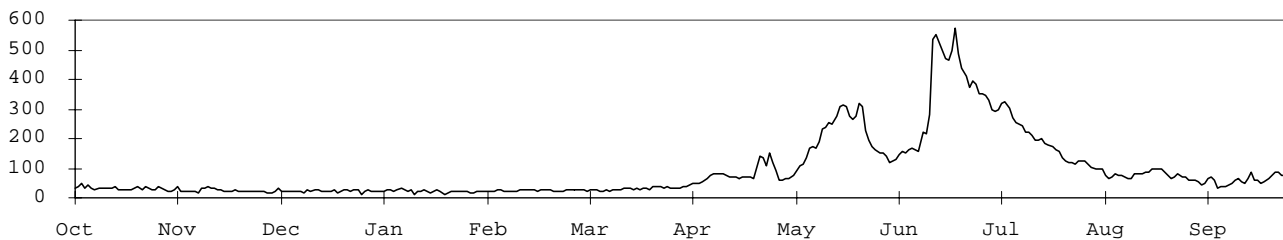
**RATING TABLE.**--BOCOROCO13 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	37	30	23	20	28	37	57	138	348	114	58
2	38	23	21	23	21	27	36	63	119	330	103	57
3	46	22	23	26	23	21	44	63	122	298	96	52
4	31	22	22	26	21	27	50	74	131	294	98	45
5	42	21	20	23	29	28	50	90	147	298	96	48
6	30	20	22	25	29	28	51	107	155	317	75	66
7	26	18	23	31	23	24	56	115	152	326	64	70
8	32	34	24	27	22	22	66	135	160	303	68	58
9	31	33	17	23	22	26	74	169	169	272	79	33
10	35	37	26	25	22	24	80	174	164	256	77	36
11	30	33	23	13	21	25	83	169	156	249	76	37
12	30	33	26	22	26	28	81	191	222	241	71	41
13	37	28	29	24	26	26	80	230	216	223	66	51
14	29	25	20	26	27	34	74	240	279	220	64	57
15	29	24	23	21	27	33	71	252	533	212	82	66
16	28	23	22	18	27	34	69	251	553	192	79	56
17	25	24	21	24	20	27	71	278	526	193	79	50
18	25	26	26	28	27	34	67	307	495	198	87	67
19	33	23	18	22	26	28	70	315	471	185	89	84
20	36	23	24	12	28	32	68	306	465	180	98	60
21	29	21	26	15	27	30	71	278	496	173	100	60
22	38	21	28	24	23	26	66	265	574	163	100	50
23	32	22	22	20	24	39	103	277	488	156	95	54
24	27	24	28	21	23	39	142	318	437	134	86	67
25	25	22	27	20	22	36	136	307	410	124	77	78
26	37	22	11	22	26	33	110	228	373	118	65	86
27	30	22	21	19	27	37	151	193	392	118	70	89
28	25	17	25	16	29	30	119	174	384	111	80	78
29	22	18	21	16	27	34	91	163	351	124	72	75
30	23	23	22	24	---	34	61	150	349	125	70	74
31	27	---	22	20	---	34	---	151	---	125	61	---
TOTAL	962	741	713	679	715	928	2328	6090	9627	6606	2537	1803
MEAN	31.0	24.7	23.0	21.9	24.7	29.9	77.6	196	321	213	81.8	60.1
AC-FT	1910	1470	1410	1350	1420	1840	4620	12080	19100	13100	5030	3580
MAX	46	37	30	31	29	39	151	318	574	348	114	89
MIN	22	17	11	12	20	21	36	57	119	111	61	33
CAL YR 1995 TOTAL		41252.7	MEAN	113	MAX	770	MIN	3.9	AC-FT	81820		
WTR YR 1996 TOTAL		33729	MEAN	92.2	MAX	574	MIN	11	AC-FT	66900		

MAX DISCH 626 CFS AT 0500 22-JUN-1996 GH 3.55 FT. SHIFT -0.01 FT. MAX GH 3.55 FT. AT 0500 22-JUN-1996

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





PLATTE RIVER BASIN

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

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

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

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

**REMARKS.**--Record is complete and reliable. Chart record was used on Oct. 17-23, 1995; June 25; July 13-16, 1996. Record is good. Station maintained and record developed by Fred Renner.

**RATING TABLE.**--BOCBGRCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

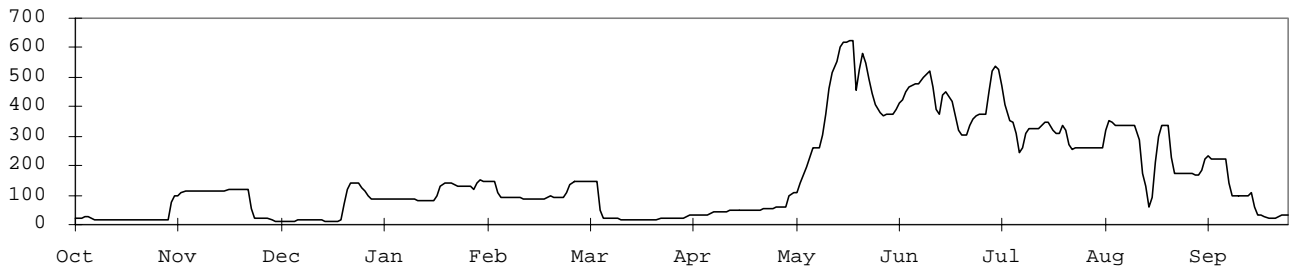
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	95	12	87	145	146	21	60	372	373	262	171
2	24	107	12	87	145	144	27	59	373	453	261	170
3	24	115	12	87	146	144	30	97	374	521	262	170
4	25	115	12	87	146	144	31	110	388	537	262	185
5	25	115	12	87	110	144	30	110	415	524	262	225
6	19	115	12	86	93	144	30	142	425	471	320	232
7	15	115	15	86	92	51	30	167	450	408	352	223
8	15	115	17	86	92	19	30	193	464	354	345	223
9	15	115	17	86	92	19	36	230	471	348	339	222
10	15	115	17	86	93	19	43	258	476	312	338	221
11	15	115	17	86	92	20	45	262	478	243	337	221
12	15	115	17	84	92	20	45	262	499	263	335	139
13	15	115	17	84	89	17	46	303	512	310	334	99
14	15	115	14	84	87	14	46	373	520	327	334	99
15	15	115	12	84	87	14	48	462	468	327	334	99
16	15	118	12	84	87	14	50	516	389	327	285	99
17	16	120	12	84	87	14	49	556	374	327	171	100
18	16	120	12	97	87	14	50	603	438	339	130	100
19	16	120	12	128	87	14	50	619	448	345	58	106
20	16	120	18	139	92	14	50	620	436	345	94	59
21	16	120	68	139	95	14	50	624	416	320	210	34
22	16	120	122	139	94	14	50	624	371	310	301	34
23	16	53	139	135	94	14	50	458	320	311	339	26
24	16	19	139	132	94	14	49	528	303	338	338	20
25	16	19	139	132	94	19	53	579	303	319	337	20
26	16	19	124	132	110	21	54	547	339	272	227	20
27	16	19	114	132	137	21	55	494	356	257	172	28
28	16	19	95	131	146	21	55	446	368	259	172	33
29	16	17	87	122	146	21	58	409	373	261	172	33
30	78	13	87	140	---	21	60	379	373	260	172	33
31	95	---	87	151	---	21	---	371	---	260	172	---
TOTAL	672	2713	1482	3304	3051	1330	1321	11461	12292	10621	8027	3444
MEAN	21.7	90.4	47.8	107	105	42.9	44.0	370	410	343	259	115
AC-FT	1330	5380	2940	6550	6050	2640	2620	22730	24380	21070	15920	6830
MAX	95	120	139	151	146	146	60	624	520	537	352	232
MIN	15	13	12	84	87	14	21	59	303	243	58	20

CAL YR 1995 TOTAL 41854.1 MEAN 115 MAX 712 MIN 5.5 AC-FT 83020  
WTR YR 1996 TOTAL 59718 MEAN 163 MAX 624 MIN 12 AC-FT 118500

MAX DISCH 643 CFS AT 1015 20-MAY-1996 GH 3.35 FT. SHIFT -0.04 FT. MAX GH 3.35 FT. AT 1015 20-MAY-1996

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



## PLATTE RIVER BASIN

## SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS, CO

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

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

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

**REMARKS.**--Record is complete and reliable. This is a controlled structure and canal was off Oct. 1-29; Nov. 24-30; Dec. 1-20, 1995; Mar. 8-31; Apr. 1-30; May 1-2; Sep. 21-30, 1996. Graphic chart record was used all year except when flume was off. The record is good. Record developed by Fred Renner.

**RATING TABLE.**--BOSDELCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

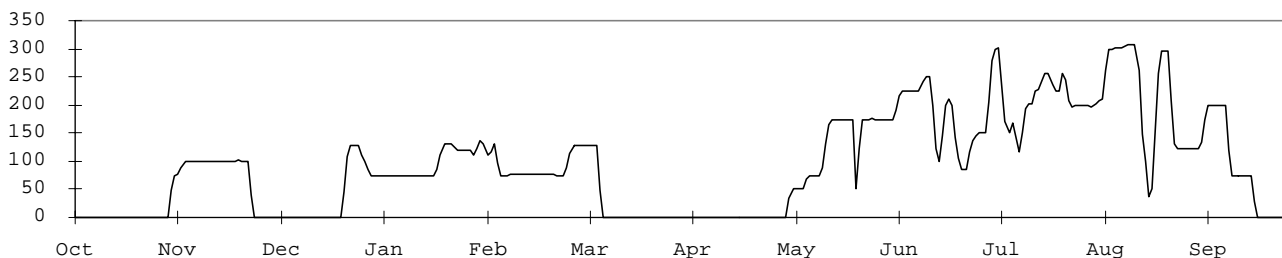
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	76	0.0	75	130	127	0.0	0.0	175	150	198	121
2	0.0	89	0.0	75	112	127	0.0	0.0	175	204	196	121
3	0.0	99	0.0	75	117	127	0.0	33	175	278	203	121
4	0.0	99	0.0	75	130	127	0.0	51	191	300	207	134
5	0.0	99	0.0	75	96	127	0.0	51	217	301	210	175
6	0.0	99	0.0	75	75	127	0.0	51	225	237	261	200
7	0.0	100	0.0	74	75	49	0.0	51	225	170	300	199
8	0.0	100	0.0	74	75	0.0	0.0	67	225	151	300	199
9	0.0	100	0.0	75	76	0.0	0.0	75	226	167	301	198
10	0.0	100	0.0	75	76	0.0	0.0	75	226	141	301	198
11	0.0	100	0.0	75	76	0.0	0.0	75	226	116	301	198
12	0.0	101	0.0	74	76	0.0	0.0	73	242	151	304	119
13	0.0	101	0.0	74	76	0.0	0.0	88	249	193	307	75
14	0.0	101	0.0	74	76	0.0	0.0	132	249	202	307	75
15	0.0	101	0.0	74	76	0.0	0.0	166	199	202	307	74
16	0.0	100	0.0	74	76	0.0	0.0	175	122	225	263	74
17	0.0	100	0.0	74	76	0.0	0.0	175	99	228	149	74
18	0.0	101	0.0	85	76	0.0	0.0	175	144	243	100	74
19	0.0	102	0.0	112	76	0.0	0.0	175	200	256	36	74
20	0.0	101	0.0	130	76	0.0	0.0	175	210	256	50	29
21	0.0	101	46	130	76	0.0	0.0	175	198	237	153	0.0
22	0.0	101	109	130	76	0.0	0.0	175	143	225	256	0.0
23	0.0	39	127	124	75	0.0	0.0	51	104	225	297	0.0
24	0.0	0.0	127	119	75	0.0	0.0	123	86	256	296	0.0
25	0.0	0.0	127	120	75	0.0	0.0	175	86	246	296	0.0
26	0.0	0.0	112	120	88	0.0	0.0	175	117	207	208	0.0
27	0.0	0.0	101	120	114	0.0	0.0	175	136	196	131	0.0
28	0.0	0.0	86	120	127	0.0	0.0	176	145	199	121	0.0
29	0.0	0.0	75	110	127	0.0	0.0	175	150	198	121	0.0
30	47	0.0	75	123	---	0.0	0.0	175	150	198	121	0.0
31	74	---	75	138	---	0.0	---	175	---	198	121	---
TOTAL	121	2210	1060	2948	2555	811	0.0	3613	5315	6556	6722	2532
MEAN	3.90	73.7	34.2	95.1	88.1	26.2	0.0	117	177	211	217	84.4
AC-FT	240	4380	2100	5850	5070	1610	0.0	7170	10540	13000	13330	5020
MAX	74	102	127	138	130	127	0.0	176	249	301	307	200
MIN	0.0	0.0	0.0	74	75	0.0	0.0	0.0	86	116	36	0.0

CAL YR 1995 TOTAL 17917 MEAN 49.1 MAX 243 MIN 0.00 AC-FT 35540  
WTR YR 1996 TOTAL 34443 MEAN 94.1 MAX 307 MIN 0.00 AC-FT 68320

MAX DISCH 307 CFS AT 0900 12-AUG-1996 GH 3.21 FT. SHIFT 0.03 FT. MAX GH 3.21 FT. AT 0900 12-AUG-1996

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



PLATTE RIVER BASIN

06729500 SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS, CO

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

**DRAINAGE AREA.**--109 mi².

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

**REMARKS.**--Record is complete and reliable except for the following periods: Dec. 11, 1995 when float frozen in well; Dec. 20, 1995-Feb. 13, 1996 when station closed; Mar. 25-27, 1996 when well frozen. Record ice affected Dec. 7-10, 15-19, 1995; Feb. 27; Mar. 6-7, 19-20, 23-24, 1996. Chart record used on Dec. 16-17, 1995; Feb. 20; Mar. 13-18, 21-24; May 19-28; June 8-10; Sep. 28-30, 1996. Record is good, except for periods of no gage-height record and ice effect, which is fair. Station maintained and record developed by Fred Renner.

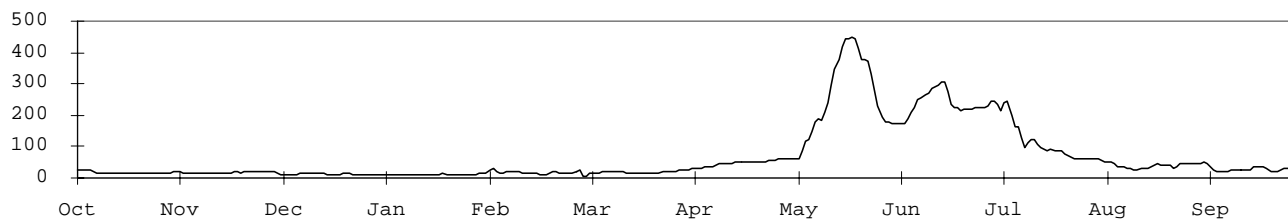
**RATING TABLE.**--BOCELSCO22 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	19	11	12	15	4.4	23	62	178	228	62	48
2	26	16	11	12	26	2.8	27	61	176	243	63	47
3	26	16	11	12	31	16	33	61	175	247	59	47
4	26	16	11	12	21	15	33	62	174	234	54	49
5	26	15	12	12	15	14	33	62	174	215	51	48
6	22	15	12	12	16	15	33	87	175	238	50	36
7	15	15	15	12	18	18	34	116	191	243	52	23
8	15	15	16	12	18	19	35	124	211	197	45	21
9	15	15	16	11	18	19	37	150	222	162	38	20
10	16	15	16	11	18	20	43	181	249	164	38	19
11	16	15	16	11	18	20	46	187	256	128	37	19
12	16	15	16	10	17	19	46	185	266	99	33	23
13	16	15	16	10	15	18	47	209	270	114	29	27
14	16	15	15	10	13	15	46	240	284	125	28	27
15	16	15	12	10	13	15	48	298	289	123	27	28
16	16	17	12	10	13	15	51	348	295	105	30	27
17	16	20	12	10	12	15	51	378	305	96	29	27
18	16	18	12	11	12	15	51	419	305	94	30	28
19	16	17	12	15	12	15	51	444	275	89	37	35
20	16	18	16	10	16	15	51	444	237	90	40	37
21	16	18	17	10	18	15	50	447	226	87	46	35
22	17	18	13	10	18	15	51	444	223	85	43	35
23	16	21	12	12	17	15	50	411	215	86	39	29
24	16	21	12	12	16	15	50	380	219	79	39	21
25	16	20	12	12	16	19	52	380	219	72	39	21
26	16	20	12	12	15	22	56	375	219	68	30	22
27	16	22	12	12	15	22	57	332	222	62	36	28
28	16	20	12	12	20	22	57	281	225	61	46	32
29	16	19	12	12	25	22	59	232	226	63	47	32
30	18	14	12	15	---	23	62	196	227	62	48	32
31	20	---	12	15	---	23	---	180	---	62	48	---
TOTAL	556	515	408	359	497	518.2	1363	7776	6928	4021	1293	923
MEAN	17.9	17.2	13.2	11.6	17.1	16.7	45.4	251	231	130	41.7	30.8
AC-FT	1100	1020	809	712	986	1030	2700	15420	13740	7980	2560	1830
MAX	26	22	17	15	31	23	62	447	305	247	63	49
MIN	15	14	11	10	12	2.8	23	61	174	61	27	19
CAL YR 1995 TOTAL	26878.6		MEAN	73.6	MAX	760	MIN	4.8	AC-FT	53310		
WTR YR 1996 TOTAL	25157.2		MEAN	68.7	MAX	447	MIN	2.8	AC-FT	49900		

MAX DISCH 450 CFS AT 0730 19-MAY-1996 GH 3.20 FT. SHIFT -0.01 FT. MAX GH 3.21 FT. AT 1300 21-MAY-1996

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



PLATTE RIVER BASIN

06730300 COAL CREEK NEAR PLAINVIEW, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following periods: Nov. 2-15 when clock stopped; Nov. 29, 1995-Mar. 11, 1996 when station was closed for winter; Mar. 17-27, 1996 when clock stopped. Record is good, except for period of no gage-height record which is fair. Station maintained and record developed by Fred Renner.

RATING TABLE.--COCREPCO08 USED FROM 01-OCT-1995 TO 30-SEP-1996

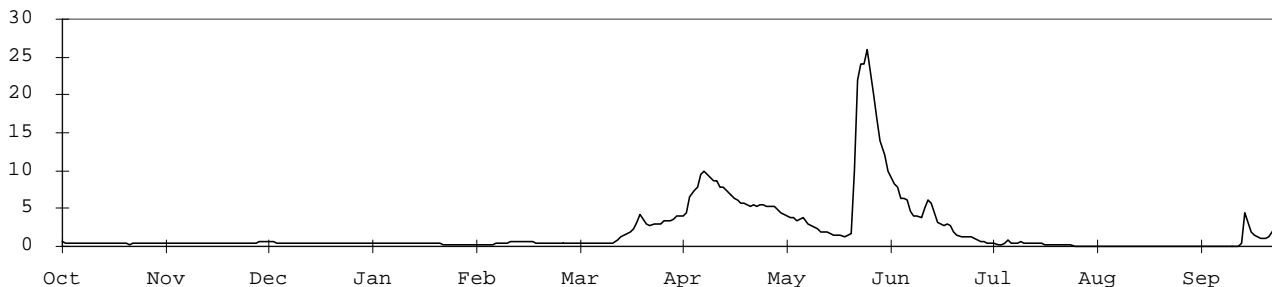
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.55	0.45	0.58	0.36	0.25	0.39	3.6	5.2	17	0.80	0.02	0.0
2	0.50	0.45	0.56	0.36	0.23	0.40	4.0	4.8	14	0.67	0.01	0.0
3	0.45	0.42	0.55	0.36	0.20	0.40	4.1	4.5	12	0.55	0.01	0.0
4	0.46	0.40	0.52	0.36	0.20	0.41	4.0	4.3	10	0.50	0.02	0.0
5	0.50	0.40	0.50	0.36	0.22	0.41	4.5	4.0	9.1	0.40	0.01	0.0
6	0.50	0.40	0.48	0.35	0.25	0.42	6.6	3.8	8.3	0.35	0.00	0.01
7	0.50	0.40	0.46	0.35	0.30	0.42	7.5	3.8	7.9	0.27	0.01	0.01
8	0.45	0.40	0.45	0.35	0.35	0.43	7.9	3.4	6.4	0.27	0.01	0.00
9	0.45	0.45	0.45	0.35	0.40	0.43	9.6	3.6	6.4	0.45	0.01	0.00
10	0.40	0.45	0.43	0.35	0.45	0.44	10	3.8	6.1	0.87	0.00	0.0
11	0.35	0.45	0.40	0.35	0.50	0.45	9.6	2.9	4.6	0.45	0.00	0.00
12	0.35	0.45	0.40	0.35	0.60	0.45	9.1	2.7	4.0	0.40	0.0	0.00
13	0.45	0.45	0.40	0.35	0.70	0.50	8.7	2.5	4.0	0.50	0.0	0.00
14	0.45	0.45	0.40	0.35	0.66	0.50	8.7	2.3	3.8	0.61	0.0	0.00
15	0.40	0.45	0.40	0.35	0.62	0.87	7.9	2.0	5.0	0.50	0.00	0.01
16	0.40	0.50	0.38	0.35	0.60	1.3	7.8	1.9	6.1	0.40	0.00	0.00
17	0.40	0.50	0.38	0.35	0.58	1.4	7.5	1.8	5.8	0.35	0.00	0.00
18	0.40	0.45	0.38	0.33	0.56	1.6	6.8	1.6	4.5	0.40	0.00	0.40
19	0.35	0.45	0.38	0.33	0.54	1.9	6.4	1.5	3.2	0.40	0.01	4.5
20	0.35	0.45	0.38	0.33	0.52	2.3	6.1	1.5	3.0	0.35	0.01	3.2
21	0.31	0.45	0.38	0.33	0.50	3.2	5.8	1.4	2.7	0.31	0.00	2.0
22	0.40	0.45	0.38	0.33	0.48	4.3	5.8	1.3	3.0	0.27	0.01	1.4
23	0.50	0.41	0.38	0.30	0.46	3.6	5.5	1.4	2.7	0.27	0.01	1.2
24	0.50	0.40	0.38	0.30	0.44	2.9	5.2	1.6	1.9	0.27	0.00	1.0
25	0.50	0.40	0.37	0.30	0.42	2.8	5.5	10	1.5	0.27	0.0	1.0
26	0.50	0.45	0.37	0.30	0.40	2.9	5.2	22	1.3	0.19	0.0	1.3
27	0.50	0.50	0.37	0.30	0.38	3.0	5.5	24	1.3	0.13	0.00	1.8
28	0.45	0.50	0.37	0.30	0.38	3.0	5.5	24	1.3	0.13	0.00	2.5
29	0.45	0.60	0.37	0.30	0.39	3.3	5.3	26	1.3	0.16	0.00	2.8
30	0.45	0.60	0.37	0.30	---	3.4	5.2	23	1.0	0.07	0.01	2.2
31	0.45	---	0.37	0.28	---	3.4	---	20	---	0.05	0.00	---
TOTAL	13.67	13.58	12.99	10.33	12.58	51.22	194.9	216.6	159.2	11.61	0.14	25.34
MEAN	0.44	0.45	0.42	0.33	0.43	1.65	6.50	6.99	5.31	0.37	0.00	0.84
AC-FT	27	27	26	20	25	102	387	430	316	23	0.28	50
MAX	0.55	0.60	0.58	0.36	0.70	4.3	10	26	17	0.87	0.02	4.5
MIN	0.31	0.40	0.37	0.28	0.20	0.39	3.6	1.3	1.0	0.05	0.0	0.0

CAL YR 1995 TOTAL 4525.85 MEAN 12.4 MAX 193 MIN 0.00 AC-FT 8980  
WTR YR 1996 TOTAL 722.17 MEAN 1.97 MAX 26 MIN 0.00 AC-FT 1430

MAX DISCH 41 CFS AT 1800 26-MAY-1996 GH 1.18 FT. SHIFT 0.04 FT. MAX GH 1.18 FT. AT 1800 26-MAY-1996

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



PLATTE RIVER BASIN

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

**LOCATION.**--Lat 40°15'29", long 104°52'45", in SE¼NW¼ sec. 3, T,3 N., R.67 W., Weld County, Hydrologic Unit 10190005, on right bank 140 ft downstream from bridge on county road, 1,3 mi upstream from mouth, and 4.2 mi northwest of Platteville.

**DRAINAGE AREA.**--976 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 period: Jan. 26, 1996 when part of day was below rating and estimated discharge; Apr. 8-9, 1996 partial massing record when gage was replaced; May 3-4, 1996 when days were below rating and estimated discharge. Chart gage-height were used Apr. 4-7, 10; June 25, 1996. The record is good, except for period of no gage height record, which is considered fair. New rating table No. 24 was developed for datum change and to tighten rating. Station maintained and record developed by Fred Renner.

**RATING TABLE.**--RATING TABLE SVCPLACO23 USED FROM 01-OCT-1995 TO 3-MAY-1996  
 SVCPLACO24 USED FROM 04-MAY-1996 TO 30-SEP-1996

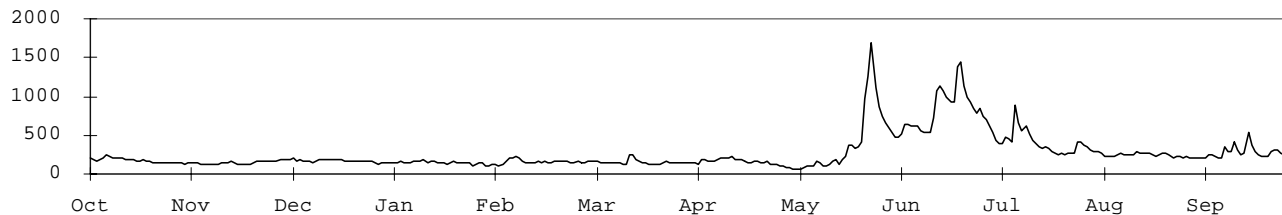
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	201	143	186	147	128	163	139	79	591	702	342	216
2	179	150	197	144	115	162	146	78	537	616	315	212
3	174	139	175	146	98	158	138	68	470	538	290	216
4	192	132	176	159	122	155	134	55	477	443	287	205
5	206	131	171	148	164	150	176	68	514	391	264	198
6	243	126	172	138	196	143	191	74	633	397	236	198
7	222	125	156	145	201	136	171	97	634	479	225	253
8	214	121	154	169	220	139	165	107	617	445	224	255
9	208	134	157	173	197	146	160	95	612	405	223	230
10	205	139	176	170	173	140	187	155	621	890	240	211
11	199	149	181	176	150	137	213	145	567	669	259	210
12	190	150	186	154	148	129	215	108	528	567	248	343
13	187	155	191	159	151	131	212	101	544	626	246	295
14	187	140	191	157	150	242	217	126	546	520	241	288
15	175	127	176	153	155	238	191	158	722	441	255	419
16	169	122	181	154	151	185	181	179	1070	398	280	299
17	178	120	176	153	155	161	176	126	1130	358	271	242
18	173	119	173	132	151	149	172	193	1070	339	265	275
19	155	119	171	143	154	142	154	223	990	348	264	538
20	148	143	169	155	155	133	153	367	924	327	270	375
21	145	165	174	142	155	132	162	367	923	288	255	287
22	138	167	172	142	167	129	157	338	1380	276	235	251
23	151	163	166	138	165	121	137	342	1440	257	238	224
24	151	168	166	147	157	145	140	411	1130	260	272	224
25	150	168	167	151	153	156	158	975	1000	247	277	237
26	151	167	158	95	154	143	134	1260	934	259	250	288
27	153	168	135	121	155	149	125	1690	839	276	207	317
28	151	192	132	151	147	152	130	1120	792	263	222	306
29	139	179	143	147	154	143	112	864	854	418	220	264
30	134	188	143	108	---	142	96	747	735	419	208	244
31	137	---	148	97	---	139	---	668	---	364	220	---
TOTAL	5405	4409	5219	4514	4541	4690	4842	11384	23824	13226	7849	8120
MEAN	174	147	168	146	157	151	161	367	794	427	253	271
AC-FT	10720	8750	10350	8950	9010	9300	9600	22580	47250	26230	15570	16110
MAX	243	192	197	176	220	242	217	1690	1440	890	342	538
MIN	134	119	132	95	98	121	96	55	470	247	207	198

CAL YR 1995 TOTAL 184158 MEAN 505 MAX 4820 MIN 83 AC-FT 365300  
 WTR YR 1996 TOTAL 98023 MEAN 268 MAX 1690 MIN 55 AC-FT 194400

MAX DISCH 2006 CFS AT 0700 27-MAY-1996 GH 6.40 FT. SHIFT 0.02 FT. MAX GH 6.40 FT. AT 0700 27-MAY-1996

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



PLATTE RIVER BASIN  
WIND RIVER NEAR ESTES PARK, CO

LOCATION.--N/A

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following periods: Nov. 3-Dec. 31, 1995; Jan. 1-Apr. 27, 1996 when the station was closed for the winter. Record was affected by ice on Nov. 2, 1995. Record was affected by station maintenance by the U.S.B.R. on May 14-31, 1996. Record was affected by the clock being off on Oct. 1-18, 1995. The record is good except for periods of no gage-height record and ice affect record which is poor. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--WINDESCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

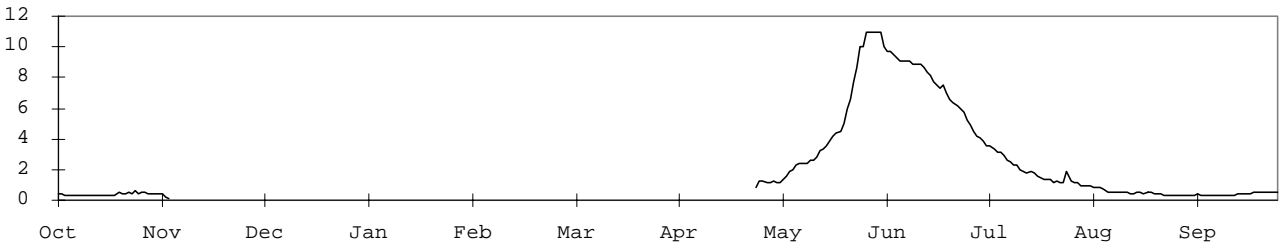
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.42	0.42	---	---	---	---	---	1.2	11	4.5	1.1	0.36
2	0.42	0.24	---	---	---	---	---	1.3	11	4.2	0.98	0.36
3	0.30	0.12	---	---	---	---	---	1.2	11	4.1	0.98	0.30
4	0.30	---	---	---	---	---	---	1.2	10	3.9	0.98	0.30
5	0.30	---	---	---	---	---	---	1.4	9.7	3.6	0.89	0.36
6	0.30	---	---	---	---	---	---	1.6	9.7	3.5	0.80	0.42
7	0.30	---	---	---	---	---	---	1.9	9.5	3.3	0.80	0.36
8	0.30	---	---	---	---	---	---	2.0	9.3	3.1	0.80	0.30
9	0.30	---	---	---	---	---	---	2.3	9.1	3.1	0.72	0.30
10	0.30	---	---	---	---	---	---	2.4	9.1	2.9	0.56	0.30
11	0.30	---	---	---	---	---	---	2.4	9.1	2.6	0.49	0.36
12	0.30	---	---	---	---	---	---	2.4	9.1	2.5	0.49	0.36
13	0.30	---	---	---	---	---	---	2.6	8.9	2.3	0.49	0.36
14	0.30	---	---	---	---	---	---	2.6	8.9	2.3	0.49	0.36
15	0.30	---	---	---	---	---	---	2.8	8.9	2.0	0.49	0.36
16	0.30	---	---	---	---	---	---	3.2	8.7	1.9	0.56	0.36
17	0.30	---	---	---	---	---	---	3.3	8.3	1.8	0.42	0.36
18	0.30	---	---	---	---	---	---	3.6	8.1	1.9	0.42	0.42
19	0.49	---	---	---	---	---	---	3.9	7.7	1.8	0.49	0.42
20	0.42	---	---	---	---	---	---	4.2	7.5	1.6	0.49	0.42
21	0.42	---	---	---	---	---	---	4.4	7.3	1.5	0.42	0.42
22	0.49	---	---	---	---	---	---	4.5	7.5	1.4	0.49	0.42
23	0.42	---	---	---	---	---	---	5.0	7.0	1.4	0.49	0.49
24	0.64	---	---	---	---	---	---	5.9	6.6	1.4	0.42	0.49
25	0.42	---	---	---	---	---	---	6.6	6.4	1.2	0.42	0.49
26	0.49	---	---	---	---	---	---	7.7	6.2	1.3	0.42	0.49
27	0.49	---	---	---	---	---	0.79	8.7	5.9	1.2	0.36	0.49
28	0.42	---	---	---	---	---	1.3	10	5.7	1.1	0.36	0.56
29	0.42	---	---	---	---	---	1.3	10	5.2	1.9	0.36	0.56
30	0.42	---	---	---	---	---	1.2	11	4.9	1.3	0.36	0.49
31	0.42	---	---	---	---	---	---	11	---	1.1	0.36	---
TOTAL	11.60							132.3	247.3	71.7	17.90	12.04
MEAN	0.37							4.27	8.24	2.31	0.58	0.40
AC-FT	23							262	491	142	36	24
MAX	0.64							11	11	4.5	1.1	0.56
MIN	0.30							1.2	4.9	1.1	0.36	0.30

CAL YR 1995 TOTAL                      MEAN                      MAX                      MIN                      AC-FT  
WTR YR 1996 TOTAL                      492.84                      1.35                      11                      0.30                      AC-FT                      978

MAX DISCH                      12 CFS AT 1030 01-JUN-1996 GH                      0.81 FT.                      SHIFT                      0.00 FT.                      MAX GH                      0.81 FT. AT 1030 01-JUN-1996

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



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

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

**REMARKS.**--Record is complete and reliable except for the following periods: Dec. 28-31, 1995; Jan. 1-31; Feb. 1-22, 27-29; Mar. 1-3, 1996 when the flume was frozen. Gage height was estimated Aug. 19-20, 1996 due to problems with the U.S.B.R. equipment locking up our recorder. Discharge was affected by ice Oct. 24-28; Nov. 2-11, 21-28; Dec. 3-9, 14-17, 1995; Feb. 23-26; Mar. 6-9. 13, 15, 18-30; Apr. 15, 18-21, 29, 1996. Record is good, except for periods of no gage-height record and ice effect, which is poor. Station maintained and record developed by Merlin Friedrichsen.

**RATING TABLE.**--BTABESCO09 USED FROM 01-OCT-1995 TO 30-SEP-1996

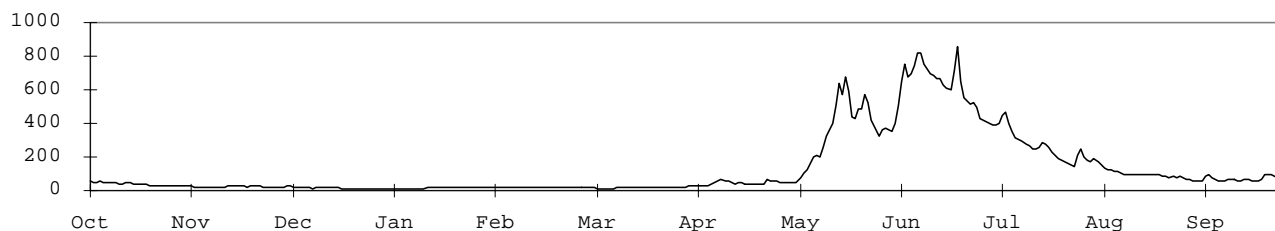
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	26	25	14	18	16	24	45	358	410	178	64
2	52	19	22	14	18	16	28	49	357	398	173	59
3	47	19	19	14	18	15	28	44	401	395	189	56
4	54	22	19	14	18	14	29	50	509	392	172	54
5	49	22	20	14	18	14	27	72	645	402	156	55
6	48	22	20	14	18	13	29	108	753	443	138	88
7	49	23	20	14	18	13	31	128	678	471	128	92
8	46	23	13	14	18	14	35	161	698	398	121	74
9	43	23	16	14	18	14	47	199	744	356	117	64
10	41	23	22	14	18	16	60	209	822	314	112	58
11	41	23	20	14	18	17	66	202	822	301	104	55
12	43	27	19	15	18	17	58	255	756	293	98	55
13	48	31	20	15	18	18	54	321	726	274	95	63
14	39	30	19	15	18	16	45	360	695	264	94	65
15	41	28	18	15	18	18	42	402	682	249	96	66
16	39	26	16	15	18	18	44	502	668	243	100	60
17	37	24	13	16	18	16	48	638	663	253	94	60
18	35	23	14	16	18	16	41	575	633	285	91	63
19	32	24	13	16	18	16	41	676	605	280	98	65
20	27	25	12	16	18	16	40	589	596	253	96	61
21	28	24	11	16	18	16	39	438	713	230	93	57
22	31	24	13	16	18	17	36	427	858	208	91	59
23	24	22	13	17	17	16	34	488	650	190	95	66
24	26	20	13	17	17	16	38	483	553	179	87	97
25	26	22	13	17	17	16	63	569	531	171	83	99
26	26	22	13	17	17	16	59	522	514	162	80	97
27	25	19	13	17	16	16	56	417	523	154	81	82
28	24	18	13	17	16	16	53	358	493	145	80	76
29	26	23	13	17	16	17	48	327	429	214	82	78
30	27	28	14	17	---	18	46	364	422	248	77	79
31	27	---	14	17	---	22	---	369	---	200	70	---
TOTAL	1158	705	503	478	512	499	1289	10347	18497	8775	3369	2067
MEAN	37.4	23.5	16.2	15.4	17.7	16.1	43.0	334	617	283	109	68.9
AC-FT	2300	1400	998	948	1020	990	2560	20520	36690	17410	6680	4100
MAX	57	31	25	17	18	22	66	676	858	471	189	99
MIN	24	18	11	14	16	13	24	44	357	145	70	54

CAL YR 1995 TOTAL 63324.8 MEAN 173 MAX 1500 MIN 6.4 AC-FT 125600  
WTR YR 1996 TOTAL 48199 MEAN 132 MAX 858 MIN 11 AC-FT 95600

MAX DISCH 1025 CFS AT 0330 22-JUN-1996 GH 5.71 FT. SHIFT 0.01 FT. MAX GH 5.71 FT. AT 0330 22-JUN-1996

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



## PLATTE RIVER BASIN

06734500 FISH CREEK NEAR ESTES PARK, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following periods: Dec. 5, 1995-Mar. 11, 1996 when the station was closed for the winter and Mar. 18-22, when pen was not marking. The record is good, except for periods of no gage-height record and ice affect which is poor. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--FISHESCO06 USED FROM 01-OCT-1995 TO 30-SEP-1996

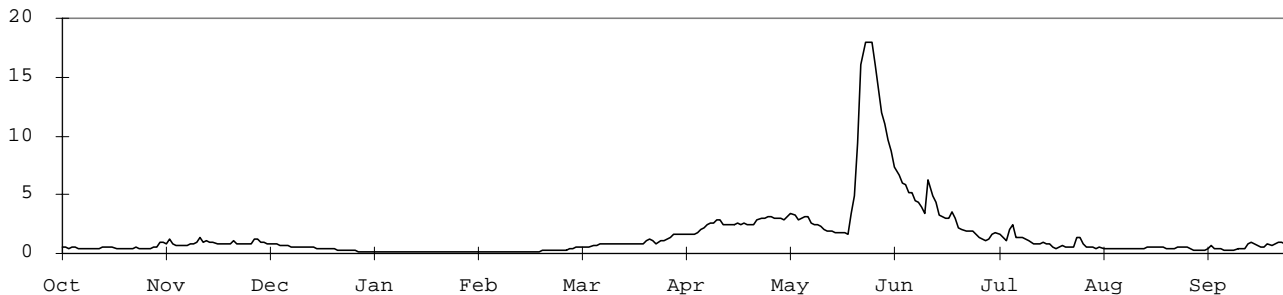
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.52	0.88	0.88	0.20	0.10	0.40	1.6	3.0	12	1.2	0.60	0.36
2	0.52	1.2	0.88	0.20	0.10	0.50	1.6	3.0	11	1.1	0.52	0.29
3	0.44	0.78	0.78	0.20	0.10	0.50	1.7	2.8	9.6	1.2	0.52	0.29
4	0.60	0.72	0.78	0.20	0.10	0.60	1.6	3.1	8.7	1.6	0.44	0.29
5	0.52	0.69	0.70	0.20	0.10	0.60	1.7	3.4	7.3	1.8	0.52	0.29
6	0.44	0.69	0.70	0.20	0.10	0.60	1.7	3.3	6.7	1.6	0.36	0.44
7	0.36	0.69	0.70	0.20	0.10	0.70	1.8	2.8	6.0	1.3	0.44	0.69
8	0.44	0.78	0.60	0.20	0.10	0.70	2.1	3.0	5.8	1.1	0.44	0.44
9	0.44	0.88	0.60	0.20	0.10	0.80	2.2	3.1	5.2	2.1	0.44	0.36
10	0.36	0.98	0.60	0.20	0.20	0.80	2.4	3.1	5.2	2.4	0.44	0.44
11	0.36	1.4	0.60	0.15	0.20	0.85	2.6	2.6	4.5	1.4	0.44	0.29
12	0.36	0.98	0.50	0.15	0.20	0.88	2.6	2.5	4.3	1.4	0.36	0.29
13	0.52	1.1	0.50	0.15	0.20	0.88	2.8	2.4	4.0	1.3	0.44	0.29
14	0.52	0.98	0.50	0.15	0.20	0.88	2.8	2.3	3.4	1.2	0.44	0.29
15	0.52	0.98	0.50	0.15	0.20	0.88	2.5	2.1	6.2	1.1	0.44	0.36
16	0.52	0.88	0.40	0.15	0.20	0.88	2.4	1.9	4.9	0.88	0.44	0.36
17	0.44	0.88	0.40	0.15	0.20	0.78	2.4	1.9	4.3	0.88	0.44	0.44
18	0.44	0.88	0.40	0.15	0.20	0.78	2.5	1.8	3.3	0.88	0.36	0.78
19	0.36	0.88	0.40	0.15	0.20	0.78	2.6	1.8	3.1	0.98	0.60	0.98
20	0.36	0.88	0.40	0.15	0.20	0.88	2.5	1.8	3.0	0.88	0.60	0.78
21	0.36	1.1	0.40	0.10	0.30	0.78	2.6	1.8	3.0	0.78	0.60	0.69
22	0.41	0.88	0.30	0.10	0.30	0.88	2.5	1.7	3.6	0.52	0.60	0.60
23	0.52	0.88	0.30	0.10	0.30	1.1	2.5	3.4	3.0	0.44	0.60	0.52
24	0.44	0.78	0.30	0.10	0.30	1.2	2.4	4.9	2.2	0.60	0.52	0.78
25	0.44	0.78	0.30	0.10	0.30	1.1	2.8	9.4	2.1	0.69	0.44	0.69
26	0.44	0.78	0.30	0.10	0.30	0.78	3.0	16	1.9	0.60	0.44	0.88
27	0.44	1.2	0.30	0.10	0.30	1.1	3.0	18	1.9	0.60	0.44	0.98
28	0.52	1.2	0.20	0.10	0.30	1.1	3.1	18	1.9	0.60	0.60	0.98
29	0.60	0.98	0.20	0.10	0.40	1.2	3.1	18	1.6	1.3	0.60	0.88
30	0.98	0.98	0.20	0.10	---	1.3	3.0	16	1.4	1.3	0.60	0.78
31	0.98	---	0.20	0.10	---	1.6	---	14	---	0.88	0.52	---
TOTAL	15.17	27.69	14.82	4.60	5.90	26.81	72.1	172.9	141.1	34.61	15.24	16.53
MEAN	0.49	0.92	0.48	0.15	0.20	0.86	2.40	5.58	4.70	1.12	0.49	0.55
AC-FT	30	55	29	9.1	12	53	143	343	280	69	30	33
MAX	0.98	1.4	0.88	0.20	0.40	1.6	3.1	18	12	2.4	0.60	0.98
MIN	0.36	0.69	0.20	0.10	0.10	0.40	1.6	1.7	1.4	0.44	0.36	0.29

CAL YR 1995 TOTAL 1859.61 MEAN 5.09 MAX 104 MIN 0.20 AC-FT 3690  
WTR YR 1996 TOTAL 547.47 MEAN 1.50 MAX 18 MIN 0.10 AC-FT 1090

MAX DISCH 20 CFS AT 1830 26-MAY-1996 GH 1.04 FT. SHIFT -0.03 FT. MAX GH 1.04 FT. AT 1830 26-MAY-1996

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





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

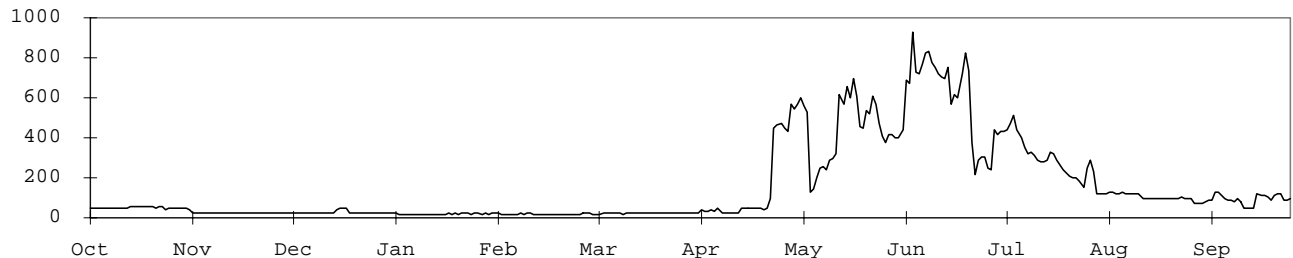
**RATING TABLE.**--BTBLES009 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	27	25	24	23	22	25	566	418	242	232	73
2	48	27	24	24	22	20	25	542	404	443	123	72
3	47	27	25	19	20	18	25	568	401	415	124	75
4	48	28	25	20	18	17	43	599	443	436	123	79
5	47	26	24	20	16	22	32	563	691	431	122	92
6	48	26	25	18	19	23	32	528	673	444	125	92
7	49	24	25	17	19	24	42	132	930	470	125	125
8	47	25	25	15	20	24	32	148	729	510	124	131
9	49	25	25	16	21	22	45	199	724	438	124	111
10	46	25	25	15	20	21	23	247	766	399	125	100
11	46	26	25	15	21	20	22	254	828	350	123	92
12	46	26	24	17	21	22	25	237	835	323	122	86
13	53	26	23	19	16	23	26	291	778	327	123	84
14	54	26	28	19	16	23	25	300	753	309	121	98
15	54	25	39	19	16	23	26	322	717	286	123	79
16	53	25	50	19	19	23	49	617	707	282	97	48
17	56	25	50	19	16	23	50	571	696	284	99	50
18	56	25	50	23	16	25	51	655	755	286	98	49
19	56	24	27	20	16	24	52	598	569	331	98	51
20	53	24	28	21	16	23	50	695	619	322	100	118
21	48	25	27	20	16	23	52	606	603	285	98	110
22	54	25	25	21	16	24	50	455	717	261	96	115
23	55	24	27	21	18	24	44	448	828	242	98	107
24	38	25	26	21	18	23	46	534	733	223	99	91
25	49	25	26	19	17	28	96	523	377	212	98	113
26	52	25	26	22	20	27	449	611	215	199	100	119
27	49	26	26	22	20	23	461	569	286	204	98	119
28	49	27	26	20	21	23	472	470	303	182	101	91
29	49	25	25	21	21	25	450	411	308	154	99	88
30	45	26	24	19	---	23	431	380	250	245	99	93
31	41	---	25	21	---	23	---	414	---	288	97	---
TOTAL	1533	765	875	606	538	708	3251	14053	18056	9823	3534	2751
MEAN	49.5	25.5	28.2	19.5	18.6	22.8	108	453	602	317	114	91.7
AC-FT	3040	1520	1740	1200	1070	1400	6450	27870	35810	19480	7010	5460
MAX	56	28	50	24	23	28	472	695	930	510	232	131
MIN	38	24	23	15	16	17	22	132	215	154	96	48
CAL YR 1995 TOTAL		42962	MEAN	118	MAX	1010	MIN	16	AC-FT	85220		
WTR YR 1996 TOTAL		56493	MEAN	154	MAX	930	MIN	15	AC-FT	112100		

MAX DISCH 951 CFS AT 1045 07-JUN-1996 GH 5.55 FT. SHIFT 0.00 FT. MAX GH 5.55 FT. AT 1045 07-JUN-1996

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



## PLATTE RIVER BASIN

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

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

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

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

**RATING TABLE.**--OLYTUNCO05 USED FROM 01-OCT-1995 TO 30-SEP-1996

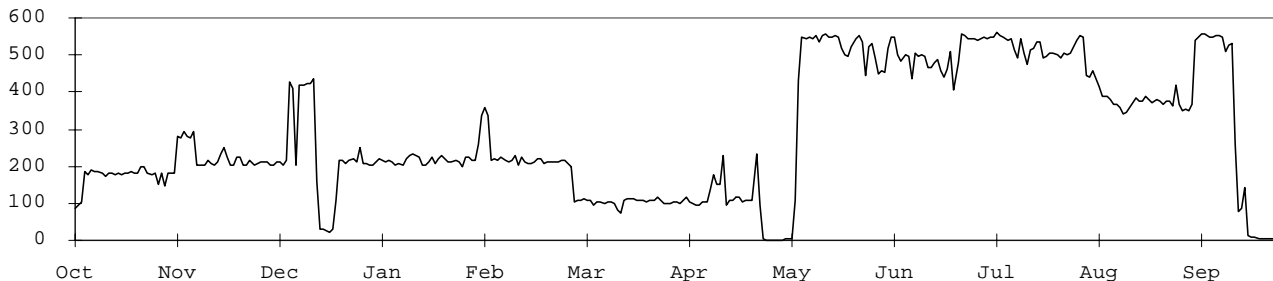
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	280	213	219	335	109	101	0.0	457	546	550	355
2	93	276	211	216	357	109	106	0.0	452	547	446	350
3	105	295	203	212	336	111	116	5.6	520	545	440	368
4	186	281	214	216	217	109	102	6.4	549	547	457	540
5	179	278	426	211	221	107	101	3.8	547	550	434	547
6	192	293	410	202	217	95	97	110	501	561	413	555
7	186	203	203	206	224	105	95	433	485	551	389	558
8	184	203	418	203	217	102	104	548	500	550	389	547
9	183	201	417	219	211	101	102	546	498	539	380	550
10	173	217	421	228	215	102	140	549	436	542	369	551
11	183	206	423	233	227	105	178	545	507	513	366	553
12	181	204	434	229	203	101	150	551	496	490	360	547
13	179	211	160	225	223	80	150	537	499	544	339	511
14	181	235	29	205	211	74	227	551	497	504	344	525
15	179	250	32	205	207	110	97	555	468	475	358	529
16	183	226	27	212	207	111	110	548	465	512	373	257
17	180	202	20	225	210	112	108	550	480	519	384	79
18	184	201	29	208	220	112	118	551	488	535	376	86
19	180	225	106	221	219	110	115	548	458	536	377	144
20	180	226	215	229	207	106	104	520	441	493	387	12
21	197	204	214	218	211	109	109	502	460	497	379	10
22	197	205	207	210	212	103	107	498	510	504	372	9.7
23	181	215	216	211	213	110	108	523	405	504	378	3.4
24	178	204	219	217	211	108	231	545	478	500	376	3.4
25	181	206	213	213	215	116	94	551	557	494	366	3.3
26	149	211	252	200	217	106	5.8	535	551	507	374	3.2
27	181	211	206	224	208	99	0.0	444	542	502	375	3.2
28	148	210	206	226	200	99	0.0	524	545	507	361	3.2
29	180	204	205	216	104	98	0.0	529	542	523	417	3.2
30	182	202	205	214	---	103	0.0	491	539	539	369	3.2
31	181	---	210	259	---	102	---	448	---	551	350	---
TOTAL	5334	6785	6964	6732	6475	3224	3075.8	13247.8	14873	16227	12048	8209.8
MEAN	172	226	225	217	223	104	103	427	496	523	389	274
AC-FT	10580	13460	13810	13350	12840	6390	6100	26280	29500	32190	23900	16280
MAX	197	295	434	259	357	116	231	555	557	561	550	558
MIN	88	201	20	200	104	74	0.0	0.0	405	475	339	3.2

CAL YR 1995 TOTAL 126597 MEAN 347 MAX 574 MIN 0.00 AC-FT 251100  
WTR YR 1996 TOTAL 103195.4 MEAN 282 MAX 561 MIN 0.00 AC-FT 204700

MAX DISCH 598 CFS AT 2145 06-JUL-1996 GH 8.35 FT. SHIFT 0.00 FT. MAX GH 8.35 FT. AT 2145 06-JUL-1996

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



PLATTE RIVER BASIN

06736000 NORTH FORK BIG THOMPSON RIVER AT DRAKE, CO

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

**DRAINAGE AREA.**--85.1 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: Dec. 19-31, 1995-Feb. 29, 1996 when the station was closed. Record was affected by ice in the well and on the control Nov. 2-6, 11, 28; Dec. 8-10, 15, 1995; Mar. 25-26, 1996. The record is good, except for periods of no gage-height record and ice effect, which is fair. Station maintained and record developed by Merlin Friedrichsen.

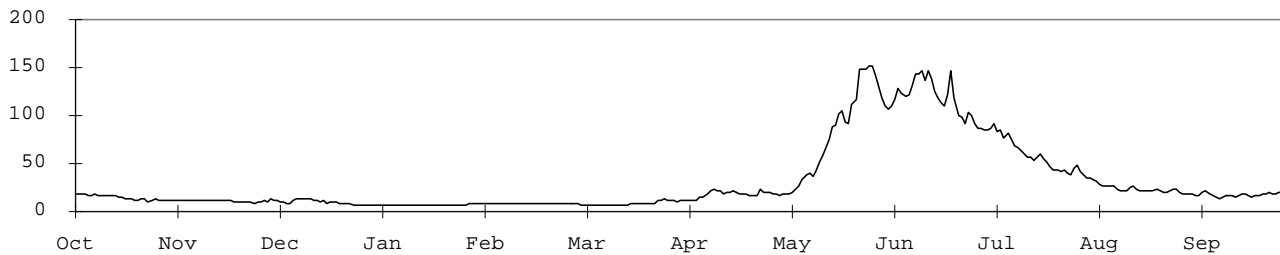
**RATING TABLE.**--BTNFDRCO10 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	12	11	6.6	7.6	7.6	11	17	119	87	38	19
2	18	12	9.8	6.8	7.7	7.5	11	18	110	85	35	18
3	18	12	9.3	6.9	7.8	7.4	11	18	106	85	35	18
4	18	12	9.0	7.0	7.8	7.3	11	18	110	87	33	17
5	17	12	8.8	7.0	7.8	7.2	11	20	117	92	31	17
6	17	12	11	7.1	7.9	7.0	12	24	129	83	29	20
7	18	11	13	7.2	8.0	6.8	15	27	123	85	27	21
8	17	11	14	7.2	8.0	6.6	15	33	120	77	26	18
9	16	12	14	7.2	8.0	6.4	18	38	122	81	26	16
10	16	12	14	7.2	8.0	6.3	21	40	131	75	26	15
11	16	12	13	7.3	8.0	6.2	24	37	144	69	23	14
12	16	11	12	7.3	8.0	6.5	21	44	144	67	22	15
13	16	12	11	7.3	8.0	6.8	22	51	147	64	21	17
14	15	11	10	7.3	8.0	7.0	19	58	137	60	22	16
15	15	11	11	7.3	8.0	7.2	20	66	147	57	25	16
16	14	11	8.1	7.3	8.0	7.5	20	75	139	57	27	15
17	13	11	10	7.2	8.0	7.8	21	88	125	54	24	16
18	13	10	9.5	7.2	8.0	8.0	20	90	118	56	21	18
19	12	10	9.2	7.2	8.0	8.2	19	101	113	60	21	19
20	12	10	9.0	7.2	8.0	8.5	18	105	110	55	21	16
21	13	9.9	8.6	7.2	8.0	8.5	19	93	121	51	21	15
22	13	9.8	8.2	7.2	7.9	9.0	17	92	147	46	22	16
23	10	9.6	7.8	7.3	7.9	8.4	16	112	118	44	23	16
24	11	9.0	7.5	7.4	7.8	8.0	17	117	100	43	21	18
25	13	9.4	7.2	7.4	7.8	11	24	148	98	42	20	18
26	12	9.4	7.0	7.4	7.8	12	20	148	92	44	20	20
27	12	11	6.8	7.5	7.7	13	20	148	103	40	22	18
28	11	10	6.5	7.6	7.6	12	20	151	100	38	23	19
29	11	13	6.2	7.6	7.6	11	18	151	92	45	23	20
30	11	11	6.3	7.6	---	11	18	142	87	49	20	20
31	12	---	6.4	7.6	---	9.9	---	130	---	41	19	---
TOTAL	445	329.1	295.2	224.6	228.7	257.6	529	2400	3569	1919	767	521
MEAN	14.4	11.0	9.52	7.25	7.89	8.31	17.6	77.4	119	61.9	24.7	17.4
AC-FT	883	653	586	445	454	511	1050	4760	7080	3810	1520	1030
MAX	19	13	14	7.6	8.0	13	24	151	147	92	38	21
MIN	10	9.0	6.2	6.6	7.6	6.2	11	17	87	38	19	14
CAL YR 1995 TOTAL	19341.4		MEAN	53.0	MAX	535	MIN	3.6	AC-FT	38360		
WTR YR 1996 TOTAL	11485.2		MEAN	31.4	MAX	151	MIN	6.2	AC-FT	22780		

MAX DISCH 190 CFS AT 2045 15-JUN-1996 GH 4.71 FT. SHIFT -0.06 FT. MAX GH 4.71 FT. AT 2045 15-JUN-1996

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



PLATTE RIVER BASIN

DILLE TUNNEL (EAST PORTAL) NEAR DRAKE, CO

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

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

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

**RATING TABLE.**--RATING TABLE DILTUNCO02 USED FROM 01-OCT-1995 TO 30-APR-1996  
 DILTUNCO03 USED FROM 01-MAY-1996 TO 30-SEP-1996

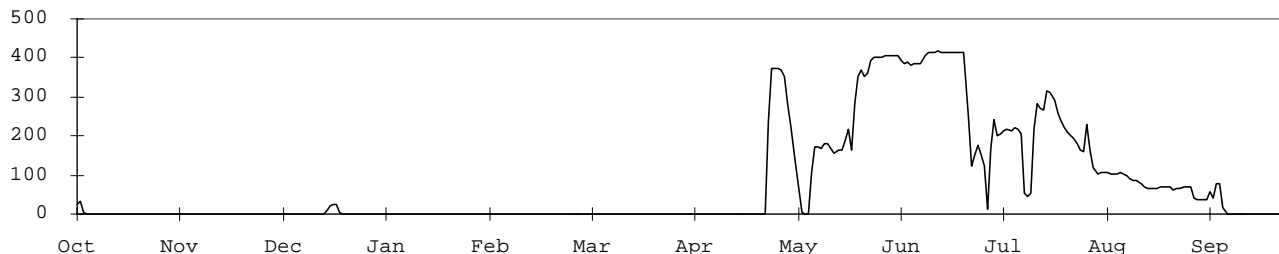
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	0.0	0.0	0.0	0.0	0.0	0.0	352	404	13	163	43
2	34	0.0	0.0	0.0	0.0	0.0	0.0	283	404	169	119	35
3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	224	404	241	101	35
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127	406	201	105	35
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64	392	205	105	35
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	385	214	105	58
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	388	216	104	43
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	382	214	104	76
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	106	385	221	104	79
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172	385	217	106	18
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172	385	203	101	0.67
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	167	407	52	100	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179	414	44	91	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	182	414	53	88	0.0
15	0.0	0.0	6.3	0.0	0.0	0.0	0.0	168	415	216	88	0.0
16	0.0	0.0	20	0.0	0.0	0.0	0.0	157	417	283	79	0.0
17	0.0	0.0	25	0.0	0.0	0.0	0.0	162	415	271	70	0.0
18	0.0	0.0	25	0.0	0.0	0.0	0.0	162	415	265	67	0.0
19	0.0	0.0	3.4	0.0	0.0	0.0	0.0	187	412	314	67	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	219	415	310	67	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	162	415	292	67	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	284	415	259	68	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	354	415	237	68	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	369	415	220	71	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	352	249	210	70	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	236	359	121	199	62	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	371	394	151	193	65	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	373	403	176	181	67	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	372	403	150	165	70	0.0
30	0.0	0.0	0.0	0.0	---	0.0	369	403	123	160	70	0.0
31	0.0	---	0.0	0.0	---	0.0	---	404	---	231	68	---
TOTAL	63.3	0.0	79.7	0.0	0.0	0.0	1721	6975.7	10674	6269	2680	457.67
MEAN	2.04	0.0	2.57	0.0	0.0	0.0	57.4	225	356	202	86.5	15.3
AC-FT	126	0.0	158	0.0	0.0	0.0	3410	13840	21170	12430	5320	908
MAX	34	0.0	25	0.0	0.0	0.0	373	404	417	314	163	79
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	121	13	62	0.0

CAL YR 1995 TOTAL 16975.3 MEAN 46.5 MAX 373 MIN 0.00 AC-FT 33670  
 WTR YR 1996 TOTAL 28920.37 MEAN 79.0 MAX 417 MIN 0.00 AC-FT 57360

MAX DISCH 418 CFS AT 2400 15-JUN-1996 GH 4.95 FT. SHIFT 0.00 FT. MAX GH 4.95 FT. AT 2400 15-JUN-1996

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



PLATTE RIVER BASIN

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

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

**DRAINAGE AREA.**--305 mi².

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

**REMARKS.**--Record is complete and reliable except for the following periods: Dec. 27-31, 1995; Jan. 1-Feb. 22, 1996 when the station was closed for winter. Chart was used Feb. 23-Mar. 13, 1996 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 record developed by Merlin Friedrichsen.

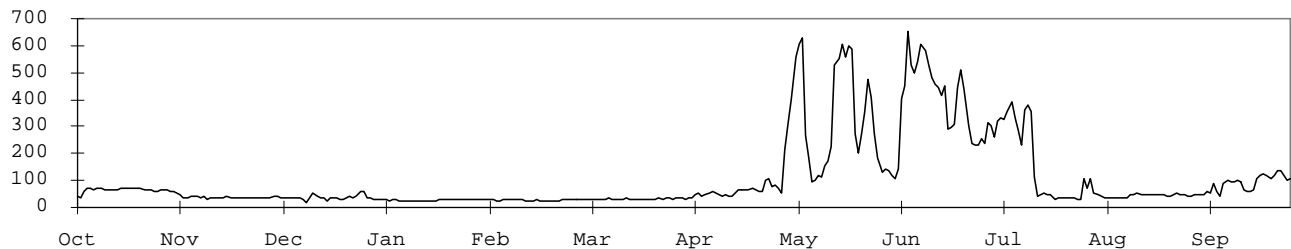
**RATING TABLE.**--BTCANYCO14 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	48	37	31	31	30	32	215	139	316	104	50
2	35	33	34	31	30	29	36	306	116	302	56	48
3	59	36	33	26	29	30	37	400	104	259	47	49
4	71	39	34	27	26	30	46	557	142	323	41	50
5	69	41	33	27	25	30	51	608	404	335	38	61
6	66	39	38	25	28	31	44	630	452	324	37	55
7	72	36	33	24	28	32	50	266	655	353	37	88
8	69	44	30	22	29	32	52	185	529	393	37	60
9	67	28	15	23	30	33	57	92	498	335	37	43
10	68	36	38	22	30	32	54	102	539	285	37	87
11	65	35	51	22	30	30	45	116	604	233	37	100
12	64	38	41	24	30	30	42	114	579	359	37	95
13	67	38	36	26	26	31	46	152	527	379	45	94
14	72	38	33	26	25	33	43	174	483	353	49	103
15	73	39	26	26	25	32	43	224	454	114	52	93
16	71	35	33	26	28	31	55	528	442	41	47	67
17	72	37	34	26	25	29	68	549	413	49	45	58
18	73	35	33	30	25	29	67	604	451	54	46	62
19	70	35	31	27	26	30	68	555	291	49	47	68
20	71	36	30	28	25	29	66	601	297	47	49	105
21	64	35	36	27	25	31	69	585	309	31	48	120
22	67	36	44	28	26	30	68	272	446	35	45	122
23	68	36	35	28	26	31	61	203	513	37	46	117
24	59	36	41	28	28	34	58	270	439	36	43	109
25	57	36	59	27	28	31	101	356	304	36	41	118
26	64	35	62	29	28	36	104	474	237	37	50	136
27	63	36	35	31	28	34	78	410	232	38	52	136
28	63	36	33	28	28	32	83	273	230	31	49	117
29	59	40	31	30	28	35	71	185	257	29	47	103
30	58	39	30	28	---	35	53	131	235	105	44	106
31	55	---	31	30	---	33	---	145	---	73	42	---
TOTAL	1995	1111	1110	833	796	975	1748	10282	11321	5391	1432	2620
MEAN	64.4	37.0	35.8	26.9	27.4	31.5	58.3	332	377	174	46.2	87.3
AC-FT	3960	2200	2200	1650	1580	1930	3470	20390	22460	10690	2840	5200
MAX	73	48	62	31	31	36	104	630	655	393	104	136
MIN	35	28	15	22	25	29	32	92	104	29	37	43
CAL YR 1995 TOTAL		56945	MEAN	156	MAX	2070	MIN	15	AC-FT	113000		
WTR YR 1996 TOTAL		39614	MEAN	108	MAX	655	MIN	15	AC-FT	78570		

MAX DISCH 814 CFS AT 0415 02-JUL-1996 GH 4.00 FT. SHIFT -0.13 FT. MAX GH 4.00 FT. AT 0415 02-JUL-1996

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



PLATTE RIVER BASIN

BUCKHORN CREEK NEAR MASONVILLE, CO

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

DRAINAGE AREA.--

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

REMARKS.--Record is complete except for the following periods: Oct. 1-5; Nov. 2-22; Dec. 13, 1995; Jan. 7-11, 19-31; Feb. 1-6; Apr. 19-22; May 5-31; June 5-11, 25; Aug. 19-20; Sep. 23-30, 1996 when the chart gage-height was used. Record is poor to fair. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--BUCRMVCO05 USED FROM 01-OCT-1995 TO 30-SEP-1996

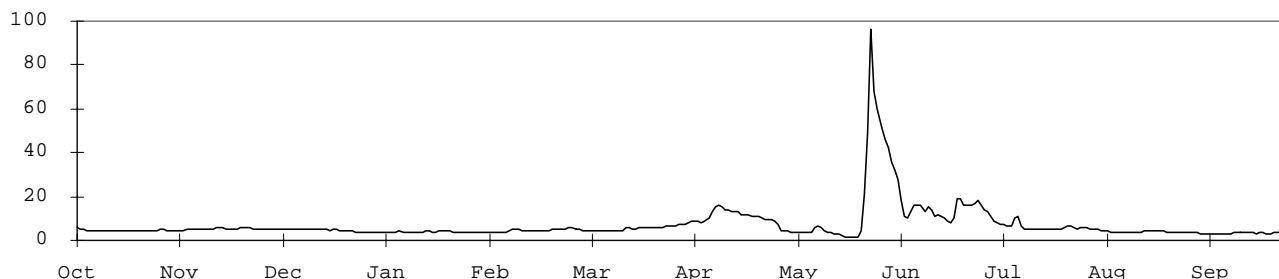
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	4.3	5.1	3.7	3.4	4.6	7.5	4.3	42	13	5.4	3.7
2	4.9	4.6	4.9	3.7	3.4	4.6	8.0	4.3	36	11	4.8	3.5
3	4.9	4.9	5.1	3.7	3.4	4.3	8.6	4.0	32	9.0	4.8	3.0
4	4.6	4.9	5.3	3.7	3.4	4.3	9.1	4.0	28	7.8	4.5	3.0
5	4.6	4.9	5.3	3.7	3.4	4.5	8.9	3.7	18	7.1	4.3	2.8
6	4.6	4.9	5.3	4.1	3.4	4.4	8.0	3.7	11	7.5	4.3	3.0
7	4.5	4.9	5.3	4.0	3.7	4.3	8.8	3.4	10	6.9	4.0	3.0
8	4.3	4.9	4.9	4.0	4.2	4.3	10	3.4	13	6.4	4.0	2.9
9	4.3	4.9	4.9	4.0	4.8	4.3	13	3.4	16	10	4.0	2.9
10	4.5	4.9	4.9	4.0	4.9	4.3	15	5.7	16	11	4.0	2.9
11	4.6	5.3	5.3	4.0	4.8	4.3	16	6.6	16	6.5	4.0	2.9
12	4.6	5.7	5.4	3.9	4.6	4.3	15	6.2	13	4.8	3.9	3.0
13	4.6	6.2	4.9	4.0	4.7	4.4	14	4.6	15	5.1	3.7	3.3
14	4.6	6.2	4.8	4.2	4.5	5.6	14	4.0	14	5.1	3.7	3.9
15	4.6	5.3	4.9	4.3	4.6	5.7	13	3.7	11	5.2	3.7	4.0
16	4.6	5.3	4.6	4.0	4.6	5.4	13	3.2	12	5.3	4.0	3.3
17	4.6	5.3	5.0	4.0	4.7	5.2	13	2.6	11	5.0	4.6	3.4
18	4.6	5.3	4.9	4.1	4.6	5.7	12	2.0	10	5.2	4.3	3.7
19	4.6	5.7	4.7	4.3	4.6	5.7	12	1.8	8.5	5.3	4.3	3.8
20	4.6	5.7	4.5	4.3	4.7	5.6	12	1.7	7.8	5.2	4.3	3.2
21	4.6	5.7	4.6	4.3	5.2	5.6	11	1.7	10	5.2	4.3	3.4
22	4.6	5.7	4.6	4.0	5.3	5.5	11	1.6	19	5.3	4.3	3.4
23	4.5	5.3	4.3	3.7	5.4	6.2	11	1.7	19	5.4	4.1	3.2
24	4.4	5.3	4.0	3.4	5.3	6.2	10	4.3	16	6.2	4.0	3.2
25	4.5	5.3	4.0	3.4	5.3	6.2	9.8	21	16	6.4	4.0	3.4
26	5.1	5.2	4.0	3.4	6.1	6.4	9.6	49	16	6.4	4.0	3.4
27	4.8	5.3	3.9	3.4	6.1	6.8	9.2	96	17	5.7	4.0	3.7
28	4.3	5.3	3.9	3.4	5.4	6.9	9.1	68	18	5.3	4.0	3.7
29	4.3	5.3	3.8	3.4	4.9	6.5	7.5	60	16	5.7	4.0	3.7
30	4.3	5.3	4.0	3.4	---	7.0	4.7	51	14	5.7	3.7	3.7
31	4.3	---	3.7	3.4	---	7.2	---	46	---	5.8	3.7	---
TOTAL	143.1	157.8	144.8	118.9	133.4	166.3	323.8	476.6	501.3	205.5	128.7	100.0
MEAN	4.62	5.26	4.67	3.84	4.60	5.36	10.8	15.4	16.7	6.63	4.15	3.33
AC-FT	284	313	287	236	265	330	642	945	994	408	255	198
MAX	6.2	6.2	5.4	4.3	6.1	7.2	16	96	42	13	5.4	4.0
MIN	4.3	4.3	3.7	3.4	3.4	4.3	4.7	1.6	7.8	4.8	3.7	2.8

CAL YR 1995 TOTAL 16786.0 MEAN 46.0 MAX 1640 MIN 0.00 AC-FT 33300  
WTR YR 1996 TOTAL 2600.2 MEAN 7.10 MAX 96 MIN 1.6 AC-FT 5160

MAX DISCH 117 CFS AT 1000 27-MAY-1996 GH 5.54 FT. SHIFT -0.33 FT. MAX GH 5.54 FT. AT 1000 27-MAY-1996

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



PLATTE RIVER BASIN

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

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

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

REMARKS.--Record is complete and reliable. Oct. 14-18, 1996, canal was shut down for maintenance work. Chart gage-heights were used for the following periods: Oct. 4-5, 8, 11, 1996, when DCP was off. Record is good. Station maintained and record developed by Merlin Friedrichsen.

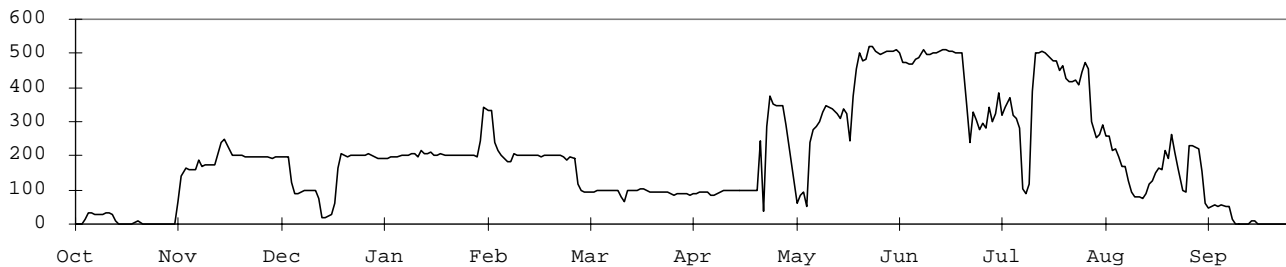
RATING TABLE.--HFCBBSCO13 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	66	195	193	344	97	88	349	506	283	456	230
2	0.0	140	197	192	335	93	88	290	504	341	302	225
3	0.0	162	198	193	332	94	86	225	507	301	254	220
4	13	161	199	196	240	95	87	128	510	323	262	154
5	32	161	123	198	214	95	91	63	500	384	292	63
6	32	161	91	199	202	97	95	84	474	317	256	48
7	27	189	89	201	190	97	95	93	473	344	259	51
8	27	171	93	202	182	97	92	50	470	369	215	58
9	29	173	99	203	185	98	85	237	470	317	222	50
10	33	172	99	205	204	97	85	278	482	308	199	54
11	34	172	99	205	202	97	88	285	488	283	169	50
12	29	174	99	197	201	97	95	298	509	101	168	53
13	11	206	74	215	201	81	97	330	499	87	126	15
14	0.0	237	20	204	201	64	97	345	498	118	96	1.7
15	0.0	249	19	206	200	99	99	341	503	391	78	1.6
16	0.0	220	23	210	200	100	98	337	502	503	78	1.5
17	0.0	200	28	202	200	100	97	322	504	502	77	1.4
18	0.0	201	61	202	199	100	97	310	511	505	90	1.4
19	3.6	201	165	206	201	101	99	339	513	501	118	10
20	8.0	200	204	203	200	101	98	325	508	493	126	7.7
21	0.0	197	201	203	200	100	98	242	504	476	150	0.31
22	0.0	197	199	201	200	94	100	375	503	476	165	0.0
23	0.0	198	200	201	200	95	100	454	502	451	160	0.0
24	0.0	197	201	201	200	94	244	501	500	464	216	0.0
25	0.0	198	201	202	199	95	36	479	348	425	194	0.02
26	0.0	197	201	202	188	94	288	484	240	418	262	0.0
27	0.0	196	202	201	198	95	375	521	326	418	212	0.0
28	0.0	197	207	202	193	91	352	521	303	420	162	0.0
29	0.0	194	202	200	115	86	346	504	276	409	97	0.0
30	0.0	197	198	199	---	87	345	495	293	447	95	0.0
31	0.0	---	194	245	---	88	---	503	---	472	229	---
TOTAL	278.6	5584	4381	6289	6126	2919	4141	10108	13726	11647	5785	1296.63
MEAN	8.99	186	141	203	211	94.2	138	326	458	376	187	43.2
AC-FT	553	11080	8690	12470	12150	5790	8210	20050	27230	23100	11470	2570
MAX	34	249	207	245	344	101	375	521	513	505	456	230
MIN	0.0	66	19	192	115	64	36	50	240	87	77	0.0
CAL YR 1995 TOTAL		61226.9	MEAN	168	MAX	525	MIN	0.00	AC-FT	121400		
WTR YR 1996 TOTAL		72281.23	MEAN	197	MAX	521	MIN	0.00	AC-FT	143400		

MAX DISCH 539 CFS AT 1230 27-MAY-1996 GH 8.33 FT. SHIFT 0.00 FT. MAX GH 8.33 FT. AT 1230 27-MAY-1996

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



PLATTE RIVER BASIN

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

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

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

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

RATING TABLE.--HFCWASCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

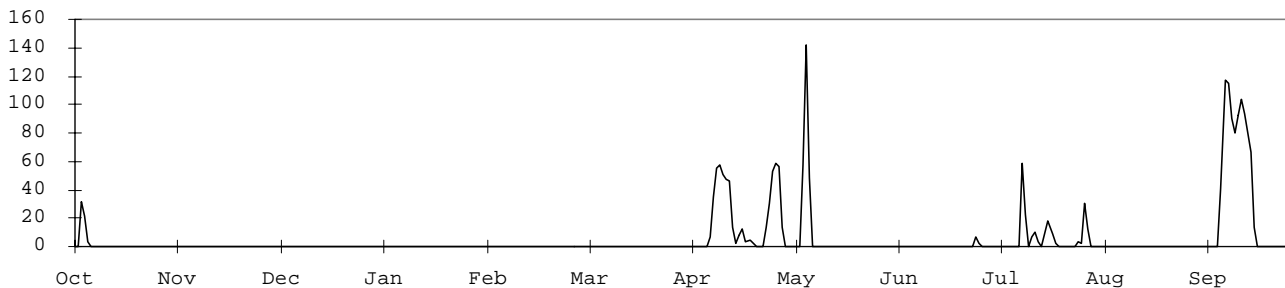
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	14	0.0	0.0	12	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	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	3.4	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	58	0.00	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	142	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	7.3	48	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	35	0.0	0.0	0.0	0.0	41
11	0.0	0.0	0.0	0.0	0.0	0.0	55	0.0	0.0	0.0	0.0	117
12	0.0	0.0	0.0	0.0	0.0	0.0	57	0.0	0.0	59	0.0	115
13	0.0	0.0	0.0	0.0	0.0	0.0	51	0.0	0.0	23	0.0	90
14	0.0	0.0	0.0	0.0	0.0	0.0	47	0.0	0.0	0.0	0.0	80
15	0.0	0.0	0.0	0.0	0.0	0.0	46	0.0	0.0	7.3	0.0	92
16	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0	10	0.0	104
17	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	3.1	0.0	94
18	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	80
19	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	9.2	0.0	66
20	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	18	0.0	13
21	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	9.4	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	1.8	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	0.01	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	14	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	53	0.0	6.3	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	59	0.0	2.6	3.9	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	56	0.0	0.0	1.7	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	30	0.0	---
TOTAL	55.4	0.0	0.0	0.0	0.0	0.0	555.5	262.02	8.91	176.4	12	892
MEAN	1.79	0.0	0.0	0.0	0.0	0.0	18.5	8.45	0.30	5.69	0.39	29.7
AC-FT	110	0.0	0.0	0.0	0.0	0.0	1100	520	18	350	24	1770
MAX	31	0.0	0.0	0.0	0.0	0.0	59	142	6.3	59	12	117
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 1995 TOTAL 6044.5 MEAN 16.6 MAX 295 MIN 0.00 AC-FT 11990  
WTR YR 1996 TOTAL 1962.22 MEAN 5.36 MAX 142 MIN 0.00 AC-FT 3890

MAX DISCH 183 CFS AT 1130 08-MAY-1996 GH 2.05 FT. SHIFT 0.00 FT. MAX GH 2.05 FT. AT 1130 08-MAY-1996

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





PLATTE RIVER BASIN

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

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

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

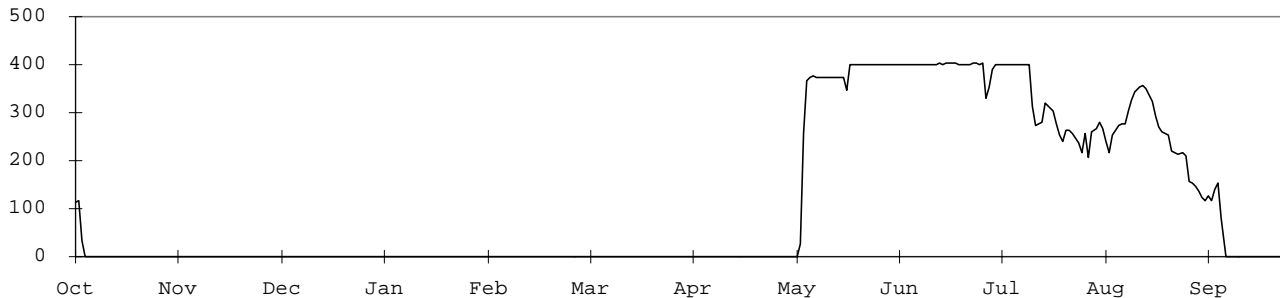
REMARKS.--Record is complete except for the following periods: Oct. 4-5; Nov. 1-Dec. 31, 1995-May 6, 1996 when canal was off. The chart and DCP data records cubic feet per second, not gage-heights. Record is fair due to difference in checking the chart by NCWCD personnel and State personnel. Record developed by Merlin Friedrichsen.

RATING TABLE.--HFCPPLCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	331	206	154
2	118	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	352	260	147
3	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	389	268	138
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	400	281	123
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	399	266	118
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	400	400	241	127
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	257	400	400	216	116
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	366	400	400	255	141
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	373	400	400	264	153
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	378	400	400	275	80
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	373	400	400	278	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	373	400	400	276	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	373	400	400	302	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	373	400	400	328	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	373	400	315	342	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	373	400	275	353	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	373	402	277	356	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	373	401	280	349	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	373	402	321	337	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	348	402	312	322	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	402	303	295	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	402	277	269	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	400	255	260	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	400	241	258	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	400	262	254	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	400	262	220	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	402	258	216	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	402	246	212	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	400	238	217	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	400	402	217	211	0.0
31	0.0	---	0.0	0.0	---	0.0	---	400	---	256	158	---
TOTAL	268	0.0	0.0	0.0	0.0	0.0	0.0	9506	12017	10066	8345	1297
MEAN	8.65	0.0	0.0	0.0	0.0	0.0	0.0	307	401	325	269	43.2
AC-FT	532	0.0	0.0	0.0	0.0	0.0	0.0	18860	23840	19970	16550	2570
MAX	118	0.0	0.0	0.0	0.0	0.0	0.0	400	402	400	356	154
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	217	158	0.0
CAL YR 1995 TOTAL		44627	MEAN	122	MAX	380	MIN	0.00	AC-FT	88520		
WTR YR 1996 TOTAL		41499	MEAN	113	MAX	402	MIN	0.00	AC-FT	82310		

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



## PLATTE RIVER BASIN

## BOULDER CREEK SUPPLY CANAL TO BOULDER CREEK NEAR BOULDER, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable. The canal was closed for winter from Nov. 1, 1995-Mar. 31, 1996; Apr. 2-May 6, 1996. Record is good. Record developed by Fred Renner.

RATING TABLE.--BCSCBCCO2 USED FROM 01-OCT-1995 TO 30-SEP-1996

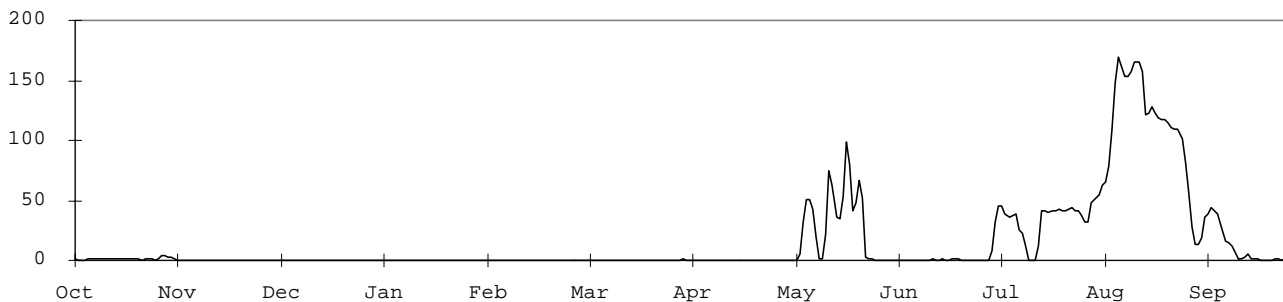
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.69	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.14	0.33	32	28
2	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.44	48	13
3	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	7.7	52	13
4	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	32	55	19
5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	46	63	36
6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.23	45	66	39
7	0.99	0.0	0.0	0.0	0.0	0.0	0.0	32	0.23	39	79	44
8	0.99	0.0	0.0	0.0	0.0	0.0	0.0	51	0.23	36	109	41
9	0.99	0.0	0.0	0.0	0.0	0.0	0.0	51	0.33	38	148	39
10	0.99	0.0	0.0	0.0	0.0	0.0	0.0	43	0.33	39	170	29
11	0.99	0.0	0.0	0.0	0.0	0.0	0.0	20	0.44	25	162	16
12	0.84	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.44	23	153	15
13	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.99	0.44	12	154	12
14	1.2	0.0	0.0	0.0	0.0	0.0	0.0	22	0.56	0.0	158	7.3
15	1.2	0.0	0.0	0.0	0.0	0.0	0.0	75	0.69	0.0	165	1.9
16	1.2	0.0	0.0	0.0	0.0	0.0	0.0	63	0.56	0.0	165	1.5
17	1.2	0.0	0.0	0.0	0.0	0.0	0.0	36	0.44	12	158	2.9
18	1.2	0.0	0.0	0.0	0.0	0.0	0.0	35	0.99	41	121	5.1
19	1.3	0.0	0.0	0.0	0.0	0.0	0.0	53	0.44	41	123	1.9
20	1.2	0.0	0.0	0.0	0.0	0.0	0.0	99	0.44	40	128	0.99
21	0.56	0.0	0.0	0.0	0.0	0.0	0.0	80	0.69	41	123	0.84
22	0.84	0.0	0.0	0.0	0.0	0.0	0.0	41	1.5	41	119	0.33
23	0.84	0.0	0.0	0.0	0.0	0.0	0.0	48	0.99	43	118	0.33
24	0.84	0.0	0.0	0.0	0.0	0.0	0.0	67	0.44	42	118	0.33
25	0.33	0.0	0.0	0.0	0.0	0.0	0.0	52	0.44	42	115	0.44
26	0.83	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.33	43	111	1.9
27	3.5	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.33	44	110	1.5
28	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.99	0.56	41	110	0.56
29	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.44	41	102	0.69
30	3.2	0.0	0.0	0.0	---	0.0	0.0	0.23	0.33	38	81	2.1
31	1.8	---	0.0	0.0	---	0.0	---	0.14	---	32	56	---
TOTAL	40.15	0.0	0.0	0.0	0.0	0.0	1.4	882.08	13.90	925.47	3472	374.61
MEAN	1.30	0.0	0.0	0.0	0.0	0.0	0.05	28.5	0.46	29.9	112	12.5
AC-FT	80	0.0	0.0	0.0	0.0	0.0	2.8	1750	28	1840	6890	743
MAX	3.5	0.0	0.0	0.0	0.0	0.0	1.4	99	1.5	46	170	44
MIN	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.0	32	0.33

CAL YR 1995 TOTAL 3253.26 MEAN 8.91 MAX 82 MIN 0.00 AC-FT 6450  
WTR YR 1996 TOTAL 5709.61 MEAN 15.6 MAX 170 MIN 0.00 AC-FT 11330

MAX DISCH 176 CFS AT 1200 17-AUG-1996 GH 2.50 FT. SHIFT 0.00 FT. MAX GH 2.50 FT. AT 1200 17-AUG-1996

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



PLATTE RIVER BASIN

BOULDER CREEK FEEDER CANAL NEAR LYONS, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following period: Nov. 3, 1995-Apr. 4, 1996 when station was closed for the winter. Record is good. Record developed by Fred Renner.

RATING TABLE.--BFCLYOCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

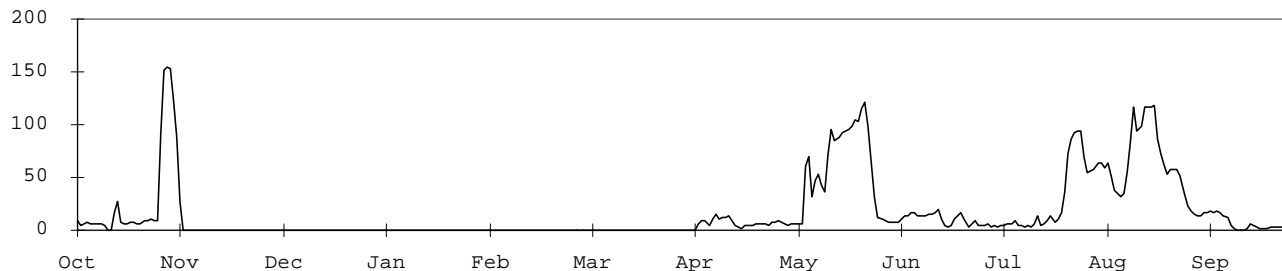
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	28	0.0	0.0	0.0	0.0	0.0	6.2	7.5	5.6	56	15
2	4.6	0.35	0.0	0.0	0.0	0.0	0.0	4.7	7.9	3.5	58	14
3	6.5	0.0	0.0	0.0	0.0	0.0	0.0	6.8	7.2	4.4	64	14
4	7.2	0.0	0.0	0.0	0.0	0.0	0.0	6.5	8.0	3.3	63	16
5	6.5	0.0	0.0	0.0	0.0	0.0	6.4	5.9	11	5.0	59	17
6	6.5	0.0	0.0	0.0	0.0	0.0	9.7	6.2	14	5.3	63	18
7	6.2	0.0	0.0	0.0	0.0	0.0	9.0	60	14	6.8	52	17
8	6.8	0.0	0.0	0.0	0.0	0.0	5.1	69	16	6.2	38	18
9	4.4	0.0	0.0	0.0	0.0	0.0	11	32	16	9.3	35	17
10	0.57	0.0	0.0	0.0	0.0	0.0	15	47	14	3.8	32	14
11	0.0	0.0	0.0	0.0	0.0	0.0	11	53	13	4.7	35	12
12	16	0.0	0.0	0.0	0.0	0.0	12	42	14	3.6	54	4.0
13	27	0.0	0.0	0.0	0.0	0.0	12	36	15	3.8	83	1.4
14	7.2	0.0	0.0	0.0	0.0	0.0	13	71	15	3.1	116	0.71
15	6.8	0.0	0.0	0.0	0.0	0.0	9.3	96	17	6.7	94	0.23
16	6.8	0.0	0.0	0.0	0.0	0.0	4.1	85	19	14	98	0.45
17	7.5	0.0	0.0	0.0	0.0	0.0	2.4	88	11	5.3	116	1.5
18	7.2	0.0	0.0	0.0	0.0	0.0	2.2	92	4.4	6.7	116	5.4
19	5.4	0.0	0.0	0.0	0.0	0.0	5.0	94	3.6	9.3	116	3.8
20	6.8	0.0	0.0	0.0	0.0	0.0	5.0	96	5.0	14	118	3.1
21	8.6	0.0	0.0	0.0	0.0	0.0	5.3	99	10	7.9	87	1.7
22	9.7	0.0	0.0	0.0	0.0	0.0	5.6	104	14	10	73	1.7
23	10	0.0	0.0	0.0	0.0	0.0	5.9	103	16	17	62	1.9
24	9.7	0.0	0.0	0.0	0.0	0.0	6.8	115	11	37	53	2.4
25	9.5	0.0	0.0	0.0	0.0	0.0	6.8	121	3.1	72	57	2.4
26	91	0.0	0.0	0.0	0.0	0.0	5.3	99	6.7	87	58	2.4
27	151	0.0	0.0	0.0	0.0	0.0	7.9	65	9.3	93	58	2.6
28	154	0.0	0.0	0.0	0.0	0.0	8.2	32	5.0	94	51	2.6
29	153	0.0	0.0	0.0	0.0	0.0	8.6	12	4.4	94	34	2.8
30	122	0.0	0.0	0.0	---	0.0	7.2	11	4.1	69	23	3.3
31	88	---	0.0	0.0	---	0.0	---	9.3	---	55	18	---
TOTAL	954.87	28.35	0.0	0.0	0.0	0.0	199.8	1767.6	316.2	760.3	2040	216.39
MEAN	30.8	0.95	0.0	0.0	0.0	0.0	6.66	57.0	10.5	24.5	65.8	7.21
AC-FT	1890	56	0.0	0.0	0.0	0.0	396	3510	627	1510	4050	429
MAX	154	28	0.0	0.0	0.0	0.0	15	121	19	94	118	18
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	3.1	3.1	18	0.23

CAL YR 1995 TOTAL 7661.65 MEAN 21.0 MAX 154 MIN 0.00 AC-FT 15200  
WTR YR 1996 TOTAL 6283.51 MEAN 17.2 MAX 154 MIN 0.00 AC-FT 12460

MAX DISCH 158 CFS AT 1045 24-MAY-1996 GH 2.35 FT. SHIFT 0.00 FT. MAX GH 2.35 FT. AT 1045 24-MAY-1996

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



PLATTE RIVER BASIN

BOULDER FEEDER CANAL TO LEFTHAND CREEK

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following period: Oct. 1, 1995-May 14, 1996; May 27-July 24, 1996 when canal was off. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--BFCLHCCO2 USED FROM 01-OCT-1995 TO 30-SEP-1996

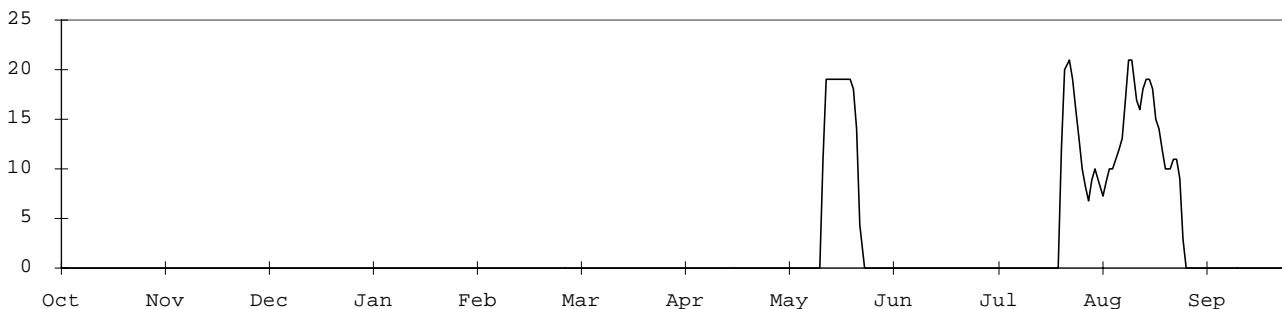
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	8.3	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	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	11	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	21	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	17	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	16	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	18	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	19	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	19	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	18	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	15	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	14	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	12	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	12	10	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	20	10	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	11	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	11	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	9.1	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	13	2.9	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	10	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	199.4	0.0	111	375.8	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.43	0.0	3.58	12.1	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	396	0.0	220	745	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	21	21	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 1995 TOTAL 822.3 MEAN 2.25 MAX 20 MIN 0.00 AC-FT 1630  
WTR YR 1996 TOTAL 686.2 MEAN 1.87 MAX 21 MIN 0.00 AC-FT 1360

MAX DISCH 22 CFS AT 0805 14-AUG-1996 GH 1.22 FT. SHIFT 0.00 FT. MAX GH 1.22 FT. AT 0805 14-AUG-1996

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



## PLATTE RIVER BASIN

## DRY CREEK TURNOUT NEAR NIWOT, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following period: Nov. 1, 1995-May 7, 1996 when station was closed. Record is good. Station maintained and record developed by Fred Renner.

RATING TABLE.--DRYCRKCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

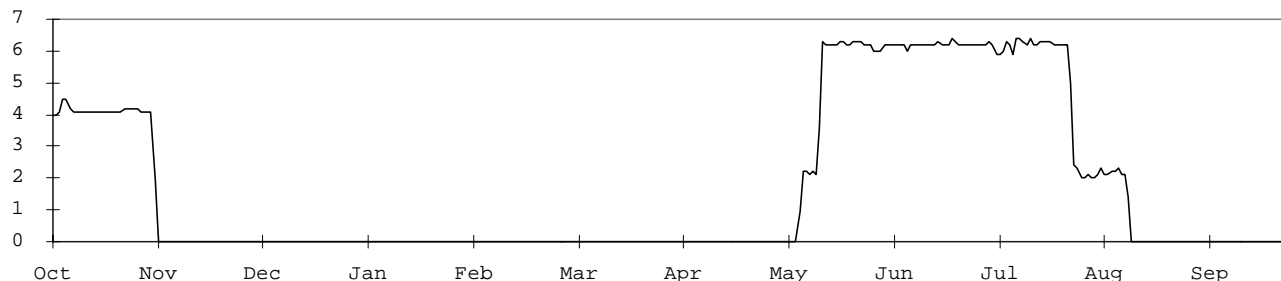
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.2	2.1	0.0
2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.2	2.0	0.0
3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.3	2.0	0.0
4	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.2	2.1	0.0
5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	5.9	2.3	0.0
6	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	5.9	2.1	0.0
7	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.0	2.1	0.0
8	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.96	6.2	6.3	2.2	0.0
9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	2.2	6.0	6.2	2.2	0.0
10	4.1	0.0	0.0	0.0	0.0	0.0	0.0	2.2	6.2	5.9	2.3	0.0
11	4.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1	6.2	6.4	2.1	0.0
12	4.1	0.0	0.0	0.0	0.0	0.0	0.0	2.2	6.2	6.4	2.1	0.0
13	4.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1	6.2	6.3	1.4	0.0
14	4.1	0.0	0.0	0.0	0.0	0.0	0.0	3.6	6.2	6.2	0.0	0.0
15	4.1	0.0	0.0	0.0	0.0	0.0	0.0	6.3	6.2	6.4	0.0	0.0
16	4.1	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.2	6.2	0.0	0.0
17	4.1	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.2	6.2	0.0	0.0
18	4.1	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.3	6.3	0.0	0.0
19	4.1	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.2	6.3	0.0	0.0
20	4.1	0.0	0.0	0.0	0.0	0.0	0.0	6.3	6.2	6.3	0.0	0.0
21	4.1	0.0	0.0	0.0	0.0	0.0	0.0	6.3	6.2	6.3	0.0	0.0
22	4.2	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.4	6.2	0.0	0.0
23	4.2	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.3	6.2	0.0	0.0
24	4.2	0.0	0.0	0.0	0.0	0.0	0.0	6.3	6.2	6.2	0.0	0.0
25	4.2	0.0	0.0	0.0	0.0	0.0	0.0	6.3	6.2	6.2	0.0	0.0
26	4.2	0.0	0.0	0.0	0.0	0.0	0.0	6.3	6.2	6.2	0.0	0.0
27	4.1	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.2	5.0	0.0	0.0
28	4.1	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.2	2.4	0.0	0.0
29	4.1	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.2	2.3	0.0	0.0
30	4.1	0.0	0.0	0.0	---	0.0	0.0	6.0	6.2	2.0	0.0	0.0
31	1.9	---	0.0	0.0	---	0.0	---	6.0	---	2.0	0.0	---
TOTAL	126.1	0.0	0.0	0.0	0.0	0.0	0.0	120.96	186.0	175.1	27.0	0.0
MEAN	4.07	0.0	0.0	0.0	0.0	0.0	0.0	3.90	6.20	5.65	0.87	0.0
AC-FT	250	0.0	0.0	0.0	0.0	0.0	0.0	240	369	347	54	0.0
MAX	4.5	0.0	0.0	0.0	0.0	0.0	0.0	6.3	6.4	6.4	2.3	0.0
MIN	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.0	0.0	0.0

CAL YR 1995 TOTAL 885.1 MEAN 2.42 MAX 20 MIN 0.00 AC-FT 1760  
WTR YR 1996 TOTAL 635.16 MEAN 1.74 MAX 6.4 MIN 0.00 AC-FT 1260

MAX DISCH 21 CFS AT 0930 06-JUN-1996 GH 1.64 FT. SHIFT 0.00 FT. MAX GH 1.64 FT. AT 0930 06-JUN-1996

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



## PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

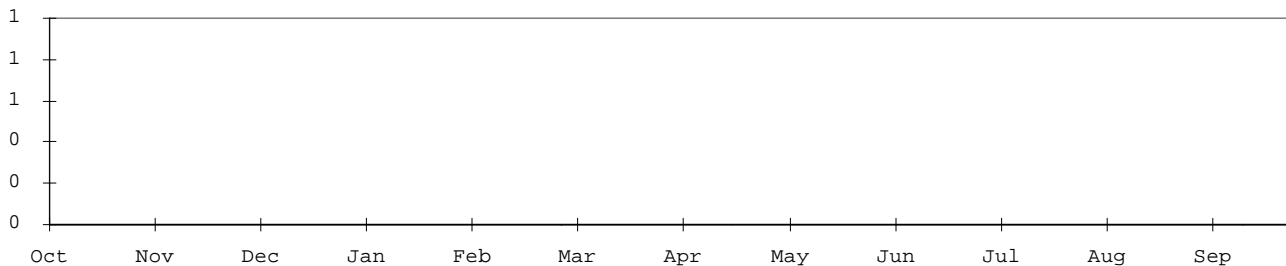
REMARKS.--No flow this water year. Record maintained by Fred Renner.

RATING TABLE.--HFCCCR001 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	---	---
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 1995 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		
WTR YR 1996 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		

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



## PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

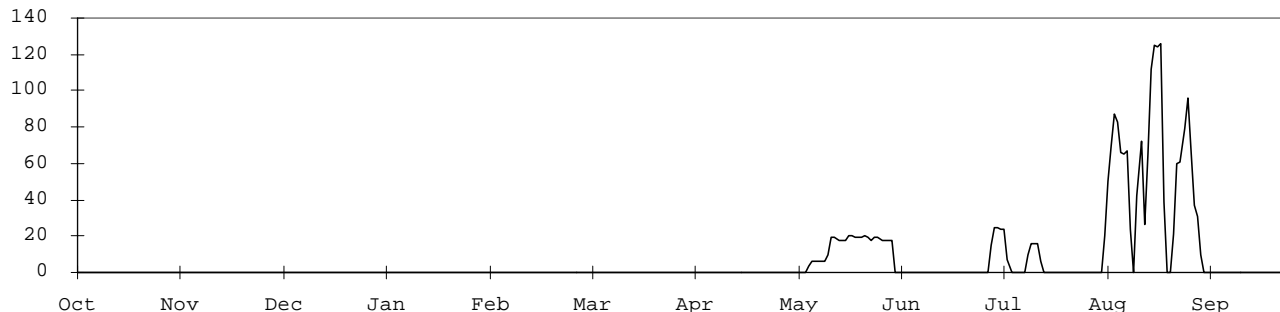
REMARKS.--All figures supplied by the district water commissioner from Conservancy District records and partial year recorder charts. Record developed by Rodger Burcher.

RATING TABLE.--SPSCFLCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	37
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	15	0.0	31
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0	9.6
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	20	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	50	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	70	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	87	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	83	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	66	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	65	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	67	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	9.9	24	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.0	16	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	16	42	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	16	72	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	6.5	26	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	65	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	112	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0	125	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0	124	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	126	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	39	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	21	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	60	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	61	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	0.0	79	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	18	0.0	0.0	96	0.0
31	0.0	---	0.0	0.0	---	0.0	---	18	---	0.0	66	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	363.5	36	184.3	1646	77.6
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	1.20	5.95	53.1	2.59
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	721	71	366	3260	154
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	18	25	126	37
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 1995 TOTAL			0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00	
WTR YR 1996 TOTAL		2307.4	MEAN	6.30	MAX	126	MIN	0.00	AC-FT	4580		

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



PLATTE RIVER BASIN

ST. VRAIN SUPPLY CANAL NEAR LYONS, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following period: Oct. 22-28, 1995 when clock had a problem; Nov. 2, 1995-Apr. 4, 1996 when station was closed for the winter; Apr. 28, 1996 clock problem; June 3-July 1, 1996 when chart was lost. Record is good. Period of no gage-height record was estimated using partial chart record and DCP data and print out of discharges from chart by NCWCD. Station maintained and record developed by Fred Renner.

RATING TABLE.--SVSLYOCO05 USED FROM 01-OCT-1995 TO 30-SEP-1996

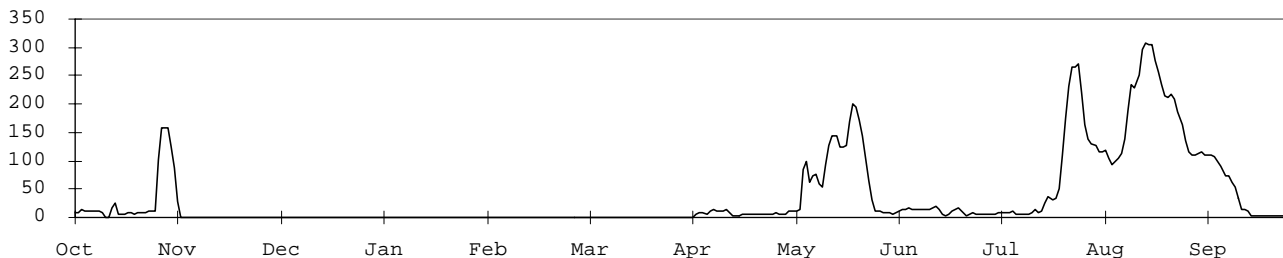
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	27	0.0	0.0	0.0	0.0	0.0	6.0	7.2	6.0	139	110
2	9.5	0.0	0.0	0.0	0.0	0.0	0.0	6.4	7.7	5.2	129	111
3	13	0.0	0.0	0.0	0.0	0.0	0.0	12	7.0	6.4	126	112
4	12	0.0	0.0	0.0	0.0	0.0	0.0	12	7.8	6.0	116	115
5	12	0.0	0.0	0.0	0.0	0.0	6.4	12	11	7.2	116	109
6	12	0.0	0.0	0.0	0.0	0.0	9.5	15	14	7.2	119	110
7	11	0.0	0.0	0.0	0.0	0.0	8.1	85	14	9.0	105	109
8	12	0.0	0.0	0.0	0.0	0.0	5.2	100	16	8.6	92	106
9	9.6	0.0	0.0	0.0	0.0	0.0	11	62	15	12	100	100
10	1.4	0.0	0.0	0.0	0.0	0.0	14	74	14	4.8	105	89
11	1.2	0.0	0.0	0.0	0.0	0.0	11	75	14	5.6	112	73
12	16	0.0	0.0	0.0	0.0	0.0	12	60	14	5.6	137	73
13	25	0.0	0.0	0.0	0.0	0.0	12	54	15	5.6	190	62
14	6.8	0.0	0.0	0.0	0.0	0.0	13	92	15	5.6	233	53
15	6.8	0.0	0.0	0.0	0.0	0.0	9.0	128	17	9.1	230	34
16	6.8	0.0	0.0	0.0	0.0	0.0	3.8	143	19	15	252	15
17	7.2	0.0	0.0	0.0	0.0	0.0	2.5	143	13	7.2	297	15
18	7.2	0.0	0.0	0.0	0.0	0.0	2.2	125	4.8	10	307	10
19	5.2	0.0	0.0	0.0	0.0	0.0	4.8	125	4.2	24	306	3.8
20	7.2	0.0	0.0	0.0	0.0	0.0	4.8	126	6.0	37	306	3.1
21	8.6	0.0	0.0	0.0	0.0	0.0	4.8	168	11	32	277	1.7
22	9.5	0.0	0.0	0.0	0.0	0.0	5.2	199	14	34	256	1.9
23	10	0.0	0.0	0.0	0.0	0.0	5.2	196	17	52	233	2.2
24	10	0.0	0.0	0.0	0.0	0.0	6.0	171	12	111	214	2.5
25	11	0.0	0.0	0.0	0.0	0.0	6.0	143	3.2	175	212	2.5
26	102	0.0	0.0	0.0	0.0	0.0	4.4	104	7.0	231	216	2.2
27	158	0.0	0.0	0.0	0.0	0.0	6.8	65	9.0	264	210	2.5
28	159	0.0	0.0	0.0	0.0	0.0	7.0	31	5.2	264	185	2.5
29	159	0.0	0.0	0.0	0.0	0.0	7.7	12	5.0	270	164	2.8
30	124	0.0	0.0	0.0	---	0.0	6.8	10	5.0	221	136	3.4
31	87	---	0.0	0.0	---	0.0	---	8.6	---	164	115	---
TOTAL	1027.8	27	0.0	0.0	0.0	0.0	189.2	2563.0	324.1	2015.1	5735	1437.1
MEAN	33.2	0.90	0.0	0.0	0.0	0.0	6.31	82.7	10.8	65.0	185	47.9
AC-FT	2040	54	0.0	0.0	0.0	0.0	375	5080	643	4000	11380	2850
MAX	159	27	0.0	0.0	0.0	0.0	14	199	19	270	307	115
MIN	1.2	0.0	0.0	0.0	0.0	0.0	0.0	6.0	3.2	4.8	92	1.7

CAL YR 1995 TOTAL 15909.3 MEAN 43.6 MAX 448 MIN 0.00 AC-FT 31560  
WTR YR 1996 TOTAL 13318.3 MEAN 36.4 MAX 307 MIN 0.00 AC-FT 26420

MAX DISCH 311 CFS AT 1030 19-AUG-1996 GH 2.75 FT. SHIFT 0.00 FT. MAX GH 2.75 FT. AT 1030 19-AUG-1996

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





PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable for Aug. 14-17, 22-29; Sep. 5-6, 1996 when the station was open. The record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--SVSLT1CO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

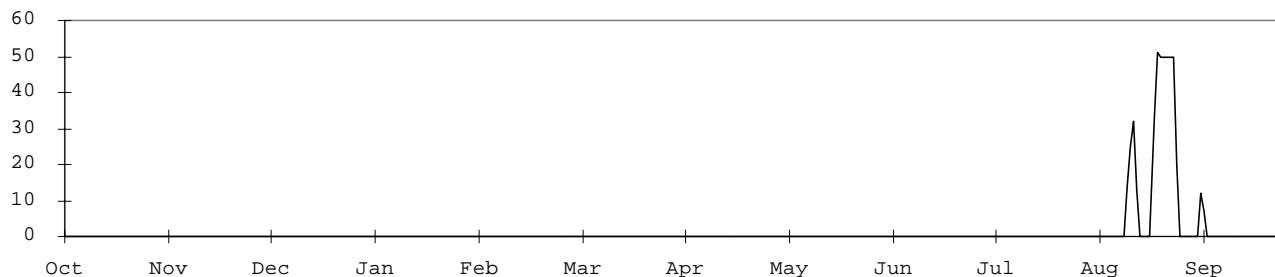
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	12
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
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	14	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	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	33	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	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	438	19.1
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	0.64
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	869	38
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	12
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 1995 TOTAL 760.5 MEAN 2.08 MAX 40 MIN 0.00 AC-FT 1510  
WTR YR 1996 TOTAL 457.1 MEAN 1.25 MAX 51 MIN 0.00 AC-FT 907

MAX DISCH 53 CFS AT 1000 22-AUG-1996 GH 2.13 FT. SHIFT 0.00 FT. MAX GH 2.13 FT. AT 1000 22-AUG-1996

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



## PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable for Oct. 1, 1995; May 14-27; July 7-Sep. 30, 1996 when the station was open. The record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--SVSLT2C003 USED FROM 01-OCT-1995 TO 30-SEP-1996

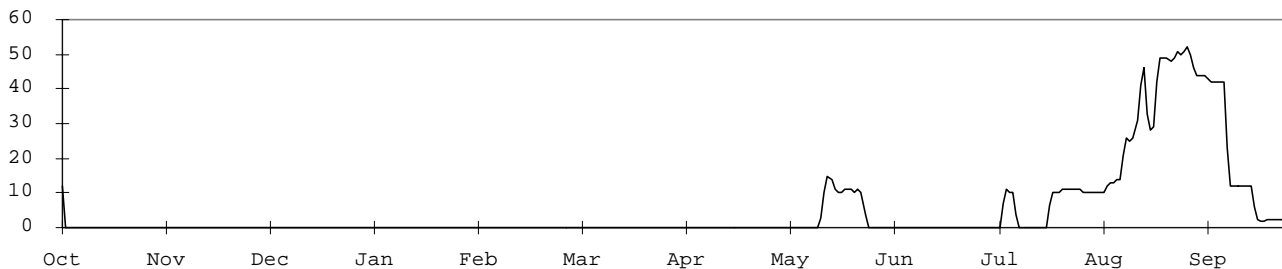
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	10	50
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	46
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	44
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	44
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	44
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	43
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	12	42
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	13	42
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	13	42
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	14	42
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	14	42
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	23
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	12
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	25	12
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	26	12
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	31	12
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0	41	12
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	46	12
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	33	12
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	28	5.9
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	6.4	29	2.3
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	10	42	2.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	10	49	2.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	10	49	2.4
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	11	49	2.4
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	11	48	2.4
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	11	49	2.4
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	51	2.4
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	50	1.7
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	51	1.3
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	10	52	---
TOTAL	12	0.0	0.0	0.0	0.0	0.0	0.0	140.5	0.0	154.0	922	615.2
MEAN	0.39	0.0	0.0	0.0	0.0	0.0	0.0	4.53	0.0	4.97	29.7	20.5
AC-FT	24	0.0	0.0	0.0	0.0	0.0	0.0	279	0.0	305	1830	1220
MAX	12	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	11	52	50
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	1.3

CAL YR 1995 TOTAL	2553.9	MEAN	7.00	MAX	53	MIN	0.00	AC-FT	5070
WTR YR 1996 TOTAL	1843.7	MEAN	5.04	MAX	52	MIN	0.00	AC-FT	3660

MAX DISCH 54 CFS AT 0925 29-AUG-1996 GH 2.17 FT. SHIFT 0.00 FT. MAX GH 2.17 FT. AT 0925 29-AUG-1996

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



PLATTE RIVER BASIN

ST. VRAIN SUPPLY CANAL TO HERTHA CREEK

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following periods: Oct. 1, 1995-Aug. 3, 1996 when station was closed; Aug. 21-22 when clock stopped. Record is good. Station maintained by NCWCD Personnel. Record developed by Fred Renner.

RATING TABLE.--SVSHERCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

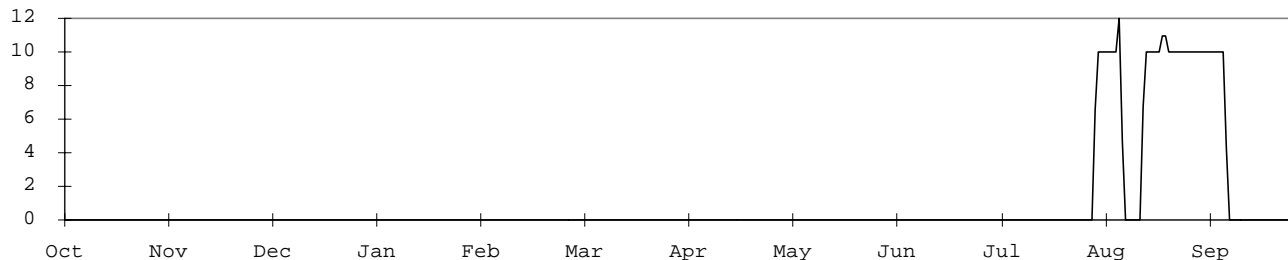
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	10
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	10
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	4.3
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	6.8	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	10	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	10	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	232.1	104.3
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.49	3.48
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	460	207
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	10
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1995 TOTAL 128.9 MEAN 0.35 MAX 12 MIN 0.00 AC-FT 256  
WTR YR 1996 TOTAL 336.4 MEAN 0.92 MAX 12 MIN 0.00 AC-FT 667

MAX DISCH 13 CFS AT 0630 10-AUG-1996 GH 0.86 FT. SHIFT 0.00 FT. MAX GH 0.86 FT. AT 0630 10-AUG-1996

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



PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

REMARKS.--Estimated days are DCP data from NCWCD. These values were used on days when no water was ordered to the Cache La Poudre River. This represents seepage. These days are Oct. 1-30, 1995; Mar. 29-31; Apr. 4-12, 17-19; May 18-20, 25-31; June 1-26; July 15-20; Aug. 31; Sep. 1, 6-7, 14-20, 22-30, 1996. The DCP value was not used on Sep. 21. The digitizer value was used on this day. Station maintained by NCWCD Personnel. Record developed by George Sievers.

RATING TABLE.--HSCCLPC002 USED FROM 01-OCT-1995 TO 30-SEP-1996

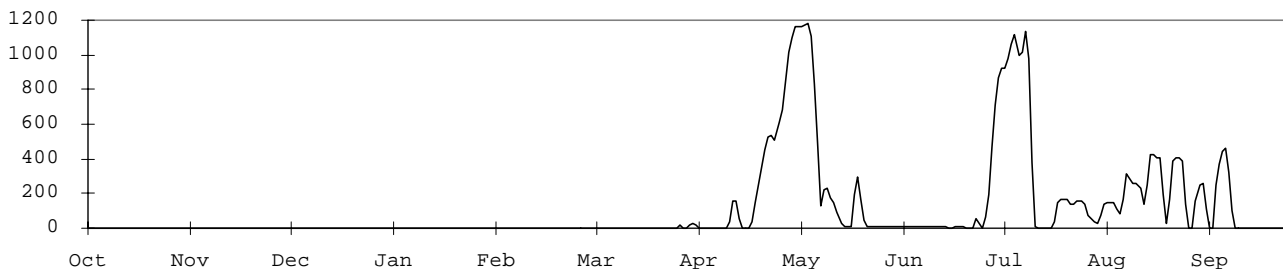
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.27	0.0	0.0	0.0	0.0	0.0	17	1020	5.8	190	51	4.4
2	0.20	0.0	0.0	0.0	0.0	0.0	32	1100	5.8	469	40	159
3	0.20	0.0	0.0	0.0	0.0	0.0	14	1160	5.3	715	32	248
4	0.43	0.0	0.0	0.0	0.0	0.0	1.6	1160	5.0	864	76	258
5	0.39	0.0	0.0	0.0	0.0	0.0	1.5	1160	5.3	924	138	114
6	0.35	0.0	0.0	0.0	0.0	0.0	1.6	1170	5.0	924	149	3.1
7	0.25	0.0	0.0	0.0	0.0	0.0	1.7	1180	5.2	981	151	2.2
8	0.54	0.0	0.0	0.0	0.0	0.0	2.4	1110	5.2	1060	151	247
9	0.60	0.0	0.0	0.0	0.0	0.0	2.1	834	5.3	1120	115	366
10	0.65	0.0	0.0	0.0	0.0	0.0	0.79	490	5.6	995	85	440
11	1.3	0.0	0.0	0.0	0.0	0.0	1.1	130	5.3	1020	162	460
12	1.2	0.0	0.0	0.0	0.0	0.0	0.69	219	5.2	1140	318	323
13	1.1	0.0	0.0	0.0	0.0	0.0	41	231	5.6	981	283	106
14	0.83	0.0	0.0	0.0	0.0	0.0	157	172	5.3	381	263	3.4
15	0.89	0.0	0.0	0.0	0.0	0.0	156	151	5.7	5.0	263	3.3
16	0.91	0.0	0.0	0.0	0.0	0.0	55	96	5.5	3.7	235	2.7
17	0.97	0.0	0.0	0.0	0.0	0.0	1.6	26	4.7	3.8	141	2.8
18	0.71	0.0	0.0	0.0	0.0	0.0	1.6	5.4	5.0	4.3	249	3.4
19	0.96	0.0	0.0	0.0	0.0	0.0	1.9	5.6	4.0	4.2	423	3.7
20	1.1	0.0	0.0	0.0	0.0	0.0	41	5.6	4.1	3.2	423	2.0
21	0.78	0.0	0.0	0.0	0.0	0.0	152	198	5.1	40	407	2.3
22	0.83	0.0	0.0	0.0	0.0	0.0	247	295	5.7	151	402	1.9
23	1.5	0.0	0.0	0.0	0.0	0.0	353	167	4.9	167	195	1.9
24	1.8	0.0	0.0	0.0	0.0	0.0	448	49	4.4	168	31	1.9
25	1.2	0.0	0.0	0.0	0.0	0.0	526	4.9	4.1	164	162	1.9
26	2.1	0.0	0.0	0.0	0.0	0.0	531	4.9	4.3	142	384	2.0
27	1.2	0.0	0.0	0.0	0.0	0.0	507	4.7	57	136	405	1.6
28	1.1	0.0	0.0	0.0	0.0	0.0	605	5.9	32	154	407	1.4
29	1.4	0.0	0.0	0.0	0.0	22	687	5.9	1.0	159	386	1.4
30	1.3	0.0	0.0	0.0	---	0.48	846	5.7	61	142	138	1.5
31	0.55	---	0.0	0.0	---	0.69	---	5.8	---	75	4.2	---
TOTAL	27.61	0.0	0.0	0.0	0.0	23.17	5433.58	12172.4	283.4	13286.2	6669.2	2769.8
MEAN	0.89	0.0	0.0	0.0	0.0	0.75	181	393	9.45	429	215	92.3
AC-FT	55	0.0	0.0	0.0	0.0	46	10780	24140	562	26350	13230	5490
MAX	2.1	0.0	0.0	0.0	0.0	22	846	1180	61	1140	423	460
MIN	0.20	0.0	0.0	0.0	0.0	0.0	0.69	4.7	1.0	3.2	4.2	1.4

CAL YR 1995 TOTAL 28338.56 MEAN 77.6 MAX 1130 MIN 0.00 AC-FT 56210  
WTR YR 1996 TOTAL 40665.36 MEAN 111 MAX 1180 MIN 0.00 AC-FT 80660

MAX DISCH 1201 CFS AT 1340 03-MAY-1996 GH 5.43 FT. SHIFT 0.00 FT. MAX GH 5.43 FT. AT 1340 03-MAY-1996

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



PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

REMARKS.--Station maintained by NCWCD. Record developed by George Sievers.

RATING TABLE.--HSCPVD002 USED FROM 01-OCT-1995 TO 30-SEP-1996

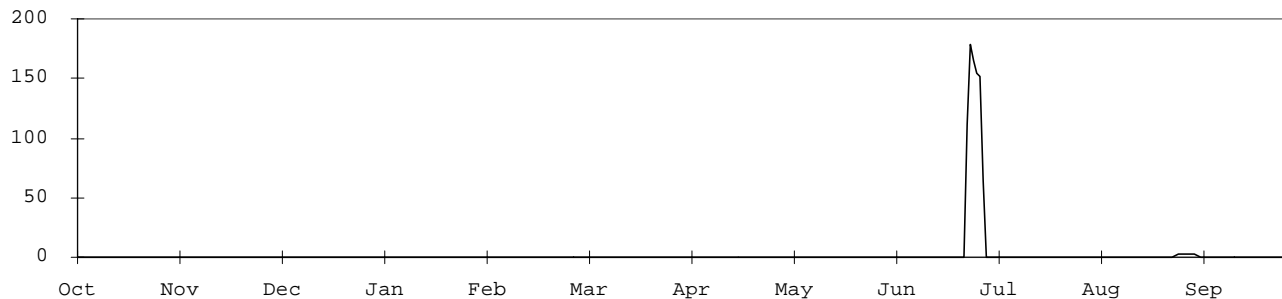
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	64	0.0	2.1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.73
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	112	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165	0.0	1.4	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	154	0.0	2.1	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	152	0.0	2.1	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	2.1	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	761	64	7.7	7.03
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.4	2.06	0.25	0.23
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1510	127	15	14
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	178	64	2.1	2.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1995 TOTAL 1689.4 MEAN 4.63 MAX 206 MIN 0.00 AC-FT 3350  
WTR YR 1996 TOTAL 839.73 MEAN 2.29 MAX 178 MIN 0.00 AC-FT 1670

MAX DISCH 185 CFS AT 0620 27-JUN-1996 GH 2.36 FT. SHIFT 0.00 FT. MAX GH 2.36 FT. AT 0620 27-JUN-1996

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



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: Oct. 16, 1995-Apr. 10, 1996 when the station was closed. July 12-14, when recorder pen was not marking; July 17-18 when clock stopped; Aug. 16-Sep. 12, 1996 which were influenced by releases from NCWCD and considered poor. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--LTCANYCO10 USED FROM 01-OCT-1995 TO 30-SEP-1996

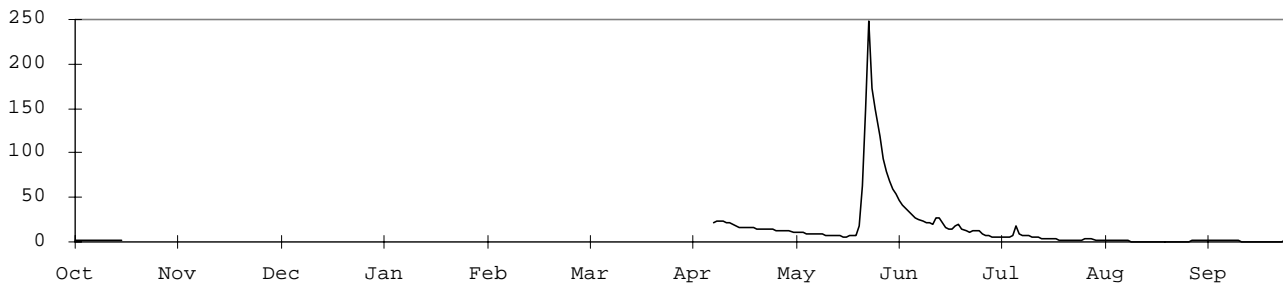
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	---	---	---	---	---	---	13	80	8.0	3.1	0.90
2	1.9	---	---	---	---	---	---	12	68	7.0	2.7	0.93
3	1.8	---	---	---	---	---	---	12	60	6.1	2.5	0.95
4	1.9	---	---	---	---	---	---	11	54	5.7	2.2	0.98
5	1.8	---	---	---	---	---	---	11	47	5.2	2.0	0.98
6	1.7	---	---	---	---	---	---	11	42	5.5	1.8	0.98
7	1.7	---	---	---	---	---	---	10	37	5.1	1.6	0.98
8	1.6	---	---	---	---	---	---	9.8	34	5.5	1.4	1.0
9	1.6	---	---	---	---	---	---	9.8	30	7.0	1.3	1.0
10	1.5	---	---	---	---	---	21	9.8	27	18	1.2	1.1
11	1.4	---	---	---	---	---	23	9.3	26	9.3	1.1	1.1
12	1.4	---	---	---	---	---	23	9.1	24	7.0	0.98	1.1
13	1.4	---	---	---	---	---	23	8.5	22	8.0	0.90	1.1
14	1.4	---	---	---	---	---	22	7.9	21	8.0	0.82	0.98
15	1.4	---	---	---	---	---	21	7.9	20	5.9	0.80	0.93
16	---	---	---	---	---	---	19	7.7	27	4.8	0.77	0.88
17	---	---	---	---	---	---	18	7.4	27	4.6	0.77	0.80
18	---	---	---	---	---	---	17	6.7	21	4.0	0.77	0.72
19	---	---	---	---	---	---	17	5.9	16	3.5	0.77	0.68
20	---	---	---	---	---	---	17	5.8	15	3.3	0.77	0.63
21	---	---	---	---	---	---	16	6.8	15	3.0	0.77	0.59
22	---	---	---	---	---	---	16	7.0	18	2.8	0.77	0.55
23	---	---	---	---	---	---	15	7.4	19	2.6	0.77	0.51
24	---	---	---	---	---	---	15	18	15	2.6	0.77	0.47
25	---	---	---	---	---	---	14	63	13	2.6	0.77	0.44
26	---	---	---	---	---	---	14	150	11	2.6	0.77	0.41
27	---	---	---	---	---	---	14	248	12	2.5	0.77	0.51
28	---	---	---	---	---	---	14	172	12	2.3	0.80	0.72
29	---	---	---	---	---	---	13	150	12	2.5	0.82	2.6
30	---	---	---	---	---	---	13	119	9.6	2.6	0.85	2.8
31	---	---	---	---	---	---	---	94	---	3.4	0.88	---
TOTAL								1220.8	834.6	161.0	37.02	28.32
MEAN								39.4	27.8	5.19	1.19	0.94
AC-FT								2420	1660	319	73	56
MAX								248	80	18	3.1	2.8
MIN								5.8	9.6	2.3	0.77	0.41

CAL YR 1995 TOTAL	MEAN	MAX	MIN	AC-FT
WTR YR 1996 TOTAL	2281.74	6.23	248	0.41
	MEAN	MAX	MIN	AC-FT
				4530

MAX DISCH 348 CFS AT 2230 26-MAY-1996 GH 3.72 FT. SHIFT 0.94 FT. MAX GH 3.72 FT. AT 2230 26-MAY-1996

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



## PLATTE RIVER BASIN

06744000 BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable. The stage-discharge relation was affected by ice on Dec. 9, 20, 24-30, 1995; Jan. 2, 5-7, 18-19, 21, 23-24, 26-31; Feb. 1-2, 28-29. DCP is the primary source of record. Record good, except the days of winter period which is fair. Station maintained and record developed by Merlin Friedrichsen.

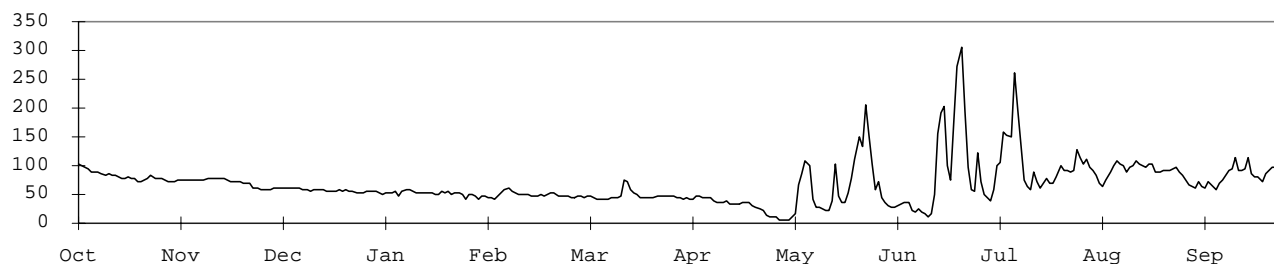
RATING TABLE.--BIGLASCO23 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	75	61	51	46	46	42	6.1	35	50	110	67
2	101	75	61	52	44	45	44	5.3	30	45	96	64
3	97	76	61	54	45	46	43	5.0	29	40	93	61
4	95	76	61	54	43	46	42	9.8	29	57	83	71
5	90	74	62	56	47	44	48	17	31	99	70	64
6	88	75	62	47	52	43	48	66	33	106	64	61
7	88	76	60	55	58	42	45	86	37	159	75	71
8	85	76	59	57	60	42	45	108	36	154	89	64
9	84	77	59	57	56	42	44	100	23	151	100	59
10	87	77	55	55	54	44	38	43	19	262	108	70
11	83	78	58	53	51	44	37	29	24	198	102	74
12	82	79	57	52	50	44	37	27	19	136	99	84
13	80	78	59	54	50	46	36	26	17	75	89	92
14	78	77	58	54	51	75	38	23	11	63	97	94
15	79	76	56	53	48	72	33	23	16	59	100	114
16	80	72	55	53	47	58	32	39	51	90	108	93
17	78	71	55	51	48	52	32	103	155	73	102	92
18	77	71	56	50	50	49	34	46	192	60	101	95
19	73	71	57	55	48	45	35	37	204	70	96	115
20	72	70	56	53	49	45	36	35	99	77	102	87
21	75	69	57	55	52	45	35	53	76	69	102	80
22	78	69	56	49	52	45	31	78	175	69	88	81
23	82	61	55	52	47	44	28	110	271	81	90	73
24	79	60	53	52	47	46	25	150	306	101	93	85
25	77	59	52	49	46	48	22	133	195	91	91	91
26	77	57	53	43	46	48	15	205	96	92	91	97
27	74	57	55	49	45	48	12	153	57	88	95	96
28	72	58	56	49	44	48	11	103	55	91	98	89
29	71	60	56	47	47	48	10	57	122	127	90	82
30	73	61	55	41	---	45	6.5	73	71	115	84	76
31	75	---	53	46	---	44	---	45	---	103	74	---
TOTAL	2533	2111	1769	1598	1423	1479	984.5	1994.2	2514	3051	2880	2442
MEAN	81.7	70.4	57.1	51.5	49.1	47.7	32.8	64.3	83.8	98.4	92.9	81.4
AC-FT	5020	4190	3510	3170	2820	2930	1950	3960	4990	6050	5710	4840
MAX	103	79	62	57	60	75	48	205	306	262	110	115
MIN	71	57	52	41	43	42	6.5	5.0	11	40	64	59
CAL YR 1995 TOTAL		95115.2	MEAN	261	MAX	6170	MIN	3.6	AC-FT	188700		
WTR YR 1996 TOTAL		24778.7	MEAN	67.7	MAX	306	MIN	5.0	AC-FT	49150		

MAX DISCH 348 CFS AT 0300 24-JUN-1996 GH 2.68 FT. SHIFT -0.02 FT. MAX GH 2.68 FT. AT 0300 24-JUN-1996

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



## PLATTE RIVER BASIN

## MUNROE CANAL NEAR FORT COLLINS, CO

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

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

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

**REMARKS.**--Record is complete and reliable. Water was run May 8, 1996-Sep. 3, 1996. Station maintained and record developed by George Sievers.

**RATING TABLE.**--MUNCANCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

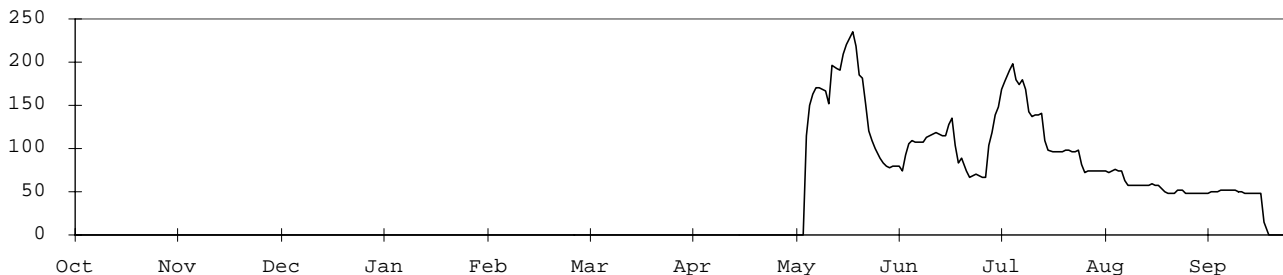
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	79	67	75	49
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77	103	75	49
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	119	75	49
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80	139	75	49
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	149	74	49
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75	168	74	49
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92	178	73	50
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115	106	190	75	50
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150	109	198	76	50
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	163	108	180	75	51
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170	108	175	74	52
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170	108	180	63	52
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	168	113	168	58	52
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	167	114	142	58	51
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	152	116	137	58	50
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	197	118	138	58	50
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	192	117	139	58	49
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	191	115	140	58	49
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	209	115	109	58	49
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220	128	98	59	49
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	227	135	97	58	49
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	236	103	96	58	49
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	218	84	96	53	15
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186	89	97	50	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	181	75	98	49	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	151	67	98	49	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	121	68	97	49	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110	70	97	51	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	68	98	51	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88	67	82	49	0.0
31	0.0	---	0.0	0.0	---	0.0	---	84	---	72	48	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3966	2862	3945	1914	1111
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	128	95.4	127	61.7	37.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7870	5680	7820	3800	2200
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	236	135	198	76	52
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67	67	48	0.0

CAL YR 1995 TOTAL 12152 MEAN 33.3 MAX 221 MIN 0.00 AC-FT 24100  
WTR YR 1996 TOTAL 13798 MEAN 37.7 MAX 236 MIN 0.00 AC-FT 27370

MAX DISCH 201 CFS AT 1120 08-MAY-1996 GH 2.77 FT. SHIFT 0.00 FT. MAX GH 2.77 FT. AT 1120 08-MAY-1996

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





PLATTE RIVER BASIN

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

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

**DRAINAGE AREA.**--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 Feb. 29, 1996 which was ice affected. The station was closed Nov. 3-8; Dec. 23, 1995-Feb. 12, 1996, and opened again on Feb. 13, 1996. The DCP is the primary source of record. Chart values were used Oct. 29; Nov. 9-30; Dec. 1-22, 1995; Apr. 7, 1996. The period of Nov. 3-8, 1995 was estimated just like the winter period. Record is good, except for periods of no gage-height record and ice effect, which is fair. Station maintained and record developed by George Sievers.

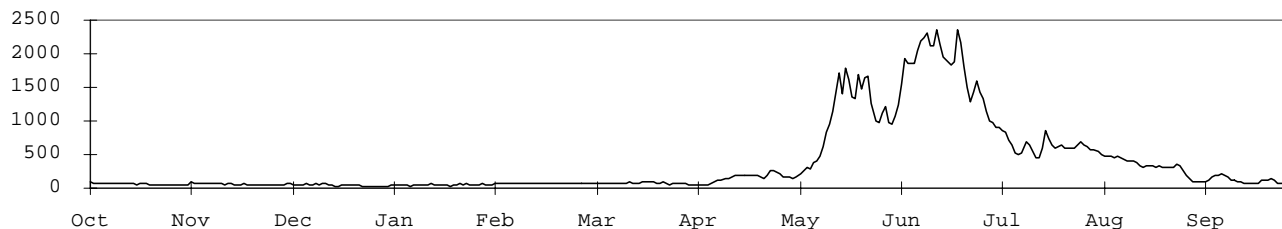
**RATING TABLE.**--CLAFTCCO10 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	89	65	37	58	76	55	161	978	1140	611	147
2	81	63	59	37	65	74	46	177	954	1010	574	104
3	78	64	56	50	67	80	45	151	1070	986	567	88
4	79	76	48	43	70	76	45	159	1240	915	536	90
5	83	75	55	40	77	79	42	205	1550	909	502	85
6	81	67	60	51	73	72	48	253	1920	859	485	85
7	71	60	57	30	77	68	51	319	1850	840	483	126
8	76	66	53	51	78	74	70	295	1850	710	469	169
9	83	69	67	42	76	81	92	372	1850	640	463	190
10	74	72	56	44	72	79	109	413	2050	531	468	201
11	66	57	80	41	65	81	127	477	2190	493	444	213
12	63	63	60	42	60	83	138	618	2240	523	431	198
13	73	74	59	61	63	83	136	824	2300	681	414	178
14	71	57	42	52	77	89	167	959	2130	653	403	126
15	55	53	29	56	75	77	195	1140	2120	554	401	108
16	60	55	29	56	76	81	193	1420	2360	458	384	99
17	61	62	37	53	79	80	194	1720	2140	453	336	95
18	60	59	44	41	81	85	194	1410	1950	606	319	75
19	56	57	44	23	80	97	189	1780	1900	862	333	71
20	59	56	39	55	80	105	184	1630	1840	730	323	60
21	47	53	52	54	81	106	195	1360	1880	641	324	67
22	50	49	57	68	82	75	196	1340	2350	593	318	76
23	56	56	24	44	76	81	160	1680	2160	629	333	129
24	42	53	24	62	67	84	139	1480	1820	641	315	125
25	43	52	21	57	78	60	192	1640	1490	591	302	109
26	54	53	23	51	74	52	255	1660	1280	600	303	134
27	50	57	23	47	66	72	253	1260	1440	586	304	111
28	43	41	26	55	66	68	246	1010	1600	594	347	72
29	48	36	22	64	68	67	215	986	1440	652	338	73
30	50	72	21	59	---	69	163	1110	1340	690	267	83
31	47	---	23	41	---	68	---	1220	---	641	200	---
TOTAL	1949	1816	1355	1507	2107	2422	4334	29229	53282	21411	12297	3487
MEAN	62.9	60.5	43.7	48.6	72.7	78.1	144	943	1776	691	397	116
AC-FT	3870	3600	2690	2990	4180	4800	8600	57980	105700	42470	24390	6920
MAX	89	89	80	68	82	106	255	1780	2360	1140	611	213
MIN	42	36	21	23	58	52	42	151	954	453	200	60
CAL YR 1995 TOTAL		157971	MEAN	433	MAX	4000	MIN	16	AC-FT	313300		
WTR YR 1996 TOTAL		135196	MEAN	369	MAX	2360	MIN	21	AC-FT	268200		

MAX DISCH 2828 CFS AT 0830 13-JUN-1996 GH 5.73 FT. SHIFT 0.00 FT. MAX GH 5.73 FT. AT 0830 13-JUN-1996

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



## PLATTE RIVER BASIN

06752500 CACHE LA POUFRE RIVER NEAR GREELEY, CO

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

**DRAINAGE AREA.**--1,877 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 May 1-2, 14-15, 20,24; June 10; July 3; Sep. 1-12, 1996 when the intakes were plugged or the top pipe was in the wrong mode. The A-35 chart was used Oct. 29, 1995; Feb. 1-11; Apr. 7; July 1-2; Aug. 15-23; Sep. 13-20, 1996. Due to development of 3 river channels from silt and sanding this station record has some problems. Record good except for periods of plugged inlets when the record is fair. Station maintained and record developed by George Sievers.

**RATING TABLE.**--CLAGRECO25 USED FROM 01-OCT-1995 TO 30-SEP-1996

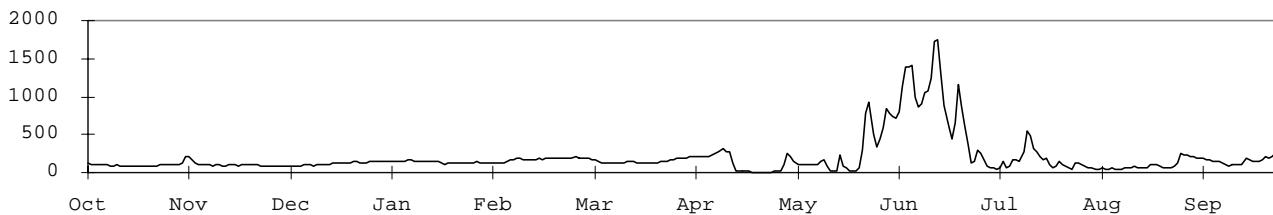
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	220	90	141	130	193	193	96	847	178	85	222
2	112	170	87	141	132	191	207	245	782	92	66	213
3	111	121	84	150	134	174	202	201	743	60	56	205
4	108	109	88	147	133	166	212	144	722	58	51	196
5	106	104	90	142	136	142	214	95	808	42	51	188
6	101	104	97	137	154	132	216	105	1130	64	56	179
7	97	96	99	158	168	131	203	110	1380	140	52	171
8	92	92	100	163	176	132	218	112	1380	68	51	162
9	94	96	94	153	184	131	238	112	1420	91	53	154
10	97	101	97	146	186	127	248	106	990	167	50	145
11	94	93	101	146	164	129	277	105	858	167	40	137
12	93	92	101	150	175	129	318	157	895	147	46	128
13	94	98	104	146	176	130	279	165	1060	284	54	98
14	90	101	112	145	177	153	280	92	1070	553	60	92
15	88	95	132	147	178	146	122	24	1240	484	73	96
16	89	92	133	139	181	138	28	12	1730	317	94	96
17	91	98	130	122	175	130	27	11	1740	280	66	100
18	94	102	133	99	182	120	19	224	1300	217	61	108
19	93	100	134	127	186	123	13	85	893	164	53	180
20	91	102	133	121	187	123	12	64	604	182	66	166
21	86	102	137	118	193	121	9.4	14	436	104	97	156
22	86	101	140	133	199	117	8.4	15	659	57	115	140
23	100	91	136	125	196	121	8.1	20	1150	83	98	137
24	105	89	132	119	196	143	8.0	56	855	143	80	161
25	102	90	133	133	189	142	8.0	299	609	112	64	205
26	105	89	137	121	198	151	8.3	779	374	92	54	180
27	101	87	137	125	202	161	8.1	924	125	56	61	204
28	98	88	137	138	189	175	15	498	140	52	77	248
29	98	92	140	133	185	186	19	344	301	134	132	239
30	125	94	140	135	---	189	13	432	245	124	249	239
31	204	---	142	134	---	186	---	582	---	99	232	---
TOTAL	3164	3109	3650	4234	5061	4532	3631.3	6228	26486	4811	2443	4945
MEAN	102	104	118	137	175	146	121	201	883	155	78.8	165
AC-FT	6280	6170	7240	8400	10040	8990	7200	12350	52530	9540	4850	9810
MAX	204	220	142	163	202	193	318	924	1740	553	249	248
MIN	86	87	84	99	130	117	8.0	11	125	42	40	92

CAL YR 1995 TOTAL 123844 MEAN 339 MAX 3850 MIN 19 AC-FT 245600  
WTR YR 1996 TOTAL 72294.3 MEAN 198 MAX 1740 MIN 8.0 AC-FT 143400

MAX DISCH 2113 CFS AT 0015 17-JUN-1996 GH 6.91 FT. SHIFT 0.08 FT. MAX GH 6.91 FT. AT 0015 17-JUN-1996

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



PLATTE RIVER BASIN

06754000 SOUTH PLATTE RIVER NEAR KERSEY, CO

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

**DRAINAGE AREA.**--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. 8-14, 29, 1995; Apr. 7; May 13-15; June 11, 26-27; Aug. 7-9, 1996. Record is complete and reliable, except for July 3, 12-13, 24; Aug. 19-20, 1996 when the manometer line was buried or plugged. Ice record Feb. 3-6, 1996. Recorder problems caused periods of no chart record. Clocks were changed and the recorder was oiled but to no avail. Due to budget constraints the recorder couldn't be replaced. Frequent visits helped support the DCP record. Record is rated fair, because of the frequent datum corrections. Station maintained and record developed by George Sievers.

**RATING TABLE.**--PLAKERCO21 USED FROM 01-OCT-1995 TO 30-SEP-1996

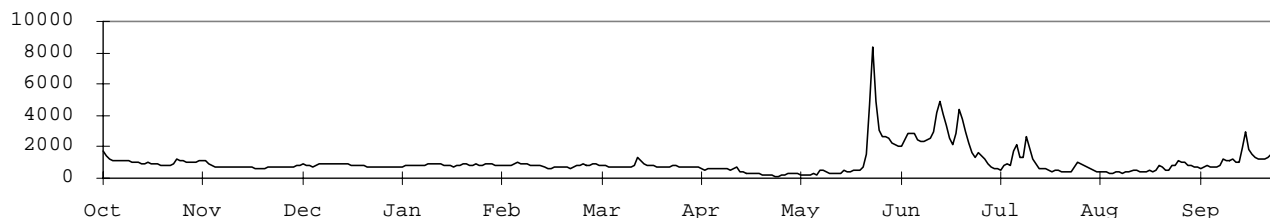
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1710	1120	854	738	820	891	730	273	2520	1210	817	984
2	1420	1090	916	723	815	888	732	356	2260	933	683	867
3	1230	947	855	772	800	866	680	310	2180	758	586	817
4	1130	801	781	811	825	862	592	276	2070	629	515	730
5	1110	714	743	821	850	787	533	218	2080	645	457	670
6	1110	688	858	785	875	732	659	218	2450	535	428	642
7	1100	698	898	806	994	729	652	233	2820	848	360	701
8	1120	676	921	822	943	722	655	229	2820	875	361	770
9	1090	669	868	853	939	723	615	281	2850	804	350	710
10	1050	678	884	899	924	710	565	255	2490	1690	356	696
11	1020	680	915	908	819	711	565	555	2360	2130	362	674
12	993	703	917	904	808	691	601	494	2340	1320	370	778
13	956	702	897	869	817	688	559	404	2470	1300	354	1180
14	913	721	889	900	827	804	650	320	2570	2620	378	1130
15	985	698	890	866	709	1320	690	298	2940	1970	425	1150
16	936	666	876	846	658	1140	448	286	4140	1250	513	1190
17	901	633	808	810	646	894	379	305	4870	893	475	1070
18	871	643	790	713	684	809	304	522	4080	639	434	1050
19	840	647	779	771	706	790	283	453	3360	611	406	1930
20	824	663	773	840	677	801	282	439	2540	615	450	2990
21	810	693	769	869	674	744	267	545	2180	556	484	1830
22	797	703	764	898	682	699	268	520	2890	440	459	1480
23	952	682	751	864	659	665	254	483	4350	470	501	1280
24	1210	682	732	866	728	683	208	686	3750	530	806	1220
25	1150	680	741	902	767	741	177	1510	2940	446	672	1220
26	1090	680	738	816	831	817	173	4710	2290	442	506	1240
27	1030	672	722	836	868	767	152	8350	1610	404	469	1370
28	1040	715	711	875	825	748	143	4930	1300	383	826	1520
29	1060	747	728	882	841	733	182	3080	1590	738	799	1370
30	1040	800	741	873	---	726	201	2700	1430	1000	1120	1250
31	1130	---	741	824	---	704	---	2620	---	871	1040	---
TOTAL	32618	21891	25250	25962	23011	24585	13199	36859	80540	28555	16762	34509
MEAN	1052	730	815	837	793	793	440	1189	2685	921	541	1150
AC-FT	64700	43420	50080	51500	45640	48760	26180	73110	159800	56640	33250	68450
MAX	1710	1120	921	908	994	1320	732	8350	4870	2620	1120	2990
MIN	797	633	711	713	646	665	143	218	1300	383	350	642

CAL YR 1995 TOTAL 885221 MEAN 2425 MAX 21500 MIN 149 AC-FT 1756000  
WTR YR 1996 TOTAL 363741 MEAN 994 MAX 8350 MIN 143 AC-FT 721500

MAX DISCH 10498 CFS AT 1315 27-MAY-1996 GH 8.53 FT. SHIFT 0.16 FT. MAX GH 8.53 FT. AT 1315 27-MAY-1996

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



PLATTE RIVER BASIN

06758500 SOUTH PLATTE RIVER NEAR WELDONA, CO

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

**DRAINAGE AREA.**--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.**--The DCP is the primary source of record. The chart was used Oct. 29, 1995; Jan. 8-9, 20-23; Apr. 7; June 10-11, 1995. Record is complete and reliable except for periods of higher daily flows when no measurements could be made because the cableway is no longer safe. Winter record is good this year because there were only 6 days of winter estimates. Estimated days are considered poor. However, the periods of higher daily flows is poor this year because of the inability to measure flows above 1620 cfs. Station maintained and record developed by George Sievers.

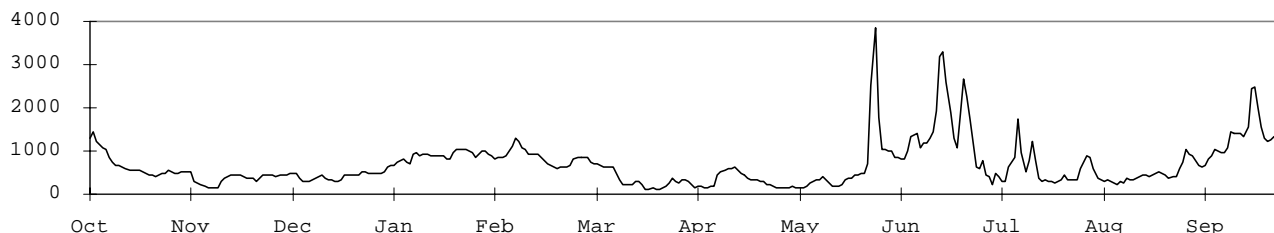
**RATING TABLE.**--PLAWELCO16 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1300	519	466	682	878	838	306	162	1000	440	872	937
2	1440	307	490	683	826	748	230	149	993	414	838	891
3	1230	277	477	738	850	702	158	173	848	237	578	786
4	1140	229	372	787	850	689	182	131	869	481	379	675
5	1090	190	310	802	900	678	176	131	804	396	350	627
6	1020	154	291	734	1000	637	163	157	810	307	297	673
7	849	131	303	706	1100	618	166	200	1010	287	331	832
8	756	134	315	940	1300	620	177	273	1320	621	309	898
9	683	132	374	949	1210	646	169	297	1380	734	266	1020
10	653	306	424	903	1090	499	452	324	1410	838	239	998
11	631	367	428	931	1020	341	512	319	1080	1740	283	950
12	590	410	366	909	930	225	538	409	1190	980	276	953
13	565	446	323	895	925	215	589	338	1190	537	373	1070
14	542	433	317	890	938	239	588	272	1300	762	332	1450
15	539	434	310	895	932	228	637	198	1440	1240	325	1390
16	538	430	303	907	858	280	544	174	1910	768	369	1390
17	509	424	340	893	763	280	485	197	3200	381	418	1400
18	479	357	431	802	705	220	440	225	3280	284	453	1350
19	454	374	436	797	662	122	374	337	2590	351	437	1550
20	431	376	435	976	614	121	347	359	1880	292	425	2460
21	419	305	440	1030	597	130	343	358	1310	288	448	2490
22	426	378	461	1030	616	116	337	453	1060	258	492	2000
23	468	427	507	1040	623	104	301	454	1840	300	518	1560
24	499	427	520	1020	639	140	281	479	2680	329	482	1290
25	571	429	497	1000	684	193	235	494	2250	443	450	1240
26	531	428	491	970	803	245	207	693	1730	351	383	1250
27	499	422	485	862	856	361	178	2530	1190	322	394	1320
28	477	426	470	918	853	292	136	3840	640	324	393	1170
29	501	429	464	1010	843	268	132	1780	593	340	589	1230
30	510	442	522	984	---	338	155	1030	786	610	734	1110
31	506	---	636	924	---	348	---	1050	---	756	1020	---
TOTAL	20846	10543	13004	27607	24865	11481	9538	17986	43583	16411	14053	36960
MEAN	672	351	419	891	857	370	318	580	1453	529	453	1232
AC-FT	41350	20910	25790	54760	49320	22770	18920	35680	86450	32550	27870	73310
MAX	1440	519	636	1040	1300	838	637	3840	3280	1740	1020	2490
MIN	419	131	291	682	597	104	132	131	593	237	239	627
CAL YR 1995 TOTAL		720978	MEAN	1975	MAX	16300	MIN	35	AC-FT	1430000		
WTR YR 1996 TOTAL		246877	MEAN	675	MAX	3840	MIN	104	AC-FT	489700		

MAX DISCH 4510 CFS AT 0745 28-MAY-1996 GH 6.08 FT. SHIFT 0.67 FT. MAX GH 6.08 FT. AT 0745 28-MAY-1996

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



## PLATTE RIVER BASIN

06759910 SOUTH PLATTE RIVER AT BALZAC, CO

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

**DRAINAGE AREA.**--16,852 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. 29, 1995; Apr. 7, 1996. Record is complete and reliable, except for the following periods: Oct. 20-24, 30-31; Nov. 27-28; Dec. 10-12, 22, 1995; Jan. 3-4; Feb. 26; Mar. 6-22, 25-27; Apr. 11; May 19-20, 26; July 3-5, 9, 14-15, 19-22, 26, 28-29, 31; Aug. 1, 8-9, 13, 16, 18-26, 28-31; Sep. 1-2, 1996 when the lower inlet was plugged. Record good for periods of good gage height record, and fair for the estimated periods of plugged inlets. Station maintained and record developed by George Sievers.

**RATING TABLE.**--PLABALCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

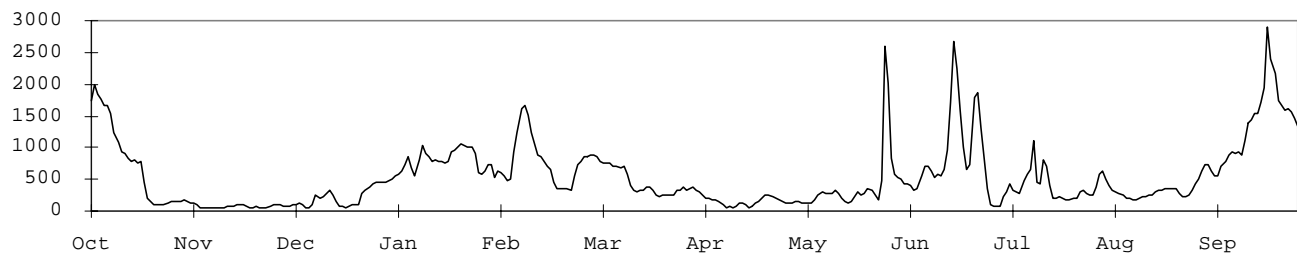
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1740	134	97	550	624	885	337	141	542	84	590	625
2	2000	104	112	582	614	863	315	146	493	66	618	740
3	1850	60	125	630	552	794	262	134	430	215	510	723
4	1760	53	98	720	488	765	211	136	426	300	403	638
5	1670	50	48	859	506	760	212	135	391	430	324	564
6	1670	48	39	679	926	750	181	125	328	329	309	548
7	1540	47	93	546	1240	710	167	175	344	302	284	701
8	1230	43	241	815	1610	700	160	249	555	284	245	789
9	1080	44	195	1030	1660	690	102	294	697	480	210	885
10	943	46	235	912	1510	710	56	282	715	585	197	945
11	906	68	280	860	1240	570	75	280	641	667	181	910
12	833	79	330	776	1070	410	58	288	518	1100	179	930
13	782	76	258	795	890	320	79	335	568	446	200	883
14	798	89	159	787	850	310	131	266	565	420	220	1100
15	765	91	67	775	779	330	131	197	644	810	226	1390
16	775	92	64	758	706	320	110	152	951	710	240	1440
17	443	85	63	773	661	380	41	124	1710	396	262	1530
18	194	62	77	923	457	380	65	160	2680	212	290	1540
19	141	57	102	947	365	330	121	220	2240	200	330	1710
20	100	65	107	996	351	240	153	310	1600	229	340	1940
21	100	61	113	1050	349	230	195	263	1020	212	345	2910
22	100	57	270	1040	354	260	241	282	651	175	355	2400
23	105	62	322	1020	339	260	252	348	720	179	355	2170
24	115	85	384	1020	557	257	235	335	1790	197	355	1730
25	145	90	428	903	733	250	199	252	1860	212	285	1660
26	154	93	454	603	790	320	183	180	1300	310	235	1580
27	160	90	465	585	852	340	150	487	836	324	231	1610
28	162	85	455	619	867	380	136	2590	362	285	250	1570
29	174	84	460	738	890	332	135	2010	92	245	325	1450
30	150	88	472	720	---	351	133	842	66	251	420	1340
31	125	---	499	539	---	381	---	575	---	385	500	---
TOTAL	22710	2188	7112	24550	22830	14578	4826	12313	25735	11040	9814	38951
MEAN	733	72.9	229	792	787	470	161	397	858	356	317	1298
AC-FT	45050	4340	14110	48690	45280	28920	9570	24420	51050	21900	19470	77260
MAX	2000	134	499	1050	1660	885	337	2590	2680	1100	618	2910
MIN	100	43	39	539	339	230	41	124	66	66	179	548

CAL YR 1995 TOTAL 656621.3 MEAN 1799 MAX 15800 MIN 5.0 AC-FT 1302000  
WTR YR 1996 TOTAL 196647 MEAN 537 MAX 2910 MIN 39 AC-FT 390000

MAX DISCH 3288 CFS AT 1445 28-MAY-1996 GH 4.56 FT. SHIFT 0.25 FT. MAX GH 4.56 FT. AT 1445 28-MAY-1996

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



## 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.**--Due to the complexity of this site and the addition of another DCP, any information regarding estimated flows during the year will be available in the Division I Office in Greeley, Co. See ONEJURCO for low flow data during July and Aug. 1996. Station maintained and records developed by Fred Renner.

**RATING TABLE.**--RATING TABLE PLAJURCO16 USED FROM 01-OCT-1995 TO 3-JUL-1996  
PLAJURCO17 USED FROM 04-JUL-1996 TO 30-SEP-1996

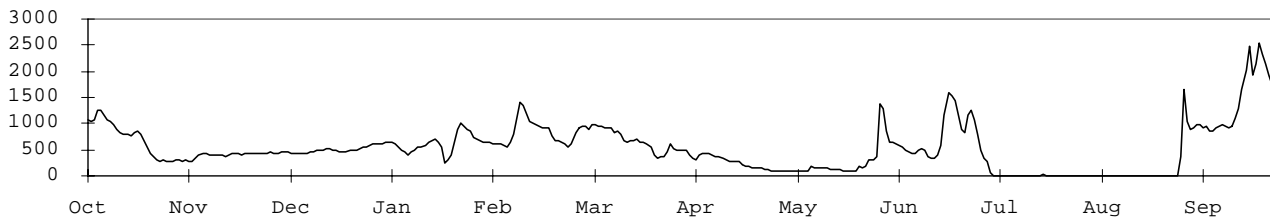
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1060	284	445	650	650	938	493	94	846	338	0.78	1040
2	1040	288	439	650	625	884	393	96	645	284	0.82	879
3	1080	324	419	600	625	973	324	91	634	65	0.87	906
4	1250	392	420	550	600	977	303	90	627	7.4	0.99	970
5	1240	430	431	500	575	944	401	87	588	3.4	1.0	976
6	1160	430	425	450	550	950	424	89	539	2.3	1.1	915
7	1080	396	441	400	650	925	434	96	484	2.0	1.0	938
8	1030	396	450	450	800	915	420	102	445	1.4	0.96	867
9	984	401	465	500	1100	916	384	169	419	1.0	1.0	857
10	890	396	480	550	1400	817	359	158	421	0.92	0.95	908
11	830	383	490	550	1350	846	360	151	490	0.81	0.86	944
12	796	374	500	575	1200	790	329	157	516	0.92	0.81	991
13	788	388	520	650	1050	682	298	162	481	0.94	0.79	956
14	776	420	520	675	1000	654	287	147	374	0.86	0.67	927
15	832	417	500	700	975	668	269	121	326	0.89	0.81	948
16	864	420	475	650	950	682	288	127	351	0.89	1.2	1100
17	799	410	450	550	933	689	272	117	403	0.71	0.92	1300
18	669	420	450	250	924	647	216	111	569	0.67	1.0	1660
19	557	428	450	300	906	654	189	102	1170	31	1.1	2030
20	420	420	475	400	774	614	182	101	1600	11	1.0	2480
21	355	415	475	650	661	557	161	95	1530	2.3	1.0	1930
22	308	430	500	900	667	384	146	92	1440	1.1	1.0	2130
23	283	430	525	1000	658	333	158	97	1170	0.83	1.0	2530
24	300	430	550	950	624	365	139	190	896	0.68	2.3	2330
25	288	435	550	900	563	378	119	141	841	0.81	2.7	2150
26	280	445	575	850	613	445	110	169	1170	6.9	2.5	1940
27	280	437	600	750	841	614	102	291	1240	0.93	2.0	1760
28	292	422	625	700	914	533	100	296	1070	0.81	1.1	1550
29	292	450	625	675	962	488	102	367	800	0.67	1.1	1490
30	288	445	625	650	---	493	95	1390	485	0.75	3.56	1410
31	300	---	650	650	---	493	---	1300	---	0.78	1650	---
TOTAL	21411	12156	15545	19275	24140	21248	7857	6796	22570	770.66	2049.22	41812
MEAN	691	405	501	622	832	685	262	219	752	24.9	66.1	1394
AC-FT	42470	24110	30830	38230	47880	42150	15580	13480	44770	1530	4060	82930
MAX	1250	450	650	1000	1400	977	493	1390	1600	338	1650	2530
MIN	280	284	419	250	550	333	95	87	326	0.67	0.67	857

CAL YR 1995 TOTAL 489388 MEAN 1341 MAX 9750 MIN 47 AC-FT 970700  
WTR YR 1996 TOTAL 195629.88 MEAN 535 MAX 2530 MIN 0.67 AC-FT 388000

MAX DISCH 2758 CFS AT 1045 20-SEP-1996 GH 5.96 FT. SHIFT 0.12 FT. MAX GH 5.96 FT. AT 1045 20-SEP-1996

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



## PLATTE RIVER BASIN

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

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

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

GAGE.--Water-stage graphic recorder (manometer) with satellite telemetry.

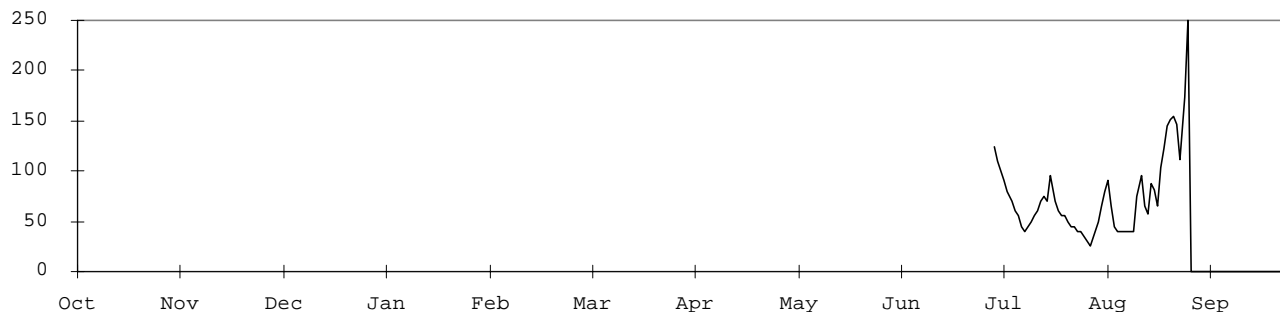
REMARKS.--A new DCP was installed on channel No.1 on Aug. 16. 1996 because of redirection of stream flow patterns due to the high water of 1995. From July 3-Aug. 30, 1996 flow was confined to channel No.1. Station maintained and records developed by Fred Renner.

RATING TABLE.--ONEJURCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	25	0.0
2	---	---	---	---	---	---	---	---	---	---	35	0.0
3	---	---	---	---	---	---	---	---	---	125	50	0.0
4	---	---	---	---	---	---	---	---	---	110	65	0.0
5	---	---	---	---	---	---	---	---	---	100	80	0.0
6	---	---	---	---	---	---	---	---	---	90	90	0.0
7	---	---	---	---	---	---	---	---	---	80	65	0.0
8	---	---	---	---	---	---	---	---	---	70	45	0.0
9	---	---	---	---	---	---	---	---	---	60	40	0.0
10	---	---	---	---	---	---	---	---	---	55	40	0.0
11	---	---	---	---	---	---	---	---	---	45	40	0.0
12	---	---	---	---	---	---	---	---	---	40	40	0.0
13	---	---	---	---	---	---	---	---	---	45	40	0.0
14	---	---	---	---	---	---	---	---	---	50	40	0.0
15	---	---	---	---	---	---	---	---	---	55	75	0.0
16	---	---	---	---	---	---	---	---	---	60	95	0.0
17	---	---	---	---	---	---	---	---	---	70	65	0.0
18	---	---	---	---	---	---	---	---	---	75	57	0.0
19	---	---	---	---	---	---	---	---	---	70	88	0.0
20	---	---	---	---	---	---	---	---	---	95	82	0.0
21	---	---	---	---	---	---	---	---	---	70	66	0.0
22	---	---	---	---	---	---	---	---	---	60	104	0.0
23	---	---	---	---	---	---	---	---	---	55	123	0.0
24	---	---	---	---	---	---	---	---	---	55	145	0.0
25	---	---	---	---	---	---	---	---	---	50	152	0.0
26	---	---	---	---	---	---	---	---	---	45	154	0.0
27	---	---	---	---	---	---	---	---	---	45	146	0.0
28	---	---	---	---	---	---	---	---	---	40	112	0.0
29	---	---	---	---	---	---	---	---	---	40	173	0.0
30	---	---	---	---	---	---	---	---	---	35	250	0.0
31	---	---	---	---	---	---	---	---	---	30	0.0	---
TOTAL											2582	0.0
MEAN											83.3	0.0
AC-FT											5120	0.0
MAX											250	0.0
MIN											0.0	0.0
CAL YR 1995 TOTAL												
WTR YR 1996 TOTAL		2582			7.05		250		0.00		AC-FT	5120

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



## PLATTE RIVER BASIN

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

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

**DRAINAGE AREA.**--23,193 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: July 2-3, 1996 when clock stopped and shaft encoder data was off; Sep. 17-18, 1996 clock stopped and DCP data missing part of day. Graphic chart record was used for the following periods: Oct. 14-17, 20; Nov. 1-5, 24-26, 1995; May 25-56; June 6, 20, 25-26; July 22, 26; Aug. 5, 7, 12-13, 18-19, 21, 24, 27-28; Sep. 5, 7-8, 11, 13-14, 16, 19-21, 1996. Record is good, except for period of no gage-height record, and period of stage fluctuation which is fair. The record is part of combined flow with channel No.1 and 2. Station maintained and records developed by Fred Renner.

**RATING TABLE.**--PLAJULCO21 USED FROM 01-OCT-1995 TO 30-SEP-1996

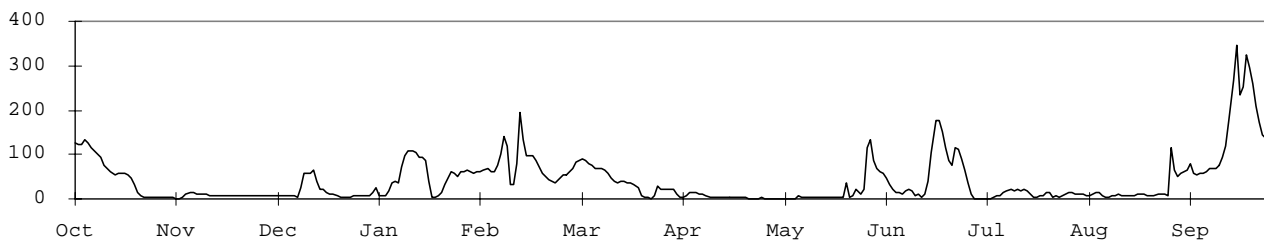
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	1.6	7.2	25	61	70	23	1.8	85	11	14	65
2	121	1.8	7.4	8.7	63	82	10	1.5	69	1.7	12	50
3	124	2.4	7.2	8.4	65	86	4.3	1.6	61	0.40	12	56
4	134	9.4	7.8	9.0	68	89	2.2	1.5	58	0.03	11	63
5	127	13	8.1	18	62	86	8.4	1.4	48	0.0	8.8	64
6	116	13	8.2	37	63	80	14	1.4	32	0.10	8.5	80
7	108	12	6.4	39	75	75	14	1.3	23	0.90	9.4	59
8	101	11	4.6	36	101	69	13	1.2	15	2.8	14	54
9	93	11	25	71	142	70	12	7.1	13	5.9	14	56
10	77	10	56	96	118	68	9.1	2.8	12	7.6	7.8	58
11	67	8.9	58	108	32	66	6.6	2.5	19	15	2.6	61
12	60	8.0	59	109	34	59	4.5	2.1	23	18	4.9	68
13	54	7.3	64	106	80	46	3.7	2.0	17	22	7.4	68
14	56	8.0	38	94	193	38	3.4	2.0	6.5	19	8.3	69
15	57	7.9	22	95	133	36	2.6	1.9	11	20	11	75
16	58	7.7	20	87	97	38	2.3	1.9	5.0	18	6.1	94
17	55	7.6	16	39	98	38	2.1	2.0	11	20	7.8	120
18	46	7.5	12	3.9	96	37	2.0	2.1	40	19	6.5	176
19	32	7.4	9.2	4.1	88	37	2.4	2.7	105	12	6.3	267
20	14	7.0	6.6	6.2	72	34	2.0	4.0	178	2.6	7.5	345
21	7.6	6.7	5.0	13	58	27	2.0	4.2	176	3.4	9.1	234
22	4.4	6.8	4.4	31	49	8.1	2.0	4.2	153	6.5	9.4	254
23	4.3	6.7	3.9	46	44	4.2	1.9	3.2	116	8.9	9.1	324
24	3.6	6.5	3.9	60	40	2.8	1.8	35	85	14	7.1	297
25	2.8	6.8	6.3	59	35	1.7	1.7	4.7	77	15	6.4	260
26	2.3	7.1	7.6	52	42	5.5	1.7	6.0	116	4.4	6.5	210
27	2.1	7.2	7.3	61	54	29	1.7	21	113	6.8	9.4	173
28	2.1	7.1	6.9	61	53	23	2.1	10	89	4.8	10	144
29	2.1	7.1	7.5	64	60	21	1.7	21	66	7.3	10	137
30	2.1	7.2	8.1	62	---	20	1.7	116	35	12	7.2	128
31	1.9	---	14	57	---	22	---	132	---	13	114	---
TOTAL	1662.3	231.7	517.6	1566.3	2176	1368.3	159.9	402.1	1857.5	292.13	378.1	4109
MEAN	53.6	7.72	16.7	50.5	75.0	44.1	5.33	13.0	61.9	9.42	12.2	137
AC-FT	3300	460	1030	3110	4320	2710	317	798	3680	579	750	8150
MAX	134	13	64	109	193	89	23	132	178	22	114	345
MIN	1.9	1.6	3.9	3.9	32	1.7	1.7	1.2	5.0	0.0	2.6	50

CAL YR 1995 TOTAL 132792.45 MEAN 364 MAX 4280 MIN 0.58 AC-FT 263400  
WTR YR 1996 TOTAL 14720.93 MEAN 40.2 MAX 345 MIN 0.00 AC-FT 29200

MAX DISCH 383 CFS AT 1045 20-SEP-1996 GH 4.05 FT. SHIFT -0.04 FT. MAX GH 4.05 FT. AT 1045 20-SEP-1996

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





PLATTE RIVER BASIN

06764000 SOUTH PLATTE RIVER AT JULESBURG, CO (COMBINED)

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

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

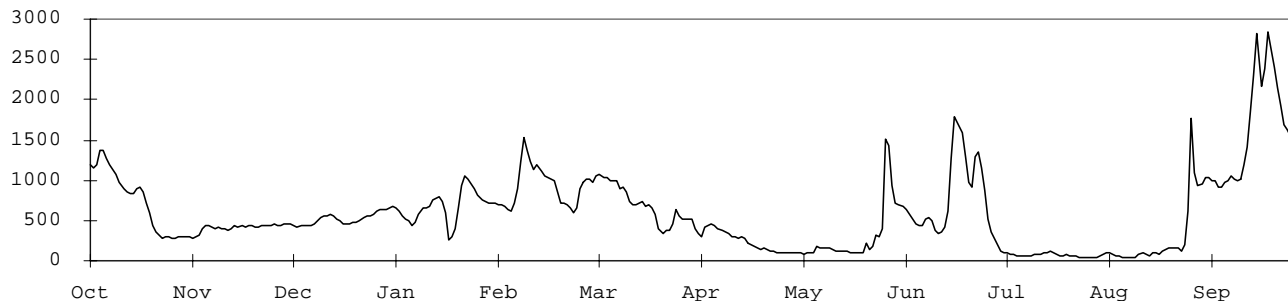
GAGE.--See Channel No.2 and Channel No. 4. Stations maintained by Fred Renner.

REMARKS.--Record obtained by combining data from Channel No. 2 and Channel No. 4 and Channel No. 1. Records developed by Fred Renner.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1190	286	452	675	711	1010	516	96	931	349	40	1100
2	1160	290	446	659	688	966	403	98	714	286	48	929
3	1200	326	426	608	690	1060	328	93	695	190	63	962
4	1380	401	428	559	668	1070	305	92	685	117	77	1030
5	1370	443	439	518	637	1030	409	88	636	103	90	1040
6	1280	443	433	487	613	1030	438	90	571	92	100	995
7	1190	408	447	439	725	1000	448	97	507	83	75	997
8	1130	407	455	486	901	984	433	103	460	74	60	921
9	1080	412	490	571	1240	986	396	176	432	67	55	913
10	967	406	536	646	1520	885	368	161	433	64	49	966
11	897	392	548	658	1380	912	367	154	509	61	44	1000
12	856	382	559	684	1230	849	334	159	539	59	46	1060
13	842	395	584	756	1130	728	302	164	498	68	48	1020
14	832	428	558	769	1190	692	290	149	380	70	49	996
15	889	425	522	795	1110	704	272	123	337	76	87	1020
16	922	428	495	737	1050	720	290	129	356	79	102	1190
17	854	418	466	589	1030	727	274	119	414	91	74	1420
18	715	428	462	254	1020	684	218	113	609	95	64	1840
19	589	435	459	304	994	691	191	105	1280	113	95	2300
20	434	427	482	406	846	648	184	105	1780	109	90	2820
21	363	422	480	663	719	584	163	99	1710	75	76	2160
22	312	437	504	931	716	392	148	96	1590	68	114	2380
23	287	437	529	1050	702	337	160	100	1290	65	133	2850
24	304	436	554	1010	664	368	141	225	981	70	154	2630
25	291	442	556	959	598	380	121	146	918	66	161	2410
26	282	452	583	902	655	450	112	175	1290	56	162	2150
27	282	444	607	811	895	643	104	312	1350	53	157	1930
28	294	429	632	761	967	556	102	306	1160	46	123	1690
29	294	457	632	739	1020	509	104	388	866	48	194	1630
30	290	452	633	712	---	513	97	1510	520	48	613	1540
31	302	---	664	707	---	515	---	1430	---	44	1760	---
TOTAL	23078	12388	16061	20845	26309	22623	8018	7201	24441	2885	5003	45889
MEAN	744	413	518	672	907	730	267	232	815	93.1	161	1530
AC-FT	45780	24570	31860	41350	52180	44870	15900	14280	48480	5720	9920	91020
MAX	1380	457	664	1050	1520	1070	516	1510	1780	349	1760	2850
MIN	282	286	426	254	598	337	97	88	337	44	40	913
CAL YR 1995 TOTAL		51527	MEAN	141	MAX	1380	MIN	282	AC-FT	102200		
WTR YR 1996 TOTAL		214741	MEAN	587	MAX	2850	MIN	40	AC-FT	425900		

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09042000 EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA, CO

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

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

**REMARKS.**--For October and November 1995, chart data was used. Record in 1996 was taken from hourly satellite data. Where 1996 satellite data was spotty, hourly chart values were entered manually into the computer record. The record is good. Record developed by Bob Cooper.

**RATING TABLE.**--HSPTUNCO04 USED FROM 01-OCT-1995 TO 30-SEP-1996

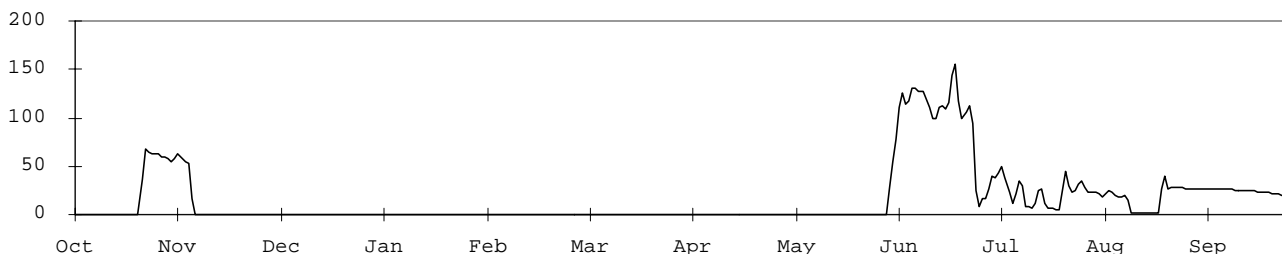
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.55	62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	23	27
2	0.55	59	0.0	0.0	0.0	0.0	0.0	0.0	28	27	23	26
3	0.55	54	0.0	0.0	0.0	0.0	0.0	0.0	54	39	23	26
4	0.45	53	0.0	0.0	0.0	0.0	0.0	0.0	78	38	21	26
5	0.18	17	0.0	0.0	0.0	0.0	0.0	0.0	110	43	19	26
6	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125	49	21	26
7	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114	38	24	26
8	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	118	23	23	26
9	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	131	11	20	26
10	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130	22	18	26
11	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	128	35	18	26
12	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127	30	20	26
13	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	119	8.9	15	26
14	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110	7.9	1.8	25
15	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	7.4	1.9	25
16	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	12	2.0	25
17	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111	24	1.8	24
18	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112	27	1.6	25
19	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	109	12	1.6	24
20	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116	7.1	1.7	24
21	36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	6.2	1.7	23
22	67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	155	5.6	1.7	23
23	65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117	5.4	26	23
24	63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	25	39	23
25	63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105	44	26	22
26	63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	113	29	28	21
27	59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94	23	28	21
28	59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	25	28	20
29	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	31	28	20
30	55	0.0	0.0	0.0	---	0.0	0.0	0.0	16	35	27	19
31	58	---	0.0	0.0	---	0.0	---	0.0	---	28	27	---
TOTAL	650.56	245	0.0	0.0	0.0	0.0	0.0	0.0	2895.8	735.5	540.8	726
MEAN	21.0	8.17	0.0	0.0	0.0	0.0	0.0	0.0	96.5	23.7	17.4	24.2
AC-FT	1290	486	0.0	0.0	0.0	0.0	0.0	0.0	5740	1460	1070	1440
MAX	67	62	0.0	0.0	0.0	0.0	0.0	0.0	155	49	39	27
MIN	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	1.6	19

CAL YR 1995 TOTAL 2836.61 MEAN 7.77 MAX 122 MIN 0.00 AC-FT 5630  
WTR YR 1996 TOTAL 5793.66 MEAN 15.8 MAX 155 MIN 0.00 AC-FT 11490

MAX DISCH 173 CFS AT 2400 21-JUN-1996 GH 2.87 FT. SHIFT -0.01 FT. MAX GH 2.87 FT. AT 2400 21-JUN-1996

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09046000 BOREAS PASS DITCH AT BOREAS PASS, CO

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

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

**REMARKS.**--Record was taken from hourly chart readings entered manually into the data base. Record is complete and reliable except for the first week--June13-June 20, 1996, when the chart time ended 6 hours slow, and ink was splotted. Stage did not vary more than 0.07 ft. during this week, so the daily averages should be reasonably close. The record is good. Record developed by Robert Cooper.

**RATING TABLE.**--BORDITCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

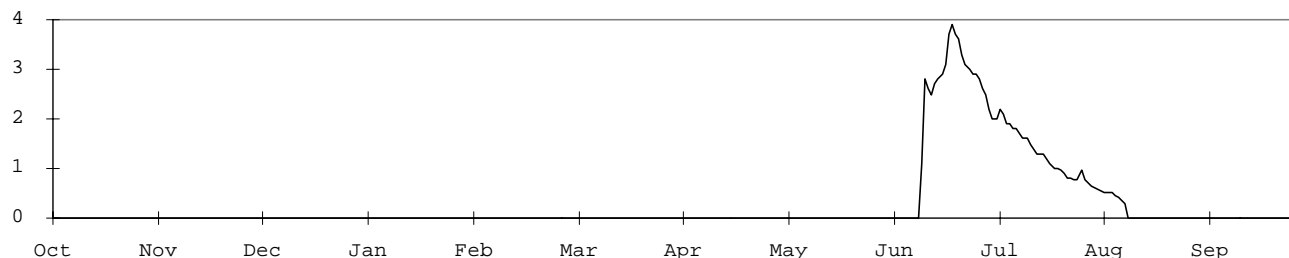
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	0.70	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.64	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.61	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.59	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.56	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.52	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.51	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.51	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.45	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.41	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.36	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.30	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.6	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.6	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.5	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.4	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.3	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.3	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.3	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	1.2	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	1.1	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	1.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.97	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.91	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.80	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.80	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.78	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.76	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.8	0.97	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.78	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.4	45.76	6.17	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.78	1.48	0.20	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	106	91	12	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	2.6	0.70	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.0	0.0

CAL YR 1995 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1996 TOTAL 105.33 MEAN 0.29 MAX 3.9 MIN 0.00 AC-FT 209

MAX DISCH 4.2 CFS AT 0300 22-JUN-1996 GH 0.82 FT. SHIFT -0.03 FT. MAX GH 0.82 FT. AT 0300 22-JUN-1996

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09050590 HAROLD D. ROBERTS TUNNEL NEAR GRANT, CO

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

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

**REMARKS.**--The primary record was hourly satellite data. Daily mean gage heights were checked against available chart data, and agreed within 0.02 ft. Record is complete and reliable. Record is good. During repair work in June and July, power to the gage was shut off and chart recorder did not run. Denver Water Dept. collected hourly readings and these were used to verify periods of test operation when the tunnel was run. Record is developed by Robert Cooper.

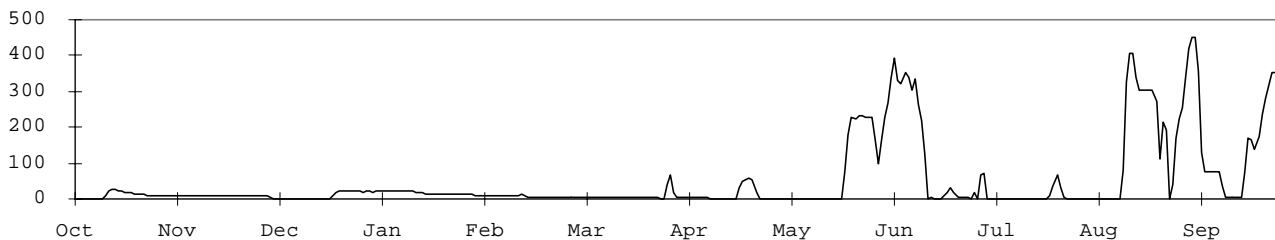
**RATING TABLE.**--ROBTUNCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	8.9	0.0	21	11	4.5	4.5	0.0	164	66	0.0	338
2	0.0	8.3	0.0	21	10	4.5	4.2	0.0	226	72	0.0	418
3	0.0	7.8	0.0	21	10	4.5	3.2	0.0	268	0.0	0.0	451
4	0.0	7.9	0.0	21	10	4.5	4.4	0.0	341	0.0	0.0	451
5	0.0	7.8	0.0	21	9.8	4.1	4.7	0.0	391	0.0	0.0	357
6	0.0	7.8	0.0	21	9.9	4.1	4.5	0.0	329	0.0	0.0	130
7	0.0	7.8	0.0	21	9.5	4.1	4.6	0.0	323	0.0	0.0	75
8	0.0	7.8	0.0	21	9.4	4.1	4.5	0.0	352	0.0	0.0	75
9	0.0	7.8	0.0	21	9.4	4.1	3.2	0.0	338	0.0	0.0	74
10	11	7.8	0.0	21	9.4	4.1	0.0	0.0	304	0.0	0.0	75
11	21	7.8	0.0	21	9.4	4.1	0.0	0.0	334	0.0	0.0	76
12	26	7.7	0.0	19	9.1	4.4	0.0	0.0	262	0.0	0.0	37
13	25	7.8	0.0	16	15	4.5	0.0	0.0	218	0.0	82	3.3
14	23	7.8	0.0	16	9.5	4.5	0.0	0.0	126	0.0	324	3.7
15	21	7.7	0.0	15	5.2	4.5	0.0	0.0	2.2	0.0	406	3.7
16	19	7.3	0.0	15	4.9	4.5	0.0	0.0	2.6	0.0	406	3.7
17	18	7.3	0.0	15	4.9	4.5	0.0	0.0	1.6	0.0	341	3.7
18	16	7.3	7.1	15	4.9	4.5	0.0	0.0	0.0	0.0	305	4.0
19	15	7.3	18	14	4.9	4.5	30	0.0	0.0	0.0	304	76
20	14	7.3	21	14	4.9	4.5	50	0.0	7.2	0.0	305	171
21	13	7.0	21	14	4.9	4.5	52	74	20	0.0	304	164
22	12	6.8	21	14	4.9	4.5	56	179	30	10	305	138
23	11	6.8	21	13	4.9	4.6	55	227	20	36	274	172
24	11	6.8	21	13	4.9	4.9	17	225	2.6	68	112	236
25	10	6.8	21	12	4.9	2.6	0.0	231	2.6	33	215	281
26	10	6.8	21	12	4.9	0.0	0.0	230	3.0	6.0	194	315
27	10	6.8	20	12	4.9	0.0	0.0	229	2.5	0.0	2.2	353
28	10	6.8	21	12	4.9	39	0.0	229	0.0	0.0	38	353
29	9.7	3.7	21	12	4.6	68	0.0	229	20	0.0	169	354
30	9.4	0.0	20	11	---	17	0.0	163	0.0	0.0	222	293
31	9.4	---	21	11	---	4.4	---	99	---	0.0	254	---
TOTAL	324.5	213.3	275.1	506	214.9	236.6	297.8	2115	4090.3	291.0	4562.2	5485.1
MEAN	10.5	7.11	8.87	16.3	7.41	7.63	9.93	68.2	136	9.39	147	183
AC-FT	644	423	546	1000	426	469	591	4200	8110	577	9050	10880
MAX	26	8.9	21	21	15	68	56	231	391	72	406	451
MIN	0.0	0.0	0.0	11	4.6	0.0	0.0	0.0	0.0	0.0	0.0	3.3
CAL YR 1995 TOTAL		21897.9	MEAN	60.0	MAX	281	MIN	0.00	AC-FT	43430		
WTR YR 1996 TOTAL		18611.8	MEAN	50.9	MAX	451	MIN	0.00	AC-FT	36920		

MAX DISCH 454 CFS AT 1600 23-AUG-1996 GH 3.04 FT. SHIFT 0.01 FT. MAX GH 3.04 FT. AT 1600 23-AUG-1996

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



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09047300 VIDLER TUNNEL NEAR ARGENTINE PASS, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--No measurement was made this year. The shift of -.09 was used from measurement made July 24, 1995. The record is considered good. Record developed by Rodger Burcher.

RATING TABLE.--RATING TABLE VIDTUNCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

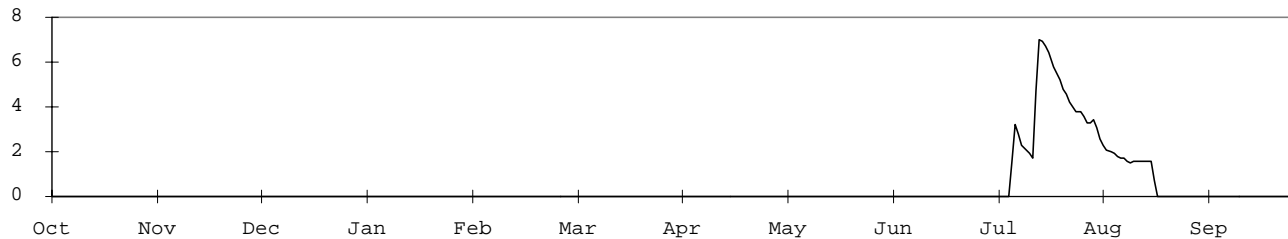
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.8	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.7	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.7	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.6	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.5	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.6	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.6	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	1.6	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	1.6	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	1.6	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	1.6	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.74	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	3.6	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.6	42.64	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.99	1.38	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	184	85	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	3.4	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1995 TOTAL 382.98 MEAN 1.05 MAX 13 MIN 0.00 AC-FT 760  
WTR YR 1996 TOTAL 135.24 MEAN 0.37 MAX 7.0 MIN 0.00 AC-FT 268

MAX DISCH 9.5 CFS AT 1800 17-JUL-1996 GH 0.95 FT. SHIFT -0.09 FT. MAX GH 0.95 FT. AT 1800 17-JUL-1996

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09021500 BERTHOUD PASS DITCH AT BERTHOUD PASS, CO

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

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

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

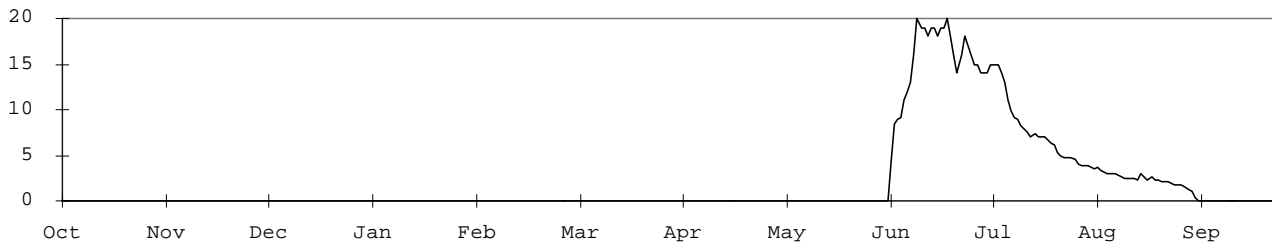
**RATING TABLE.**--BERDITCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
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	15	3.9	1.6
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.9	1.2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.9	0.99
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.7	0.42
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	15	3.5	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	15	3.6	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	15	3.4	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	14	3.1	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	13	3.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	11	3.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	9.8	2.9	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	9.2	2.8	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	9.0	2.7	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	8.3	2.5	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	7.9	2.5	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	7.5	2.5	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	7.1	2.5	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	7.3	2.2	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	7.1	3.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	7.1	2.6	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	7.1	2.3	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	6.7	2.6	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	6.3	2.3	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	6.1	2.2	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	5.2	2.1	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	5.0	2.1	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	4.7	2.1	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	4.7	1.9	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	4.8	1.7	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	15	4.5	1.7	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	4.1	1.7	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	403.0	279.5	83.9	4.21
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	9.02	2.71	0.14
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	799	554	166	8.3
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	3.9	1.6
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.7	0.0
CAL YR 1995 TOTAL		410.84	MEAN	1.13	MAX	14	MIN	0.00	AC-FT	815		
WTR YR 1996 TOTAL		770.61	MEAN	2.11	MAX	20	MIN	0.00	AC-FT	1530		

MAX DISCH 24 CFS AT 1730 13-JUN-1996 GH 2.04 FT. SHIFT -0.16 FT. MAX GH 2.04 FT. AT 1730 13-JUN-1996

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



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09035000 AUGUST P. GUMBLICK TUNNEL AT JONES PASS, CO

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

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

**REMARKS.**--The record is considered good. No measurement in WY-1996. Station maintained by Denver Water Board and record developed by Rodger Burcher.

**RATING TABLE.**--APGTUNCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

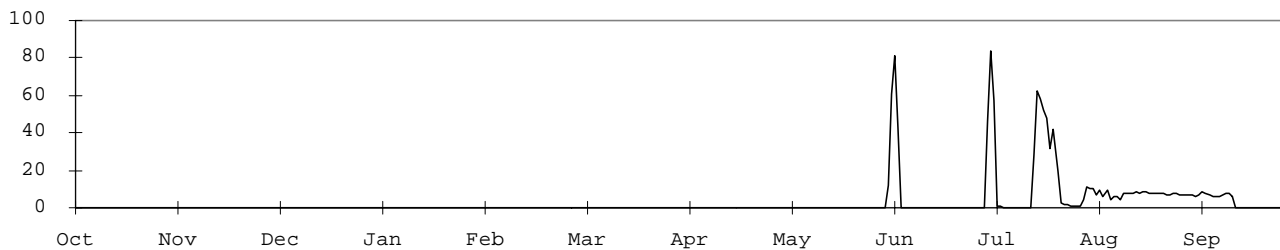
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	4.1	7.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	6.6
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	46	10	6.6
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	84	10	6.1
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81	57	6.5	6.6
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	0.53	9.4	8.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	6.2	7.4
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	9.4	6.6
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	6.1
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	6.1
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	5.6
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	7.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	7.9
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	7.9
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	5.7
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	8.4	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	7.9	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58	8.4	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	8.4	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	7.9	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	7.9	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	7.9	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	7.4	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	7.4	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	7.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	7.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.87	7.4	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	7.4	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.69	7.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.53	7.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	197	538.30	233.3	101.6
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.57	17.4	7.53	3.39
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	391	1070	463	202
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81	84	11	8.4
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0

CAL YR 1995 TOTAL 137.0 MEAN 0.38 MAX 16 MIN 0.00 AC-FT 272  
WTR YR 1996 TOTAL 1070.20 MEAN 2.92 MAX 84 MIN 0.00 AC-FT 2120

MAX DISCH 124 CFS AT 1430 05-JUN-1996 GH 1.50 FT. SHIFT 0.00 FT. MAX GH 1.50 FT. AT 1430 05-JUN-1996

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

09022500 EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE, CO

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

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

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

**REMARKS.**--Record is complete and reliable except for the following periods: Dec. 22-29, 1995 when well was frozen. Chart gage-height record was used on June 25, 1996. Record is good except for period of no gage-height, which is fair. Station maintained and record developed by Fred Renner.

**RATING TABLE.**--MOFTUNCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

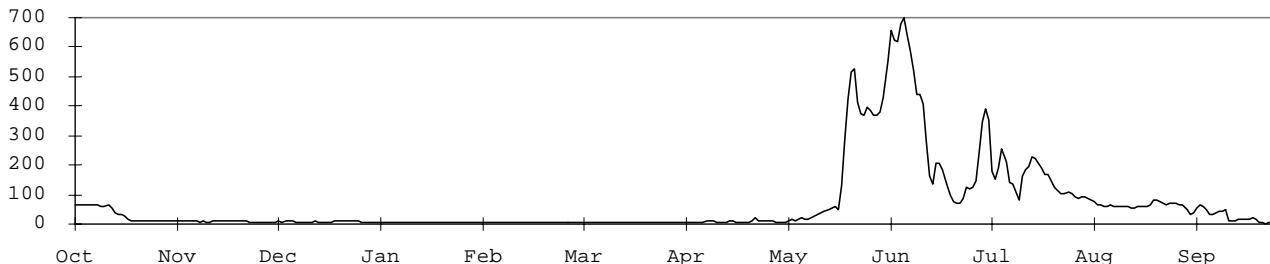
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	12	8.0	7.5	6.6	3.9	5.8	8.0	369	149	89	67
2	66	8.8	8.2	6.7	6.3	5.1	5.9	6.6	380	245	92	65
3	65	11	7.4	6.2	5.6	4.7	5.9	5.3	431	346	91	51
4	65	10	8.4	7.2	5.2	4.9	5.6	7.7	555	389	88	35
5	64	11	8.9	7.0	5.5	5.1	5.5	12	659	352	79	36
6	63	11	8.3	6.1	5.7	5.1	5.4	16	624	180	77	53
7	65	11	7.7	6.0	5.9	4.6	5.9	13	618	152	66	65
8	63	7.0	7.5	6.2	5.9	4.8	6.2	15	677	191	66	61
9	61	10	7.2	6.3	6.0	4.9	8.0	20	700	253	61	47
10	61	7.9	7.7	6.3	6.2	4.8	11	16	643	209	62	31
11	63	6.7	7.2	5.6	6.1	5.1	10	18	587	139	67	30
12	53	10	7.6	6.5	6.0	5.3	8.4	24	520	135	61	38
13	39	10	8.2	7.0	5.9	5.1	7.8	28	441	107	62	43
14	33	10	7.8	6.7	5.8	5.1	7.5	32	440	82	60	43
15	34	9.7	7.2	6.6	5.5	5.0	7.5	37	409	164	59	50
16	26	9.5	7.4	6.8	5.4	5.2	7.7	46	275	184	58	13
17	14	9.2	7.0	7.0	5.5	5.3	8.5	50	165	195	55	12
18	13	8.2	7.3	6.5	5.6	5.3	8.2	54	134	228	56	13
19	13	8.3	8.4	6.7	5.6	5.1	7.5	57	208	222	60	14
20	11	8.9	9.7	6.7	5.6	4.5	7.5	51	204	205	59	14
21	13	8.4	9.4	6.5	5.8	5.3	6.7	129	187	192	57	14
22	10	9.2	9.0	6.8	5.7	5.3	6.7	290	130	168	60	17
23	9.0	7.6	9.0	6.8	3.1	5.4	7.0	425	99	167	63	19
24	10	7.2	8.5	6.8	5.3	5.1	11	517	76	146	81	16
25	10	8.0	8.5	6.8	5.4	4.6	20	525	73	123	79	3.2
26	11	7.9	8.5	6.7	5.5	4.7	12	410	71	116	77	3.4
27	11	5.9	8.0	6.3	5.4	4.9	10	373	87	105	68	2.3
28	11	4.5	8.0	6.2	5.0	5.3	10	367	126	101	67	2.8
29	11	6.8	8.0	6.3	4.5	5.5	9.2	395	122	110	73	3.6
30	12	7.1	7.0	6.3	---	5.8	8.8	387	123	105	72	12
31	12	---	7.3	6.4	---	5.8	---	371	---	93	70	---
TOTAL	1058.0	262.8	248.3	203.5	161.6	156.6	247.2	4705.6	10133	5553	2135	874.3
MEAN	34.1	8.76	8.01	6.56	5.57	5.05	8.24	152	338	179	68.9	29.1
AC-FT	2100	521	493	404	321	311	490	9330	20100	11010	4230	1730
MAX	66	12	9.7	7.5	6.6	5.8	20	525	700	389	92	67
MIN	9.0	4.5	7.0	5.6	3.1	3.9	5.4	5.3	71	82	55	2.3

CAL YR 1995 TOTAL 11815.8 MEAN 32.4 MAX 243 MIN 0.00 AC-FT 23440  
WTR YR 1996 TOTAL 25738.9 MEAN 70.3 MAX 700 MIN 2.3 AC-FT 51050

MAX DISCH 786 CFS AT 1815 05-JUN-1996 GH 5.12 FT. SHIFT -0.01 FT. MAX GH 5.12 FT. AT 1815 05-JUN-1996

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





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.

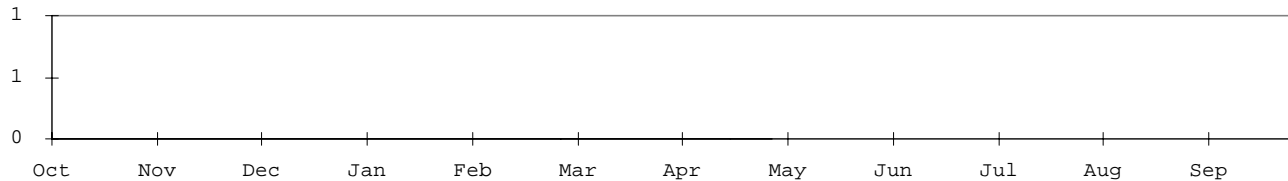
**REMARKS.**--Record is provided by City of Loveland. In the fall of 1995 an agreement facilitating the abandonment of Eureka Ditch in Rocky Mountain National Park was signed. The National Park Service wanted to remove and reclaim the Eureka Ditch which imports water from headwaters of the Colorado River basin. Water flowed in ditch until July 17, 1996. There was no recording devices during this period. The National Park Service has placed some fill material in the ditch and has constructed several coffer dams to impede flow from draining into ditch. The City of Loveland, the previous owner, will receive .85 cubic feet per second or 180 acre feet of replacement water, delivered by Northern Colorado Water Conservancy District through the Colorado Big Thompson Project, in November of each year. This year they received approximately 96 acre feet. Additional information can be obtained through the Water Commissioner. Eureka Ditch is no longer in service.

**RATING TABLE.**--EURDITCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---
30	0.0	0.0	0.0	0.0	---	0.0	0.0	---	---	---	---	---
31	0.0	---	0.0	0.0	---	0.0	---	---	---	---	---	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
CAL YR 1995 TOTAL			0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00	
WTR YR 1996 TOTAL				MEAN		MAX		MIN		AC-FT	0.0	

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

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

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

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

REMARKS.--Record is complete and reliable. Water was diverted through the Adams Tunnel Flume from Wind River this year. From May 16-July9, 1996, 497 acre feet of Wind River water was included at the gage at the 15-foot Parshall flume. This record at the flume minus 497 A/F of Wind River water equals the diversion from the western slope. Record is good. Station maintained and record developed by Merlin Friedrichsen.

RATING TABLE.--ADATUNCO06 USED FROM 01-OCT-1995 TO 30-SEP-1996

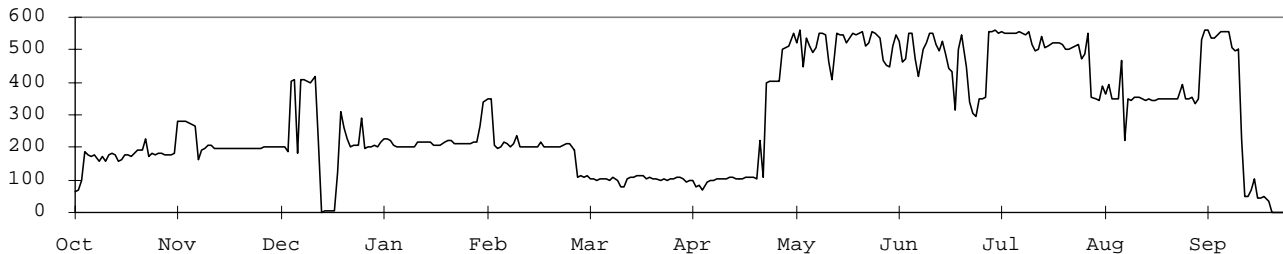
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	281	201	214	340	111	103	501	454	352	549	354
2	68	280	201	228	347	109	94	508	449	554	353	336
3	96	282	200	228	348	112	96	510	511	558	351	350
4	189	275	186	220	207	102	97	550	545	559	342	531
5	179	271	403	206	198	101	78	523	527	553	390	559
6	174	266	408	204	202	98	86	559	462	556	366	561
7	177	163	180	202	218	102	69	450	472	552	392	538
8	159	193	406	201	211	101	94	537	549	549	350	535
9	174	199	406	200	204	104	97	513	549	550	351	545
10	156	209	402	200	211	100	97	494	472	551	351	557
11	175	207	397	201	236	107	102	508	416	555	469	555
12	180	198	418	214	203	99	104	551	503	550	223	555
13	175	198	218	215	203	80	104	551	521	547	348	509
14	159	197	0.85	216	203	79	105	545	550	555	345	495
15	160	197	4.0	216	203	102	109	464	552	514	353	503
16	175	198	3.8	214	203	108	106	409	518	499	353	224
17	175	197	3.7	206	203	106	105	549	499	503	348	49
18	172	197	3.8	207	217	111	105	546	528	540	344	48
19	181	197	123	206	201	111	103	545	486	507	347	68
20	191	197	308	215	201	112	106	521	445	512	344	101
21	194	197	263	222	201	105	106	536	435	522	344	46
22	227	198	228	220	201	106	107	552	317	522	348	44
23	170	197	204	213	202	103	104	548	501	521	349	48
24	180	198	205	212	201	104	219	553	546	514	349	34
25	178	197	205	212	208	98	107	554	447	503	348	0.10
26	182	197	292	213	212	104	397	513	337	504	348	0.06
27	181	204	197	213	213	98	402	520	307	505	349	0.04
28	178	202	204	213	190	102	402	554	295	511	349	0.0
29	178	201	204	215	106	102	402	549	351	514	392	0.0
30	179	201	205	217	---	108	403	538	348	473	350	6.7
31	182	---	203	266	---	106	---	468	---	488	349	---
TOTAL	5209	6394	6883.15	6629	6293	3191	4609	16219	13892	16193	11144	8151.90
MEAN	168	213	222	214	217	103	154	523	463	522	359	272
AC-FT	10330	12680	13650	13150	12480	6330	9140	32170	27550	32120	22100	16170
MAX	227	282	418	266	348	112	403	559	552	559	549	561
MIN	65	163	0.85	200	106	79	69	409	295	352	223	0.0

CAL YR 1995 TOTAL 99603.76 MEAN 273 MAX 552 MIN 0.85 AC-FT 197600  
WTR YR 1996 TOTAL 104808.05 MEAN 286 MAX 561 MIN 0.00 AC-FT 207900

MAX DISCH 619 CFS AT 0215 06-MAY-1996 GH 4.40 FT. SHIFT 0.00 FT. MAX GH 4.40 FT. AT 0215 06-MAY-1996

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



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09010000 GRAND RIVER DITCH AT LA POUVRE PASS, CO

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

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

**REMARKS.**--Record complete and reliable. The DCP and Recorder were installed on May 16, 1996. Water run from May 16-Sep. 24, 1996. Record is good. Station maintained and record developed by George Sievers.

**RATING TABLE.**--GRNDRDCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

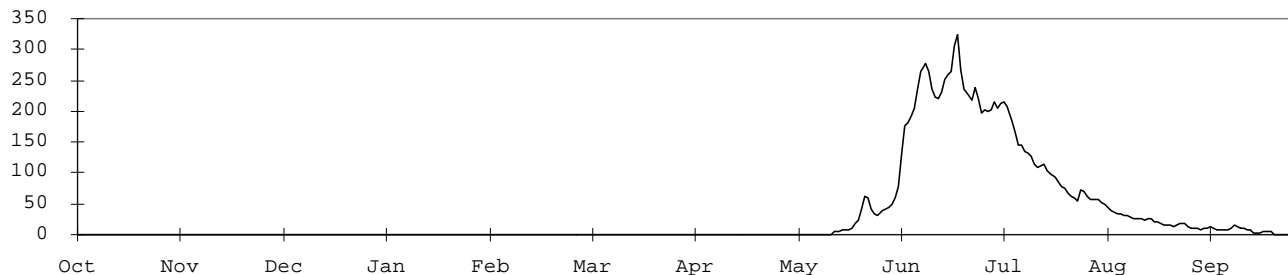
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	43	199	58	9.9
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	202	57	9.2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	216	58	8.8
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	204	53	9.2
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130	213	48	9.4
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	177	215	43	12
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	181	208	40	10
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	191	184	37	8.9
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	205	165	35	8.1
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	235	146	33	7.7
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	265	144	31	7.3
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	278	135	30	11
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	265	131	28	15
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	237	127	27	12
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	224	115	26	11
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	220	109	26	9.4
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	231	111	24	7.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	251	115	25	6.6
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	260	105	26	3.3
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	265	99	21	2.9
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	307	93	20	3.7
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	324	85	18	4.3
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	266	78	16	6.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	236	74	15	4.2
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	226	67	15	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	219	62	14	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	239	59	15	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	221	55	17	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	197	72	17	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	38	201	70	14	0.0
31	0.0	---	0.0	0.0	---	0.0	---	41	---	61	11	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	431.0	6281	3919	898	196.9
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	209	126	29.0	6.56
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	855	12460	7770	1780	391
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	324	216	58	15
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	55	11	0.0

CAL YR 1995 TOTAL 10122.2 MEAN 27.7 MAX 235 MIN 0.00 AC-FT 20080  
WTR YR 1996 TOTAL 11725.9 MEAN 32.0 MAX 324 MIN 0.00 AC-FT 23260

MAX DISCH 376 CFS AT 2200 21-JUN-1996 GH 4.10 FT. SHIFT 0.00 FT. MAX GH 4.10 FT. AT 2200 21-JUN-1996

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

06745500 CAMERON PASS DITCH AT CAMERON PASS, CO

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

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

**REMARKS.**--No water run in WY 1996.

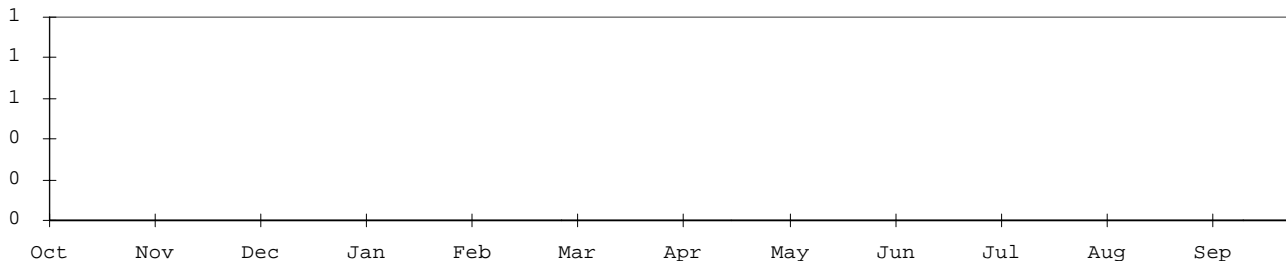
**RATING TABLE.**--CAPDCPC001 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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

CAL YR 1995 TOTAL           0 MEAN       0.00 MAX       0.00 MIN       0.00 AC-FT       0.00  
WTR YR 1996 TOTAL           0 MEAN       0.00 MAX       0.00 MIN       0.00 AC-FT       0.00

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



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06746000 MICHIGAN DITCH AT CAMERON PASS, CO

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

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

**REMARKS.**--Record is complete and reliable except for Oct. 4-6, 20-22, 1995 which were ice affected. Flow values for the period Oct. 24, 1995-May 16, 1996 were computed with the Marsh-McBirney Flo-tote installed by the City of Ft. Collins. These values for Oct. 24-Dec. 1, 1995 were estimated based on a measurement made Nov. 10. These were tied to the last good chart record of Oct. 23, the measurement of Nov. 10, and the Flo-tote value on Dec. 1, 1995. Station maintained and record developed by George Sievers.

**RATING TABLE.**--MICDCPC002 USED FROM 01-OCT-1995 TO 30-SEP-1996

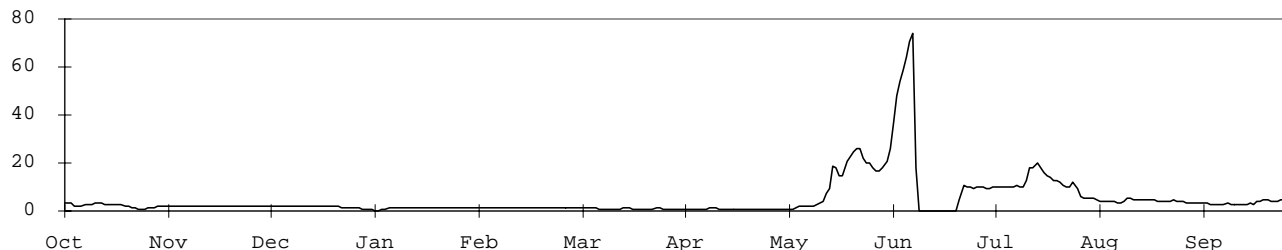
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	2.0	2.1	0.42	1.4	1.2	0.91	0.69	17	10	5.4	3.2
2	3.2	2.0	2.2	0.20	1.4	1.2	0.91	0.67	18	9.8	5.1	3.2
3	3.2	2.0	2.2	0.12	1.3	1.2	0.99	0.68	21	9.5	5.4	3.2
4	2.2	2.0	2.2	0.43	1.3	1.2	0.96	0.69	26	9.5	5.1	3.2
5	2.2	2.0	2.1	1.0	1.3	1.1	0.92	0.69	37	10	4.6	3.2
6	2.3	2.0	2.0	1.2	1.2	1.1	0.90	1.0	48	10	4.1	3.4
7	2.4	2.0	2.1	1.1	1.2	1.1	0.92	1.4	54	10	3.9	3.2
8	2.8	2.0	2.1	1.1	1.2	1.1	0.98	1.8	59	10	3.9	2.8
9	2.8	2.0	2.0	1.4	1.2	1.0	0.96	2.3	64	10	3.9	2.8
10	3.2	2.0	2.0	1.4	1.2	1.0	1.0	2.2	71	9.8	3.7	2.4
11	3.2	2.0	1.9	1.5	1.2	1.0	1.1	2.2	74	10	3.2	2.4
12	3.2	2.0	1.9	1.5	1.2	0.99	1.1	1.9	18	11	3.2	3.0
13	2.8	2.0	2.0	1.4	1.2	0.96	1.1	2.5	0.0	10	4.1	3.2
14	2.6	2.0	1.9	1.4	1.3	0.97	1.0	3.1	0.0	10	5.4	3.0
15	2.8	2.0	1.9	1.4	1.3	0.99	0.90	3.8	0.0	13	5.4	2.8
16	2.6	2.0	1.9	1.4	1.2	1.1	0.84	7.6	0.0	18	4.6	2.8
17	2.4	2.0	1.9	1.4	1.2	1.1	0.83	9.2	0.0	18	4.6	3.0
18	2.4	2.0	1.9	1.4	1.2	1.1	0.84	19	0.0	20	4.9	3.0
19	2.0	2.0	1.8	1.4	1.2	1.0	0.77	18	0.0	18	4.6	3.0
20	1.8	2.0	1.8	1.4	1.2	1.0	0.74	15	0.0	16	4.6	3.2
21	1.6	2.0	1.7	1.5	1.2	1.0	0.71	15	0.0	15	4.4	3.0
22	1.3	2.0	1.7	1.4	1.2	0.98	0.69	21	0.0	14	4.4	3.7
23	0.67	2.0	1.6	1.4	1.3	0.95	0.67	23	0.0	13	4.1	3.9
24	0.70	2.0	1.6	1.4	1.3	0.98	0.65	25	0.0	13	3.9	4.9
25	0.90	2.0	1.5	1.4	1.3	1.0	0.74	26	4.8	12	3.7	4.6
26	1.1	2.0	1.4	1.4	1.2	1.1	0.93	26	11	11	3.7	4.1
27	1.3	2.0	1.3	1.4	1.2	1.1	0.76	22	10	10	3.7	3.9
28	1.5	2.0	1.2	1.4	1.2	1.0	0.71	20	9.8	10	4.4	4.1
29	1.7	2.0	0.69	1.4	1.2	1.0	0.71	20	9.2	12	4.1	4.6
30	1.9	2.0	0.51	1.4	---	1.0	0.69	18	9.8	9.2	3.9	4.6
31	2.0	---	0.58	1.5	---	1.0	---	17	---	5.7	3.7	---
TOTAL	68.17	60.0	53.68	38.17	36.0	32.52	25.93	327.42	561.6	367.5	133.7	101.4
MEAN	2.20	2.00	1.73	1.23	1.24	1.05	0.86	10.6	18.7	11.9	4.31	3.38
AC-FT	135	119	106	76	71	65	51	649	1110	729	265	201
MAX	3.4	2.0	2.2	1.5	1.4	1.2	1.1	26	74	20	5.4	4.9
MIN	0.67	2.0	0.51	0.12	1.2	0.95	0.65	0.67	0.0	5.7	3.2	2.4

CAL YR 1995 TOTAL 3026.90 MEAN 8.29 MAX 88 MIN 0.00 AC-FT 6000  
WTR YR 1996 TOTAL 1806.09 MEAN 4.93 MAX 74 MIN 0.00 AC-FT 3580

MAX DISCH 84 CFS AT 1730 11-JUN-1996 GH 1.82 FT. SHIFT 0.00 FT. MAX GH 1.82 FT. AT 1730 11-JUN-1996

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

06746500 SKYLINE DITCH NEAR CHAMBERS LAKE, CO

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

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

REMARKS.--No water run in WY 1996.

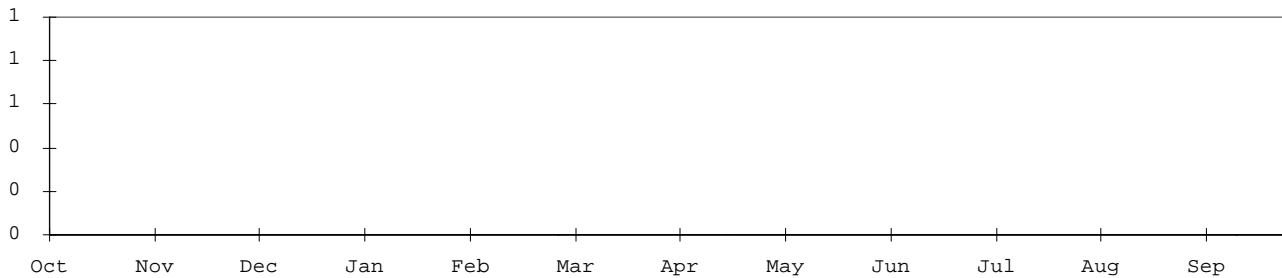
RATING TABLE.--SKYDCLCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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

CAL YR 1995 TOTAL           0 MEAN       0.00 MAX       0.00 MIN       0.00 AC-FT       0.00  
WTR YR 1996 TOTAL           0 MEAN       0.00 MAX       0.00 MIN       0.00 AC-FT       0.00

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



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06747000 LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE, CO

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

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

REMARKS.--Record is complete and reliable. Water was diverted from May 3-28, and July 12-Sep. 23, 1996. Station maintained and record developed by George Sievers.

RATING TABLE.--LAPTUNCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

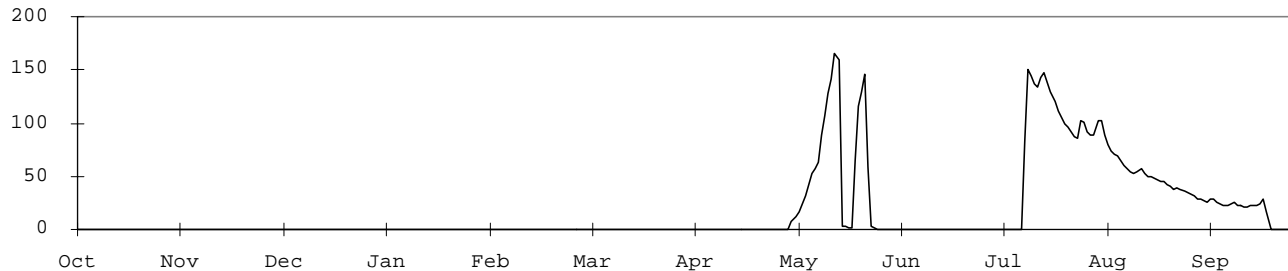
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	88	31
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89	29
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	103	28
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	103	27
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0	89	26
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	0.0	0.0	80	29
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0	0.0	74	28
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	0.0	0.0	70	26
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	0.0	0.0	69	24
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	0.0	0.0	65	22
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	0.0	0.0	60	22
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88	0.0	82	57	24
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107	0.0	150	54	25
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	128	0.0	145	53	23
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	141	0.0	137	54	23
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	166	0.0	134	57	21
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	159	0.0	143	52	21
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	148	50	22
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	139	49	22
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	130	48	23
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	120	46	24
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65	0.0	112	45	29
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116	0.0	106	45	17
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	129	0.0	100	42	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146	0.0	96	40	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	0.0	91	38	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	87	39	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	86	38	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103	36	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	101	34	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	92	33	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1623.2	0.0	2302	1800	566
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.4	0.0	74.3	58.1	18.9
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3220	0.0	4570	3570	1120
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	166	0.0	150	103	31
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0

CAL YR 1995 TOTAL 5174.42 MEAN 14.2 MAX 158 MIN 0.00 AC-FT 10260  
WTR YR 1996 TOTAL 6291.2 MEAN 17.2 MAX 166 MIN 0.00 AC-FT 12480

MAX DISCH 212 CFS AT 2115 16-MAY-1996 GH 2.86 FT. SHIFT 0.00 FT. MAX GH 2.86 FT. AT 2115 16-MAY-1996

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



## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

## DEADMAN DITCH NEAR DEADMAN PARK, CO

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

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

**REMARKS.**--No water run in WY 1996.

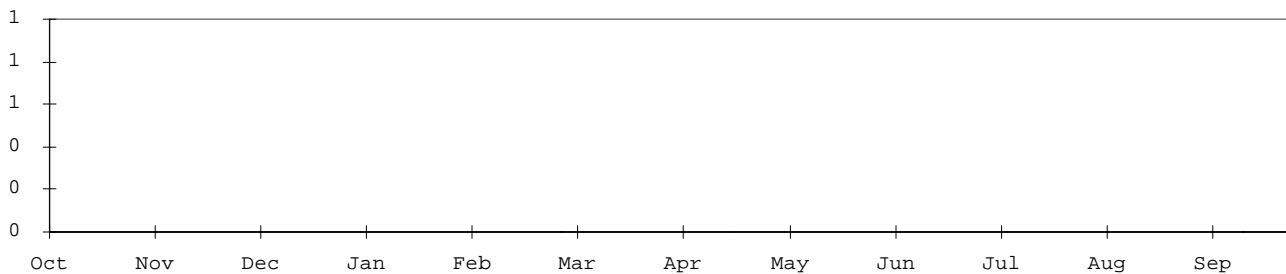
**RATING TABLE.**--DEADDDPC001 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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

CAL YR 1995 TOTAL           0 MEAN       0.00 MAX       0.00 MIN       0.00 AC-FT       0.00  
WTR YR 1996 TOTAL           0 MEAN       0.00 MAX       0.00 MIN       0.00 AC-FT       0.00

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





## TRANSMOUNTAIN DIVERSION TO

## PLATTE RIVER BASIN

06750500 WILSON SUPPLY DITCH NEAR EATON RESERVOIR, CO

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

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

**REMARKS.**--Record is complete and reliable. Chart values were used from May 11-May 21 when S.E. was not working. It was replaced and new one was working till ditch shut off on June 17. Water was run May 11-June 17, 1996. Station maintained and record developed by George Sievers.

**RATING TABLE.**--WSDEARCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

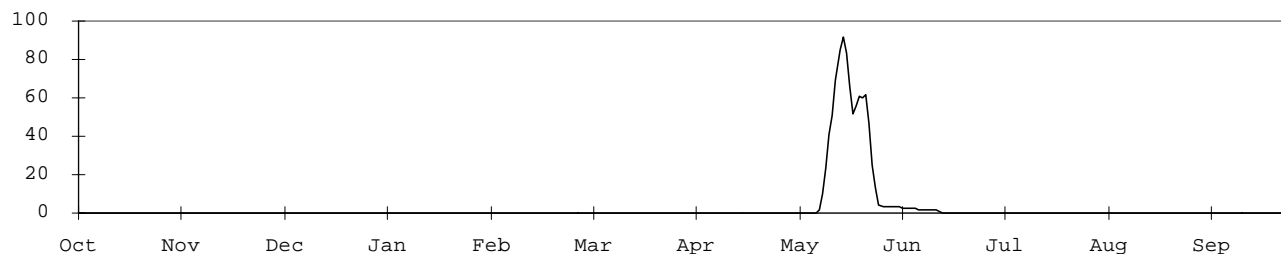
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	3.5	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	1.7	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	1.7	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	1.5	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	1.8	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69	1.1	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85	0.26	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	3.7	0.0	0.0	0.0	---
31	0.0	---	0.0	0.0	---	0.0	---	3.6	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	908.7	37.16	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.3	1.24	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1800	74	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92	3.5	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 1995 TOTAL 493.3 MEAN 1.35 MAX 82 MIN 0.00 AC-FT 978  
WTR YR 1996 TOTAL 945.86 MEAN 2.58 MAX 92 MIN 0.00 AC-FT 1880

MAX DISCH 136 CFS AT 1900 18-MAY-1996 GH 2.17 FT. SHIFT 0.00 FT. MAX GH 2.17 FT. AT 1900 18-MAY-1996

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



## REPUBLICAN RIVER BASIN

## PIONEER DITCH AT HEADGATE NEAR LAIRD, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following periods: Oct. 17, 1995-Apr. 23, 1996 and June 4-9, 1996 when canal was off; Sep. 10-12, 26, 1996 when clock stopped. Record is good except for periods of no gage-height record, which is fair. Station maintained by Pioneer Ditch Company. Record developed by Fred Renner.

RATING TABLE.--RATING TABLE PIOHDGCO03 USED FROM 01-OCT-1995 TO 31-OCT-1995  
PIOHDGCO04 USED FROM 01-NOV-1995 TO 30-SEP-1996

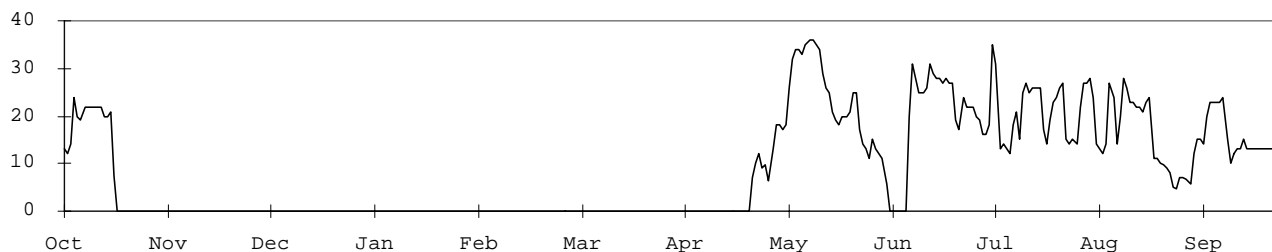
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	18	12	19	27	6.6
2	12	0.0	0.0	0.0	0.0	0.0	0.0	18	11	16	27	5.6
3	14	0.0	0.0	0.0	0.0	0.0	0.0	17	5.6	16	28	12
4	24	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	18	24	15
5	20	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	35	14	15
6	19	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0	31	13	14
7	22	0.0	0.0	0.0	0.0	0.0	0.0	34	0.0	13	12	20
8	22	0.0	0.0	0.0	0.0	0.0	0.0	34	0.0	14	14	23
9	22	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0	13	27	23
10	22	0.0	0.0	0.0	0.0	0.0	0.0	35	20	12	24	23
11	22	0.0	0.0	0.0	0.0	0.0	0.0	36	31	18	14	23
12	22	0.0	0.0	0.0	0.0	0.0	0.0	36	28	21	20	24
13	20	0.0	0.0	0.0	0.0	0.0	0.0	35	25	15	28	15
14	20	0.0	0.0	0.0	0.0	0.0	0.0	34	25	25	26	10
15	21	0.0	0.0	0.0	0.0	0.0	0.0	29	26	27	23	12
16	7.4	0.0	0.0	0.0	0.0	0.0	0.0	26	31	25	23	13
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	29	26	22	13
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	28	26	22	15
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	28	26	21	13
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	27	17	23	13
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	28	14	24	13
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	27	19	11	13
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	27	23	11	13
24	0.0	0.0	0.0	0.0	0.0	0.0	7.1	25	19	24	10	13
25	0.0	0.0	0.0	0.0	0.0	0.0	10	25	17	26	9.8	13
26	0.0	0.0	0.0	0.0	0.0	0.0	12	17	24	27	9.0	13
27	0.0	0.0	0.0	0.0	0.0	0.0	9.0	14	22	15	8.0	13
28	0.0	0.0	0.0	0.0	0.0	0.0	9.6	13	22	14	5.2	8.3
29	0.0	0.0	0.0	0.0	0.0	0.0	6.5	11	22	15	4.6	5.9
30	0.0	0.0	0.0	0.0	---	0.0	13	15	20	14	7.1	7.7
31	0.0	---	0.0	0.0	---	0.0	---	13	---	22	7.1	---
TOTAL	302.4	0.0	0.0	0.0	0.0	0.0	67.2	738	554.6	626	538.8	421.1
MEAN	9.75	0.0	0.0	0.0	0.0	0.0	2.24	23.8	18.5	20.2	17.4	14.0
AC-FT	600	0.0	0.0	0.0	0.0	0.0	133	1460	1100	1240	1070	835
MAX	24	0.0	0.0	0.0	0.0	0.0	13	36	31	35	28	24
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	12	4.6	5.6

CAL YR 1995 TOTAL 2577.41 MEAN 7.06 MAX 40 MIN 0.00 AC-FT 5110  
WTR YR 1996 TOTAL 3248.1 MEAN 8.87 MAX 36 MIN 0.00 AC-FT 6440

MAX DISCH 47 CFS AT 2030 21-AUG-1996 GH 1.89 FT. SHIFT 0.02 FT. MAX GH 1.89 FT. AT 2030 21-AUG-1996

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



## REPUBLICAN RIVER BASIN

## PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE

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

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

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

**REMARKS.**--Record is complete and reliable except for the following periods: Oct. 17, 1995-Apr. 24 1996 and June 4-9, 1996 when the ditch was off; May 8-14, 1996 when pen was not tracing or partial tracing; June 11, 15-16, 23, 1996 when gage height data was outside shift range; July 15, 26, 1996, rainstorm event. The conditions at the gage makes record computation very difficult. Stage-shift curves were needed because of the fluctuation of submergence. This is the result of placement of flume, backwater from boards in canal, and sudden storms. Record is fair except for period of no gage-height record which is poor. Record developed by Fred Renner.

**RATING TABLE.**--PIOSTLCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

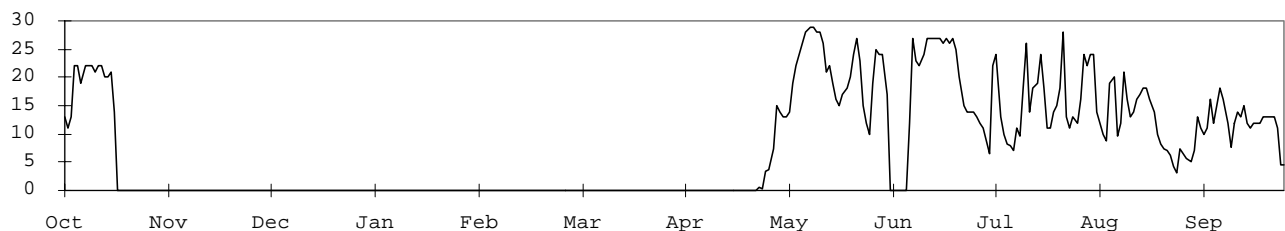
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	15	24	12	24	5.7
2	11	0.0	0.0	0.0	0.0	0.0	0.0	14	24	11	22	5.0
3	13	0.0	0.0	0.0	0.0	0.0	0.0	13	17	8.9	24	7.0
4	22	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	6.6	24	13
5	22	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	22	14	11
6	19	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	24	12	10
7	22	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	13	10	11
8	22	0.0	0.0	0.0	0.0	0.0	0.0	24	0.0	10	8.9	16
9	22	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	8.3	19	12
10	21	0.0	0.0	0.0	0.0	0.0	0.0	28	12	7.9	20	15
11	22	0.0	0.0	0.0	0.0	0.0	0.0	29	27	7.0	9.7	18
12	22	0.0	0.0	0.0	0.0	0.0	0.0	29	23	11	12	16
13	20	0.0	0.0	0.0	0.0	0.0	0.0	28	22	9.5	21	12
14	20	0.0	0.0	0.0	0.0	0.0	0.0	28	24	18	16	7.7
15	21	0.0	0.0	0.0	0.0	0.0	0.0	26	27	26	13	12
16	14	0.0	0.0	0.0	0.0	0.0	0.0	21	27	14	14	14
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	27	18	16	13
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	27	19	17	15
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	27	24	18	12
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	26	18	18	11
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	27	11	16	12
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	26	11	14	12
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	27	14	10	12
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	25	15	8.3	13
25	0.0	0.0	0.0	0.0	0.0	0.0	0.10	27	20	18	7.3	13
26	0.0	0.0	0.0	0.0	0.0	0.0	0.49	23	15	28	7.0	13
27	0.0	0.0	0.0	0.0	0.0	0.0	0.42	15	14	13	6.2	13
28	0.0	0.0	0.0	0.0	0.0	0.0	3.3	12	14	11	4.2	11
29	0.0	0.0	0.0	0.0	0.0	0.0	3.6	10	14	13	3.1	4.4
30	0.0	0.0	0.0	0.0	---	0.0	7.4	19	13	12	7.3	4.4
31	0.0	---	0.0	0.0	---	0.0	---	25	---	16	6.4	---
TOTAL	306	0.0	0.0	0.0	0.0	0.0	15.31	631	529	450.2	422.4	344.2
MEAN	9.87	0.0	0.0	0.0	0.0	0.0	0.51	20.4	17.6	14.5	13.6	11.5
AC-FT	607	0.0	0.0	0.0	0.0	0.0	30	1250	1050	893	838	683
MAX	22	0.0	0.0	0.0	0.0	0.0	7.4	29	27	28	24	18
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	6.6	3.1	4.4

CAL YR 1995 TOTAL 1933.89 MEAN 5.30 MAX 25 MIN 0.00 AC-FT 3840  
WTR YR 1996 TOTAL 2698.11 MEAN 7.37 MAX 29 MIN 0.00 AC-FT 5350

MAX DISCH 29 CFS AT 0800 16-JUN-1996 GH 2.62 FT. SHIFT -1.17 FT. MAX GH 2.62 FT. AT 0800 16-JUN-1996

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



## ARKANSAS RIVER BASIN

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

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

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

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

**RATING TABLE.**--LFCBSLCO04 USED FROM 01-OCT-1995 TO 30-SEP-1996

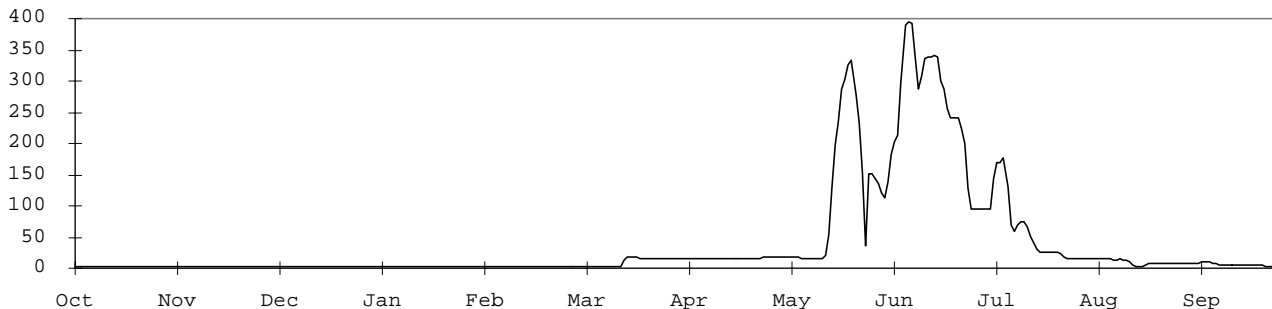
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	3.4	3.5	3.4	3.4	3.4	16	17	121	95	15	8.5
2	2.8	3.4	3.6	3.4	3.4	3.4	16	17	113	94	15	8.5
3	2.9	3.4	3.7	3.4	3.4	3.4	16	17	139	95	15	8.5
4	3.1	3.4	3.7	3.4	3.4	3.4	16	17	183	95	15	8.5
5	3.1	3.4	3.3	3.4	3.4	3.4	16	18	202	144	15	8.8
6	2.8	3.4	3.3	3.4	3.4	3.4	16	18	212	170	15	9.0
7	2.6	3.4	3.4	3.4	3.4	3.4	16	17	298	169	15	9.0
8	2.6	3.4	3.4	3.4	3.4	3.4	16	16	390	177	15	9.0
9	2.6	3.4	3.4	3.4	3.4	3.4	16	16	394	131	15	8.7
10	2.8	3.4	3.4	3.4	3.4	3.4	16	16	392	70	14	6.5
11	3.4	3.4	3.4	3.4	3.4	3.4	16	16	339	60	14	4.6
12	3.7	3.4	3.4	3.4	3.4	3.6	16	16	286	69	15	4.6
13	3.5	3.4	3.4	3.4	3.4	3.7	16	16	308	74	14	4.6
14	3.4	3.4	3.4	3.4	3.4	3.7	16	15	337	74	13	4.6
15	3.4	3.2	3.4	3.4	3.4	12	16	21	339	67	11	4.8
16	3.4	3.5	3.4	3.4	3.4	17	16	54	339	52	5.1	4.9
17	3.4	3.4	3.4	3.4	3.4	17	16	131	342	42	1.7	4.9
18	3.4	3.1	3.4	3.4	3.4	17	16	198	338	31	1.7	5.3
19	3.4	3.1	3.4	3.4	3.4	17	16	235	301	26	1.7	4.9
20	3.4	3.3	3.4	3.4	3.4	16	16	286	286	26	4.4	4.9
21	3.4	3.4	3.4	3.4	3.4	16	16	303	256	26	7.0	4.9
22	3.4	3.4	3.4	3.4	3.4	16	16	326	240	26	8.1	4.9
23	3.4	3.4	3.4	3.4	3.4	16	16	333	240	26	8.5	4.9
24	3.4	3.4	3.4	3.4	3.4	16	16	280	240	26	8.5	4.3
25	3.4	3.4	3.4	3.4	3.4	16	16	233	223	23	8.5	3.6
26	3.4	3.4	3.4	3.4	3.4	16	17	154	200	18	8.5	3.4
27	3.4	3.4	3.2	3.4	3.4	16	17	35	129	16	8.5	3.4
28	3.4	3.4	3.5	3.4	3.4	16	17	151	94	16	8.5	3.4
29	3.4	3.4	3.5	3.4	3.4	16	17	152	95	16	8.5	3.4
30	3.4	3.4	3.4	3.4	---	16	17	143	95	15	8.5	3.4
31	3.4	---	3.4	3.4	---	16	---	136	---	15	8.5	---
TOTAL	100.1	101.2	106.1	105.4	98.6	320.4	485	3403	7471	1984	322.2	172.7
MEAN	3.23	3.37	3.42	3.40	3.40	10.3	16.2	110	249	64.0	10.4	5.76
AC-FT	199	201	210	209	196	636	962	6750	14820	3940	639	343
MAX	3.7	3.5	3.7	3.4	3.4	17	17	333	394	177	15	9.0
MIN	2.6	3.1	3.2	3.4	3.4	3.4	16	15	94	15	1.7	3.4

CAL YR 1995 TOTAL 7420.1 MEAN 20.3 MAX 316 MIN 2.6 AC-FT 14720  
WTR YR 1996 TOTAL 14669.7 MEAN 40.1 MAX 394 MIN 1.7 AC-FT 29100

MAX DISCH 445 CFS AT 0900 08-JUN-1996 GH 2.05 FT. SHIFT 0.04 FT. MAX GH 2.05 FT. AT 0900 08-JUN-1996

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



ARKANSAS RIVER BASIN

07084500 LAKE CREEK ABOVE TWIN LAKES RESERVOIR, CO

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

**DRAINAGE AREA.**--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. 19, 1995-Apr. 17, 1996 when the station was closed for the winter. Nov. 2-3, 11-18, 1995; Apr. 21-22, 28-29, 1996 when the stage-discharge relationship was affected by ice. Oct. 18-19, 27, 1995; Apr. 18-20, 23-24, 1996 when intake was plugged and Nov. 5-10, 1995 when the stilling well was frozen. Record fair, except for periods of no gage-height record or ice effect, which is poor. Record developed and station maintained by L.R. Schultz.

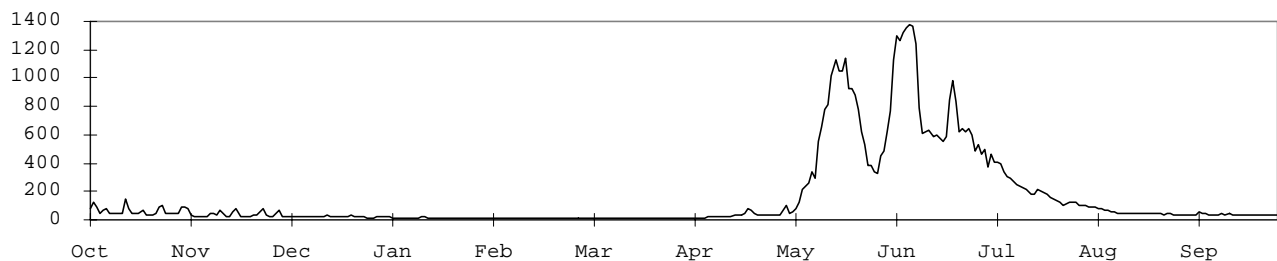
**RATING TABLE.**--LAKATLCO19 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	34	27	17	11	8.6	12	71	490	459	104	35
2	123	27	27	10	10	9.2	12	99	624	499	96	34
3	91	24	26	9.3	9.0	9.6	12	47	772	375	90	32
4	47	22	25	13	9.6	10	13	58	1130	468	91	31
5	73	23	26	12	11	11	12	74	1300	408	94	35
6	74	24	24	10	11	11	14	129	1260	407	84	54
7	47	50	22	12	12	10	16	219	1320	400	76	50
8	45	41	20	14	12	11	18	239	1350	340	70	41
9	43	29	25	14	12	12	20	258	1380	300	68	37
10	43	73	26	16	13	12	22	337	1370	296	57	33
11	50	45	25	27	13	12	24	293	1240	276	53	33
12	144	25	26	25	12	12	25	553	786	243	49	33
13	77	26	33	16	11	12	26	652	615	239	47	41
14	44	51	25	10	12	12	27	777	625	223	46	39
15	44	80	24	9.5	12	12	28	817	628	211	44	41
16	40	25	23	10	12	11	30	1020	586	178	45	38
17	63	26	23	11	12	12	30	1130	597	185	44	35
18	39	27	20	12	12	11	31	1050	576	215	44	35
19	37	28	28	12	12	10	44	1050	551	207	48	36
20	39	29	29	11	12	10	82	1140	590	187	46	38
21	44	30	28	10	11	10	72	931	842	176	44	35
22	91	61	27	10	10	11	43	921	986	159	48	36
23	104	78	26	10	9.6	11	31	878	834	149	45	34
24	41	29	26	11	9.0	11	33	775	619	137	44	39
25	41	28	13	11	9.5	11	36	621	646	129	40	34
26	41	26	14	12	9.0	10	35	526	626	102	39	33
27	40	43	14	11	8.5	10	38	387	646	118	46	30
28	44	65	19	10	8.4	10	34	387	599	126	42	34
29	92	27	23	10	8.3	11	31	336	490	125	39	37
30	87	26	21	10	---	12	31	327	526	119	38	35
31	77	---	27	11	---	12	---	447	---	105	36	---
TOTAL	1949	1122	742	386.8	313.9	337.4	882	16549	24604	7561	1757	1098
MEAN	62.9	37.4	23.9	12.5	10.8	10.9	29.4	534	820	244	56.7	36.6
AC-FT	3870	2230	1470	767	623	669	1750	32820	48800	15000	3490	2180
MAX	144	80	33	27	13	12	82	1140	1380	499	104	54
MIN	37	22	13	9.3	8.3	8.6	12	47	490	102	36	30
CAL YR 1995 TOTAL		85723.2	MEAN	235	MAX	2310	MIN	7.4	AC-FT	170000		
WTR YR 1996 TOTAL		57302.1	MEAN	157	MAX	1380	MIN	8.3	AC-FT	113700		

MAX DISCH 1610 CFS AT 2245 09-JUN-1996 GH 4.24 FT. SHIFT -0.03 FT. MAX GH 4.24 FT. AT 2245 09-JUN-1996

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



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO

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

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

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

**RATING TABLE.**--LAKBTLCO07 USED FROM 01-OCT-1995 TO 30-SEP-1996

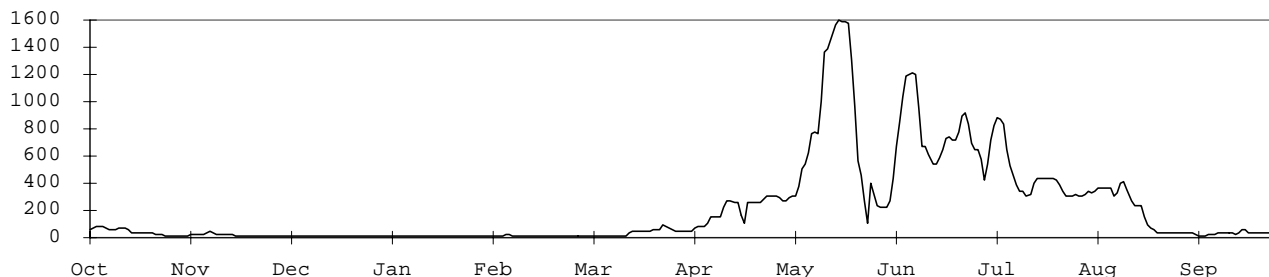
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	21	12	12	12	12	47	275	224	582	306	34
2	74	21	12	12	12	12	47	274	226	421	321	34
3	86	21	12	12	12	12	47	291	265	546	336	35
4	86	21	12	12	12	12	68	304	430	718	335	30
5	86	21	12	12	12	12	77	304	673	828	339	22
6	73	35	12	12	22	12	77	375	844	878	370	17
7	61	49	12	12	23	12	78	504	1040	875	370	17
8	61	37	12	12	11	11	102	540	1190	830	368	17
9	60	24	12	12	11	11	152	618	1200	649	367	18
10	68	19	12	12	11	10	152	763	1210	528	360	18
11	76	19	12	12	12	10	153	771	1200	458	308	23
12	76	19	12	12	11	11	153	763	958	393	335	32
13	57	26	12	12	11	11	226	999	670	344	396	32
14	40	21	12	12	11	12	265	1360	672	345	408	32
15	40	12	12	12	11	37	265	1390	611	310	354	32
16	40	12	12	12	11	49	264	1460	547	322	268	32
17	40	12	12	12	11	49	264	1560	536	405	231	28
18	40	12	12	12	12	49	159	1600	589	434	230	32
19	40	12	12	12	12	46	107	1590	645	434	231	60
20	37	12	12	12	12	46	261	1590	726	436	155	60
21	28	12	12	12	13	46	260	1580	739	433	89	41
22	28	12	12	12	13	59	260	1300	715	431	76	41
23	19	12	12	12	13	64	260	967	717	431	56	41
24	15	12	12	12	13	64	259	560	775	429	40	41
25	15	12	12	12	13	89	282	460	893	389	40	41
26	13	12	12	12	12	77	310	274	921	338	40	41
27	13	12	12	12	12	68	308	109	834	311	40	41
28	13	12	12	12	12	60	307	402	699	311	39	41
29	13	12	12	12	12	47	307	313	647	310	40	41
30	13	12	12	12	---	47	294	238	644	312	36	41
31	17	---	12	12	---	47	---	222	---	308	34	---
TOTAL	1392	546	372	372	365	1104	5811	23756	22040	14739	6918	1015
MEAN	44.9	18.2	12.0	12.0	12.6	35.6	194	766	735	475	223	33.8
AC-FT	2760	1080	738	738	724	2190	11530	47120	43720	29230	13720	2010
MAX	86	49	12	12	23	89	310	1600	1210	878	408	60
MIN	13	12	12	12	11	10	47	109	224	308	34	17

CAL YR 1995 TOTAL 110109 MEAN 302 MAX 1380 MIN 12 AC-FT 218400  
WTR YR 1996 TOTAL 78430 MEAN 214 MAX 1600 MIN 10 AC-FT 155600

MAX DISCH 1630 CFS AT 1815 20-MAY-1996 GH 5.30 FT. SHIFT 0.00 FT. MAX GH 5.30 FT. AT 1815 20-MAY-1996

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



## ARKANSAS RIVER BASIN

07086000 ARKANSAS RIVER AT GRANITE, CO

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

**DRAINAGE AREA.**--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 datum's. Apr. 6, 1910, to Oct. 25, 1917, water-stage recorder or non-recording gage at site 832 ft upstream, at different datum. Oct. 26, 1917, to Oct. 26, 1960, water-stage recorder at site 168 ft downstream, at present datum.

**REMARKS.**--Record complete and reliable except for the following periods: Oct.25-27, 1995 and July 17, 1996 when clock for strip chart stopped and DCP data was incomplete. Dec. 25-30, 1995; Jan. 1-Mar. 14; Mar. 19-22, 1996 when stage-discharge relationship was affected by ice. Record good, except that for periods of no gage-height record or ice effect, which is poor. Station maintained and record developed by L.R. Schultz.

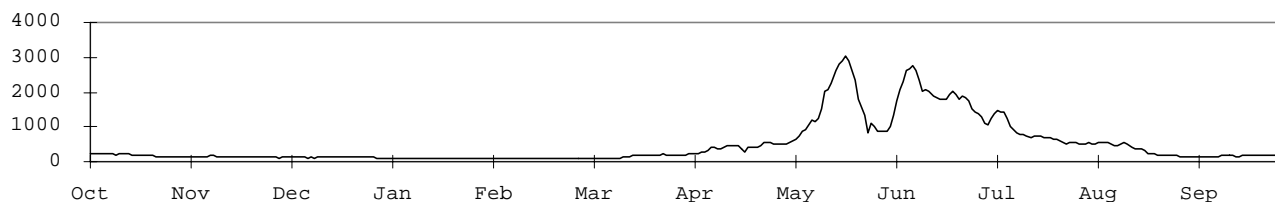
**RATING TABLE.**--ARKGRNC011 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	221	156	129	100	104	88	194	495	876	1280	505	145
2	218	148	121	98	94	92	212	510	894	1090	515	140
3	228	129	119	90	90	93	219	548	1020	1060	534	140
4	235	134	121	98	94	98	230	587	1350	1230	525	134
5	238	137	129	94	96	100	243	629	1770	1370	520	124
6	224	148	129	90	107	96	253	729	2090	1470	535	138
7	214	182	114	92	108	92	264	872	2310	1440	540	141
8	207	164	126	93	94	94	322	936	2600	1430	540	131
9	204	156	114	97	99	98	394	1040	2660	1250	535	127
10	207	145	116	100	104	100	392	1180	2740	1010	519	125
11	214	132	119	95	107	110	390	1170	2630	920	460	134
12	218	148	124	93	103	113	374	1230	2360	845	475	150
13	221	148	124	96	100	115	428	1530	2020	783	525	167
14	179	156	119	99	103	120	445	2010	2050	767	535	165
15	176	134	126	104	108	128	440	2090	2020	721	490	174
16	173	134	132	110	110	164	453	2260	1890	705	415	167
17	170	142	124	110	108	170	459	2630	1840	735	360	151
18	170	126	124	108	104	167	360	2810	1810	742	357	156
19	170	126	134	107	110	162	264	2890	1800	735	361	187
20	164	126	139	100	104	167	417	3040	1810	712	304	197
21	153	126	134	100	103	167	411	2910	1950	694	233	164
22	153	126	139	102	103	185	406	2620	2020	672	218	162
23	142	124	142	104	103	191	414	2350	1910	656	209	175
24	134	116	137	105	100	188	458	1780	1800	646	184	173
25	132	124	126	106	105	207	540	1560	1890	612	180	172
26	130	126	124	105	103	204	550	1350	1840	545	178	173
27	137	119	120	102	95	188	548	815	1750	525	178	178
28	145	114	114	100	90	191	522	1110	1520	531	174	177
29	145	134	110	101	84	176	501	991	1420	550	169	172
30	148	126	106	102	---	176	499	896	1360	540	161	166
31	148	---	102	106	---	182	---	865	---	511	153	---
TOTAL	5618	4106	3837	3107	2933	4422	11602	46433	56000	26777	11587	4705
MEAN	181	137	124	100	101	143	387	1498	1867	864	374	157
AC-FT	11140	8140	7610	6160	5820	8770	23010	92100	111100	53110	22980	9330
MAX	238	182	142	110	110	207	550	3040	2740	1470	540	197
MIN	130	114	102	90	84	88	194	495	876	511	153	124
CAL YR 1995 TOTAL		218419	MEAN	598	MAX	3040	MIN	102	AC-FT	433200		
WTR YR 1996 TOTAL		181127	MEAN	495	MAX	3040	MIN	84	AC-FT	359300		

MAX DISCH 3107 CFS AT 1745 20-MAY-1996 GH 6.01 FT. SHIFT 0.00 FT. MAX GH 6.01 FT. AT 1745 20-MAY-1996

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



## ARKANSAS RIVER BASIN

07086500 CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO

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

**DRAINAGE AREA.**--67.1 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. 28, 1995-Mar. 15, 1996 when the station was closed for the winter. Oct. 23-24; Nov. 18-21, 24-25, 27, 1995; Mar. 18-21, 24-27; Apr. 14-15, 19-21, 29, 1996 when stage-discharge relationship was affected by ice. Record good, except that for periods of no gage-height record and ice effect, which is poor. Station maintained and record developed by L.R. Schultz.

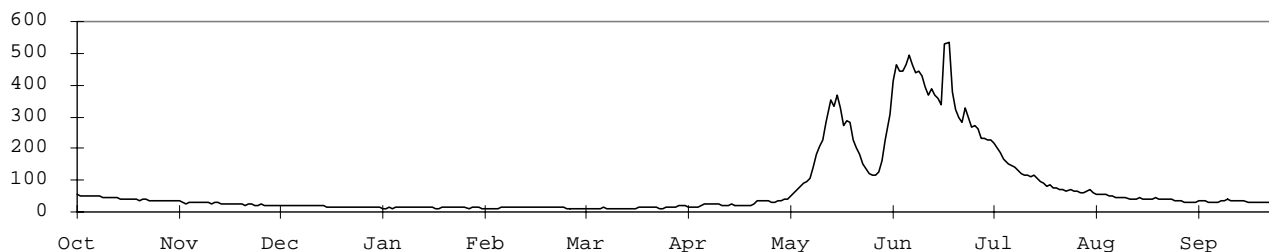
**RATING TABLE.**--CCACCRC014 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	33	22	13	12	11	18	34	124	264	59	34
2	52	30	22	12	12	12	18	35	162	234	58	32
3	51	27	21	12	11	12	18	40	225	230	65	31
4	52	28	20	13	11	12	16	40	309	229	70	30
5	51	29	19	12	12	12	15	50	412	226	61	30
6	48	30	20	13	12	12	16	61	462	218	55	33
7	49	30	20	13	14	12	17	71	444	200	54	36
8	48	29	18	13	14	12	21	81	446	189	55	33
9	46	28	19	14	14	13	25	92	462	168	54	31
10	45	28	18	14	13	12	25	94	496	153	50	29
11	45	27	19	14	13	12	26	108	463	147	48	28
12	44	29	20	14	13	12	23	140	440	141	45	29
13	45	28	20	15	13	12	23	181	442	130	44	33
14	42	27	19	15	13	12	21	208	428	122	44	36
15	42	26	18	15	14	12	20	227	395	115	43	38
16	41	25	17	14	14	12	22	281	366	115	42	35
17	40	26	17	13	14	12	23	355	390	111	41	33
18	40	25	16	12	14	12	22	333	367	115	40	33
19	39	24	15	12	14	12	20	367	359	107	43	34
20	37	23	15	13	14	13	21	328	340	96	41	33
21	38	22	14	13	14	14	20	270	527	92	39	31
22	38	25	14	13	14	14	19	288	536	82	39	30
23	36	24	13	14	14	15	20	284	379	88	40	32
24	34	22	14	14	13	14	24	225	324	77	43	31
25	34	20	14	14	13	13	33	200	297	74	41	30
26	34	24	14	13	13	11	34	184	284	71	39	30
27	34	22	15	13	12	12	37	152	327	69	42	31
28	33	20	15	12	11	13	34	134	295	66	42	30
29	33	20	16	13	10	15	30	119	266	72	39	30
30	33	21	15	14	---	16	31	116	274	67	36	29
31	33	---	14	13	---	17	---	118	---	64	35	---
TOTAL	1291	772	533	412	375	395	692	5216	11041	4132	1447	955
MEAN	41.6	25.7	17.2	13.3	12.9	12.7	23.1	168	368	133	46.7	31.8
AC-FT	2560	1530	1060	817	744	783	1370	10350	21900	8200	2870	1890
MAX	54	33	22	15	14	17	37	367	536	264	70	38
MIN	33	20	13	12	10	11	15	34	124	64	35	28
CAL YR 1995 TOTAL		46504	MEAN	127	MAX	1030	MIN	10	AC-FT	92240		
WTR YR 1996 TOTAL		27261	MEAN	74.5	MAX	536	MIN	10	AC-FT	54070		

MAX DISCH 617 CFS AT 0215 22-JUN-1996 GH 4.72 FT. SHIFT -0.03 FT. MAX GH 4.74 FT. AT 0015 06-JUN-1996

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





ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO

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

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

**GAGE.**--Graphic water stage recorder with satellite telemetry in a 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, except for the following periods: Jan. 5-Feb. 16, 1996, when the chart ran out. July 30-Aug.1, 1996, when clock stopped. Record good, except those for periods when chart ran out or clock stopped, which is poor. Station maintained and record developed by Div. II Staff.

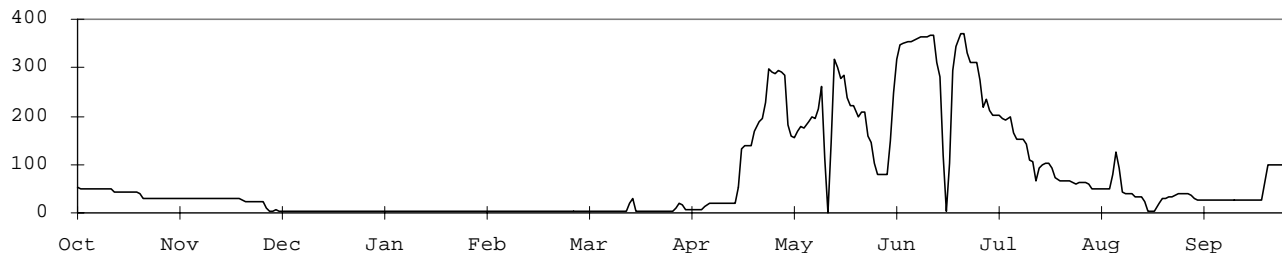
**RATING TABLE.**--CCBCCRCO04 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	31	2.1	1.8	1.8	1.8	15	291	78	217	62	39
2	51	31	2.1	1.8	1.8	1.8	5.8	283	79	235	59	35
3	51	31	2.1	1.8	1.8	1.8	5.4	181	149	211	51	30
4	51	31	2.1	1.8	1.8	1.8	6.6	158	247	202	48	25
5	51	31	2.1	1.8	1.8	2.0	6.6	157	317	203	48	25
6	51	31	2.1	1.8	1.8	2.0	6.6	169	348	203	48	25
7	51	31	2.1	1.8	1.8	2.0	6.6	178	350	196	48	25
8	51	30	2.1	1.8	1.8	2.0	13	175	353	191	48	25
9	51	30	2.1	1.8	1.8	2.0	20	189	355	200	80	25
10	51	30	2.1	1.8	1.8	2.0	20	200	358	166	124	25
11	48	30	2.1	1.8	1.8	2.0	20	196	360	152	91	25
12	44	30	2.1	1.8	1.8	2.1	20	215	362	152	44	25
13	44	30	2.0	1.8	1.8	2.0	20	262	365	152	40	25
14	44	30	2.0	1.8	1.8	2.0	20	114	365	141	40	25
15	44	30	2.0	1.8	1.8	2.6	20	1.2	368	110	39	25
16	44	30	2.0	1.8	1.8	19	20	147	368	106	34	26
17	44	30	2.0	1.8	1.8	29	20	318	310	66	34	27
18	44	30	2.0	1.8	1.8	2.1	52	300	281	92	34	26
19	44	30	2.0	1.8	1.8	1.9	133	278	120	98	22	26
20	40	26	2.0	1.8	1.8	1.8	138	283	1.8	102	2.2	26
21	31	23	2.0	1.8	1.8	2.0	138	239	102	102	2.1	26
22	31	23	2.0	1.8	1.8	2.0	138	223	294	92	2.0	26
23	31	23	2.0	1.8	1.8	1.8	169	223	343	72	20	25
24	31	23	1.9	1.8	1.8	1.8	189	200	370	66	31	64
25	30	23	1.8	1.8	1.8	1.8	196	207	370	66	31	100
26	30	23	1.8	1.8	1.8	1.8	227	207	331	66	32	100
27	30	10	1.8	1.8	1.8	1.8	296	160	312	66	32	100
28	30	2.3	1.8	1.8	1.8	1.8	291	147	312	62	36	100
29	30	2.4	1.8	1.8	1.8	1.8	287	101	310	59	39	98
30	30	5.9	1.8	1.8	---	9.5	294	78	276	63	39	98
31	30	---	1.8	1.8	---	20	---	78	---	62	39	---
TOTAL	1285	761.6	61.7	55.8	52.2	129.8	2793.6	5958.2	8554.8	3971	1299.3	1272
MEAN	41.5	25.4	1.99	1.80	1.80	4.19	93.1	192	285	128	41.9	42.4
AC-FT	2550	1510	122	111	104	257	5540	11820	16970	7880	2580	2520
MAX	52	31	2.1	1.8	1.8	29	296	318	370	235	124	100
MIN	30	2.3	1.8	1.8	1.8	1.8	5.4	1.2	1.8	59	2.0	25
CAL YR 1995 TOTAL	32834.33	MEAN	90.0	MAX	360	MIN	0.60	AC-FT	65130			
WTR YR 1996 TOTAL	26195.0	MEAN	71.6	MAX	370	MIN	1.2	AC-FT	51960			

MAX DISCH 373 CFS AT 0900 23-JUN-1996 GH 3.18 FT. SHIFT -0.03 FT. MAX GH 3.18 FT. AT 0900 23-JUN-1996

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



ARKANSAS RIVER BASIN

07115000 COTTONWOOD CREEK AT BUENA VISTA, CO

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

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

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

**REMARKS.**--Record is complete and reliable except for the following periods: November 30 - December 4, 1995, when intakes were plugged. January 3 - 7, 18 - 29; February 2 - 5, 28, 29; and March 1, 7, 26, 1996, when stage-discharge relationship was affected by ice. January 10, 11, 1996, when sand bags blocked flow to well. January 30, 31; and February 1, 6, 1996, when well water was frozen. Records good, except those for periods of ice effect, intake problems, and construction, which are poor. Station maintained and record developed by Div. II personnel.

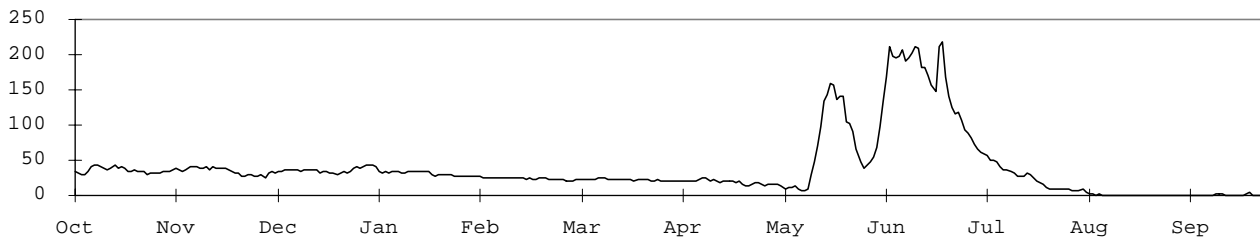
**RATING TABLE.**--COCRBVCO04 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	38	32	42	28	21	20	15	55	82	6.8	0.50
2	32	37	33	35	27	22	21	15	69	73	5.7	0.50
3	30	34	35	32	26	22	21	16	98	66	6.8	0.51
4	30	36	36	34	26	22	21	13	135	62	9.0	0.50
5	34	40	37	32	25	22	20	8.1	169	60	4.1	0.50
6	41	42	36	33	25	23	20	12	211	56	2.6	0.50
7	43	40	37	34	26	22	20	12	198	51	1.8	0.53
8	43	38	36	33	26	23	20	14	196	49	0.78	0.50
9	42	39	35	31	25	24	23	8.8	197	47	1.7	0.52
10	38	40	36	32	25	24	24	5.7	207	42	1.0	0.53
11	37	37	36	33	24	24	24	6.4	191	37	0.55	0.61
12	39	40	36	34	24	23	21	9.0	196	36	0.55	0.67
13	43	39	36	34	24	23	22	29	203	34	0.60	0.95
14	39	38	36	33	24	23	20	48	211	31	0.55	1.4
15	40	39	31	33	24	22	19	70	209	28	0.55	3.3
16	38	38	34	33	23	22	20	97	181	28	0.55	1.9
17	35	37	34	34	24	22	21	135	181	27	0.56	0.65
18	35	34	32	29	23	22	21	144	171	31	0.60	0.65
19	37	32	31	28	23	22	20	160	156	30	0.60	0.66
20	35	31	30	29	24	21	19	156	147	24	0.60	0.62
21	34	28	31	30	26	22	20	137	212	20	0.57	0.57
22	34	28	33	30	25	23	17	142	218	19	0.52	0.60
23	29	29	31	29	22	23	13	140	168	16	0.50	1.4
24	31	29	34	29	23	22	13	104	140	11	0.50	3.5
25	31	27	39	28	23	21	17	102	126	9.2	0.50	0.72
26	32	28	40	28	22	20	18	92	117	8.9	0.50	0.60
27	32	30	39	27	22	22	18	65	118	8.2	0.50	0.53
28	33	26	41	27	21	21	16	48	106	8.0	0.50	0.53
29	34	32	43	28	21	21	14	39	94	9.8	0.52	0.64
30	34	33	43	27	---	20	15	43	89	10	0.50	0.60
31	36	---	44	27	---	20	---	48	---	8.0	0.50	---
TOTAL	1104	1039	1107	968	701	684	578	1934.0	4769	1022.1	51.62	26.19
MEAN	35.6	34.6	35.7	31.2	24.2	22.1	19.3	62.4	159	33.0	1.67	0.87
AC-FT	2190	2060	2200	1920	1390	1360	1150	3840	9460	2030	102	52
MAX	43	42	44	42	28	24	24	160	218	82	9.0	3.5
MIN	29	26	30	27	21	20	13	5.7	55	8.0	0.50	0.50
CAL YR 1995 TOTAL	28498.84		MEAN	78.1	MAX	527	MIN	0.40	AC-FT	56530		
WTR YR 1996 TOTAL	13983.91		MEAN	38.2	MAX	218	MIN	0.50	AC-FT	27740		

MAX DISCH 266 CFS AT 0245 06-JUN-1996 GH 3.75 FT. SHIFT -0.03 FT. MAX GH 3.75 FT. AT 0245 06-JUN-1996

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



ARKANSAS RIVER BASIN

07091000 CHALK CREEK AT NATHROP, CO

**LOCATION.**--Lat 38°44'30", long 106°04'57", in SW¼SE¼NE¼SW¼ sec. 14, T.15 S., R.78 W., Chaffee County, on left bank, 640' north of the Junction of Co. Hwy. 162 and 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 low concrete dam control. Elevation of gage 7660' from topographic map.

**REMARKS.**--Record is complete and reliable except for the following periods: Dec. 23-25, 1995; Jan. 2, 21, 24, 26-27; Feb. 2-4, 18, 1996, when ice affected stage readings. Record good, except that for periods of ice effect, which is poor. Station maintained and record developed by Div. II Staff.

**RATING TABLE.**--CHCRNACO6 USED FROM 01-OCT-1995 TO 30-SEP-1996

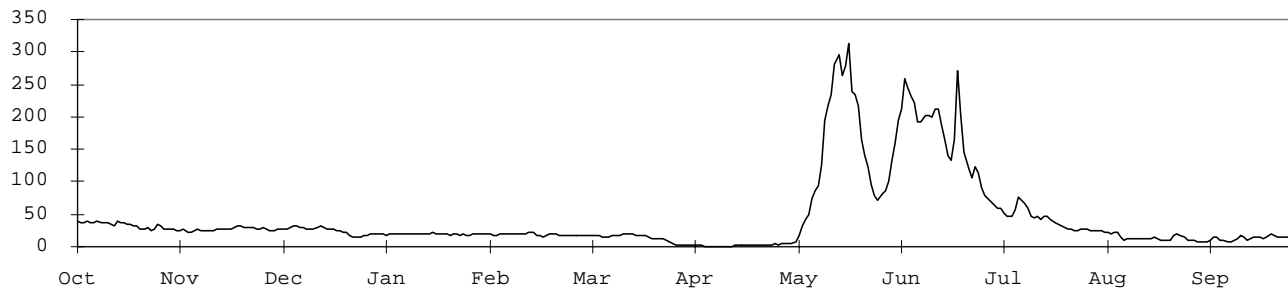
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	25	28	20	20	17	3.0	4.7	101	74	25	8.7
2	37	26	28	18	19	17	2.5	4.4	132	70	24	8.1
3	37	23	28	20	18	18	2.2	5.1	160	65	25	7.8
4	39	23	29	20	18	18	2.3	8.6	194	59	25	7.0
5	38	25	31	20	20	18	2.4	18	212	58	23	6.4
6	36	26	31	20	20	18	2.2	31	258	51	22	9.5
7	39	25	30	20	20	16	1.0	42	244	47	19	15
8	37	24	29	20	20	16	1.0	50	231	48	21	14
9	37	24	27	20	20	16	1.0	73	222	57	21	9.7
10	36	25	26	20	20	17	1.0	86	193	76	16	8.8
11	34	24	27	20	20	17	1.0	93	193	71	11	7.8
12	33	28	29	19	20	17	1.0	125	202	67	13	7.4
13	39	27	31	20	20	20	1.1	194	203	58	13	11
14	37	26	29	20	21	19	1.0	216	199	48	12	12
15	37	26	27	20	21	19	1.0	234	211	45	13	17
16	35	28	26	21	18	19	1.3	282	213	46	13	14
17	34	30	26	20	18	18	2.2	296	188	42	12	11
18	32	31	25	19	16	18	2.6	263	164	46	12	12
19	31	31	25	19	18	18	2.4	278	141	48	13	14
20	27	30	23	19	19	17	2.6	314	132	42	14	15
21	28	30	21	18	19	14	2.6	238	166	38	12	14
22	29	30	17	20	19	12	3.0	233	272	35	11	13
23	24	29	15	20	18	13	2.7	217	202	33	9.8	15
24	28	28	16	18	18	12	2.5	165	145	29	9.5	20
25	35	28	16	20	18	12	2.6	140	120	27	9.3	18
26	32	29	18	18	18	11	2.8	124	106	26	18	16
27	27	28	17	18	18	6.9	3.6	95	124	25	19	15
28	27	25	19	20	17	5.0	3.7	79	114	25	18	14
29	27	24	19	20	17	1.9	3.3	72	91	27	16	14
30	26	26	19	20	---	2.3	5.6	82	80	27	11	14
31	24	---	20	20	---	2.8	---	86	---	26	9.8	---
TOTAL	1022	804	752	607	548	445.9	67.2	4148.8	5213	1436	490.4	369.2
MEAN	33.0	26.8	24.3	19.6	18.9	14.4	2.24	134	174	46.3	15.8	12.3
AC-FT	2030	1590	1490	1200	1090	884	133	8230	10340	2850	973	732
MAX	40	31	31	21	21	20	5.6	314	272	76	25	20
MIN	24	23	15	18	16	1.9	1.0	4.4	80	25	9.3	6.4

CAL YR 1995 TOTAL 34218.8 MEAN 93.8 MAX 813 MIN 1.6 AC-FT 67870  
WTR YR 1996 TOTAL 15903.5 MEAN 43.5 MAX 314 MIN 1.0 AC-FT 31540

MAX DISCH 401 CFS AT 0245 20-MAY-1996 GH 4.98 FT. SHIFT -0.14 FT. MAX GH 4.98 FT. AT 0245 20-MAY-1996

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



## ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO

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

**DRAINAGE AREA.**--1,218 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 is complete and reliable except for the following periods: Jan. 9, 1996 when the stage-discharge relationship was affected by ice; July 15-25, 1996 when the float hung up in shelter. Dec. 22-30, 1995; Jan. 15-17, 18-19, 21, 1996 when the well became isolated. Record good, except for periods of missing or ice affected record, which is poor. Station maintained and record developed by L.R. Schultz.

**RATING TABLE.**--ARKSALCO26 USED FROM 01-OCT-1995 TO 30-SEP-1996

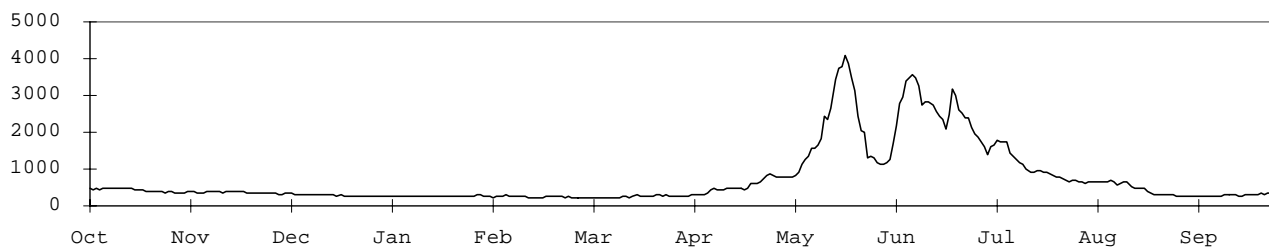
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	471	380	335	267	250	230	278	787	1140	1750	634	264
2	456	391	327	258	238	234	282	800	1160	1610	618	255
3	459	359	322	260	248	232	293	795	1280	1390	641	249
4	452	355	316	271	253	233	302	769	1680	1590	656	260
5	467	364	324	273	280	232	318	810	2190	1650	634	261
6	467	380	322	262	283	235	314	909	2780	1800	637	267
7	467	400	314	263	266	233	320	1140	2960	1760	640	279
8	467	405	312	270	256	236	336	1250	3410	1720	644	272
9	467	388	299	275	247	236	438	1340	3490	1730	650	264
10	459	398	298	271	247	238	465	1570	3550	1430	698	253
11	462	358	309	263	245	238	454	1580	3460	1330	665	252
12	469	382	309	259	241	238	441	1640	3270	1240	576	261
13	490	379	314	261	239	240	429	1820	2750	1160	604	274
14	467	390	312	259	239	240	482	2440	2810	1110	642	286
15	442	379	290	255	237	236	463	2360	2830	990	633	302
16	437	370	282	259	234	279	462	2660	2720	910	543	298
17	429	372	288	266	234	309	472	3440	2580	900	491	283
18	411	364	279	245	240	279	473	3760	2420	940	470	274
19	404	359	273	243	240	259	414	3780	2360	970	468	282
20	405	360	268	254	240	259	493	4090	2080	930	463	311
21	401	348	257	241	244	262	587	3850	2470	900	373	295
22	389	348	252	254	249	266	587	3500	3160	865	336	283
23	371	348	245	252	241	286	598	3120	3020	830	311	285
24	359	344	245	250	238	285	652	2420	2590	790	306	302
25	373	340	245	257	240	278	737	2030	2530	770	290	332
26	371	340	245	244	237	301	811	2000	2400	746	285	325
27	366	342	246	251	237	280	878	1320	2380	682	292	334
28	361	306	247	285	233	280	834	1330	2130	664	292	342
29	365	308	247	284	232	271	783	1320	1960	699	292	343
30	366	328	250	262	---	261	795	1160	1870	715	281	344
31	375	---	264	252	---	276	---	1120	---	654	270	---
TOTAL	13145	10885	8836	8066	7108	7962	15191	60910	75430	35225	15335	8632
MEAN	424	363	285	260	245	257	506	1965	2514	1136	495	288
AC-FT	26070	21590	17530	16000	14100	15790	30130	120800	149600	69870	30420	17120
MAX	490	405	335	285	283	309	878	4090	3550	1800	698	344
MIN	359	306	245	241	232	230	278	769	1140	654	270	249

CAL YR 1995 TOTAL 363519 MEAN 996 MAX 4950 MIN 245 AC-FT 721000  
WTR YR 1996 TOTAL 266725 MEAN 729 MAX 4090 MIN 230 AC-FT 529000

MAX DISCH 4177 CFS AT 0845 20-MAY-1996 GH 4.18 FT. SHIFT 0.11 FT. MAX GH 4.18 FT. AT 0845 20-MAY-1996

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



ARKANSAS RIVER BASIN

07093700 ARKANSAS RIVER NEAR WELLSVILLE, CO

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

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

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

**REMARKS.**--Record is complete and reliable except for the following periods: Dec. 22-28, 1995 and Feb. 2-3, 1996 when manometer malfunctioned. Record good, except that for periods of manometer malfunction, which is poor. Station maintained and record developed by L.R. Schultz.

**RATING TABLE.**--ARKWELCO06 USED FROM 01-OCT-1995 TO 30-SEP-1996

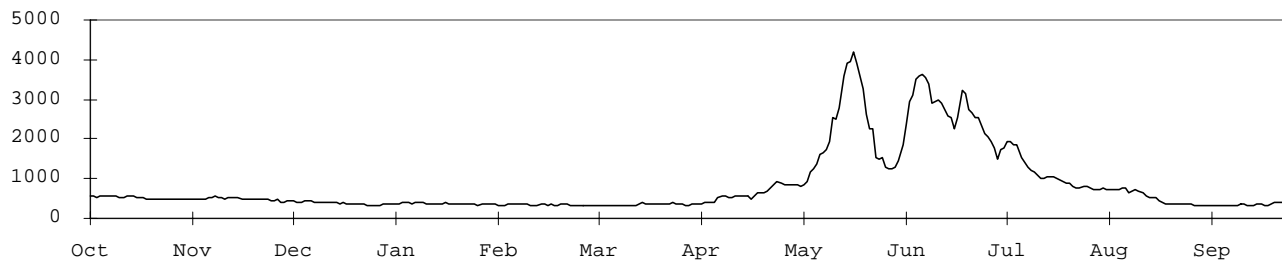
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	567	487	449	380	364	322	349	828	1250	1930	732	334
2	548	491	440	360	310	319	353	829	1280	1760	721	330
3	542	488	422	359	320	319	365	827	1440	1510	736	325
4	553	483	423	389	328	320	376	808	1860	1730	750	316
5	559	496	431	393	364	320	392	850	2360	1780	722	307
6	561	511	435	390	368	326	394	934	2940	1950	711	307
7	557	529	426	372	370	323	395	1150	3120	1920	716	324
8	562	547	408	389	369	318	409	1270	3500	1850	722	322
9	551	531	400	393	356	325	518	1370	3580	1860	734	310
10	540	538	390	387	356	329	560	1620	3630	1540	778	305
11	540	501	407	376	349	329	551	1640	3530	1410	749	303
12	548	519	403	368	333	322	533	1730	3390	1300	657	312
13	575	521	412	375	333	316	521	1940	2910	1200	669	326
14	550	523	420	377	339	315	576	2530	2930	1150	707	337
15	521	524	388	370	351	309	560	2520	2990	1090	703	355
16	519	499	374	374	343	363	558	2800	2910	1020	626	355
17	517	494	386	384	339	411	566	3600	2740	991	567	335
18	504	491	383	358	343	382	570	3920	2590	1050	541	322
19	496	482	361	346	342	346	500	3940	2530	1060	537	333
20	503	488	357	367	340	344	563	4200	2260	1030	537	363
21	503	478	348	349	358	353	662	3920	2550	995	442	351
22	486	473	353	370	360	358	653	3600	3240	966	397	333
23	485	470	343	359	351	377	649	3280	3140	932	376	333
24	469	468	337	349	329	378	698	2630	2740	896	370	353
25	481	462	330	369	339	378	774	2260	2680	877	352	386
26	484	461	333	349	341	386	846	2240	2550	826	355	395
27	480	466	338	320	339	365	917	1540	2540	773	363	400
28	478	415	342	363	317	355	893	1510	2320	757	376	410
29	482	411	347	363	319	344	843	1530	2150	795	374	408
30	482	440	356	358	---	328	840	1310	2050	816	359	405
31	482	---	369	364	---	341	---	1250	---	758	344	---
TOTAL	16125	14687	11911	11420	9970	10621	17384	64376	79700	38522	17723	10295
MEAN	520	490	384	368	344	343	579	2077	2657	1243	572	343
AC-FT	31980	29130	23630	22650	19780	21070	34480	127700	158100	76410	35150	20420
MAX	575	547	449	393	370	411	917	4200	3630	1950	778	410
MIN	469	411	330	320	310	309	349	808	1250	757	344	303

CAL YR 1995 TOTAL 411523 MEAN 1127 MAX 5520 MIN 330 AC-FT 816300  
WTR YR 1996 TOTAL 302734 MEAN 827 MAX 4200 MIN 303 AC-FT 600500

MAX DISCH 4402 CFS AT 1215 18-MAY-1996 GH 7.44 FT. SHIFT 0.00 FT. MAX GH 7.44 FT. AT 1215 18-MAY-1996

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



## ARKANSAS RIVER BASIN

07095000 GRAPE CREEK NEAR WESTCLIFFE, CO

**LOCATION.**--Lat 38°11'10", long 105°28'59", in NW¼NW¼ sec. 31, T.21 S., R.72 W., Custer County, Hydrologic Unit 110200001, on left bank 0.5 mi upstream from water line of De Weese Reservoir at elevation 7,665 ft, 0.5 mi downstream from Swift Creek, and 3.6 mi northwest of Westcliffe.

**DRAINAGE AREA.**--320 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in 48" corrugated pipe shelter. DCP data is the primary source of record. Elevation of gage is 7,690 ft, from topographic map. Prior to Mar, 17, 1939, at site 30 ft upstream at present datum.

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 28-30; Dec. 1-2, 9-11, 16-31, 1995; Jan. 1-Mar. 9, 1996 when stage-discharge relationship was affected by ice. Record good, except for periods of ice effect, which is poor. Station maintained and record developed by Div. II Staff.

**RATING TABLE.**--GRAWESCO08 USED FROM 01-OCT-1995 TO 30-SEP-1996

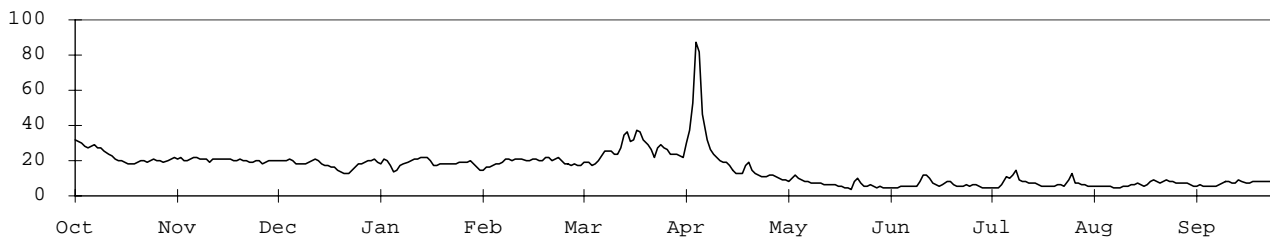
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	21	20	19	15	18	24	11	4.5	6.2	7.2	7.2
2	31	22	20	18	15	17	23	10	5.1	5.3	6.4	7.2
3	30	20	20	21	16	17	22	9.5	4.9	4.8	6.4	7.2
4	28	20	20	20	16	19	30	9.5	4.4	4.6	5.9	6.8
5	27	21	21	17	17	19	37	8.5	4.3	4.8	5.9	5.9
6	28	22	20	14	18	17	53	10	4.8	4.5	5.4	5.9
7	29	22	18	15	18	18	87	12	4.7	4.5	5.4	6.4
8	27	21	18	17	19	20	82	9.8	5.4	5.0	5.9	5.9
9	27	21	18	18	21	23	46	9.4	5.4	6.7	5.4	5.9
10	25	21	18	19	21	25	32	8.6	5.2	11	5.9	5.9
11	24	19	19	20	20	25	26	7.9	5.3	9.9	5.4	5.9
12	23	21	20	21	21	25	24	7.4	5.3	12	5.0	5.9
13	21	21	21	21	21	24	22	7.7	5.5	15	5.0	6.4
14	20	21	20	22	21	24	20	7.0	8.4	9.1	5.0	7.1
15	20	21	18	22	20	27	19	7.4	12	8.1	5.4	8.6
16	19	21	17	22	20	35	19	6.8	12	8.1	5.9	8.2
17	18	21	17	20	21	36	17	6.6	9.7	7.4	6.4	7.2
18	18	20	16	17	21	31	15	6.1	7.7	7.4	6.8	7.7
19	18	20	16	17	20	32	13	6.3	6.8	7.4	7.2	9.0
20	19	21	15	18	20	37	13	5.9	5.8	6.3	6.4	8.2
21	20	20	14	18	22	36	13	5.2	6.3	5.9	5.9	7.7
22	20	20	13	18	22	32	17	4.9	7.8	5.7	6.4	7.7
23	19	19	13	18	20	29	19	4.4	8.1	5.4	8.2	8.0
24	20	19	15	18	21	26	15	3.8	6.5	5.5	9.5	8.6
25	21	20	16	18	22	22	13	8.0	5.4	5.4	8.6	8.6
26	20	20	18	19	20	27	12	9.8	5.4	6.1	7.7	8.2
27	20	18	18	19	18	29	11	7.1	5.3	6.1	8.2	8.6
28	19	19	19	19	18	27	11	5.4	6.0	5.9	9.5	8.6
29	20	20	20	20	17	26	12	5.6	5.5	9.5	8.6	8.6
30	21	20	20	18	---	24	12	6.0	6.6	13	8.2	8.6
31	22	---	21	16	---	24	---	5.2	---	7.7	7.7	---
TOTAL	706	612	559	579	561	791	759	232.8	190.1	224.3	206.8	221.7
MEAN	22.8	20.4	18.0	18.7	19.3	25.5	25.3	7.51	6.34	7.24	6.67	7.39
AC-FT	1400	1210	1110	1150	1110	1570	1510	462	377	445	410	440
MAX	32	22	21	22	22	37	87	12	12	15	9.5	9.0
MIN	18	18	13	14	15	17	11	3.8	4.3	4.5	5.0	5.9

CAL YR 1995 TOTAL 29593 MEAN 81.1 MAX 771 MIN 12 AC-FT 58700  
WTR YR 1996 TOTAL 5642.7 MEAN 15.4 MAX 87 MIN 3.8 AC-FT 11190

MAX DISCH 147 CFS AT 2215 07-APR-1996 GH 1.71 FT. SHIFT +0.01 FT. MAX GH 1.84 FT. AT 1745 04-FEB-1996

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



ARKANSAS RIVER BASIN

07096000 ARKANSAS RIVER AT CANON CITY, CO

**LOCATION.**--Lat 38°26'02", long 105°15'24", in SE¼SE¼ sec. 31, T.18 S., R.70 W., Fremont County, Hydrologic Unit 11020002, on right bank 800 ft upstream from Sand Creek, 0.7 mi downstream from Grape Creek, and 0.7 mi upstream from First Street Bridge in Canon City.

**DRAINAGE AREA.**--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 period: Feb. 5-14, 1996, when floats could not move freely because of ice in well. Record good, except for period of ice in well, which was poor. Station maintained and record developed by Div. II personnel.

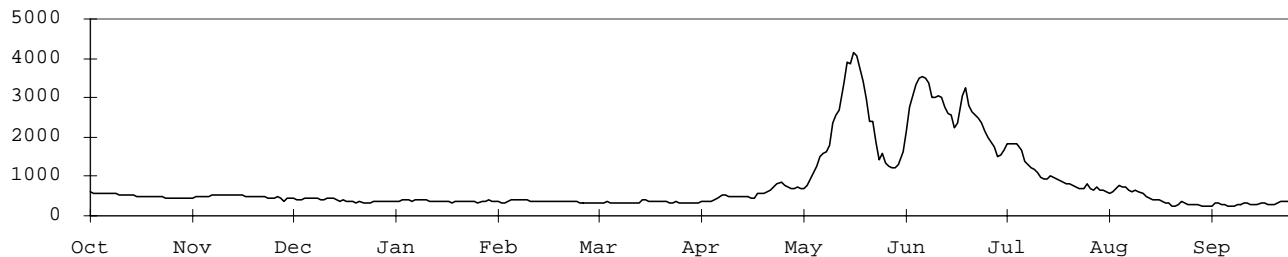
**RATING TABLE.**--ARKCANCO22 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	595	458	448	382	363	332	324	687	1230	1890	662	275
2	569	482	441	366	346	334	322	701	1220	1740	726	269
3	569	483	414	359	331	332	332	722	1300	1500	638	249
4	578	475	423	388	341	335	364	680	1610	1550	641	238
5	560	492	455	391	367	336	374	708	2140	1650	623	236
6	558	504	465	387	390	346	373	764	2780	1810	586	251
7	549	517	459	377	410	323	383	925	3040	1810	622	344
8	552	542	439	387	420	338	418	1100	3340	1810	688	319
9	550	542	436	395	410	332	429	1280	3490	1810	764	280
10	533	547	420	388	400	334	519	1490	3540	1660	746	267
11	516	526	422	399	390	336	520	1600	3500	1390	739	258
12	525	513	433	370	380	330	495	1640	3370	1300	662	254
13	531	538	447	372	360	321	470	1800	2990	1230	593	258
14	538	530	446	371	355	336	487	2370	3010	1160	638	280
15	507	541	415	366	357	333	501	2570	3030	1100	630	303
16	503	512	380	368	356	330	485	2670	3000	987	582	321
17	486	502	390	377	353	388	474	3360	2780	944	506	310
18	474	498	386	363	356	409	488	3890	2610	937	445	296
19	476	483	372	337	356	360	456	3880	2550	1000	416	296
20	479	484	363	369	355	354	427	4140	2250	976	413	300
21	490	484	342	362	362	358	556	4080	2360	922	394	320
22	473	477	360	366	372	362	585	3760	3050	894	348	319
23	474	471	339	369	366	361	577	3400	3250	868	338	299
24	461	461	332	353	351	355	591	2960	2820	828	325	289
25	427	452	336	372	347	345	645	2390	2630	816	253	303
26	435	464	346	361	352	339	736	2400	2560	780	226	329
27	429	471	350	318	340	360	795	1870	2500	724	298	351
28	435	442	352	365	330	339	869	1440	2350	680	360	355
29	431	384	349	377	329	339	785	1580	2140	686	323	357
30	451	432	354	402	---	328	729	1360	1990	794	304	352
31	458	---	367	376	---	315	---	1240	---	709	284	---
TOTAL	15612	14707	12281	11533	10545	10640	15509	63457	78430	36955	15773	8878
MEAN	504	490	396	372	364	343	517	2047	2614	1192	509	296
AC-FT	30970	29170	24360	22880	20920	21100	30760	125900	155600	73300	31290	17610
MAX	595	547	465	402	420	409	869	4140	3540	1890	764	357
MIN	427	384	332	318	329	315	322	680	1220	680	226	236
CAL YR 1995 TOTAL		472522	MEAN	1295	MAX	6580	MIN	332	AC-FT	937200		
WTR YR 1996 TOTAL		294320	MEAN	804	MAX	4140	MIN	226	AC-FT	583800		

MAX DISCH 4340 CFS AT 1930 14-JUN-1996 GH 9.52 FT. SHIFT 0.04 FT. MAX GH 9.52 FT. AT 1930 14-JUN-1996

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



ARKANSAS RIVER BASIN

07097000 ARKANSAS RIVER AT PORTLAND, CO

**LOCATION.**--Lat 38°23'18", long 105°00'56", in NE¼NE¼ sec. 20, T.19 S., R.68 W., Fremont County, Hydrologic Unit 11020002, on right bank at bridge on State Highway 120 at Portland and 1 mi downstream from Hardscrabble Creek.

**DRAINAGE AREA.**--4,024 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 good except for the following periods: Dec. 21, 24-29, 1995; Jan. 5-7, 19-20, 24, 26-27; Feb. 2-6, 1996 when stage was affected by ice. Aug. 30-31; Sep. 1, 2-4, 14-19, 1996 when floats were hung up. Station maintained and records developed by Div. II personnel.

**RATING TABLE.**--ARKPORCO03 USED FROM 01-OCT-1995 TO 30-SEP-1996

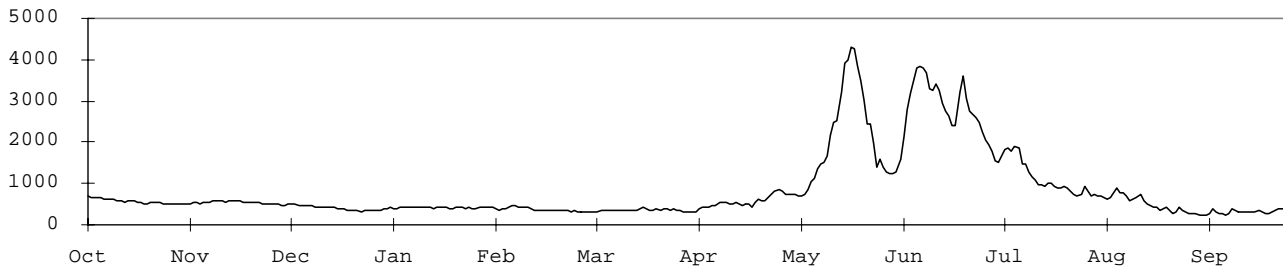
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	702	511	503	410	437	306	329	730	1230	1930	694	270
2	654	540	511	383	390	318	318	722	1230	1780	751	255
3	647	544	489	391	365	317	322	719	1290	1550	707	242
4	642	517	481	422	370	319	379	680	1570	1520	696	225
5	642	530	473	431	390	336	416	685	2120	1660	659	220
6	638	542	481	414	440	360	429	746	2810	1810	612	270
7	636	551	473	410	447	340	431	870	3160	1860	645	374
8	627	580	465	424	467	353	455	1040	3500	1800	766	294
9	620	585	440	426	437	346	454	1130	3780	1900	893	271
10	600	580	430	428	429	352	529	1360	3840	1850	757	256
11	570	575	439	418	422	349	553	1480	3800	1460	760	248
12	560	551	442	408	410	345	525	1500	3690	1460	685	254
13	567	568	441	409	385	335	496	1670	3290	1280	590	391
14	593	564	436	404	361	354	507	2160	3240	1170	615	330
15	577	573	419	409	341	355	535	2480	3420	1100	640	310
16	556	563	386	424	337	343	511	2530	3270	987	736	320
17	527	549	392	441	337	395	482	3230	2960	950	599	320
18	516	549	384	419	341	435	492	3920	2750	945	505	305
19	514	538	356	400	345	387	485	3990	2640	1010	449	310
20	534	536	341	380	337	364	442	4320	2410	998	437	312
21	551	540	330	411	345	368	535	4260	2390	948	420	351
22	545	531	349	408	365	369	608	3830	3230	897	368	322
23	541	516	329	407	361	362	590	3480	3610	885	398	279
24	520	509	340	400	341	376	590	3020	3060	916	439	283
25	502	502	350	408	326	370	643	2440	2770	891	338	304
26	519	502	360	375	333	350	743	2440	2690	797	268	359
27	521	514	360	390	326	386	797	1980	2600	748	291	389
28	517	500	360	424	317	346	844	1410	2480	690	422	393
29	513	447	355	427	294	349	817	1590	2240	722	357	389
30	507	477	385	425	---	327	743	1400	2040	917	310	365
31	500	---	386	422	---	308	---	1260	---	823	290	---
TOTAL	17658	16084	12686	12748	10796	10920	16000	63072	83110	38254	17097	9211
MEAN	570	536	409	411	372	352	533	2035	2770	1234	552	307
AC-FT	35020	31900	25160	25290	21410	21660	31740	125100	164800	75880	33910	18270
MAX	702	585	511	441	467	435	844	4320	3840	1930	893	393
MIN	500	447	329	375	294	306	318	680	1230	690	268	220

CAL YR 1995 TOTAL 506253 MEAN 1387 MAX 6830 MIN 329 AC-FT 1004000  
WTR YR 1996 TOTAL 307636 MEAN 841 MAX 4320 MIN 220 AC-FT 610200

MAX DISCH 4616 CFS AT 1700 20-MAY-1996 GH 6.64 FT. SHIFT 0.00 FT. MAX GH 6.64 FT. AT 1700 20-MAY-1996

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





ARKANSAS RIVER BASIN

07099400 ARKANSAS RIVER ABOVE PUEBLO, CO

**LOCATION.**--Lat 38°16'18", long 104°43'03", in SE¼NE¼ sec. 36, T.20 S., R.66 W., Pueblo County, Hydrologic Unit 11020002, on left bank of Arkansas River, 200' downstream from NE corner of Arkansas River bridge, approx. 0.4 mi. downstream from Pueblo Dam, and 7 mi. West of Pueblo.

**DRAINAGE AREA.**--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 except for the following periods: Apr. 1, 1996 when DCP transmissions were missed and clock stopped on strip chart. Sep. 1-4, 1996 when floats were on sand. Record good, except that for periods when floats were resting on mud and sand, and when transmissions failed, which is poor. Station maintained and records developed by Div. II personnel.

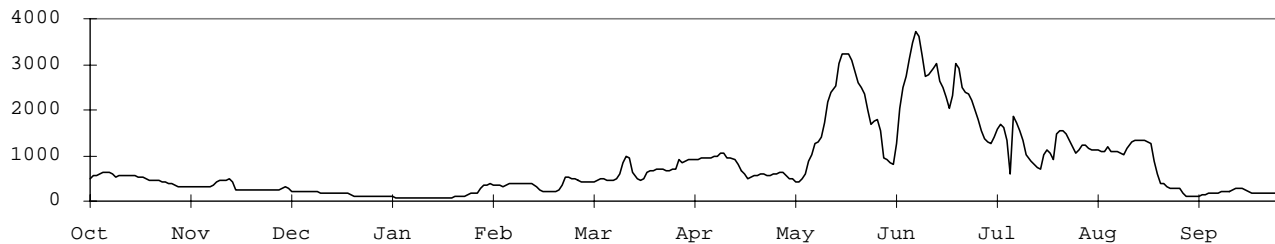
**RATING TABLE.**--ARKPUECO15 USED FROM 01-OCT-1995 TO 31-OCT-1995  
 ARKPUECO16 USED FROM 01-NOV-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	487	309	282	99	372	421	860	631	958	1550	1230	180
2	544	308	222	100	361	424	902	570	903	1360	1230	110
3	571	319	222	83	345	426	903	506	846	1300	1160	110
4	601	326	222	83	344	419	901	485	809	1270	1120	110
5	615	325	222	82	323	455	920	436	1260	1410	1120	105
6	615	325	211	83	337	477	960	425	2050	1580	1120	113
7	620	325	196	83	387	491	959	478	2500	1690	1090	126
8	594	357	193	83	402	473	956	610	2740	1620	1100	135
9	536	438	193	83	401	471	951	863	3110	1320	1210	165
10	545	468	193	85	402	469	987	1010	3480	596	1100	158
11	555	468	181	86	402	500	1000	1260	3710	1860	1100	160
12	554	468	174	87	393	600	1040	1300	3610	1720	1100	172
13	550	501	174	86	388	837	1070	1400	3200	1530	1050	194
14	553	434	174	86	370	980	937	1730	2730	1320	1010	207
15	545	232	174	86	326	950	930	2170	2770	1020	1160	208
16	525	232	174	86	247	643	898	2390	2900	890	1300	239
17	512	232	174	86	202	481	801	2540	3010	808	1330	280
18	489	238	174	86	202	462	664	3020	2620	721	1330	291
19	459	241	174	86	202	500	588	3220	2480	705	1330	273
20	443	241	123	86	202	619	506	3230	2280	1020	1320	233
21	443	245	102	88	202	676	542	3240	2030	1110	1290	206
22	442	245	103	88	249	676	564	3100	2320	1060	1280	174
23	435	245	105	88	345	687	568	2830	3020	911	877	166
24	412	245	106	88	511	690	597	2590	2900	1480	594	171
25	403	245	106	134	514	692	607	2490	2480	1550	400	185
26	380	245	106	162	488	666	570	2350	2380	1550	373	184
27	339	241	106	162	482	671	575	1990	2350	1480	327	169
28	321	241	106	163	465	711	580	1680	2220	1340	280	162
29	322	264	106	274	423	712	610	1740	1990	1200	282	162
30	311	328	106	338	---	914	635	1780	1790	1070	280	162
31	306	---	107	360	---	850	---	1560	---	1130	278	---
TOTAL	15027	9331	5011	3670	10287	19043	23581	53624	71446	39171	29771	5310
MEAN	485	311	162	118	355	614	786	1730	2382	1264	960	177
AC-FT	29810	18510	9940	7280	20400	37770	46770	106400	141700	77700	59050	10530
MAX	620	501	282	360	514	980	1070	3240	3710	1860	1330	291
MIN	306	232	102	82	202	419	506	425	809	596	278	105
CAL YR 1995 TOTAL		413171	MEAN	1132	MAX	5530	MIN	73	AC-FT	819500		
WTR YR 1996 TOTAL		285272	MEAN	779	MAX	3710	MIN	82	AC-FT	565800		

MAX DISCH 3782 CFS AT 1815 10-JUN-1996 GH 5.78 FT. SHIFT 0.08 FT. MAX GH 5.78 FT. AT 1815 10-JUN-1996

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



## ARKANSAS RIVER BASIN

07111000 HUERFANO RIVER AT MANZANARES CROSSING NEAR REDWING, CO

**LOCATION.**--Lat 37°43'40", long 105°21'03", in sec 5, T.27 S., R.71 W., Huerfano County, on left bank at Manzanares crossing, 500 ft downstream from private bridge, .2 mi downstream from Manzanares Creek, and 3.5 mi southwest of Redwing.

**DRAINAGE AREA.**--73 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder in 4 foot diameter culvert pipe shelter and well.

**REMARKS.**--Record is complete and reliable except for the following periods: November 10-15, 1995, when instruments were removed for construction. November 27-29; December 7-11, 15-23, 1995; January 5-12, 18-31; February 1-7, 11-17, 19, 23-29; and March 1-4, 6-9, 18-21, 25-27, 1996, when stage was affected by ice. December 24, 1995 to January 4, 1996, when floats were frozen in ice. Record good, except for periods of ice-effect or missing data, which are poor. Station maintained and record developed by Div. II Personnel.

**RATING TABLE.**--HURREDCO20 USED FROM 01-OCT-1995 TO 30-SEP-1996

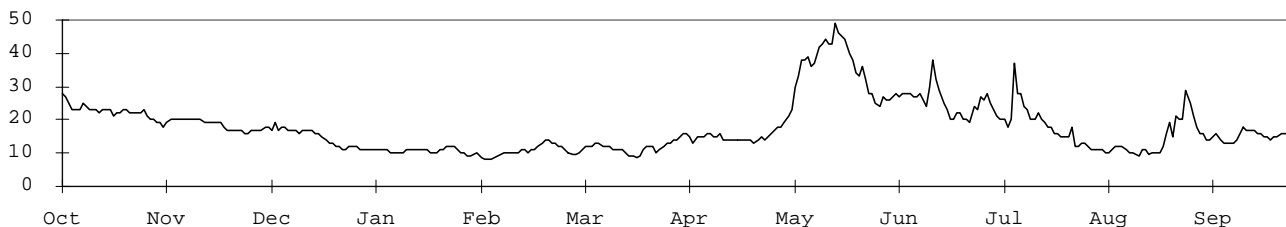
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	19	18	11	10	9.6	15	18	26	28	11	18
2	27	20	17	11	8.8	10	16	19	26	25	11	16
3	25	20	19	11	8.0	11	16	21	27	23	11	16
4	23	20	17	11	8.2	12	15	23	28	21	11	14
5	23	20	18	11	8.4	12	13	30	27	20	10	14
6	23	20	18	10	8.7	12	15	33	28	20	10	15
7	25	20	17	10	9.0	13	15	38	28	18	11	16
8	24	20	17	10	9.8	13	15	38	28	20	12	14
9	23	20	17	10	10	12	16	39	27	37	12	13
10	23	20	16	10	10	12	16	36	27	28	12	13
11	23	20	17	11	10	12	15	37	28	28	11	13
12	22	19	17	11	10	11	15	42	26	24	10	13
13	23	19	17	11	10	11	16	43	24	23	10	14
14	23	19	17	11	11	11	14	44	30	20	9.5	16
15	23	19	16	11	11	11	14	43	38	20	9.1	18
16	21	19	16	11	10	10	14	43	32	22	11	17
17	22	19	15	11	11	9.3	14	49	29	20	11	17
18	22	18	14	10	11	9.0	14	46	25	19	9.6	17
19	23	17	13	10	12	8.8	14	45	23	18	10	16
20	23	17	13	10	13	9.0	14	44	20	18	10	16
21	22	17	12	11	14	11	14	40	20	16	10	15
22	22	17	12	11	14	12	14	38	22	16	12	15
23	22	17	11	12	13	12	13	34	22	15	16	14
24	22	16	11	12	13	12	14	33	20	15	19	15
25	23	16	12	12	12	10	15	36	20	15	15	15
26	21	17	12	11	12	11	14	32	19	18	21	16
27	20	17	12	10	11	12	15	28	24	12	20	16
28	20	17	11	10	10	13	16	28	23	12	20	16
29	19	17	11	9.2	9.6	13	17	25	27	13	29	16
30	19	18	11	9.0	---	14	18	24	26	13	25	15
31	18	---	11	9.4	---	14	---	27	---	12	21	---
TOTAL	697	554	455	328.6	308.5	352.7	446	1076	770	609	420.2	459
MEAN	22.5	18.5	14.7	10.6	10.6	11.4	14.9	34.7	25.7	19.6	13.6	15.3
AC-FT	1380	1100	902	652	612	700	885	2130	1530	1210	833	910
MAX	28	20	19	12	14	14	18	49	38	37	29	18
MIN	18	16	11	9.0	8.0	8.8	13	18	19	12	9.1	13

CAL YR 1995 TOTAL 17153 MEAN 47.0 MAX 236 MIN 11 AC-FT 34020  
WTR YR 1996 TOTAL 6476.0 MEAN 17.7 MAX 49 MIN 8.0 AC-FT 12850

MAX DISCH 53 CFS AT 0500 17-MAY-1996 GH 3.11 FT. SHIFT 0.25 FT. MAX GH 3.35 FT. AT 19-DEC-1995

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



ARKANSAS RIVER BASIN

07114000 CUCHARAS RIVER AT BOYD RANCH NEAR LA VETA, CO

**LOCATION.**--Lat 37°25'12", long 105°03'08", in SE¼NE¼SE¼ sec. 24, T.30 S., R.69 W., Huerfano County, on left bank at Boyd Ranch, 29 ft. downstream from private bridge, 1.4 mi downstream from Chaparral Creek, and 6.5 mi southwest of La Veta.

**DRAINAGE AREA.**--56 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry in a 3 1/2ft. diameter corrugated shelter over a 4 ft. diameter well. Primary record is DCP with reference to outside staff gage.

**REMARKS.**--Record is complete and reliable except for the following periods: Nov. 3, 11, 28-30; Dec. 1, 7-10, 15-31, 1995; Jan. 1-31; Feb. 1-19, 24-25, 27-29; Mar. 1-4, 6-9, 14-21, 25-26, 1996, when stage was affected by ice. Record good, except that for periods of ice effect, which is poor. Station maintained and record developed by Div. II personnel.

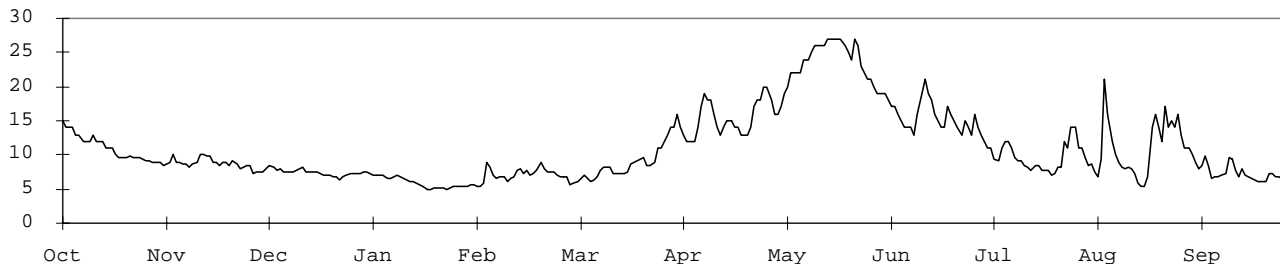
**RATING TABLE.**--CRBRLVCO13 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	8.7	8.0	7.3	5.7	5.6	14	16	19	14	11	11
2	14	8.8	8.4	7.1	5.4	5.8	16	16	19	13	9.5	11
3	14	10	8.1	7.0	5.4	6.2	14	17	19	12	8.5	10
4	14	8.8	7.8	7.1	5.8	6.6	13	19	18	11	8.6	8.9
5	13	8.9	7.9	7.0	8.8	7.1	12	20	17	11	7.6	8.0
6	13	8.7	7.4	6.5	8.1	6.5	12	22	17	9.3	6.9	8.4
7	12	8.6	7.4	6.5	7.1	6.0	12	22	16	9.2	9.4	9.9
8	12	8.3	7.4	6.7	6.6	6.3	14	22	15	11	21	8.4
9	12	8.6	7.6	7.0	6.8	6.8	17	22	14	12	16	6.5
10	13	8.8	7.8	6.8	6.8	7.8	19	24	14	12	12	6.8
11	12	10	8.0	6.5	6.2	8.2	18	24	14	11	10	6.9
12	12	10	8.2	6.3	6.5	8.1	18	25	13	9.6	9.0	7.0
13	12	9.9	7.6	6.1	6.7	8.1	16	26	16	9.2	8.2	7.2
14	11	9.9	7.5	6.0	7.7	7.2	14	26	19	9.2	7.9	9.6
15	11	9.0	7.5	5.8	8.0	7.2	13	26	21	8.4	8.1	9.4
16	11	9.0	7.5	5.6	7.3	7.2	14	26	19	8.3	8.0	7.7
17	10	8.5	7.3	5.3	7.8	7.3	15	27	18	7.8	7.2	6.8
18	9.6	8.8	7.1	5.0	7.1	7.6	15	27	16	8.4	5.9	8.0
19	9.6	8.8	7.0	5.0	7.2	8.7	14	27	15	8.5	5.3	7.0
20	9.5	8.5	7.0	5.1	7.8	8.8	14	27	14	7.8	5.4	6.7
21	9.9	9.2	6.9	5.1	8.8	9.1	13	27	14	7.8	6.7	6.6
22	9.6	8.7	6.8	5.2	8.0	9.3	13	26	17	7.7	14	6.4
23	9.5	8.0	6.4	5.1	7.4	9.5	13	25	16	7.1	16	6.2
24	9.6	8.2	6.8	5.0	7.4	8.5	14	24	15	7.2	14	6.1
25	9.3	8.5	7.0	5.1	7.4	8.4	17	27	14	8.2	12	6.0
26	9.2	8.5	7.2	5.3	7.0	8.9	18	26	13	8.3	17	7.2
27	9.2	7.3	7.2	5.3	6.8	11	18	23	15	12	14	7.3
28	8.9	7.4	7.2	5.3	6.8	11	20	22	14	11	15	6.9
29	8.9	7.5	7.2	5.3	6.8	12	20	21	13	14	14	6.8
30	8.8	7.5	7.4	5.4	---	13	18	21	16	14	16	6.6
31	8.5	---	7.4	5.6	---	14	---	20	---	11	13	---
TOTAL	341.1	261.4	230.0	183.4	205.2	257.8	458	723	480	311.0	337.2	231.3
MEAN	11.0	8.71	7.42	5.92	7.08	8.32	15.3	23.3	16.0	10.0	10.9	7.71
AC-FT	677	518	456	364	407	511	908	1430	952	617	669	459
MAX	15	10	8.4	7.3	8.8	14	20	27	21	14	21	11
MIN	8.5	7.3	6.4	5.0	5.4	5.6	12	16	13	7.1	5.3	6.0
CAL YR 1995 TOTAL		8689.0	MEAN	23.8	MAX	136	MIN	4.8	AC-FT	17230		
WTR YR 1996 TOTAL		4019.4	MEAN	11.0	MAX	27	MIN	5.0	AC-FT	7970		

MAX DISCH 52 CFS AT 0430 15-MAR-1996 GH 1.20 FT. SHIFT 0.05 FT. MAX GH 1.20 FT. AT 0430 15-MAR-1996

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



ARKANSAS RIVER BASIN

07117000 ARKANSAS RIVER NEAR NEPESTA, CO

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

**DRAINAGE AREA.**--9,345 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: Dec. 9-10, 1995; Jan. 6-8, 18-20, 27-31; Feb. 1-7, 1996 when stage-discharge relation was affected by river ice. Record fair, except record affected by ice, which is poor. Station maintained and record developed by Div. II Staff.

**RATING TABLE.**--ARKNEPCO10 USED FROM 01-OCT-1995 TO 30-SEP-1996

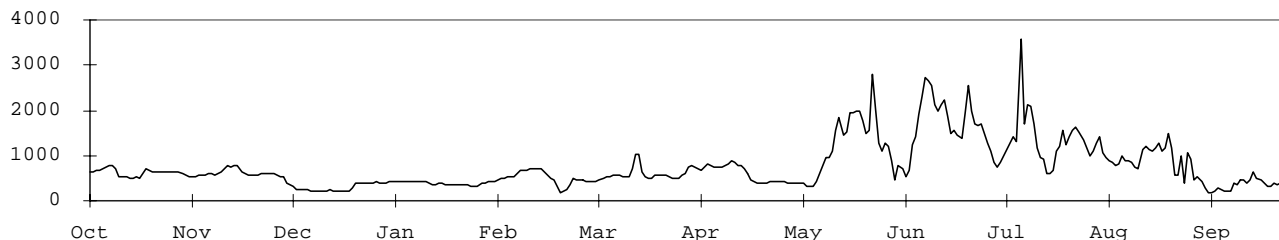
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	637	540	347	418	440	428	780	377	900	1110	1080	452
2	626	541	311	419	470	435	744	375	450	862	1260	519
3	655	568	265	409	480	436	700	404	783	734	1420	421
4	668	581	254	421	490	455	665	382	712	846	1070	267
5	712	584	240	418	520	513	756	375	540	977	960	178
6	746	590	232	410	530	530	817	320	674	1140	882	180
7	780	591	214	415	540	542	773	308	1230	1290	837	213
8	788	577	210	415	600	571	735	319	1420	1400	796	285
9	696	586	200	426	668	583	736	429	1920	1300	814	249
10	538	637	200	436	675	562	732	605	2300	3570	989	221
11	523	692	210	414	683	548	765	787	2730	1700	892	202
12	514	771	226	375	712	529	824	945	2660	2110	874	195
13	502	747	232	352	693	544	871	962	2560	2080	858	388
14	508	772	217	357	711	718	836	1110	2140	1690	755	345
15	516	762	207	377	697	1020	776	1540	1970	1160	718	449
16	506	632	202	386	653	1010	775	1850	2110	945	1140	446
17	593	603	198	366	567	645	708	1440	2220	913	1190	391
18	701	579	202	350	508	527	598	1520	1880	610	1150	476
19	680	572	196	350	471	493	453	1950	1500	601	1100	628
20	634	561	270	355	316	492	408	1960	1540	678	1180	507
21	633	575	379	362	190	555	404	1990	1440	1110	1260	444
22	645	605	382	368	201	571	384	1990	1370	1210	1110	383
23	652	610	405	363	242	567	401	1780	1960	1570	1180	331
24	650	607	389	337	345	555	402	1490	2560	1240	1480	305
25	634	599	390	333	483	515	434	1560	1970	1420	1170	388
26	622	585	403	330	468	497	434	2800	1690	1550	558	349
27	630	567	411	320	464	501	424	2010	1680	1640	578	381
28	621	547	386	380	449	510	419	1280	1690	1510	983	457
29	607	533	384	400	427	554	412	1080	1500	1340	405	395
30	578	382	398	420	---	600	379	1290	1280	1170	1060	373
31	546	---	412	440	---	757	---	1210	---	991	913	---
TOTAL	19341	18096	8972	11922	14693	17763	18545	36438	49379	40467	30662	10818
MEAN	624	603	289	385	507	573	618	1175	1646	1305	989	361
AC-FT	38360	35890	17800	23650	29140	35230	36780	72270	97940	80270	60820	21460
MAX	788	772	412	440	712	1020	871	2800	2730	3570	1480	628
MIN	502	382	196	320	190	428	379	308	450	601	405	178

CAL YR 1995 TOTAL 486316 MEAN 1332 MAX 6000 MIN 96 AC-FT 964600  
WTR YR 1996 TOTAL 277096 MEAN 757 MAX 3570 MIN 178 AC-FT 549600

MAX DISCH 4425 CFS AT 1345 10-JUL-1996 GH 4.91 FT. SHIFT -0.27 FT. MAX GH 5.08 FT. AT 1315 03-FEB-1996

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



## ARKANSAS RIVER BASIN

07119700 ARKANSAS RIVER BELOW CATLIN DAM, NEAR FOWLER, CO

**LOCATION.**--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at Catlin Canal gage, on right bank 2.2 mi downstream from diversion dam for Catlin Canal, 2.3 mi downstream from Apishapa River, and 6.0 mi east of Fowler.

**DRAINAGE AREA.**--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 streamflow data from DCP and strip chart adjusted to outside staff gage readings. Record is complete and reliable except for the following periods: Jan. 26-29; Feb. 1-12, 1996 when stage was affected by ice. Jan. 30-31; Apr. 20-21, 1996 when manometer was stuck. Record fair, except that for periods of ice effect and instrument malfunction, which is poor. Record developed and station maintained by Division II personnel.

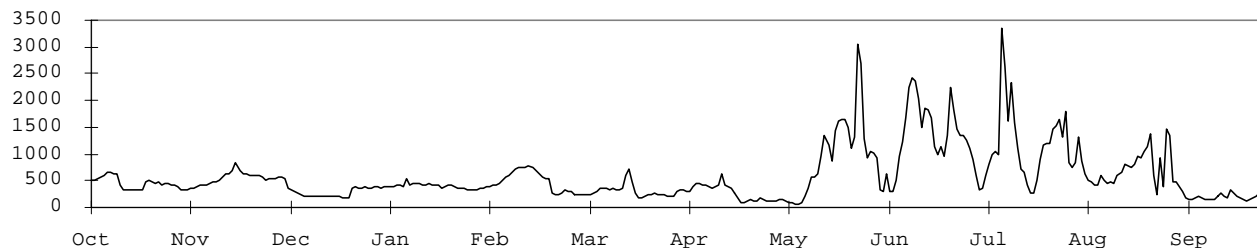
**RATING TABLE.**--ARKCATCO05 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	502	354	355	382	380	228	335	128	918	889	738	483
2	505	361	344	393	400	231	321	140	328	593	840	490
3	529	390	287	383	410	234	303	141	309	320	1310	388
4	574	416	265	416	425	243	289	113	615	365	855	293
5	594	420	230	414	450	277	381	81	314	607	628	180
6	649	433	219	401	510	314	457	76	307	794	502	140
7	661	459	221	527	560	356	455	72	509	988	468	162
8	640	478	218	415	610	365	433	67	962	1050	428	185
9	626	470	210	436	660	356	415	79	1230	1000	423	196
10	405	501	210	457	720	342	385	210	1680	3360	608	170
11	325	566	208	442	740	348	372	362	2250	2640	503	160
12	327	620	204	427	760	337	389	571	2410	1620	441	150
13	325	637	202	431	752	328	410	580	2350	2330	466	150
14	325	686	200	436	766	353	626	635	2040	1600	444	151
15	341	829	199	433	747	613	416	960	1500	1110	590	195
16	342	701	197	413	701	725	401	1350	1840	709	671	271
17	326	626	195	417	624	483	345	1160	1810	660	822	210
18	475	622	190	367	566	257	265	865	1690	430	785	177
19	497	611	187	384	532	180	186	1430	1150	272	739	333
20	465	596	186	421	530	170	90	1630	984	255	798	277
21	451	589	356	409	270	206	100	1660	1140	521	944	214
22	467	602	376	375	234	254	109	1660	955	912	923	187
23	430	555	366	365	238	240	136	1500	1340	1160	1040	151
24	449	522	363	346	271	256	123	1120	2250	1210	1150	119
25	449	537	374	347	321	253	107	1320	1830	1210	1380	148
26	416	546	363	341	308	254	168	3040	1460	1460	585	180
27	415	535	364	340	296	234	141	2690	1350	1540	248	196
28	389	560	381	340	248	198	121	1290	1360	1640	919	268
29	341	573	379	340	230	216	132	913	1270	1310	380	287
30	340	537	359	350	---	197	131	1050	1120	1790	1470	245
31	341	---	384	360	---	287	---	1030	---	838	1340	---
TOTAL	13921	16332	8592	12308	14259	9335	8542	27923	39271	35183	23438	6756
MEAN	449	544	277	397	492	301	285	901	1309	1135	756	225
AC-FT	27610	32390	17040	24410	28280	18520	16940	55390	77890	69790	46490	13400
MAX	661	829	384	527	766	725	626	3040	2410	3360	1470	490
MIN	325	354	186	340	230	170	90	67	307	255	248	119
CAL YR 1995 TOTAL		426344	MEAN	1168	MAX	6260	MIN	79	AC-FT	845700		
WTR YR 1996 TOTAL		215860	MEAN	590	MAX	3360	MIN	67	AC-FT	428200		

MAX DISCH 6670 CFS AT 2330 10-JUL-1996 GH 6.88 FT. SHIFT -0.13 FT. MAX GH 6.88 FT. AT 2330 10-JUL-1996

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



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO

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

DRAINAGE AREA.--N/A

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

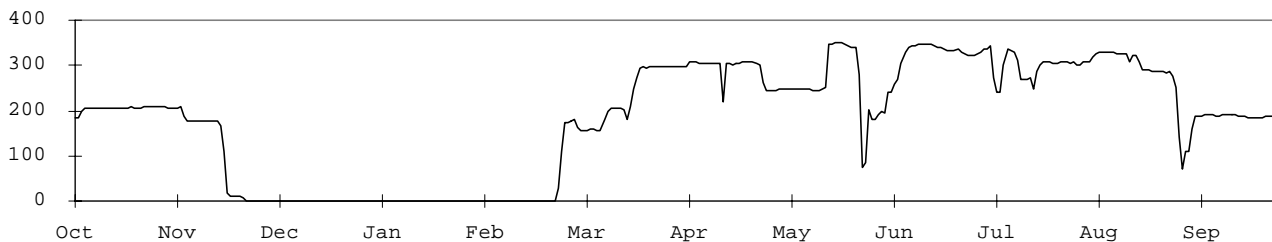
REMARKS.--Record appears reliable all year except Mar. 19, 1996 when instruments were being worked on. Strip chart was not readily available for comparison. Records were compared to those of the water commissioner for the same canal. Record fair. Records developed by Div. II personnel.

RATING TABLE.-- USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	207	0.0	0.0	0.0	163	297	249	198	328	309	111
2	185	209	0.0	0.0	0.0	157	296	249	195	335	309	111
3	199	188	0.0	0.0	0.0	157	298	249	239	337	309	159
4	206	177	0.0	0.0	0.0	157	308	248	241	342	318	188
5	207	177	0.0	0.0	0.0	158	308	248	257	272	325	188
6	207	177	0.0	0.0	0.0	159	307	248	269	242	328	188
7	207	176	0.0	0.0	0.0	156	305	247	304	242	328	191
8	206	177	0.0	0.0	0.0	154	306	249	330	300	328	192
9	205	178	0.0	0.0	0.0	181	305	249	341	337	328	190
10	204	178	0.0	0.0	0.0	199	305	248	342	334	328	188
11	206	178	0.0	0.0	0.0	204	304	245	342	330	326	188
12	207	177	0.0	0.0	0.0	205	306	246	348	312	326	192
13	206	177	0.0	0.0	0.0	205	304	245	348	268	326	192
14	207	167	0.0	0.0	0.0	207	219	248	348	268	325	190
15	207	109	0.0	0.0	0.0	202	304	250	346	270	309	190
16	207	17	0.0	0.0	0.0	181	304	346	346	273	323	190
17	206	12	0.0	0.0	0.0	208	302	346	344	247	323	188
18	208	12	0.0	0.0	0.0	249	303	350	341	288	307	188
19	207	12	0.0	0.0	0.0	273	304	352	339	300	290	188
20	206	12	0.0	0.0	0.51	295	308	350	337	307	290	185
21	206	5.5	0.0	0.0	1.2	297	309	348	334	309	292	184
22	208	0.0	0.0	0.0	1.2	295	308	342	332	309	288	184
23	209	0.0	0.0	0.0	1.2	297	309	339	334	305	288	184
24	209	0.0	0.0	0.0	28	298	304	341	335	305	288	185
25	209	0.0	0.0	0.0	109	297	301	280	330	309	285	188
26	209	0.0	0.0	0.0	175	298	262	73	326	307	283	187
27	209	0.0	0.0	0.0	174	297	243	86	323	307	287	187
28	209	0.0	0.0	0.0	178	296	244	203	323	305	277	188
29	206	0.0	0.0	0.0	180	299	244	179	321	307	250	188
30	206	0.0	0.0	0.0	---	298	246	179	326	302	140	185
31	207	---	0.0	0.0	---	298	---	192	---	302	72	---
TOTAL	6365	2722.5	0.0	0.0	848.11	7140	8763	8024	9439	9299	9105	5457
MEAN	205	90.8	0.0	0.0	29.2	230	292	259	315	300	294	182
AC-FT	12620	5400	0.0	0.0	1680	14160	17380	15920	18720	18440	18060	10820
MAX	209	209	0.0	0.0	180	299	309	352	348	342	328	192
MIN	185	0.0	0.0	0.0	0.0	154	219	73	195	242	72	111
CAL YR 1995 TOTAL	64904.64	MEAN	178	MAX	352	MIN	0.00	AC-FT	128700			
WTR YR 1996 TOTAL	67162.62	MEAN	184	MAX	352	MIN	0.00	AC-FT	133200			

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



## ARKANSAS RIVER BASIN

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

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

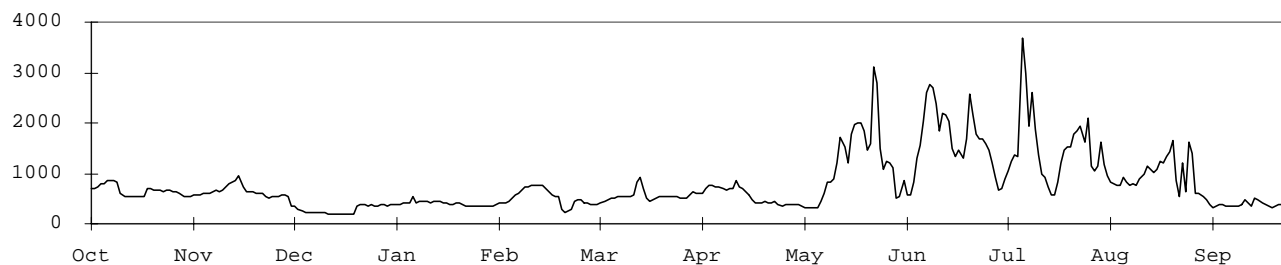
DRAINAGE AREA.--10,901 mi<sup>2</sup>.

REMARKS.--Record fair, except that for periods of ice effect, which is poor. Record is a compilation of Catlin Dam and Catlin Canal records developed by Frank Kipple.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	687	561	355	382	380	391	632	377	1120	1220	1050	594
2	690	570	344	393	400	388	617	389	523	928	1150	601
3	728	578	287	383	410	391	601	390	548	657	1620	547
4	780	593	265	416	425	400	597	361	856	707	1170	481
5	801	597	230	414	450	435	689	329	571	879	953	368
6	856	610	219	401	510	473	764	324	576	1040	830	328
7	868	635	221	527	560	512	760	319	813	1230	796	353
8	846	655	218	415	610	519	739	316	1290	1350	756	377
9	831	648	210	436	660	537	720	328	1570	1340	751	386
10	609	679	210	457	720	541	690	458	2020	3690	936	358
11	531	744	208	442	740	552	676	607	2590	2970	829	348
12	534	797	204	427	760	542	695	817	2760	1930	767	342
13	531	814	202	431	752	533	714	825	2700	2600	792	342
14	532	853	200	436	766	560	845	883	2390	1870	769	341
15	548	938	199	433	747	815	720	1210	1850	1380	899	385
16	549	718	197	413	701	906	705	1700	2190	982	994	461
17	532	638	195	417	624	691	647	1510	2150	907	1140	398
18	683	634	190	367	566	506	568	1220	2030	718	1090	365
19	704	623	187	384	532	453	490	1780	1490	572	1030	521
20	671	608	186	421	531	465	398	1980	1320	562	1090	462
21	657	594	356	409	271	503	409	2010	1470	830	1240	398
22	675	602	376	375	235	549	417	2000	1290	1220	1210	371
23	639	555	366	365	239	537	445	1840	1670	1460	1330	335
24	658	522	363	346	299	554	427	1460	2580	1520	1440	304
25	658	537	374	347	430	550	408	1600	2160	1520	1660	336
26	625	546	363	341	483	552	430	3110	1790	1770	868	367
27	624	535	364	340	470	531	384	2780	1670	1850	535	383
28	598	560	381	340	426	494	365	1490	1680	1940	1200	456
29	547	573	379	340	410	515	376	1090	1590	1620	630	475
30	546	537	359	350	---	495	377	1230	1450	2090	1610	430
31	548	---	384	360	---	585	---	1220	---	1140	1410	---
TOTAL	20286	19054	8592	12308	15107	16475	17305	35953	48707	44492	32545	12213
MEAN	654	635	277	397	521	531	577	1160	1624	1435	1050	407
AC-FT	40240	37790	17040	24410	29960	32680	34320	71310	96610	88250	64550	24220
MAX	868	938	384	527	766	906	845	3110	2760	3690	1660	601
MIN	531	522	186	340	235	388	365	316	523	562	535	304
CAL YR 1995 TOTAL		491203	MEAN	1346	MAX	6580	MIN	146	AC-FT	974300		
WTR YR 1996 TOTAL		283037	MEAN	773	MAX	3690	MIN	186	AC-FT	561400		

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



ARKANSAS RIVER BASIN

07122400 CROOKED ARROYO NEAR SWINK, CO

**LOCATION.**--Lat 37°58'56", long 103°35'52", in SW¼SW¼ sec. 5, T.24 S., R.55 W., Otero County, on right bank 54 ft. downstream from bridge on State Highway 10, 2.0 mi. upstream from mouth, and 2.8 mi. southeast of Swink.

**DRAINAGE AREA.**--108 mi<sup>2</sup>.

**GAGE.**--Water-stage recorder with satellite telemetry. Elevation of gage is 4,100 ft. above sea level.

**REMARKS.**-- Record is complete and reliable except for December 26-31, 1995; January 1-6, 19-31; and February 1-7, 1996, when stage-discharge relationship was affected by ice. Records fair, except those affected by ice, which are poor. Station maintained and record developed by Div. II Personnel.

**RATING TABLE.**--CANSWKC006 USED FROM 01-OCT-1995 TO 30-SEP-1996

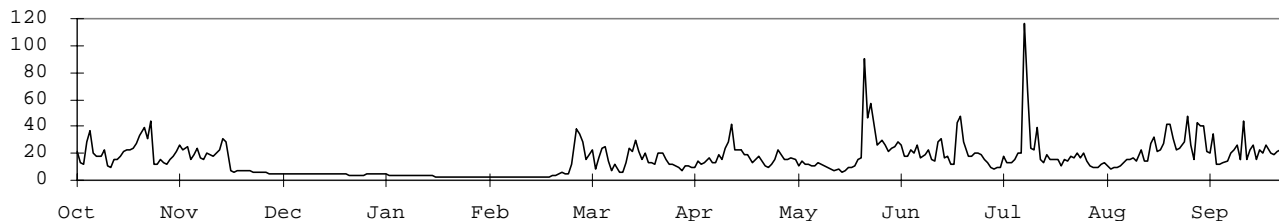
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	26	4.9	4.2	2.2	28	11	15	21	13	11	15
2	13	22	4.9	4.2	2.1	15	11	15	24	10	10	43
3	12	25	4.5	4.0	1.9	19	9.5	17	25	8.3	10	40
4	28	16	4.9	4.0	1.9	23	9.2	16	29	9.0	12	40
5	37	19	5.0	3.8	2.0	8.6	14	11	26	9.9	13	21
6	20	24	4.9	3.6	2.0	17	12	14	18	18	11	20
7	18	17	4.8	3.8	2.1	24	13	12	18	13	8.8	35
8	18	16	4.6	3.7	2.3	25	17	12	22	13	9.9	12
9	22	20	4.5	3.2	2.3	14	13	11	20	16	9.3	12
10	11	19	4.6	3.4	2.4	7.7	13	11	26	20	11	13
11	9.3	18	5.3	3.4	2.3	12	19	13	17	20	13	14
12	16	20	5.2	3.3	2.4	5.6	16	12	19	116	15	20
13	15	23	5.2	3.3	2.5	6.1	24	11	23	67	15	23
14	18	31	5.0	3.3	2.5	13	29	10	16	24	17	26
15	21	28	4.8	3.1	2.5	24	41	8.2	14	22	14	16
16	22	6.7	4.7	3.0	2.5	21	22	7.5	28	39	22	44
17	23	6.4	4.7	2.6	2.6	30	23	8.8	31	16	14	15
18	24	7.1	4.7	2.5	2.7	21	23	6.1	17	13	14	22
19	27	6.7	4.5	2.4	2.8	15	19	6.8	18	19	27	26
20	33	7.0	4.5	2.3	2.9	20	19	10	12	15	32	16
21	39	6.9	4.2	2.2	3.0	13	13	9.9	12	15	21	23
22	31	6.6	4.1	2.2	3.4	13	16	11	43	15	22	20
23	44	6.3	4.1	2.2	4.3	12	18	15	47	11	27	26
24	12	6.3	4.0	2.1	5.7	20	14	17	28	15	42	20
25	12	6.4	4.1	2.1	5.2	20	11	90	18	14	42	19
26	16	6.0	4.0	2.2	4.9	15	9.6	46	18	18	31	21
27	13	5.7	4.2	2.1	12	12	12	57	20	17	23	22
28	12	5.3	4.2	2.2	38	12	16	42	20	20	24	17
29	16	5.3	4.2	2.2	34	11	22	26	19	17	29	12
30	18	5.1	4.3	2.3	---	9.2	19	30	15	20	47	16
31	21	---	4.3	2.4	---	7.7	---	26	---	14	26	---
TOTAL	642.3	417.8	141.9	91.3	157.4	493.9	508.3	597.3	664	657.2	623.0	669
MEAN	20.7	13.9	4.58	2.95	5.43	15.9	16.9	19.3	22.1	21.2	20.1	22.3
AC-FT	1270	829	281	181	312	980	1010	1180	1320	1300	1240	1330
MAX	44	31	5.3	4.2	38	30	41	90	47	116	47	44
MIN	9.3	5.1	4.0	2.1	1.9	5.6	9.2	6.1	12	8.3	8.8	12

CAL YR 1995 TOTAL 6228.5 MEAN 17.1 MAX 87 MIN 1.2 AC-FT 12350  
WTR YR 1996 TOTAL 5663.4 MEAN 15.5 MAX 116 MIN 1.9 AC-FT 11230

MAX DISCH 583 CFS AT 1900 12-JUL-1996 GH 6.64 FT. SHIFT 0.06 FT. MAX GH 6.64 FT. AT 1900 12-JUL-1996

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





## ARKANSAS RIVER BASIN

07123000 ARKANSAS RIVER AT LA JUNTA, CO

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

**DRAINAGE AREA.**--12,210 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 was affected by ice Dec. 23-24, 27-28, 1995; Jan. 2-3, 5-7, 18, 23-24, 26-27, 30-31; Feb. 1-7, 1996. Record missing Jan. 19-22; Aug. 1-2, 6-10, 23, 25, 31; Sep. 1-4, 1996. Record incomplete or unreliable much of the year because of various problems. The DCP was used as the primary instrumentation for collecting gage-height data, with periodic adjustment to wire-weight gages. Record poor most of the year. Station maintained and record developed by Div. II personnel.

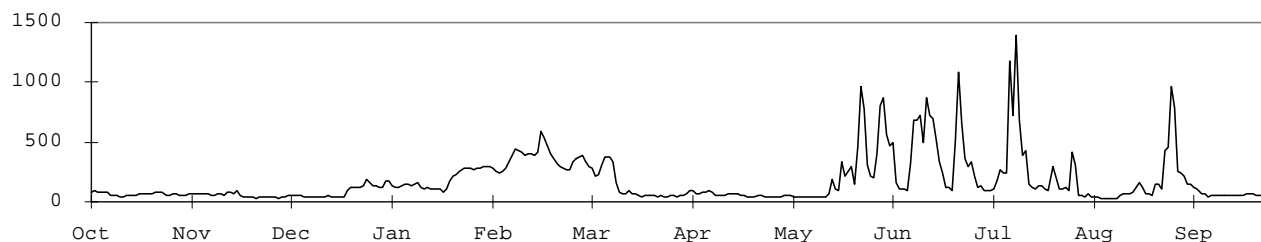
**RATING TABLE.**--ARKLAJCO37 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	65	51	174	290	387	58	46	804	125	60	250
2	93	66	50	139	280	336	69	48	872	140	55	240
3	76	72	47	115	260	295	99	50	560	91	46	215
4	84	64	49	117	240	277	88	47	463	88	69	150
5	79	64	47	139	250	211	72	35	491	88	46	144
6	78	71	44	145	280	221	71	43	155	107	40	117
7	58	60	40	145	340	309	75	40	106	180	35	111
8	56	58	39	135	384	381	80	39	113	267	30	70
9	52	68	39	149	437	377	88	37	89	237	25	65
10	44	71	42	159	431	341	79	34	316	238	25	46
11	43	56	45	124	412	164	59	37	683	1180	25	55
12	56	77	44	112	393	76	53	41	678	719	24	59
13	51	76	50	114	397	62	56	36	723	1390	32	58
14	47	72	45	111	399	62	53	36	489	681	60	54
15	56	95	46	108	392	88	66	35	872	392	68	54
16	61	60	46	113	420	65	63	73	729	422	70	54
17	65	39	43	109	584	61	72	194	694	152	70	55
18	67	41	43	80	535	47	63	101	516	114	78	49
19	71	37	97	110	469	41	50	100	337	112	121	49
20	71	35	120	180	400	48	50	334	245	136	158	53
21	82	33	122	210	368	52	43	220	127	131	122	56
22	74	34	114	230	323	52	36	251	124	111	64	61
23	80	36	120	258	293	53	44	294	100	98	66	61
24	51	39	132	277	284	46	58	147	503	290	55	61
25	53	41	190	287	271	48	56	461	1080	197	150	59
26	67	44	160	280	268	43	46	970	652	107	144	58
27	68	37	133	270	339	45	45	774	367	110	109	57
28	59	33	130	281	361	54	38	312	289	120	432	64
29	58	36	116	286	380	54	41	220	334	97	451	69
30	59	46	119	290	---	46	38	199	216	419	970	73
31	61	---	169	290	---	48	---	403	---	311	790	---
TOTAL	2005	1626	2532	5537	10480	4390	1809	5657	13727	8850	4490	2567
MEAN	64.7	54.2	81.7	179	361	142	60.3	182	458	285	145	85.6
AC-FT	3980	3230	5020	10980	20790	8710	3590	11220	27230	17550	8910	5090
MAX	93	95	190	290	584	387	99	970	1080	1390	970	250
MIN	43	33	39	80	240	41	36	34	89	88	24	46
CAL YR 1995 TOTAL		294462	MEAN	807	MAX	5950	MIN	21	AC-FT	584100		
WTR YR 1996 TOTAL		63670	MEAN	174	MAX	1390	MIN	24	AC-FT	126300		

MAX DISCH 2378 CFS AT 1000 11-JUL-1996 GH 9.28 FT. SHIFT -0.12 FT. MAX GH 9.30 FT. AT 1015 13-JUL-1996

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



ARKANSAS RIVER BASIN

07124500 PURGATOIRE RIVER AT TRINIDAD, CO

**LOCATION.**--Lat°37 10'15", long 104°30'31", in NW¼SE¼ sec. 13, T.33 S., R.64 W., Las Animas County, in city of Trinidad, on left bank.

**DRAINAGE AREA.**--795 mi<sup>2</sup>.

**GAGE.**--Graphic water stage recorder with satellite monitoring with DCP in a 36 inch pipe and well shelter.

**REMARKS.**--Record is complete and reliable for the entire year. Record fair to good. Station maintained and record developed by Div. II personnel.

**RATING TABLE.**--PURTRICO21A USED FROM 01-OCT-1995 TO 11-DEC-1995  
 PURTRICO22 USED FROM 12-DEC-1995 TO 30-SEP-1996

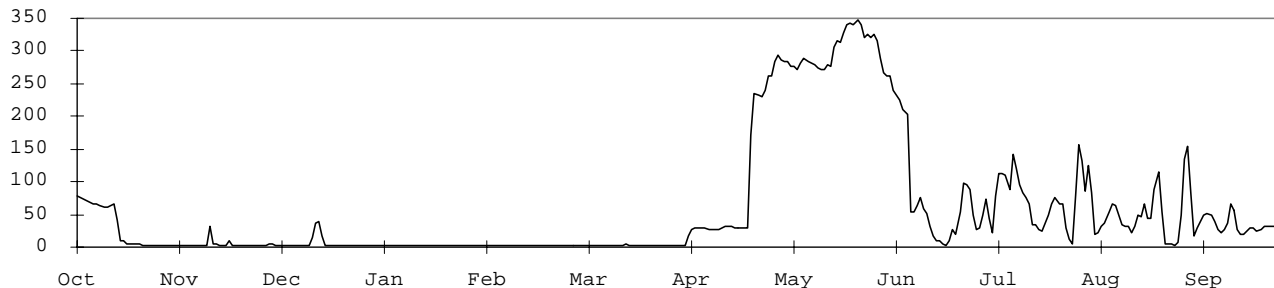
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	2.1	2.4	1.8	2.5	1.8	2.0	287	266	49	86	154
2	76	2.5	2.5	1.5	2.6	2.1	2.0	285	261	74	124	83
3	74	2.3	2.5	2.2	3.5	1.8	17	283	261	45	83	17
4	71	2.3	2.5	2.3	3.5	2.0	28	277	240	23	20	29
5	69	1.8	2.9	1.7	3.6	2.0	30	276	233	79	23	39
6	67	2.0	2.3	1.5	2.9	2.1	29	271	224	112	31	49
7	66	1.9	3.2	1.9	2.9	2.5	30	282	211	112	37	52
8	64	1.7	2.5	1.5	3.2	2.3	29	289	203	109	54	48
9	62	1.6	3.0	1.9	2.1	2.0	28	285	53	88	67	39
10	60	32	3.5	1.8	2.2	2.2	28	282	55	141	63	28
11	64	4.9	15	1.6	2.2	1.8	28	278	63	121	49	21
12	66	6.1	37	1.6	1.7	1.9	28	275	76	95	35	27
13	41	3.0	38	1.6	1.6	1.8	29	271	59	83	32	36
14	11	3.3	18	1.6	1.5	3.6	32	272	52	76	31	67
15	8.7	3.4	2.1	1.6	1.7	3.7	31	279	32	65	21	57
16	6.0	9.0	2.2	1.7	1.6	2.6	31	277	16	35	31	28
17	5.0	3.3	2.1	1.6	1.7	3.1	30	306	10	35	49	20
18	5.5	1.5	2.2	1.7	1.3	2.7	30	316	8.7	28	47	19
19	4.5	2.1	2.1	2.4	1.4	2.5	29	313	4.3	24	66	25
20	4.5	1.8	1.9	2.0	1.3	2.6	29	328	3.0	37	43	30
21	2.8	2.6	2.2	2.5	1.6	3.1	30	339	9.8	49	43	30
22	1.9	1.8	2.3	2.2	1.7	2.5	171	342	26	65	89	25
23	2.4	2.3	2.3	2.1	1.6	2.7	234	339	20	76	116	26
24	2.4	3.0	2.2	2.1	1.6	2.6	233	347	53	67	54	32
25	2.5	2.9	2.5	2.5	1.9	2.6	230	340	98	67	5.2	31
26	1.7	2.4	2.4	2.1	2.2	2.2	239	320	95	29	4.4	32
27	1.7	3.6	2.3	2.2	2.0	2.2	262	325	88	12	4.0	33
28	1.5	5.4	2.4	2.6	2.0	2.0	262	320	49	5.4	3.3	30
29	2.0	4.4	2.3	2.3	2.1	2.0	283	325	28	78	7.9	29
30	1.9	3.6	2.0	2.2	---	2.1	293	315	29	157	49	36
31	1.8	---	2.4	2.1	---	2.0	---	290	---	131	134	---
TOTAL	925.8	120.6	173.2	60.4	61.7	73.1	2757.0	9334	2826.8	2167.4	1501.8	1172
MEAN	29.9	4.02	5.59	1.95	2.13	2.36	91.9	301	94.2	69.9	48.4	39.1
AC-FT	1840	239	344	120	122	145	5470	18510	5610	4300	2980	2320
MAX	78	32	38	2.6	3.6	3.7	293	347	266	157	134	154
MIN	1.5	1.5	1.9	1.5	1.3	1.8	2.0	271	3.0	5.4	3.3	17

CAL YR 1995 TOTAL 32351.54 MEAN 88.6 MAX 357 MIN 0.81 AC-FT 64170  
 WTR YR 1996 TOTAL 21173.8 MEAN 57.9 MAX 347 MIN 1.3 AC-FT 42000

MAX DISCH 457 CFS AT 1100 25-MAY-1996 GH 2.90 FT. SHIFT 0.03 FT. MAX GH 2.90 FT. AT 1100 25-MAY-1996

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



ARKANSAS RIVER BASIN

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

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

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

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

**REMARKS.**--Record complete, except that on October 23, 1995, something was on the control causing erratic readings, and on July 23, 1996, when manometer malfunctioned. At times recorder wheel was slipping and resulting record was poor. Record generally fair. Record for period of flow above 2000 cfs is considered poor. Rating is not well-defined above 1000 cfs. Station maintained and record developed by Div. II personnel.

**RATING TABLE.**--PURNINCO16 USED FROM 01-OCT-1995 TO 30-SEP-1996

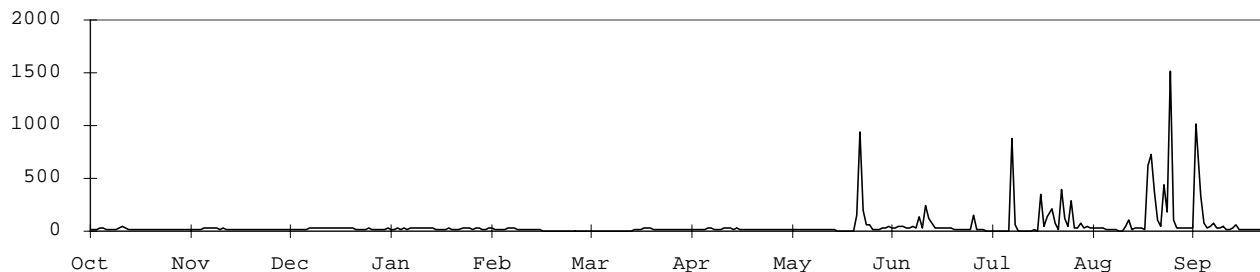
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	18	15	24	31	4.5	18	12	17	21	32	28
2	18	18	14	15	27	4.0	21	14	26	13	75	36
3	22	20	15	20	19	4.3	18	15	34	10	27	33
4	23	22	14	29	20	4.7	12	10	40	6.0	42	32
5	23	24	13	13	21	1.3	9.1	12	30	1.6	27	27
6	19	23	13	23	19	0.37	12	16	34	0.0	28	23
7	17	28	14	20	27	0.55	19	13	42	0.0	30	1020
8	18	27	27	26	33	0.0	19	13	38	0.0	29	328
9	19	27	26	24	31	0.10	24	14	30	0.0	25	71
10	27	22	31	27	20	0.82	25	13	27	0.0	21	37
11	39	23	32	27	15	1.2	21	12	47	0.0	21	47
12	23	21	33	32	13	1.4	19	11	36	884	18	79
13	17	18	32	36	13	0.57	21	7.8	132	61	14	30
14	16	18	30	34	11	1.4	36	10	30	6.6	3.5	37
15	11	14	32	30	10	2.5	32	12	235	0.0	0.0	38
16	16	14	30	22	9.3	2.0	24	13	124	0.0	51	21
17	16	13	28	18	8.1	10	22	11	74	0.0	106	13
18	14	13	28	9.6	7.5	22	23	8.2	33	5.0	22	30
19	12	13	26	14	5.9	21	20	2.3	30	18	33	64
20	12	15	30	30	5.8	32	19	0.0	29	7.3	36	19
21	17	13	23	21	4.5	26	17	0.0	28	344	24	11
22	16	12	20	22	3.6	24	14	0.0	36	46	21	13
23	15	12	20	18	2.9	22	15	0.0	24	142	626	17
24	15	13	16	25	3.7	18	16	0.0	18	207	732	15
25	15	13	19	37	2.4	17	14	150	14	73	373	13
26	15	12	28	24	2.1	17	15	940	13	21	101	12
27	15	11	18	21	1.4	13	14	194	11	391	45	17
28	15	12	15	31	4.0	14	12	60	9.0	114	446	14
29	17	13	19	24	5.1	14	13	60	8.2	42	185	10
30	17	15	10	16	---	13	12	22	148	282	1520	11
31	18	---	16	20	---	12	---	19	---	31	102	---
TOTAL	558	517	687	732.6	376.3	304.71	556.1	1664.3	1397.2	2726.5	4815.5	2146
MEAN	18.0	17.2	22.2	23.6	13.0	9.83	18.5	53.7	46.6	88.0	155	71.5
AC-FT	1110	1030	1360	1450	746	604	1100	3300	2770	5410	9550	4260
MAX	39	28	33	37	33	32	36	940	235	884	1520	1020
MIN	11	11	10	9.6	1.4	0.0	9.1	0.0	8.2	0.0	0.0	10

CAL YR 1995 TOTAL 18928.02 MEAN 51.9 MAX 2050 MIN 0.00 AC-FT 37540  
WTR YR 1996 TOTAL 16481.21 MEAN 45.0 MAX 1520 MIN 0.00 AC-FT 32690

MAX DISCH 9900 CFS AT 1915 12-JUL-1996 GH 7.12 FT. SHIFT 0.06 FT. MAX GH 7.12 FT. AT 1915 12-JUL-1996

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



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO.

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder and satellite monitored data collection platform (DCP) in steel shelter. Control is 6' Parshall flume.

REMARKS.--Record incomplete during many periods because of clock stoppages, mud in well, infrequent visits, and gages being set incorrectly. Record fair, except that for periods when clock was stopped or when float was on mud or when recorders set incorrectly, which is poor. Station maintained and record developed by Div. II personnel.

RATING TABLE.--NMCHIGCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

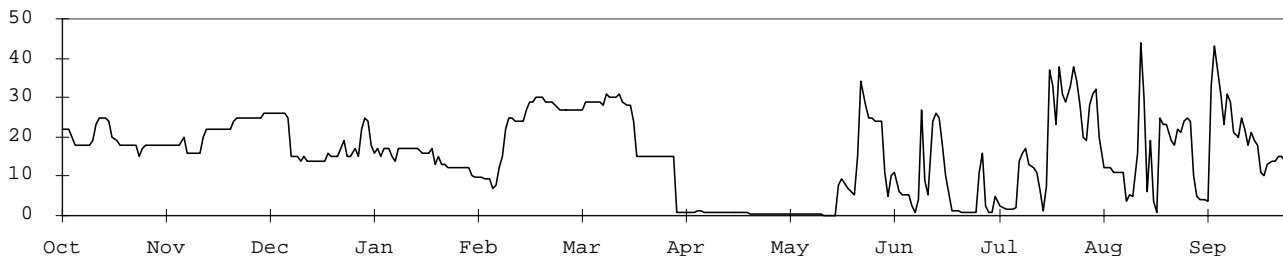
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	18	26	18	9.8	27	0.93	0.44	24	16	19	24
2	22	18	26	16	9.8	27	0.93	0.43	11	2.6	28	10
3	22	18	26	17	9.6	27	0.93	0.43	4.8	0.64	31	4.8
4	20	18	26	15	9.5	27	0.93	0.43	10	0.61	32	4.1
5	18	18	26	17	9.3	29	0.93	0.43	11	4.7	20	3.9
6	18	20	26	17	7.0	29	0.93	0.43	6.2	2.3	12	3.8
7	18	16	25	15	7.8	29	1.2	0.38	5.1	1.9	12	33
8	18	16	15	14	12	29	1.2	0.35	5.1	1.6	12	43
9	18	16	15	17	15	29	0.91	0.35	5.1	1.5	11	37
10	19	16	15	17	22	28	0.82	0.31	2.5	1.7	11	31
11	23	16	14	17	25	31	0.82	0.27	0.85	1.9	11	23
12	25	20	15	17	25	30	0.75	0.27	4.2	14	11	31
13	25	22	14	17	24	30	0.71	0.27	27	16	3.6	29
14	25	22	14	17	24	30	0.87	0.23	8.8	17	5.4	21
15	24	22	14	17	24	31	0.97	0.20	5.4	13	5.0	20
16	20	22	14	16	27	29	0.83	0.20	24	12	16	25
17	19	22	14	16	29	28	0.80	0.20	26	11	44	22
18	18	22	14	16	29	28	0.71	0.20	25	6.6	30	18
19	18	22	16	17	30	24	0.71	7.7	18	1.3	6.3	21
20	18	22	15	13	30	15	0.63	9.3	10	7.3	19	19
21	18	24	15	15	30	15	0.61	8.2	5.7	37	3.5	18
22	18	25	15	13	29	15	0.61	7.0	1.3	33	0.96	11
23	18	25	17	13	29	15	0.56	5.9	1.2	23	25	10
24	15	25	19	12	29	15	0.52	5.3	1.2	38	23	13
25	17	25	15	12	28	15	0.52	15	1.0	31	23	14
26	18	25	15	12	27	15	0.52	34	1.0	29	19	14
27	18	25	17	12	27	15	0.52	28	1.0	33	18	15
28	18	25	15	12	27	15	0.52	25	1.0	38	22	15
29	18	25	22	12	27	15	0.52	25	0.93	34	21	14
30	18	26	25	12	---	15	0.50	24	11	28	24	9.9
31	18	---	24	10	---	15	---	24	---	20	25	---
TOTAL	604	636	569	461	631.8	722	22.91	224.21	259.38	477.65	543.76	557.5
MEAN	19.5	21.2	18.4	14.9	21.8	23.3	0.76	7.23	8.65	15.4	17.5	18.6
AC-FT	1200	1260	1130	914	1250	1430	45	445	514	947	1080	1110
MAX	25	26	26	18	30	31	1.2	34	27	38	44	43
MIN	15	16	14	10	7.0	15	0.50	0.20	0.85	0.61	0.96	3.8

CAL YR 1995 TOTAL 5234.74 MEAN 14.3 MAX 53 MIN 0.00 AC-FT 10380  
WTR YR 1996 TOTAL 5709.21 MEAN 15.6 MAX 44 MIN 0.20 AC-FT 11320

MAX DISCH 77 CFS AT 1830 07-SEP-1996 GH 2.01 FT. SHIFT 0.00 FT. MAX GH 2.01 FT. AT 1830 07-SEP-1996

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



## ARKANSAS RIVER BASIN

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

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

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

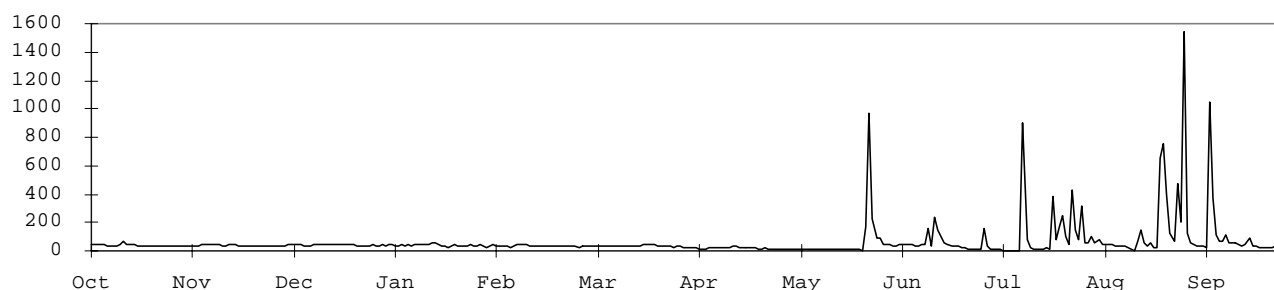
**GAGE.**--Water-stage recorder with satellite telemetry. Datum of gage is 4,240.59 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--The combined record of discharges was obtained by the addition of daily flows from the Ninemile Canal to the corresponding flows in the Purgatoire River at Ninemile Dam. The peak discharge for the year was approximately 9950 cfs on July 12, 1996. Combined records are considered fair. Station maintained and record developed by Div. II personnel.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	36	41	42	41	32	19	12	41	37	51	52
2	40	36	40	31	37	31	22	14	37	16	103	46
3	44	38	41	37	29	31	19	15	39	11	58	38
4	43	40	40	44	30	32	13	10	50	6.6	74	36
5	41	42	39	30	30	30	10	12	41	6.3	47	31
6	37	43	39	40	26	29	13	16	40	2.3	40	27
7	35	44	39	35	35	30	20	13	47	1.9	42	1050
8	36	43	42	40	45	29	20	13	43	1.6	41	371
9	37	43	41	41	46	29	25	14	35	1.5	36	108
10	46	38	46	44	42	29	26	13	30	1.7	32	68
11	62	39	46	44	40	32	22	12	48	1.9	32	70
12	48	41	48	49	38	31	20	11	40	898	29	110
13	42	40	46	53	37	31	22	8.1	159	77	18	59
14	41	40	44	51	35	31	37	10	39	24	8.9	58
15	35	36	46	47	34	34	33	12	240	13	5.0	58
16	36	36	44	38	36	31	25	13	148	12	67	46
17	35	35	42	34	37	38	23	11	100	11	150	35
18	32	35	42	26	36	50	24	8.4	58	12	52	48
19	30	35	42	31	36	45	21	10	48	19	39	85
20	30	37	45	43	36	47	20	9.3	39	15	55	38
21	35	37	38	36	34	41	18	8.2	34	381	28	29
22	34	37	35	35	33	39	15	7.0	37	79	22	24
23	33	37	37	31	32	37	16	5.9	25	165	651	27
24	30	38	35	37	33	33	17	5.3	19	245	755	28
25	32	38	34	49	30	32	15	165	15	104	396	27
26	33	37	43	36	29	32	16	974	14	50	120	26
27	33	36	35	33	28	28	15	222	12	424	63	32
28	33	37	30	43	31	29	13	85	10	152	468	29
29	35	38	41	36	32	29	14	85	9.1	76	206	24
30	35	41	35	28	---	28	12	46	159	310	1540	21
31	36	---	40	30	---	27	---	43	---	51	127	---
TOTAL	1162	1153	1256	1194	1008	1027	585	1883.2	1656.1	3205.8	5355.9	2701
MEAN	37.5	38.4	40.5	38.5	34.8	33.1	19.5	60.7	55.2	103	173	90.0
AC-FT	2300	2290	2490	2370	2000	2040	1160	3740	3280	6360	10620	5360
MAX	62	44	48	53	46	50	37	974	240	898	1540	1050
MIN	30	35	30	26	26	27	10	5.3	9.1	1.5	5.0	21
CAL YR 1995 TOTAL		24161.1	MEAN	66.2	MAX	2050	MIN	5.2	AC-FT	47920		
WTR YR 1996 TOTAL		22187.0	MEAN	60.6	MAX	1540	MIN	1.5	AC-FT	44010		

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO.

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

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

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

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

**RATING TABLE.**--COLDITCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

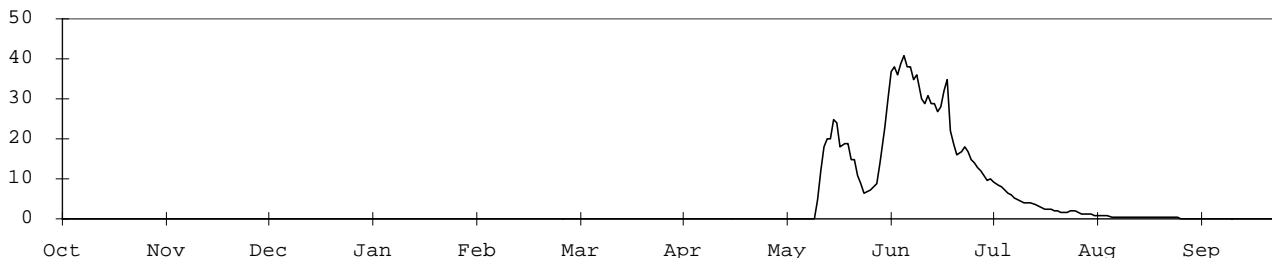
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	13	1.4	0.20
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	12	1.3	0.19
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	11	1.4	0.10
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	9.7	1.3	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	9.9	1.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	9.1	0.95	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	8.6	0.87	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	8.0	0.86	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	7.1	0.78	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	6.6	0.60	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	6.0	0.57	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	5.4	0.54	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	4.9	0.52	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	30	4.4	0.52	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	29	4.1	0.52	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	31	3.9	0.52	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	29	4.1	0.48	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	29	3.6	0.50	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	27	3.2	0.49	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	28	2.8	0.45	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	32	2.5	0.47	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	35	2.4	0.43	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	22	2.4	0.43	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	19	2.1	0.40	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	16	2.0	0.36	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	17	1.8	0.36	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	18	1.7	0.44	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	17	1.6	0.43	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	15	2.2	0.37	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	7.1	14	1.9	0.27	0.0
31	0.0	---	0.0	0.0	---	0.0	---	8.1	---	1.6	0.19	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	258.3	821.9	159.6	19.73	0.49
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.33	27.4	5.15	0.64	0.02
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	512	1630	317	39	0.97
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	41	13	1.4	0.20
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	1.6	0.19	0.0

CAL YR 1995 TOTAL 1205.62 MEAN 3.30 MAX 44 MIN 0.00 AC-FT 2390  
WTR YR 1996 TOTAL 1260.02 MEAN 3.44 MAX 41 MIN 0.00 AC-FT 2500

MAX DISCH 55 CFS AT 1800 08-JUN-1996 GH 1.68 FT. SHIFT 0.01 FT. MAX GH 1.68 FT. AT 1800 08-JUN-1996

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO

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

DRAINAGE AREA.--N/A

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

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

RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

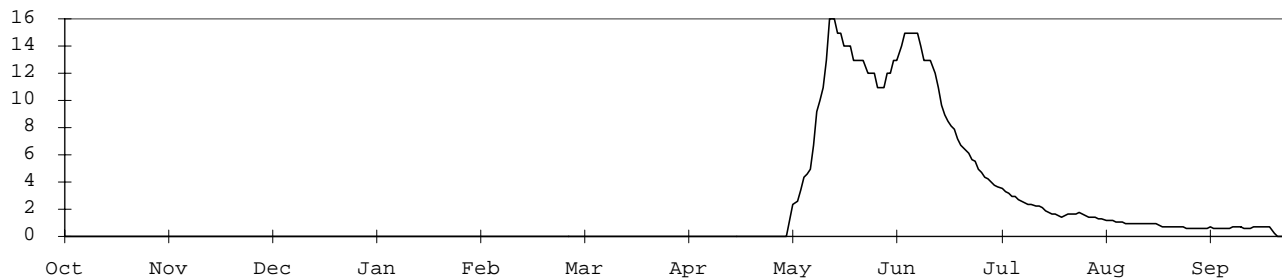
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	4.4	1.4	0.61
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	4.2	1.4	0.60
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	4.0	1.4	0.58
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	13	3.8	1.3	0.56
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	13	3.7	1.3	0.62
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	14	3.5	1.2	0.72
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	15	3.3	1.2	0.64
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	15	3.2	1.2	0.61
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	15	3.0	1.1	0.56
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	15	2.9	1.1	0.56
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	15	2.7	1.1	0.55
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	14	2.6	1.0	0.62
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	13	2.5	1.0	0.65
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	13	2.3	1.0	0.69
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	13	2.3	1.0	0.74
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	12	2.2	1.00	0.64
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	11	2.2	0.95	0.60
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	9.7	2.1	0.95	0.58
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	9.0	1.9	0.95	0.65
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	8.5	1.8	0.94	0.65
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	8.1	1.7	0.92	0.67
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	7.9	1.6	0.83	0.65
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	7.2	1.5	0.72	0.72
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	6.7	1.4	0.68	0.74
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	6.5	1.5	0.68	0.25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	6.1	1.6	0.72	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	5.7	1.6	0.70	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	5.5	1.6	0.75	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	5.0	1.8	0.68	0.0
30	0.0	0.0	0.0	0.0	0.0	---	0.0	11	4.7	1.7	0.62	0.0
31	0.0	---	0.0	0.0	---	0.0	---	11	---	1.5	0.61	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	287.4	316.6	76.1	30.42	15.51
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.27	10.6	2.45	0.98	0.52
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	570	628	151	60	31
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	15	4.4	1.4	0.74
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	1.4	0.61	0.0

CAL YR 1995 TOTAL 712.91 MEAN 1.95 MAX 19 MIN 0.00 AC-FT 1410  
WTR YR 1996 TOTAL 726.02 MEAN 1.98 MAX 16 MIN 0.00 AC-FT 1440

MAX DISCH 21 CFS AT 1715 16-MAY-1996 GH 1.23 FT. SHIFT -0.05 FT. MAX GH 1.23 FT. AT 1715 16-MAY-1996

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO

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

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

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

**REMARKS.**--Record considered good. Data taken from charts set and maintained by ditch rider. Station maintained and record developed by L.R. Schultz.

**RATING TABLE.**--WURDITCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

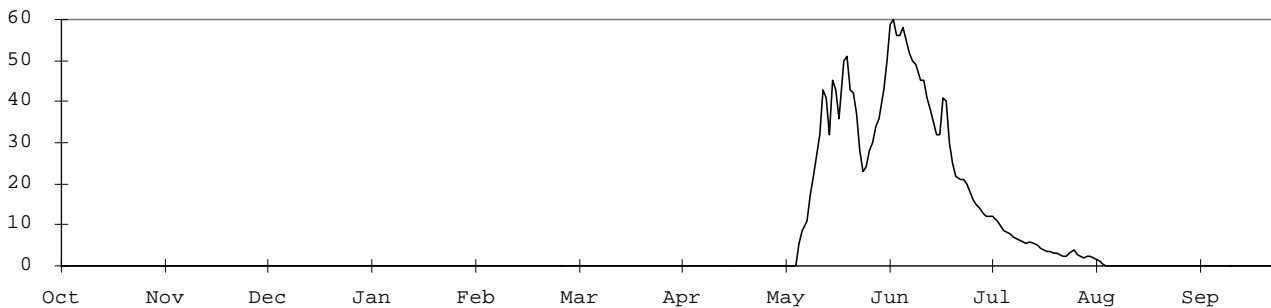
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	34	15	2.2	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	14	2.1	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	13	2.2	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	12	2.2	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	12	1.8	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	12	1.4	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	11	1.2	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	9.7	0.47	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	58	8.7	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	55	8.1	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	52	7.6	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	50	7.1	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	49	6.8	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	45	6.2	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	45	5.8	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	41	5.6	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	38	5.7	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	35	5.4	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	32	5.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	32	4.3	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	41	3.9	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	40	3.7	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	30	3.4	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	25	3.2	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	22	3.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	21	2.8	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	21	2.5	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	20	2.4	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	18	3.3	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	28	16	3.8	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	30	---	2.7	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	718.9	1180	209.7	13.57	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	39.3	6.76	0.44	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1430	2340	416	27	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	60	15	2.2	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	2.4	0.0	0.0

CAL YR 1995 TOTAL 2140.0 MEAN 5.86 MAX 94 MIN 0.00 AC-FT 4240  
WTR YR 1996 TOTAL 2122.17 MEAN 5.80 MAX 60 MIN 0.00 AC-FT 4210

MAX DISCH 75 CFS AT 1945 05-JUN-1996 GH 2.00 FT. SHIFT 0.05 FT. MAX GH 2.00 FT. AT 1945 05-JUN-1996

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





## TRANSMOUNTAIN DIVERSION TO

## ARKANSAS RIVER BASIN

## WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

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

REMARKS.--Record considered good. Data taken from chart set by ditch rider. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--WUREXD001 USED FROM 01-OCT-1995 TO 30-SEP-1996

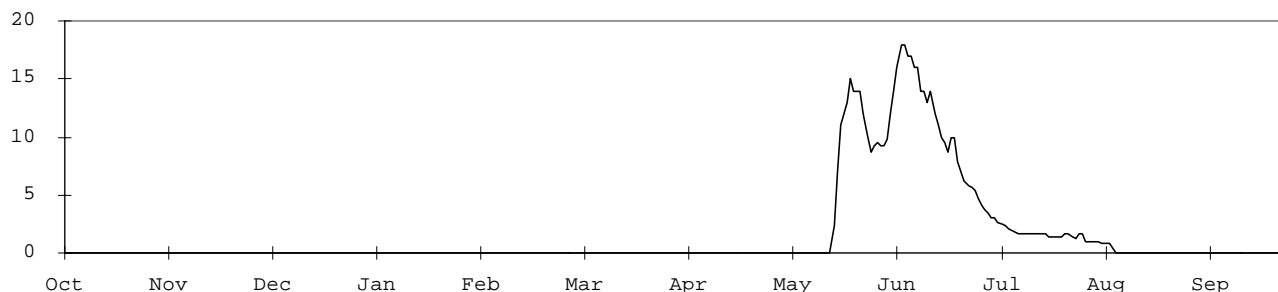
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	9.2	3.7	0.93	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	3.5	0.93	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.0	0.93	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.0	0.93	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	2.6	0.82	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	2.5	0.82	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	2.3	0.82	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	2.1	0.36	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	2.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	1.8	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	1.7	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	1.7	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	1.6	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	1.6	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	1.6	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	1.6	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	11	1.7	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	10	1.7	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	9.5	1.7	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	8.7	1.4	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	10	1.4	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	10	1.4	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	7.9	1.4	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	7.0	1.4	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	6.2	1.7	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	5.8	1.6	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	5.6	1.4	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	5.4	1.3	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	4.7	1.7	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	9.5	4.1	1.6	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	9.2	---	1.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	160.9	335.9	58.7	6.54	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.19	11.2	1.89	0.21	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	319	666	116	13	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	18	3.7	0.93	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.0	0.0	0.0

CAL YR 1995 TOTAL 603.58 MEAN 1.65 MAX 24 MIN 0.00 AC-FT 1200  
WTR YR 1996 TOTAL 562.04 MEAN 1.54 MAX 18 MIN 0.00 AC-FT 1110

MAX DISCH 24 CFS AT 1730 05-JUN-1996 GH 1.01 FT. SHIFT -0.01 FT. MAX GH 1.01 FT. AT 1730 05-JUN-1996

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09063700 HOMESTAKE TUNNEL NEAR GOLD PARK, CO

LOCATION.--Lat 39°16'52", long 106°25'56"; Homestake tunnel diverts water from Homestake Lake, in sec. 17, T. 8 S., R. 81 W., in Eagle River basin, to Lake Fork Creek in Arkansas River basin.

GAGE.--F-type water-stage recorder with satellite telemetry located on a 12' Parshall flume.

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

RATING TABLE.--HOMTUNCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

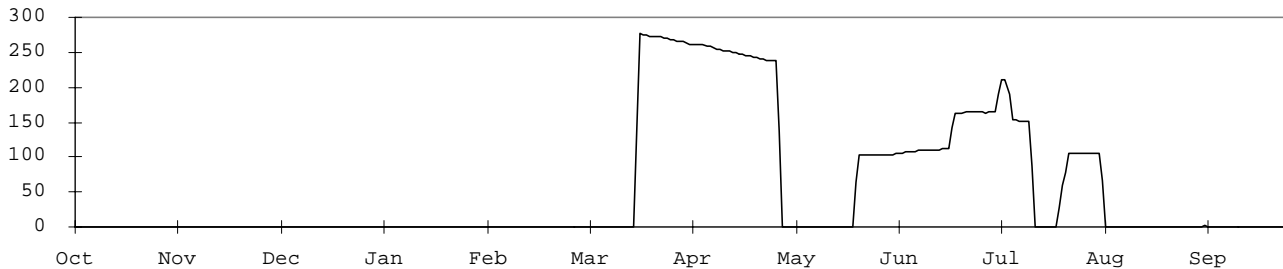
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	265	0.0	104	163	105	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	263	0.0	104	164	105	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	262	0.0	104	165	105	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	262	0.0	105	165	105	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	262	0.0	106	191	66	1.8
6	0.0	0.0	0.0	0.0	0.0	0.0	261	0.0	106	211	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	260	0.0	107	211	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	259	0.0	107	190	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	258	0.0	107	154	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	256	0.0	108	153	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	255	0.0	109	152	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	254	0.0	109	152	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	253	0.0	109	152	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	253	0.0	110	152	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	251	0.0	110	88	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	250	0.0	111	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	249	0.0	111	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	140	248	0.0	112	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	276	247	0.0	113	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	275	246	0.0	113	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	274	245	0.0	141	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	273	243	0.0	162	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	272	242	64	163	27	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	272	241	103	163	60	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	272	240	103	164	79	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	271	239	104	164	106	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	270	238	104	164	106	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	269	238	104	164	105	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	268	238	104	164	106	0.0	0.0
30	0.0	0.0	0.0	0.0	---	266	138	104	164	106	0.0	0.0
31	0.0	---	0.0	0.0	---	266	---	104	---	106	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	3664	7416	894	3778	3264	486	1.8
MEAN	0.0	0.0	0.0	0.0	0.0	118	247	28.8	126	105	15.7	0.06
AC-FT	0.0	0.0	0.0	0.0	0.0	7270	14710	1770	7490	6470	964	3.6
MAX	0.0	0.0	0.0	0.0	0.0	276	265	104	164	211	105	1.8
MIN	0.0	0.0	0.0	0.0	0.0	0.0	138	0.0	104	0.0	0.0	0.0

CAL YR 1995 TOTAL 11819 MEAN 32.4 MAX 290 MIN 0.00 AC-FT 23440  
WTR YR 1996 TOTAL 19503.8 MEAN 53.3 MAX 276 MIN 0.00 AC-FT 38690

MAX DISCH 280 CFS AT 1300 18-MAR-1996 GH 3.00 FT. SHIFT 0.06 FT. MAX GH 3.00 FT. AT 1300 18-MAR-1996

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 12' Parshall flume.

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

RATING TABLE.--TWTUNCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

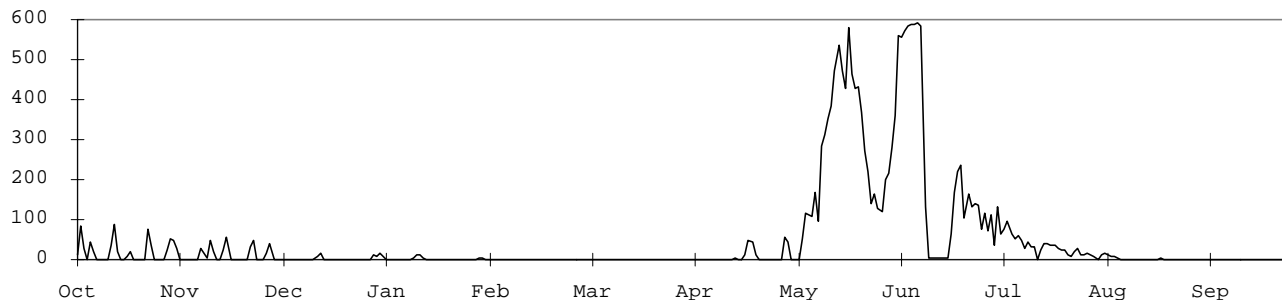
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	0.99	0.99	6.8	2.0	1.4	1.2	57	218	72	13	0.52
2	83	0.99	0.99	1.2	1.2	1.4	1.1	45	281	111	8.1	0.52
3	29	1.1	1.1	1.2	1.2	1.4	1.2	1.2	362	35	1.2	0.47
4	0.82	1.2	1.2	1.2	1.2	1.4	1.2	1.8	559	131	12	0.34
5	44	1.3	1.2	1.2	1.4	1.4	1.2	1.5	558	64	17	0.27
6	20	1.4	1.4	1.5	1.4	1.4	1.2	53	572	76	11	0.27
7	0.82	27	1.4	1.6	1.4	1.3	1.2	115	583	96	7.1	0.27
8	0.98	18	1.4	1.4	1.4	1.2	1.2	111	588	63	7.4	0.28
9	0.99	5.8	1.4	1.2	1.4	1.2	1.2	108	589	54	3.6	0.27
10	1.0	50	1.4	2.8	1.4	1.2	1.3	168	591	59	0.67	0.29
11	36	22	1.5	14	1.4	1.2	1.4	95	584	48	0.66	0.17
12	88	1.2	10	13	1.4	1.2	1.5	285	134	29	0.64	0.17
13	19	1.4	16	5.6	1.4	1.2	1.6	313	3.7	44	0.66	0.17
14	0.99	26	1.5	0.99	1.4	1.2	1.7	353	4.1	34	0.66	0.17
15	0.99	55	1.5	1.00	1.5	1.2	2.0	385	4.3	32	0.66	0.13
16	6.6	1.1	1.5	0.99	1.6	1.2	2.8	472	3.0	1.8	0.66	0.09
17	19	1.2	1.5	1.1	1.6	1.2	1.8	537	2.5	23	0.66	0.09
18	1.1	1.2	1.4	1.4	1.6	1.3	1.9	471	2.1	42	0.66	0.09
19	1.2	1.3	1.7	1.3	1.6	1.4	13	430	2.1	40	0.67	0.09
20	1.2	1.4	1.8	1.3	1.6	1.4	50	581	66	37	0.66	0.09
21	1.4	1.5	1.8	1.4	1.5	1.2	44	463	167	37	1.6	0.09
22	76	31	1.8	1.4	1.4	1.2	14	427	221	30	3.1	0.09
23	35	48	1.8	1.4	1.4	1.2	1.1	433	238	26	0.65	0.09
24	0.83	1.1	1.7	1.4	1.4	1.2	1.2	369	106	24	0.66	0.09
25	0.91	0.99	1.4	1.4	1.4	1.2	1.4	274	165	13	0.66	0.09
26	1.0	1.0	1.4	1.4	1.4	1.2	1.5	222	131	8.4	0.65	0.09
27	1.2	18	1.4	1.4	1.4	1.2	1.6	141	140	21	0.66	0.09
28	25	41	1.4	1.4	1.4	1.2	1.8	164	136	27	0.65	0.09
29	54	0.99	12	1.5	1.4	1.2	1.8	127	75	13	0.62	0.09
30	48	0.99	9.5	2.1	---	1.1	2.0	122	115	12	0.53	0.09
31	27	---	15	2.4	---	1.1	---	202	---	15	0.52	---
TOTAL	638.03	364.15	100.08	77.98	41.8	38.8	160.1	7527.5	7200.8	1318.2	97.96	5.67
MEAN	20.6	12.1	3.23	2.52	1.44	1.25	5.34	243	240	42.5	3.16	0.19
AC-FT	1270	722	199	155	83	77	318	14930	14280	2610	194	11
MAX	88	55	16	14	2.0	1.4	50	581	591	131	17	0.52
MIN	0.82	0.99	0.99	0.99	1.2	1.1	1.1	1.2	2.1	1.8	0.52	0.09

CAL YR 1995 TOTAL 17036.13 MEAN 46.7 MAX 617 MIN 0.27 AC-FT 33790  
WTR YR 1996 TOTAL 17571.08 MEAN 48.0 MAX 591 MIN 0.09 AC-FT 34850

MAX DISCH 608 CFS AT 2315 09-JUN-1996 GH 4.97 FT. SHIFT 0.00 FT. MAX GH 4.97 FT. AT 2315 09-JUN-1996

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



## TRANSMOUNTAIN DIVERSION TO

## ARKANSAS RIVER BASIN

09077160 BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE, CO

**LOCATION.**--Lat 39°16'40", long 106°25'40"; Charles H. Boustead Tunnel diverts water from the main stem and tributaries of Fryingpan River in Colorado River basin, to Lake Fork in sec. 10, T. 9 S., R. 81 W., in Arkansas River basin.

**GAGE.**--Water-stage recorder with satellite telemetry located at 15' Parshall flume.

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

**RATING TABLE.**--BOUTUNCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

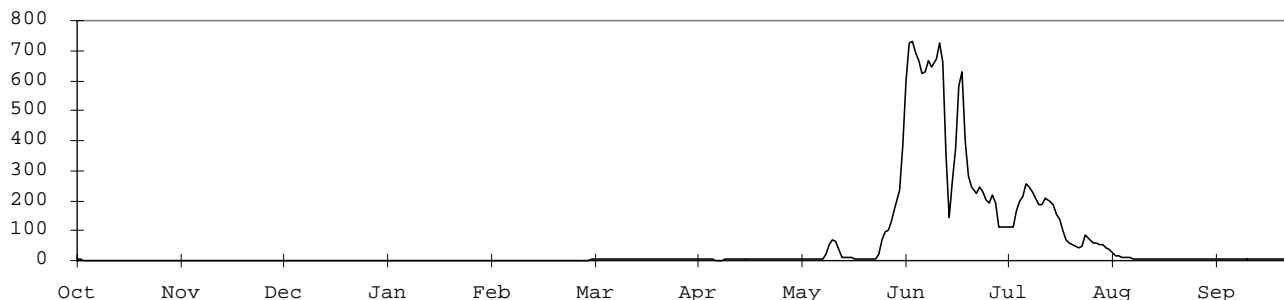
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	2.5	2.5	2.2	2.2	2.5	3.1	3.7	133	219	57	3.1
2	2.8	2.5	2.5	2.2	2.2	2.6	3.1	3.7	175	192	53	3.1
3	2.2	2.5	2.5	2.2	2.2	2.8	3.1	3.7	237	113	51	3.1
4	2.2	2.5	2.5	2.2	2.2	2.8	3.1	3.7	385	112	44	3.1
5	2.2	2.5	2.5	2.2	2.2	2.8	3.1	3.7	598	114	39	3.1
6	2.2	2.5	2.5	2.2	2.2	2.8	3.2	3.7	725	112	29	3.1
7	2.2	2.5	2.5	2.2	2.2	2.8	3.1	3.7	731	111	15	3.1
8	2.2	2.5	2.5	2.2	2.2	2.8	2.8	3.7	692	165	14	3.1
9	2.2	2.5	2.5	2.2	2.2	2.8	2.5	3.7	666	198	13	3.1
10	2.2	2.5	2.5	2.2	2.2	2.8	2.5	3.7	624	216	12	3.1
11	2.2	2.5	2.5	2.2	2.2	2.8	2.6	7.6	631	258	10	3.1
12	2.2	2.5	2.5	2.2	2.2	2.8	2.8	24	665	244	7.7	3.1
13	2.2	2.5	2.5	2.2	2.3	2.8	2.8	54	645	230	3.0	3.1
14	2.2	2.5	2.5	2.2	2.5	2.8	2.9	70	672	207	2.8	3.3
15	2.2	2.5	2.5	2.2	2.5	2.8	3.1	62	727	189	2.8	3.4
16	2.2	2.5	2.5	2.2	2.5	2.8	3.2	38	661	187	2.8	3.4
17	2.2	2.5	2.5	2.2	2.5	2.8	3.4	9.0	351	208	2.8	3.4
18	2.2	2.5	2.4	2.2	2.5	2.9	3.4	8.9	146	197	2.8	3.4
19	2.3	2.5	2.2	2.2	2.5	3.1	3.4	13	266	188	2.8	3.4
20	2.5	2.5	2.2	2.2	2.5	3.1	3.4	11	374	157	2.8	3.4
21	2.5	2.5	2.2	2.2	2.5	3.1	3.4	3.9	583	140	2.8	3.4
22	2.5	2.5	2.2	2.2	2.5	3.1	3.5	4.4	630	102	2.8	3.4
23	2.5	2.5	2.2	2.2	2.5	3.1	3.7	4.6	400	67	2.8	3.4
24	2.4	2.5	2.2	2.2	2.5	3.1	3.7	3.7	285	61	2.8	3.4
25	2.4	2.5	2.2	2.2	2.5	3.1	3.7	3.3	244	51	2.8	3.4
26	2.5	2.5	2.2	2.2	2.5	3.1	3.7	3.2	225	46	2.8	3.4
27	2.5	2.5	2.2	2.2	2.5	3.1	3.7	3.0	247	43	2.8	3.4
28	2.5	2.5	2.2	2.2	2.5	3.2	3.7	23	231	47	2.8	3.4
29	2.5	2.5	2.2	2.2	2.5	3.4	3.7	69	202	87	2.8	3.4
30	2.5	2.5	2.2	2.2	---	3.4	3.7	94	192	70	2.8	3.4
31	2.5	---	2.2	2.2	---	3.4	---	104	---	61	3.0	---
TOTAL	73.2	75.0	73.5	68.2	68.7	91.3	97.1	650.6	13343	4392	398.3	98.0
MEAN	2.36	2.50	2.37	2.20	2.37	2.95	3.24	21.0	445	142	12.8	3.27
AC-FT	145	149	146	135	136	181	193	1290	26470	8710	790	194
MAX	3.1	2.5	2.5	2.2	2.5	3.4	3.7	104	731	258	57	3.4
MIN	2.2	2.5	2.2	2.2	2.2	2.5	2.5	3.0	133	43	2.8	3.1

CAL YR 1995 TOTAL 46050.6 MEAN 126 MAX 965 MIN 1.2 AC-FT 91340  
WTR YR 1996 TOTAL 19428.9 MEAN 53.1 MAX 731 MIN 2.2 AC-FT 38540

MAX DISCH 884 CFS AT 2215 06-JUN-1996 GH 5.50 FT. SHIFT 0.00 FT. MAX GH 5.50 FT. AT 2215 06-JUN-1996

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



## TRANSMOUNTAIN DIVERSION TO

## ARKANSAS RIVER BASIN

09077500 BUSK-IVANHOE TUNNEL AT EAST PORTAL NEAR MALTA, CO

**LOCATION.**--Lat 39°14'55", long 106°28'14"; Water diverted from Ivanhoe Lake, tributary to Fryingpan River in sec. 13, T. 9 S., R. 82 W., in Roaring Fork River basin, to Busk Creek (tributary to Lake Fork) in sec. 20, T. 9 S., R. 81 W., in Arkansas River basin.

**GAGE.**--F-type water stage recorder with satellite telemetry located on an 8' Parshall flume.

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

**RATING TABLE.**--BUSTUNCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

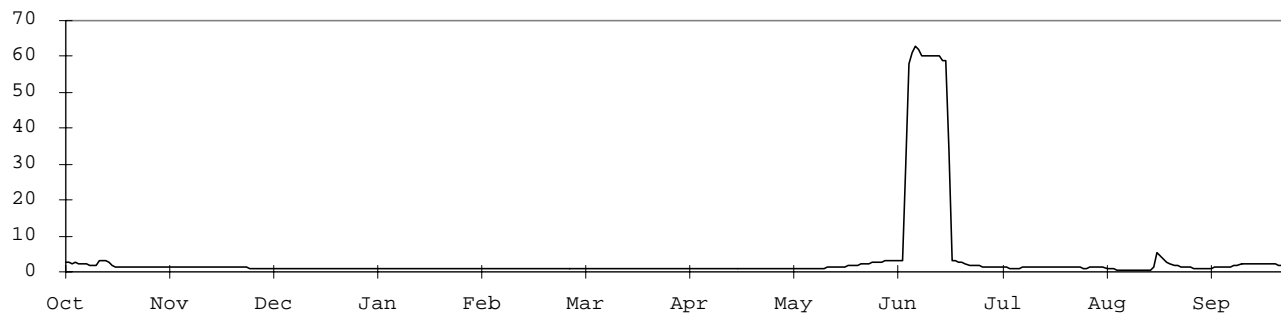
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	1.3	1.1	1.0	0.90	0.90	0.80	0.80	3.0	1.4	1.2	1.0
2	2.5	1.3	1.1	1.0	0.90	0.90	0.80	0.80	3.0	1.3	1.2	0.92
3	2.2	1.3	1.1	1.0	0.90	0.90	0.80	0.80	3.2	1.2	1.2	0.92
4	2.5	1.3	1.1	1.0	0.90	0.90	0.80	0.80	3.2	1.2	1.2	0.92
5	2.4	1.3	1.1	1.0	0.90	0.90	0.80	0.80	3.2	1.2	1.2	0.99
6	2.2	1.3	1.1	1.0	0.90	0.90	0.80	0.80	3.2	1.2	1.1	1.1
7	2.1	1.3	1.1	1.0	0.90	0.90	0.80	0.80	30	1.2	0.94	1.3
8	2.0	1.3	1.1	1.0	0.90	0.90	0.80	0.80	58	1.1	0.75	1.2
9	1.9	1.3	1.1	1.0	0.90	0.90	0.80	0.90	61	1.1	0.55	1.2
10	1.6	1.3	1.1	1.0	0.90	0.90	0.80	0.90	63	1.1	0.55	1.2
11	3.1	1.3	1.1	1.0	0.90	0.90	0.80	0.90	62	1.1	0.55	1.2
12	3.0	1.3	1.0	1.0	0.90	0.90	0.80	1.0	60	1.2	0.55	1.4
13	3.0	1.3	1.0	1.0	0.90	0.90	0.80	1.0	60	1.2	0.55	1.7
14	2.8	1.3	1.0	1.0	0.90	0.90	0.80	1.0	60	1.3	0.55	1.7
15	1.8	1.3	1.0	1.0	0.90	0.90	0.80	1.2	60	1.2	0.55	2.2
16	1.3	1.2	1.0	0.90	0.90	0.90	0.80	1.2	60	1.3	0.55	2.2
17	1.4	1.2	1.0	0.90	0.90	0.90	0.80	1.2	60	1.3	0.55	2.2
18	1.4	1.2	1.0	0.90	0.90	0.90	0.80	1.4	59	1.4	0.47	2.3
19	1.3	1.2	1.0	0.90	0.90	0.90	0.80	1.4	59	1.4	0.45	2.4
20	1.3	1.2	1.0	0.90	0.90	0.90	0.80	1.4	34	1.4	1.3	2.4
21	1.3	1.2	1.0	0.90	0.90	0.90	0.80	1.6	3.1	1.4	5.4	2.2
22	1.3	1.2	1.0	0.90	0.90	0.90	0.80	1.6	3.0	1.4	4.4	2.2
23	1.3	1.2	1.0	0.90	0.90	0.90	0.80	1.8	2.8	1.3	3.4	2.2
24	1.3	1.2	1.0	0.90	0.90	0.90	0.80	1.8	2.5	1.4	2.7	2.2
25	1.3	1.1	1.0	0.90	0.90	0.90	0.80	2.2	2.3	1.3	2.2	2.2
26	1.3	1.1	1.0	0.90	0.90	0.90	0.80	2.2	2.0	1.2	1.8	2.0
27	1.3	1.1	1.0	0.90	0.90	0.90	0.80	2.4	1.8	1.2	1.6	2.0
28	1.3	1.1	1.0	0.90	0.90	0.90	0.80	2.5	1.8	1.2	1.4	2.0
29	1.3	1.1	1.0	0.90	0.90	0.90	0.80	2.5	1.6	1.2	1.3	2.0
30	1.3	1.1	1.0	0.90	---	0.90	0.80	2.6	1.4	1.1	1.2	2.0
31	1.3	---	1.0	0.90	---	0.90	---	2.8	---	1.1	1.2	---
TOTAL	56.9	36.9	32.1	29.40	26.10	27.90	24.00	43.90	827.1	38.6	42.56	51.45
MEAN	1.84	1.23	1.04	0.95	0.90	0.90	0.80	1.42	27.6	1.25	1.37	1.71
AC-FT	113	73	64	58	52	55	48	87	1640	77	84	102
MAX	3.1	1.3	1.1	1.0	0.90	0.90	0.80	2.8	63	1.4	5.4	2.4
MIN	1.3	1.1	1.0	0.90	0.90	0.90	0.80	0.80	1.4	1.1	0.45	0.92

CAL YR 1995 TOTAL 3105.65 MEAN 8.51 MAX 57 MIN 0.30 AC-FT 6160  
WTR YR 1996 TOTAL 1236.90 MEAN 3.38 MAX 63 MIN 0.45 AC-FT 2450

MAX DISCH 62 CFS AT 1630 10-JUN-1996 GH 1.50 FT. SHIFT 0.00 FT. MAX GH 1.50 FT. AT 1630 10-JUN-1996

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



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO

**LOCATION.**--Lat 38°23'00", long 106°15'00", diverts water from tributaries of Tomichi Creek between headgates (in sec. 11, T.48 N., R.6 E., and sec. 1, T.47 N., R.6 E.), and Marshall Pass, in Gunnison River basin, to Poncha Creek (tributary to South Arkansas River) in SE¼ sec. 24, T.48 N., R.6 E., in Arkansas River basin.

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

**GAGE.**--Water-stage recorder at 4' Parshall flume.

**REMARKS.**--Some data missing. Record was completed by estimates in periods of no record. Station maintained and record developed by Bruce Smith and L.R. Schultz.

**RATING TABLE.**--LARDITCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

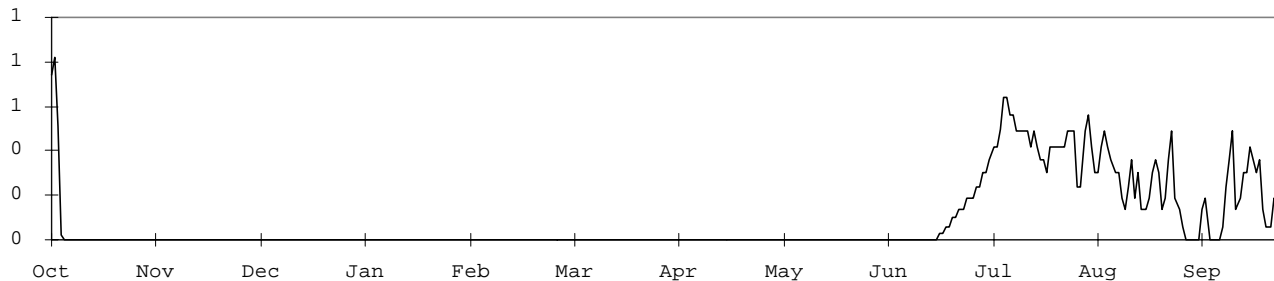
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	0.0	0.24	0.24	0.0
2	0.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.49	0.0
3	0.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.56	0.0
4	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.42	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.30	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.30	0.14
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.42	0.19
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.49	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.64	0.42	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.64	0.36	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.30	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.30	0.06
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.19	0.24
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.14	0.36
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.24	0.49
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.36	0.14
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.19	0.19
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.30	0.30
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.14	0.30
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.36	0.14	0.42
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.36	0.19	0.36
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.30	0.30	0.30
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	0.42	0.36	0.36
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.42	0.30	0.14
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.42	0.14	0.06
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.42	0.19	0.06
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.42	0.36	0.19
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.49	0.49	0.14
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.49	0.19	0.14
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.19	0.49	0.14	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.24	0.06	---
TOTAL	2.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23	13.30	9.02	4.58
MEAN	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.43	0.29	0.15
AC-FT	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	26	18	9.1
MAX	0.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.64	0.56	0.49
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.06	0.0

CAL YR 1995 TOTAL 138.72 MEAN 0.38 MAX 3.9 MIN 0.00 AC-FT 275  
WTR YR 1996 TOTAL 30.22 MEAN 0.08 MAX 0.82 MIN 0.00 AC-FT 60

MAX DISCH 0.00 CFS AT 0015 01-OCT-1995 GH 0.21 FT. SHIFT -0.06 FT. MAX GH 0.32 FT. AT 0645 02-OCT-1995

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



RIO GRANDE BASIN

08213500 RIO GRANDE AT THIRTYMILE BRIDGE, NEAR CREEDE, CO

**LOCATION.**--Lat 37°43'30", long 107°15'18", in NE¼ sec. 13, T.40 N., R.4 W., Hinsdale County, Hydrologic Unit 13010001, on right bank 70 ft downstream from bridge, 500 ft upstream from Squaw Creek, 0.7 mi downstream from Rio Grande Reservoir, and 20 mi southwest of Creede.

**DRAINAGE AREA.**--163 mi².

**GAGE.**--Water-stage recorder with satellite telemetry in a timber shelter and metal well. Elevation of gage is 9,300 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable except for Nov. 8, 1995-Mar. 12, 1996 when the station was closed for the winter, and May 22-23, 1996, due to a combination of pile-up and drawdown effect on the stilling well caused by flushing the inlets during high flow. Record good except for periods of no gage-height record which are fair. Station maintained and record developed by Div. III Hydrographic Staff.

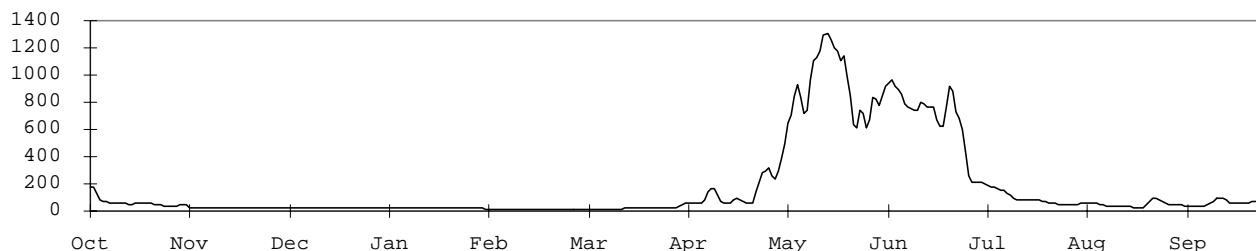
**RATING TABLE.**--RIOMILCO12 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	182	28	19	18	17	17	35	231	822	209	46	46
2	182	19	19	18	17	17	51	293	776	209	46	46
3	125	19	19	18	17	17	54	392	843	208	47	46
4	82	19	19	18	17	17	54	499	915	206	53	46
5	76	19	19	18	17	17	54	644	940	197	56	37
6	69	19	19	18	17	17	54	711	959	193	56	35
7	63	19	19	18	17	17	54	844	923	182	56	35
8	63	19	19	18	17	17	53	926	893	177	55	35
9	63	19	19	18	17	17	83	838	853	159	54	35
10	57	19	19	18	17	17	141	714	789	150	50	35
11	53	19	19	18	17	17	170	743	761	150	46	35
12	53	19	19	18	17	17	166	963	758	134	40	46
13	52	19	19	18	17	17	118	1110	743	113	36	63
14	52	19	19	18	17	17	72	1130	747	98	36	69
15	55	19	19	18	17	18	58	1180	796	86	34	90
16	57	19	19	18	17	18	53	1290	789	82	33	100
17	57	19	19	18	17	18	58	1300	768	82	31	100
18	57	19	19	18	17	18	80	1260	760	82	30	81
19	57	19	19	18	17	18	90	1200	760	82	30	61
20	57	19	19	18	17	18	85	1180	674	82	29	53
21	52	19	19	18	17	18	69	1110	625	82	29	54
22	48	19	19	18	17	18	59	1140	622	81	29	54
23	43	19	19	18	17	18	55	994	768	69	29	54
24	38	19	18	18	17	18	53	846	920	67	47	54
25	38	19	18	18	17	18	144	638	882	64	71	57
26	38	19	18	18	17	18	208	611	731	63	91	71
27	38	19	18	18	17	18	282	743	677	56	97	76
28	38	19	18	18	17	18	291	723	600	49	82	75
29	44	19	18	18	17	18	323	606	432	46	67	71
30	47	19	18	18	---	18	258	673	255	46	53	69
31	47	---	18	18	---	18	---	832	---	46	46	---
TOTAL	1983	579	581	558	493	544	3325	26364	22781	3550	1505	1729
MEAN	64.0	19.3	18.7	18.0	17.0	17.5	111	850	759	115	48.5	57.6
AC-FT	3930	1150	1150	1110	978	1080	6600	52290	45190	7040	2990	3430
MAX	182	28	19	18	17	18	323	1300	959	209	97	100
MIN	38	19	18	18	17	17	35	231	255	46	29	35
CAL YR 1995 TOTAL		88084.1	MEAN	241	MAX	1870	MIN	3.0	AC-FT	174700		
WTR YR 1996 TOTAL		63992	MEAN	175	MAX	1300	MIN	17	AC-FT	126900		

MAX DISCH 1340 CFS AT 0700 16-MAY-1996 GH 3.72 FT. SHIFT 0.07 FT. MAX GH 3.72 FT. AT 0700 16-MAY-1996

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



## RIO GRANDE BASIN

08214500 NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO

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

**DRAINAGE AREA.**--51.7 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite monitoring at a concrete control. Elevation of gage is 10,200 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable except for Nov. 8, 1995-Apr. 10, 1996 when the station was closed for the winter. Record is good except for periods of no gage-height record which is fair to poor. Station maintained and record developed by Div. III Hydrographic staff.

**RATING TABLE.**--NCLCONCO20 USED FROM 01-OCT-1995 TO 30-SEP-1996

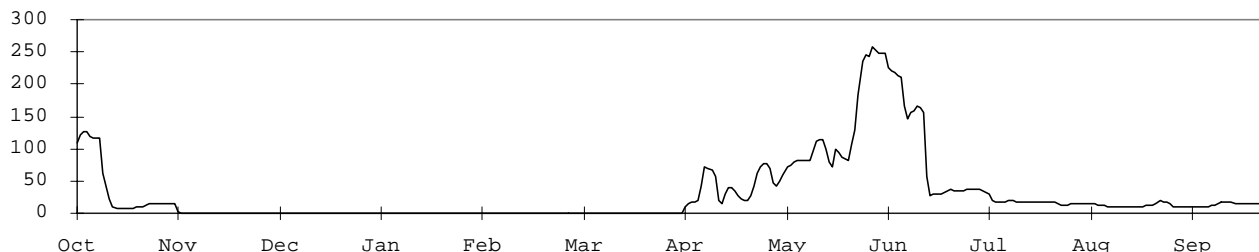
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	3.4	0.35	0.40	0.45	0.50	0.55	47	253	37	15	11
2	121	0.41	0.35	0.40	0.45	0.50	0.55	41	249	37	15	11
3	127	0.35	0.35	0.40	0.45	0.50	0.55	50	249	36	16	11
4	126	0.35	0.35	0.40	0.45	0.50	10	59	247	35	16	11
5	120	0.35	0.35	0.40	0.45	0.50	15	72	225	33	16	10
6	117	0.41	0.35	0.40	0.45	0.50	17	74	220	29	16	9.6
7	116	0.35	0.35	0.40	0.45	0.50	18	79	218	21	15	9.6
8	116	0.35	0.35	0.40	0.45	0.50	21	81	214	18	12	9.6
9	63	0.35	0.40	0.40	0.50	0.50	43	81	210	18	12	9.6
10	41	0.35	0.40	0.45	0.50	0.55	71	82	166	18	12	9.6
11	22	0.35	0.40	0.45	0.50	0.55	69	82	147	18	11	9.6
12	11	0.35	0.40	0.45	0.50	0.55	68	83	155	20	9.1	12
13	7.6	0.35	0.40	0.45	0.50	0.55	56	97	158	20	9.1	13
14	6.8	0.35	0.40	0.45	0.50	0.55	19	112	165	18	9.4	15
15	6.8	0.35	0.40	0.45	0.50	0.55	15	113	163	18	9.6	17
16	6.8	0.35	0.40	0.45	0.50	0.55	29	113	157	18	9.6	17
17	6.8	0.35	0.40	0.45	0.50	0.55	39	98	56	18	9.6	17
18	8.3	0.35	0.40	0.45	0.50	0.55	39	79	28	18	9.6	18
19	9.1	0.35	0.40	0.45	0.50	0.55	35	73	30	18	9.6	16
20	9.1	0.35	0.40	0.45	0.50	0.55	28	98	30	18	9.6	15
21	11	0.35	0.40	0.45	0.50	0.55	22	94	30	18	9.6	15
22	13	0.35	0.40	0.45	0.50	0.55	19	87	31	18	11	15
23	14	0.35	0.40	0.45	0.50	0.55	19	85	35	18	12	15
24	14	0.35	0.40	0.45	0.50	0.55	27	83	36	18	12	15
25	14	0.35	0.40	0.45	0.50	0.55	43	107	35	18	12	15
26	14	0.35	0.40	0.45	0.50	0.55	61	130	34	17	16	15
27	14	0.35	0.40	0.45	0.50	0.55	72	184	34	14	19	16
28	14	0.35	0.40	0.45	0.50	0.55	76	235	34	13	18	15
29	14	0.35	0.40	0.45	0.50	0.55	78	245	38	13	18	15
30	14	0.35	0.40	0.45	---	0.55	69	243	37	13	14	15
31	14	---	0.40	0.45	---	0.55	---	257	---	14	11	---
TOTAL	1300.3	13.67	12.00	13.50	14.10	16.60	1079.65	3364	3684	640	393.8	402.6
MEAN	41.9	0.46	0.39	0.44	0.49	0.54	36.0	109	123	20.6	12.7	13.4
AC-FT	2580	27	24	27	28	33	2140	6670	7310	1270	781	799
MAX	127	3.4	0.40	0.45	0.50	0.55	78	257	253	37	19	18
MIN	6.8	0.35	0.35	0.40	0.45	0.50	0.55	41	28	13	9.1	9.6

CAL YR 1995 TOTAL 14745.13 MEAN 40.4 MAX 315 MIN 0.20 AC-FT 29250  
WTR YR 1996 TOTAL 10934.22 MEAN 29.9 MAX 257 MIN 0.35 AC-FT 21690

MAX DISCH 264 CFS AT 2130 31-MAY-1996 GH 2.45 FT. SHIFT 0.01 FT. MAX GH 2.45 FT. AT 2130 31-MAY-1996

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





## RIO GRANDE BASIN

08218500 GOOSE CREEK AT WAGONWHEEL GAP, CO

**LOCATION.**--Lat 37°45'07", long 106°49'46", in SW¼SE¼ sec. 35, T.41 N., R.1 E., Mineral County, Hydrologic Unit 13010001, on left bank 0.2 mi downstream from Pierce Creek, 1.0 mi upstream from mouth, 1.0 mi south of Wagonwheel Gap, and 8.8 mi southeast of Creede.

**DRAINAGE AREA.**--90 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: Oct. 1-30; Nov. 20-21, 23-Dec. 20, 1995 when clock stopped; Nov. 11-12, 1995; Mar. 14, 1996 when well frozen; Dec. 21-1995-Mar. 12, 1996 when station closed for the winter; Mar. 18-Apr. 5, 1996 when float sank; Apr. 6-23; July 7-17, 21-25, 30-31; Aug. 1-9, 13-28, 1996 when pen was not working. Record good except for periods of no gage-height record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

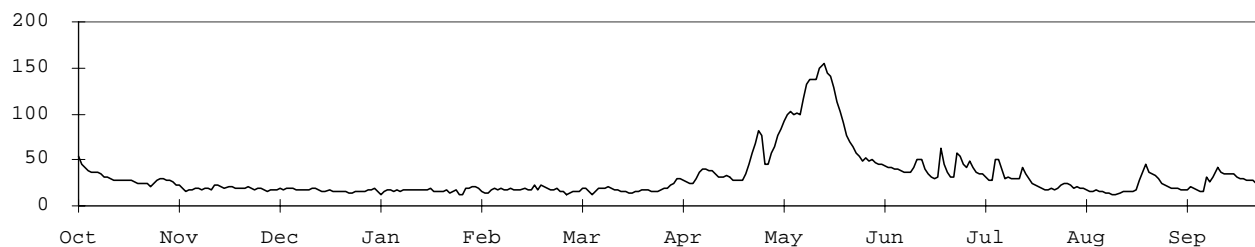
**RATING TABLE.**--GOOWAGCO09 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	23	18	16	19	15	25	58	51	49	22	20
2	45	20	19	13	16	15	29	64	47	41	20	20
3	42	16	18	16	14	16	30	76	45	36	21	19
4	39	18	20	18	14	20	28	83	45	35	20	18
5	36	18	20	17	17	20	26	92	44	35	20	17
6	36	19	19	15	19	16	25	99	42	31	17	18
7	36	19	18	17	17	13	25	103	42	28	15	21
8	34	18	18	16	19	16	30	99	40	28	16	19
9	31	19	18	17	17	19	36	101	40	50	17	17
10	31	20	17	18	18	19	40	99	39	50	16	16
11	29	18	17	18	19	20	40	116	37	40	15	16
12	28	22	19	17	17	21	38	133	36	30	14	32
13	28	23	20	17	17	20	38	138	37	32	14	26
14	28	21	17	17	17	17	34	138	42	30	13	31
15	28	20	15	17	19	18	32	138	51	30	13	42
16	28	21	16	18	17	16	32	149	51	30	14	36
17	27	21	17	19	18	15	33	155	40	41	16	34
18	26	19	16	15	22	14	31	144	35	35	16	35
19	25	20	16	16	18	14	28	141	31	30	16	34
20	24	20	16	15	22	15	28	128	30	25	16	34
21	24	20	16	15	21	16	28	113	32	22	18	32
22	24	21	16	18	20	18	28	103	63	21	28	30
23	21	20	14	14	17	18	34	90	46	19	37	29
24	24	18	14	15	17	17	46	77	36	18	45	28
25	27	19	15	18	20	16	58	70	32	18	37	28
26	29	20	15	13	16	16	68	64	31	19	34	28
27	30	17	15	12	15	16	81	58	58	17	33	25
28	28	16	16	20	13	18	76	54	54	19	30	24
29	28	18	17	20	14	20	46	49	45	23	25	24
30	26	18	17	21	---	20	46	52	42	25	23	23
31	23	---	19	21	---	22	---	49	---	24	21	---
TOTAL	939	582	528	519	509	536	1139	3033	1264	931	662	776
MEAN	30.3	19.4	17.0	16.7	17.6	17.3	38.0	97.8	42.1	30.0	21.4	25.9
AC-FT	1860	1150	1050	1030	1010	1060	2260	6020	2510	1850	1310	1540
MAX	54	23	20	21	22	22	81	155	63	50	45	42
MIN	21	16	14	12	13	13	25	49	30	17	13	16
CAL YR 1995 TOTAL	30742		MEAN	84.2	MAX	682	MIN	14	AC-FT	60980		
WTR YR 1996 TOTAL	11418		MEAN	31.2	MAX	155	MIN	12	AC-FT	22650		

MAX DISCH 218 CFS AT 0030 17-MAY-1996 GH 3.22 FT. SHIFT 0.06 FT. MAX GH 3.22 FT. AT 0030 17-MAY-1996

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



RIO GRANDE BASIN

08219500 SOUTH FORK RIO GRANDE AT SOUTH FORK, CO

**LOCATION.**--Lat 37°39'25", long 106°38'55", in SW¼SE¼ sec. 3, T.39 N., R.3 E., Rio Grande County, Hydrologic Unit 13010001, on left bank near U.S. Highway 160, 0.1 mile downstream from Church Creek, 0.9 mi southwest of village of South Fork, and 1.5 mi upstream from mouth.

**DRAINAGE AREA.**--216 mi².

**GAGE.**--Water-stage recorder with satellite telemetry in a timber shelter and metal pipe well. Datum of gage is 8,221.79 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is complete and reliable except for Dec. 21, 1995 through Mar. 12, 1996 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 11, 12, 27-30, and Dec. 1-3, 10-12, 15-20, 1995. Record is good except for periods of no gage-height record and ice effect which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

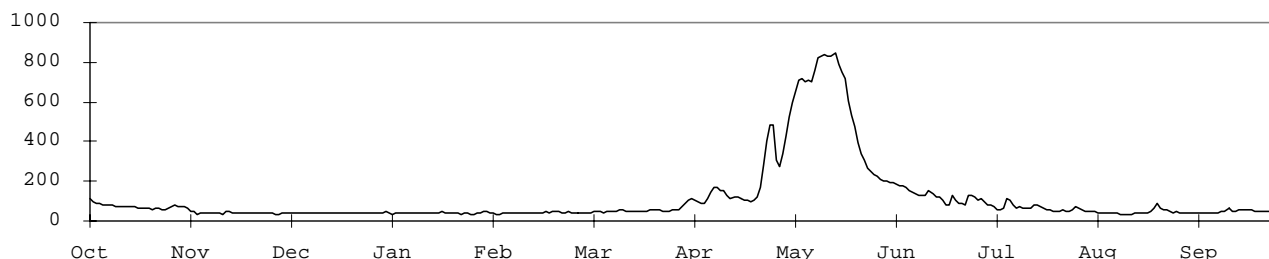
**RATING TABLE.**--RIOSFKCO9 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	45	40	41	42	43	88	342	205	110	58	40
2	100	45	40	35	38	43	106	424	202	93	50	40
3	91	35	40	40	36	44	110	524	196	83	49	40
4	87	38	43	44	36	50	101	600	191	78	48	40
5	81	42	43	43	42	50	97	657	185	71	47	43
6	80	44	41	39	42	45	89	708	181	58	41	43
7	80	43	42	42	42	42	91	717	178	55	39	44
8	78	40	40	40	42	45	110	699	166	62	37	43
9	74	41	41	42	42	48	145	710	156	114	40	42
10	75	43	42	44	42	50	167	703	146	106	42	39
11	73	36	42	44	41	52	168	758	137	80	40	38
12	71	46	42	43	41	54	150	819	132	66	38	42
13	73	47	43	43	41	53	150	829	130	71	35	45
14	69	44	43	43	42	51	128	835	132	65	33	50
15	69	42	40	43	43	49	115	830	154	62	31	61
16	68	43	41	43	42	49	118	831	138	62	34	51
17	67	43	42	45	43	48	123	844	123	84	40	48
18	65	42	41	38	47	47	113	787	118	83	38	54
19	63	43	41	41	43	48	102	751	103	71	37	58
20	60	43	41	38	48	50	101	721	83	62	37	56
21	61	43	41	38	48	54	99	605	80	58	41	54
22	62	44	41	42	47	59	102	532	128	53	51	53
23	53	42	37	36	43	60	121	473	108	50	62	50
24	60	39	37	39	43	55	170	396	87	46	85	49
25	68	41	38	42	49	52	283	340	86	47	62	48
26	75	42	40	33	43	50	402	306	83	54	55	50
27	79	36	40	32	41	52	482	265	131	50	53	47
28	70	34	41	43	39	56	481	253	131	49	48	46
29	72	39	43	43	40	60	308	234	122	56	44	44
30	70	39	43	45	---	59	277	229	104	71	46	43
31	62	---	46	45	---	69	---	209	---	68	42	---
TOTAL	2272	1244	1275	1269	1228	1587	5097	17931	4116	2138	1403	1401
MEAN	73.3	41.5	41.1	40.9	42.3	51.2	170	578	137	69.0	45.3	46.7
AC-FT	4510	2470	2530	2520	2440	3150	10110	35570	8160	4240	2780	2780
MAX	116	47	46	45	49	69	482	844	205	114	85	61
MIN	53	34	37	32	36	42	88	209	80	46	31	38
CAL YR 1995 TOTAL		107085	MEAN	293	MAX	2330	MIN	34	AC-FT	212400		
WTR YR 1996 TOTAL		40961	MEAN	112	MAX	844	MIN	31	AC-FT	81250		

MAX DISCH 990 CFS AT 2215 16-MAY-1996 GH 4.19 FT. SHIFT 0.06 FT. MAX GH 4.19 FT. AT 2215 16-MAY-1996

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



RIO GRANDE BASIN

08220000 RIO GRANDE NEAR DEL NORTE, CO

**LOCATION.**--Lat 37°41'22", long 106°27'38", in NW¼ sec. 29, T.40 N., R.5 E., Rio Grande County, Hydrologic Unit 13010001, on right bank 20 ft downstream from county highway bridge, 6.0 mi west of Del Norte, and 5 mi upstream from Pinos Creek.

**DRAINAGE AREA.**--1,320 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.**--Record is complete and reliable except for Aug. 22, 1996 when an inlet was added to the station and riprap was replaced. Stage-discharge relation affected by ice Dec. 11, 21, 1995-Feb. 19, 28-29, 1996. Record is good except for periods of no gage height and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--RIODELCO03 USED FROM 01-OCT-1995 TO 30-SEP-1996

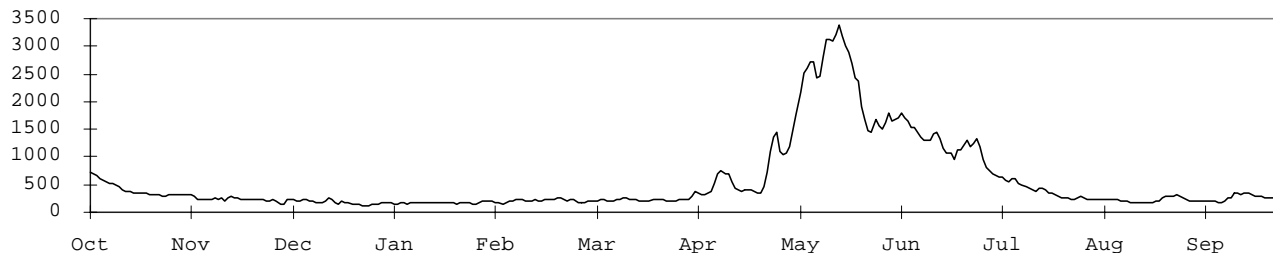
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	718	304	219	160	190	191	231	1060	1780	819	241	205
2	688	291	217	150	170	200	284	1200	1640	751	221	205
3	672	229	206	150	160	203	378	1470	1690	701	235	213
4	615	219	214	170	150	215	357	1770	1720	666	242	212
5	567	226	228	170	170	225	331	2180	1780	650	239	211
6	538	236	238	150	190	217	320	2510	1710	627	223	206
7	529	242	211	160	200	191	340	2610	1650	588	219	206
8	511	246	209	160	220	205	384	2720	1540	561	217	206
9	503	241	185	180	220	212	516	2730	1520	615	231	195
10	465	265	178	170	220	231	705	2440	1440	600	230	187
11	419	212	186	160	210	243	766	2460	1350	525	215	178
12	390	254	209	160	200	261	695	2810	1310	484	200	200
13	365	287	247	170	210	259	680	3130	1290	472	193	269
14	355	267	227	170	220	223	545	3130	1310	430	180	269
15	350	249	179	170	210	228	434	3090	1410	393	170	346
16	348	243	150	180	210	221	395	3210	1460	375	168	348
17	343	241	193	180	220	216	390	3380	1320	424	167	331
18	335	230	175	160	235	195	401	3180	1170	431	170	338
19	329	227	161	160	230	190	404	3010	1080	398	165	359
20	315	230	146	170	241	203	393	2880	1060	360	162	318
21	312	226	150	150	260	218	384	2700	966	342	168	299
22	320	223	140	170	264	231	351	2420	1140	318	189	296
23	296	225	130	160	225	243	349	2360	1140	292	202	286
24	292	200	130	160	209	226	449	1920	1210	268	271	273
25	312	205	130	180	224	200	710	1690	1310	254	302	269
26	319	231	150	150	217	202	1090	1470	1200	261	294	269
27	330	212	150	140	185	198	1360	1450	1240	244	302	271
28	312	147	150	180	175	208	1460	1680	1320	238	321	275
29	319	158	180	200	185	224	1100	1570	1180	246	287	269
30	324	227	180	200	---	218	1030	1510	949	285	257	260
31	329	---	180	210	---	217	---	1610	---	262	227	---
TOTAL	12820	6993	5648	5200	6020	6714	17232	71350	40885	13880	6908	7769
MEAN	414	233	182	168	208	217	574	2302	1363	448	223	259
AC-FT	25430	13870	11200	10310	11940	13320	34180	141500	81100	27530	13700	15410
MAX	718	304	247	210	264	261	1460	3380	1780	819	321	359
MIN	292	147	130	140	150	190	231	1060	949	238	162	178

CAL YR 1995 TOTAL 419169 MEAN 1148 MAX 6370 MIN 130 AC-FT 831400  
WTR YR 1996 TOTAL 201419 MEAN 550 MAX 3380 MIN 130 AC-FT 399500

MAX DISCH 3760 CFS AT 0600 17-MAY-1996 GH 3.72 FT. SHIFT 0.05 FT. MAX GH 3.72 FT. AT 0600 17-MAY-1996

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



RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO

**LOCATION.**--Lat 37°35'30", long 106°27'05", in SW¼SE¼ sec. 29, T.39 N., R.5 E., Rio Grande County, Hydrologic Unit 13010002, on left bank 90 ft. downstream from Bennett Creek and 8.0 mi. southwest of Del Norte, Co.

**DRAINAGE AREA.**--53 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.**-- Record is complete and reliable except for Nov. 28 through Dec. 20, 1995 and Mar. 18-28, 1996 when the well was frozen; Dec. 21, 1995 through Mar. 15, 1996 when the station was closed for the winter; and Jun. 25, 1996 when both recorders were not working properly. Stage-discharge relation was affected by ice Oct. 23, Nov. 3-5, 7, 11-12, 24-25, 27, 1995. Also, there is a special note on May 3-4, 10-18, 1996 when there was a hydraulic anomaly and the gage heights were not representative of the flow. Record is good except for periods of no gage-height and ice affected record which are fair to poor. Station maintained and record developed by Div. III Staff.

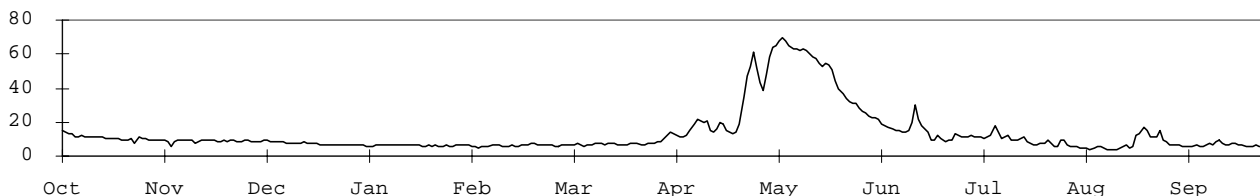
**RATING TABLE.**--PINDELCO14 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	9.2	9.0	6.0	6.2	6.2	12	48	24	11	5.5	6.4
2	14	8.6	9.0	5.6	5.6	6.4	14	58	23	12	5.4	6.4
3	13	5.3	8.6	6.0	5.2	6.4	13	64	23	11	5.3	6.3
4	13	8.7	8.6	6.6	5.0	7.0	12	65	22	11	5.0	6.0
5	11	9.6	8.6	6.6	5.4	7.2	11	68	19	11	4.7	5.9
6	11	9.6	8.4	6.2	5.8	6.6	11	70	18	10	4.3	5.9
7	12	9.1	8.2	6.4	5.8	5.8	12	68	17	11	4.1	6.1
8	11	9.0	7.8	6.4	6.4	6.4	15	65	16	12	4.9	6.3
9	11	9.3	7.8	6.8	6.4	7.0	19	63	15	18	5.4	5.9
10	11	8.0	7.8	6.6	6.4	7.2	22	63	15	14	5.2	5.6
11	11	8.3	7.8	6.2	6.0	7.4	21	62	14	10	4.4	6.4
12	11	9.1	7.8	6.2	5.8	7.4	20	63	14	11	4.0	7.2
13	11	9.5	8.2	6.4	5.8	7.0	21	62	15	12	4.0	6.9
14	10	9.4	7.8	6.6	6.4	7.2	15	60	20	9.8	3.8	8.4
15	10	9.1	7.6	6.4	6.0	7.2	14	58	30	9.1	4.2	9.2
16	10	9.1	7.2	6.8	6.0	7.2	16	57	22	9.0	4.7	7.5
17	10	8.6	7.4	6.8	6.4	7.0	20	55	18	10	5.7	6.6
18	10	8.4	7.0	6.0	6.8	6.8	19	53	16	11	6.2	7.0
19	9.8	9.2	7.0	6.0	6.4	6.6	15	55	14	8.6	4.9	7.2
20	9.1	8.8	7.0	6.4	7.4	7.0	14	54	9.6	7.3	5.2	7.2
21	9.7	9.4	7.0	5.8	7.4	7.4	13	51	9.6	6.8	12	6.6
22	9.9	9.4	6.8	6.2	7.0	7.8	14	44	12	6.6	13	6.3
23	7.5	8.9	6.4	6.0	6.4	7.4	19	40	10	7.2	17	6.0
24	11	8.3	6.4	6.0	6.4	7.0	35	37	8.3	7.2	15	6.0
25	10	9.1	6.4	6.4	7.0	6.6	47	34	9.0	9.6	11	6.0
26	10	9.2	6.6	5.8	6.4	7.2	53	32	9.3	7.6	11	6.5
27	9.7	8.3	6.6	5.2	6.0	7.2	61	31	13	5.6	11	5.8
28	9.4	8.3	6.6	6.2	5.6	7.6	52	31	12	5.8	15	6.1
29	9.7	8.6	7.0	6.6	6.2	8.6	43	28	11	9.1	9.8	6.2
30	9.2	8.8	7.0	6.6	---	8.7	39	26	11	9.1	8.9	6.0
31	9.0	---	7.0	6.8	---	10	---	25	---	6.3	6.9	---
TOTAL	329.0	264.2	232.4	194.6	179.6	222.5	692	1590	469.8	299.7	227.5	195.9
MEAN	10.6	8.81	7.50	6.28	6.19	7.18	23.1	51.3	15.7	9.67	7.34	6.53
AC-FT	653	524	461	386	356	441	1370	3150	932	594	451	389
MAX	15	9.6	9.0	6.8	7.4	10	61	70	30	18	17	9.2
MIN	7.5	5.3	6.4	5.2	5.0	5.8	11	25	8.3	5.6	3.8	5.6
CAL YR 1995 TOTAL	15042.2	MEAN	41.2	MAX	273	MIN	5.3	AC-FT	29840			
WTR YR 1996 TOTAL	4897.2	MEAN	13.4	MAX	70	MIN	3.8	AC-FT	9710			

MAX DISCH 96 CFS AT 2115 05-MAY-1996 GH 1.30 FT. SHIFT 0.04 FT. MAX GH 1.50 FT. AT 2200 27-APR-1996

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



RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO

**LOCATION.**--Lat 37°36'34", long 106°08'52", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 50 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

**DRAINAGE AREA.**--1,590 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, 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: Jan. 5-Feb. 16, 1996 when the station was closed for the winter; Stage-discharge relation affected by ice Dec. 22-31, 1995; Jan. 1-4; Feb. 17-19, 1996. Record is good except for periods of ice affected record and no gage-height record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--RIOMONCO17 USED FROM 01-OCT-1995 TO 30-SEP-1996

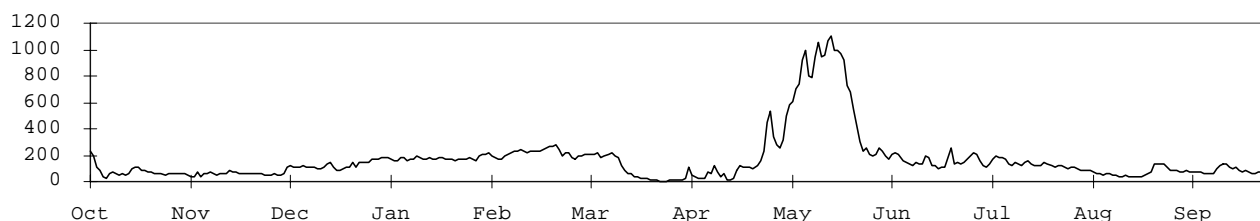
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	225	36	104	185	215	196	11	252	257	204	93	83
2	192	38	118	170	200	208	27	312	235	161	84	73
3	115	68	113	160	185	202	107	493	195	127	82	77
4	80	42	106	160	175	207	47	585	168	114	86	81
5	38	61	106	180	170	211	36	610	206	134	80	74
6	28	66	119	180	190	215	25	699	221	170	73	70
7	63	69	112	160	210	184	21	743	205	192	64	67
8	67	64	105	170	220	191	28	927	153	177	59	69
9	57	50	106	170	235	205	72	1000	148	181	54	66
10	54	58	99	190	235	217	64	806	136	173	57	60
11	66	63	96	180	240	199	117	788	126	129	57	56
12	54	58	115	170	230	180	77	951	142	117	50	56
13	60	85	139	175	220	122	38	1050	135	140	43	96
14	97	78	146	180	225	87	55	945	128	139	38	125
15	104	71	114	175	235	61	14	956	194	126	31	134
16	108	66	81	175	235	56	7.7	1070	187	145	45	130
17	85	65	87	185	230	42	26	1100	117	161	40	107
18	83	63	100	185	245	36	87	995	118	133	39	92
19	75	60	109	170	255	25	119	1000	102	122	38	108
20	71	59	114	170	270	22	115	973	107	119	33	88
21	64	56	148	175	270	19	114	925	112	122	36	73
22	61	56	105	155	275	13	109	728	176	141	44	81
23	64	55	150	170	240	11	101	677	250	132	58	77
24	51	53	145	165	199	8.4	118	545	132	123	70	65
25	55	47	145	170	216	6.0	157	425	147	115	131	62
26	60	53	150	185	220	4.2	236	301	132	118	138	70
27	66	58	165	165	178	3.6	453	231	147	116	136	76
28	66	53	170	160	166	6.2	530	252	174	107	133	71
29	63	51	170	190	193	7.5	336	204	189	97	113	70
30	65	65	185	210	---	6.2	277	191	220	106	84	69
31	52	---	185	205	---	7.7	---	203	---	104	86	---
TOTAL	2389	1767	3907	5440	6377	2958.8	3524.7	20937	4959	4245	2175	2426
MEAN	77.1	58.9	126	175	220	95.4	117	675	165	137	70.2	80.9
AC-FT	4740	3500	7750	10790	12650	5870	6990	41530	9840	8420	4310	4810
MAX	225	85	185	210	275	217	530	1100	257	204	138	134
MIN	28	36	81	155	166	3.6	7.7	191	102	97	31	56

CAL YR 1995 TOTAL 165363 MEAN 453 MAX 4850 MIN 18 AC-FT 328000  
WTR YR 1996 TOTAL 61105.5 MEAN 167 MAX 1100 MIN 3.6 AC-FT 121200

MAX DISCH 1388 CFS AT 1015 13-MAY-1996 GH 4.97 FT. SHIFT -0.11 FT. MAX GH 4.97 FT. AT 1015 13-MAY-1996

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



RIO GRANDE BASIN

RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE, CO

**LOCATION.**--Lat 37°34'13", Long 106°02'43", SW¼NW¼ sec.6, T. 38 N., R. 9 E., Alamosa County, on left bank 125 feet downstream from the county line bridge, 5.0 miles East of Monte Vista and 2.4 miles North of U.S. Highway 160 and 285, on the County Line Road.

**DRAINAGE AREA.**-- 1,640 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Datum of gage is 7,595 feet, from topographic map.

**REMARKS.**--Flow regulated by Beaver Creek, Santa Maria, Rio Grande, and Continental Reservoirs. Transmountain diversions to drainage area above station from Colo. River basin. Record is complete and reliable except for the following periods: Jan. 5- Feb. 16, 1996 when station closed; Dec. 24, 1995-Jan. 4; Feb. 26-Mar. 7, 1996 when well was frozen; Stage-discharge relation affected by ice Dec. 23, 1995. Record is good except for periods of no gage-height and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

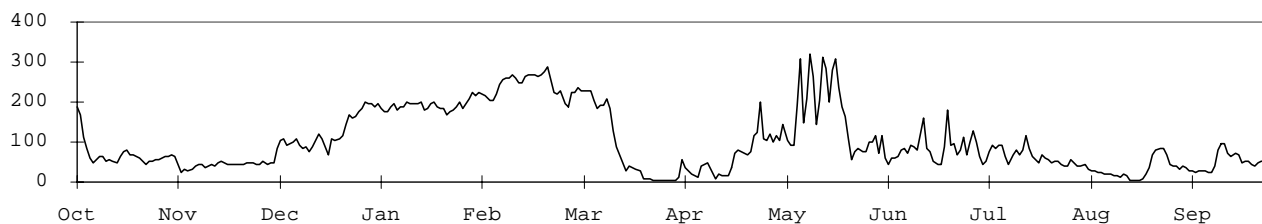
**RATING TABLE.**--RIOLINCO04 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	44	85	195	225	225	5.3	100	115	129	48	39
2	170	25	105	185	220	235	14	117	72	100	42	34
3	111	34	110	175	215	230	55	103	117	66	39	39
4	86	27	92	175	205	230	38	144	59	43	43	38
5	61	32	95	190	205	230	27	106	45	52	34	29
6	47	40	100	195	220	230	22	92	62	76	30	28
7	55	44	110	180	245	205	17	91	61	94	27	26
8	65	45	93	190	255	186	14	194	64	86	26	28
9	63	37	83	190	260	193	39	310	80	92	24	30
10	52	42	87	200	260	194	44	149	85	94	22	27
11	55	43	77	195	270	210	49	209	74	63	22	26
12	51	40	89	195	260	184	26	319	92	46	20	24
13	49	50	104	195	250	128	7.9	266	90	67	18	42
14	65	53	122	200	250	90	22	143	80	80	16	82
15	76	49	110	180	265	67	16	205	119	67	12	98
16	79	46	88	185	270	48	18	311	159	79	22	96
17	69	46	67	195	268	30	16	286	86	117	18	71
18	67	45	107	200	267	42	37	201	75	86	4.8	64
19	64	43	106	190	264	36	72	282	53	63	3.9	74
20	59	43	107	185	269	33	79	307	43	56	3.8	67
21	52	44	116	185	278	27	78	235	45	50	4.3	48
22	45	48	146	170	288	10	74	190	87	67	6.7	54
23	52	49	170	175	257	8.0	67	163	179	61	21	53
24	54	48	160	180	223	6.8	78	110	93	56	35	46
25	55	45	165	190	220	6.0	116	56	95	49	70	41
26	57	46	175	200	230	5.7	124	77	70	51	81	49
27	61	51	185	185	195	5.7	201	83	81	51	84	54
28	65	43	200	195	190	5.8	109	75	114	44	85	52
29	66	47	195	210	225	5.4	104	75	70	40	69	49
30	69	49	195	225	---	5.3	119	99	100	42	44	28
31	63	---	190	215	---	5.3	---	100	---	57	42	---
TOTAL	2173	1298	3834	5925	7049	3117.0	1688.2	5198	2565	2124	1017.5	1436
MEAN	70.1	43.3	124	191	243	101	56.3	168	85.5	68.5	32.8	47.9
AC-FT	4310	2570	7600	11750	13980	6180	3350	10310	5090	4210	2020	2850
MAX	190	53	200	225	288	235	201	319	179	129	85	98
MIN	45	25	67	170	190	5.3	5.3	56	43	40	3.8	24
CAL YR 1995 TOTAL		95075	MEAN	260	MAX	3830	MIN	11	AC-FT	188600		
WTR YR 1996 TOTAL		37424.7	MEAN	102	MAX	319	MIN	3.8	AC-FT	74230		

MAX DISCH 463 CFS AT 1645 09-MAY-1996 GH 3.74 FT. SHIFT 0.13 FT. MAX GH 3.74 FT. AT 1645 09-MAY-1996

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



## RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO

**LOCATION.**--Lat 37°28'53", long 105°52'46", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on right bank 0.2 mile northwest of Adams State College and 9 miles upstream from Alamosa Creek.

**DRAINAGE AREA.**--1,710 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. 15, 1995 when floats were frozen, Jan. 5 - Feb. 16, 1996 when station was closed for the winter, and Mar. 13 - 16, 1996 when the inlet was plugged. Stage-discharge relation was affected by ice Dec. 12, 16 - 18, 23 - 31, 1995 and Jan. 1 - 4, Feb. 17-19, 1996. Record is good except for periods of no gage-height and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--RIOALACO21 USED FROM 01-OCT-1995 TO 30-SEP-1996

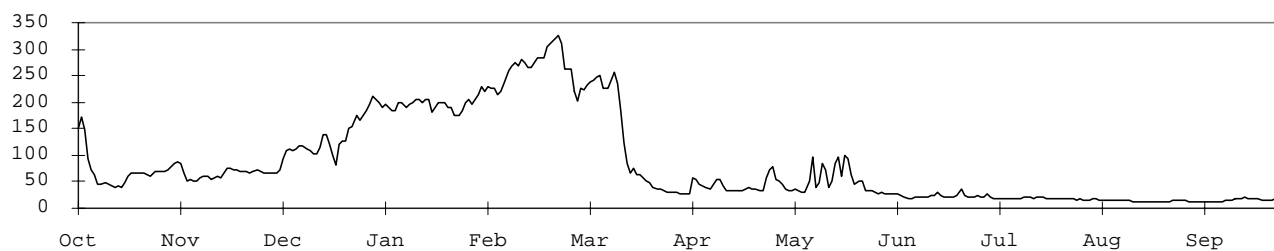
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	83	71	190	220	225	27	44	28	22	16	13
2	172	67	95	195	230	224	27	35	28	27	16	13
3	148	52	110	190	225	233	28	34	26	22	17	13
4	93	54	113	185	225	237	58	33	28	19	17	13
5	72	50	109	185	215	241	54	37	26	18	16	13
6	64	50	111	200	220	247	46	34	23	17	16	13
7	46	58	119	200	235	249	41	29	22	17	16	13
8	45	60	119	190	260	227	38	31	19	17	15	13
9	49	61	113	195	270	225	35	52	19	18	15	13
10	46	55	108	200	275	240	45	98	21	18	15	13
11	43	56	102	205	270	255	53	39	21	18	14	13
12	40	60	102	205	280	236	55	48	21	19	14	14
13	41	57	114	200	275	185	42	83	21	20	14	14
14	40	65	140	205	265	125	33	73	22	20	14	15
15	48	75	140	205	265	85	32	39	23	20	13	17
16	61	76	120	180	275	65	33	50	25	19	13	17
17	67	72	100	190	285	76	32	84	30	20	13	19
18	65	71	80	200	285	62	32	97	24	20	13	20
19	65	69	120	200	285	63	34	61	22	20	13	19
20	66	69	127	200	306	57	35	101	21	19	13	19
21	65	70	126	190	310	52	39	93	21	18	13	18
22	62	67	150	190	318	48	35	64	22	18	13	17
23	61	70	155	175	325	40	35	44	23	17	13	16
24	68	71	175	175	311	37	33	50	37	18	13	16
25	70	70	165	185	264	35	33	51	25	18	13	16
26	69	65	175	200	261	33	58	34	21	18	13	16
27	69	66	185	205	262	31	72	33	21	18	14	19
28	73	67	195	195	221	30	77	32	20	18	14	20
29	77	66	210	205	203	30	53	30	25	16	14	17
30	83	66	205	215	---	29	50	28	21	17	14	16
31	87	---	200	230	---	28	---	29	---	16	14	---
TOTAL	2207	1938	4154	6085	7641	3950	1265	1590	706	582	441	468
MEAN	71.2	64.6	134	196	263	127	42.2	51.3	23.5	18.8	14.2	15.6
AC-FT	4380	3840	8240	12070	15160	7830	2510	3150	1400	1150	875	928
MAX	172	83	210	230	325	255	77	101	37	27	17	20
MIN	40	50	71	175	203	28	27	28	19	16	13	13

CAL YR 1995 TOTAL 93862 MEAN 257 MAX 3980 MIN 22 AC-FT 186200  
WTR YR 1996 TOTAL 31027 MEAN 84.8 MAX 325 MIN 13 AC-FT 61540

MAX DISCH 330 CFS AT 1000 23-FEB-1996 GH 2.74 FT. SHIFT -0.09 FT. MAX GH 3.39 FT. AT 1545 17-FEB-1996

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



RIO GRANDE BASIN

CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO

RIO GRANDE COMPACT STATION

**LOCATION.**--Lat 37°28'33", long 105°45'58", SW¼SW¼, sec. 3, T.37 N., R.11 E., Alamosa County, Hydrologic Unit 13010002, 400 ft north of State Highway 160, 5.5 mi east of Alamosa, Co. on right bank of Closed Basin Project Canal.

**DRAINAGE AREA.**--

**GAGE.**--Graphic water-stage recorders on H<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 except for Jan. 3-5, 1996 when the H<sub>a</sub> well was frozen. Record is good except for the short period of no gage height record which should be considered fair. Station maintained and record developed by Div. III Hydrographic Staff.

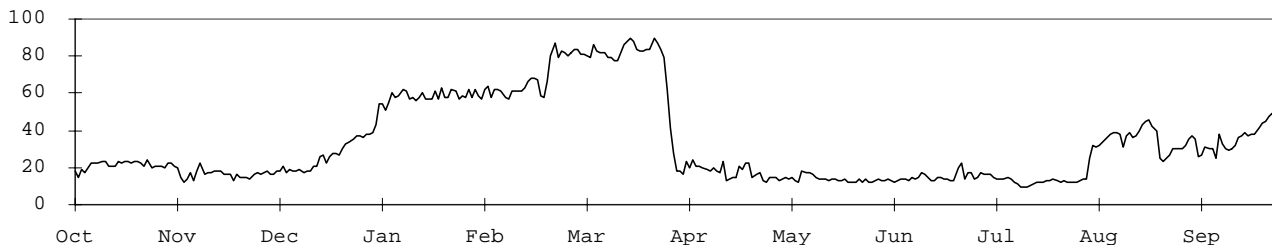
**RATING TABLE.**--CBPALACO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	20	18	54	57	84	18	13	13	17	14	32
2	15	15	18	54	62	81	16	14	13	16	14	35
3	19	12	21	51	64	81	23	15	14	16	25	37
4	17	14	17	55	58	80	20	14	13	16	32	35
5	20	17	19	60	62	79	24	15	12	15	31	26
6	22	13	18	58	62	86	21	13	13	14	32	27
7	22	18	18	59	61	83	21	12	14	14	34	31
8	22	22	19	62	58	82	20	18	14	14	36	30
9	23	16	17	61	57	82	19	17	13	15	38	30
10	23	17	18	57	61	79	18	17	15	14	39	25
11	21	17	18	58	61	79	20	16	14	12	39	38
12	21	18	21	56	61	78	18	15	15	11	38	33
13	21	18	21	58	61	78	17	14	17	9.6	31	30
14	23	18	26	60	63	82	23	14	16	9.7	37	29
15	22	16	27	57	66	86	13	14	15	9.3	39	30
16	23	16	22	57	68	88	14	13	13	10	36	32
17	23	16	26	57	68	90	15	14	13	11	37	36
18	22	13	28	61	67	88	15	14	15	12	40	37
19	23	16	28	57	59	84	21	13	15	12	43	39
20	23	15	27	63	58	83	19	13	14	12	45	37
21	22	15	30	58	66	83	22	14	14	13	46	38
22	21	15	33	58	80	84	22	12	13	13	42	38
23	24	14	34	62	87	84	15	12	13	14	40	41
24	20	16	35	61	79	90	16	12	20	13	25	44
25	21	17	37	57	83	87	17	14	22	12	23	45
26	21	16	37	59	82	84	13	12	14	13	25	47
27	21	17	36	58	80	79	12	14	17	12	27	49
28	20	18	38	62	82	62	15	12	17	12	30	47
29	22	16	38	58	84	41	15	12	14	12	30	47
30	22	16	39	62	---	28	15	13	15	12	30	48
31	21	---	43	59	---	18	---	14	---	13	30	---
TOTAL	658	487	827	1809	1957	2393	537	429	440	398.6	1028	1093
MEAN	21.2	16.2	26.7	58.4	67.5	77.2	17.9	13.8	14.7	12.9	33.2	36.4
AC-FT	1310	966	1640	3590	3880	4750	1070	851	873	791	2040	2170
MAX	24	22	43	63	87	90	24	18	22	17	46	49
MIN	15	12	17	51	57	18	12	12	12	9.3	14	25
CAL YR 1995 TOTAL		9400	MEAN	25.8	MAX	71	MIN	12	AC-FT	18640		
WTR YR 1996 TOTAL		12056.6	MEAN	32.9	MAX	90	MIN	9.3	AC-FT	23910		

MAX DISCH 93 CFS AT 1700 17-MAR-1996 GH 1.49 FT. SHIFT 0.05 FT. MAX GH 1.49 FT. AT 1700 17-MAR-1996

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





## RIO GRANDE BASIN

## CLOSED BASIN IN SAN LUIS VALLEY

08224500 KERBER CREEK NEAR VILLA GROVE, CO

**LOCATION.**--Lat 38°14'28", long 106°06'57", in SW¼NW¼, sec. 17, T. 46 N., R. 8 E., Saguache County, on left bank 10 miles west of Villa Grove and 4.0 miles downstream from the town of Bonanza.

**DRAINAGE AREA.**--42 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: Nov. 29, 1995-Apr. 19, 1996 when station was closed for the winter; Nov. 3-7, 28, 1995 when float was frozen in ice; June 14-18, 1996 when recorder was not working properly. Stage-discharge relation affected by ice Oct. 23-24; Nov. 8-9, 11-12, 15-27, 1995. Record is good except for periods of no gage-height and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--KERVILCO15 USED FROM 01-OCT-1995 TO 30-SEP-1996

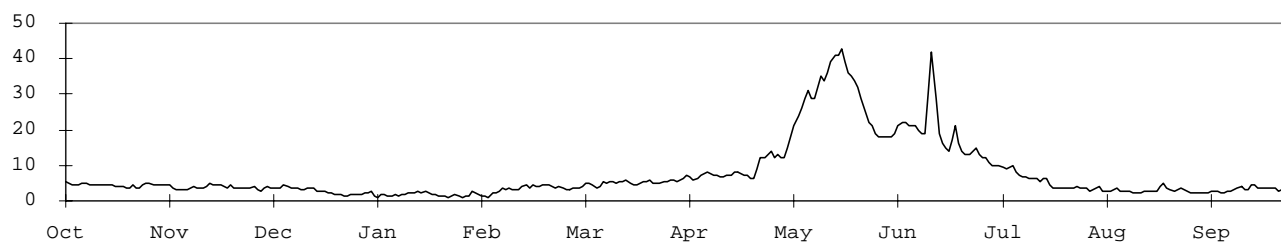
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	4.4	3.7	1.5	1.8	3.8	6.0	12	18	12	2.9	2.1
2	5.0	3.5	3.7	1.0	1.4	3.6	6.4	12	18	11	3.1	2.3
3	4.7	3.2	3.4	2.0	1.2	4.0	7.4	15	18	10	3.6	2.3
4	4.7	3.2	3.7	1.6	1.0	4.8	6.8	18	19	9.7	4.1	2.3
5	4.7	3.0	4.4	1.4	2.2	4.8	5.8	21	21	10	2.9	2.1
6	4.9	3.2	4.0	1.2	2.2	4.4	6.2	24	22	9.3	2.5	2.5
7	5.0	3.7	3.4	1.8	2.5	3.8	7.0	26	22	8.9	2.5	2.7
8	4.7	4.0	3.8	1.5	3.5	4.2	7.6	29	21	9.3	3.1	2.5
9	4.4	3.6	3.5	1.7	3.3	5.2	8.0	31	21	9.7	3.4	2.1
10	4.4	3.8	3.2	2.0	3.5	5.0	7.6	29	21	8.1	2.9	2.3
11	4.4	3.5	3.2	2.3	3.1	5.2	7.0	29	20	7.3	2.7	2.5
12	4.4	4.0	3.5	2.3	3.1	5.6	7.4	32	19	6.6	2.5	2.7
13	4.4	5.0	3.8	2.3	3.3	5.0	6.8	35	19	6.6	2.5	3.1
14	4.4	4.7	3.5	2.6	4.0	5.2	6.6	34	30	6.2	2.3	3.6
15	4.4	4.4	2.8	2.4	4.3	5.2	7.0	36	42	6.2	2.3	4.1
16	4.1	4.7	2.6	2.6	3.7	5.8	7.4	39	29	6.2	2.3	3.1
17	4.1	4.1	2.8	2.2	4.5	5.0	8.0	41	19	5.6	2.7	3.1
18	4.1	3.8	2.2	1.6	4.2	4.6	8.0	41	16	6.2	2.5	4.6
19	3.8	4.4	2.4	1.8	3.9	4.3	7.6	43	15	6.2	2.7	4.4
20	3.8	3.8	2.0	1.2	4.4	4.8	7.2	39	14	4.7	2.9	3.6
21	4.3	3.5	1.8	1.2	4.7	5.4	7.0	36	17	3.8	2.9	3.4
22	3.8	3.7	1.8	1.4	4.4	5.6	6.1	35	21	3.8	4.1	3.4
23	3.4	3.4	1.4	1.1	4.0	5.8	6.2	34	16	3.6	5.0	3.4
24	4.7	3.4	1.2	1.3	3.8	4.8	8.9	32	14	3.4	3.8	3.8
25	5.0	3.8	1.6	1.6	4.0	4.8	12	29	13	3.4	3.1	3.4
26	4.8	4.1	1.9	1.3	3.6	5.0	12	26	13	3.4	2.9	2.9
27	4.4	3.2	1.9	1.0	3.0	5.4	13	22	14	3.4	3.1	3.1
28	4.4	2.5	1.6	1.3	3.2	5.6	14	21	15	4.1	3.4	3.1
29	4.4	3.7	2.2	1.5	3.4	6.0	12	19	13	3.8	3.1	3.1
30	4.4	4.0	2.2	2.5	---	5.8	13	18	12	3.6	2.5	2.9
31	4.4	---	2.6	2.3	---	5.6	---	18	---	3.4	2.3	---
TOTAL	138.0	113.3	85.8	53.5	95.2	154.1	246.0	876	572	199.5	92.6	90.5
MEAN	4.45	3.78	2.77	1.73	3.28	4.97	8.20	28.3	19.1	6.44	2.99	3.02
AC-FT	274	225	170	106	189	306	488	1740	1130	396	184	180
MAX	5.6	5.0	4.4	2.6	4.7	6.0	14	43	42	12	5.0	4.6
MIN	3.4	2.5	1.2	1.0	1.0	3.6	5.8	12	12	3.4	2.3	2.1

CAL YR 1995 TOTAL 6193.4 MEAN 17.0 MAX 124 MIN 1.2 AC-FT 12280  
WTR YR 1996 TOTAL 2716.5 MEAN 7.42 MAX 43 MIN 1.0 AC-FT 5390

MAX DISCH 45 CFS AT 0200 19-MAY-1996 GH 1.46 FT. SHIFT 0.31 FT. MAX GH 1.46 FT. AT 0200 19-MAY-1996

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



RIO GRANDE BASIN

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO

**LOCATION.**--Lat 38°09'48", long 106°17'24", in SE¼SE¼ sec. 10, T. 45 N., R 6 E., Saguache County, Hydrologic Unit 13010004, on left bank 0.2 Mi downstream from Middle Creek and 10 mi northwest of Saguache.

**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.**--Record is complete and reliable. The stage-discharge relation was affected by ice Nov. 29-30; Dec. 8, 1995-Feb. 19, 23, 27-29; Mar. 1-4, 1996. Record is good except for periods of ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

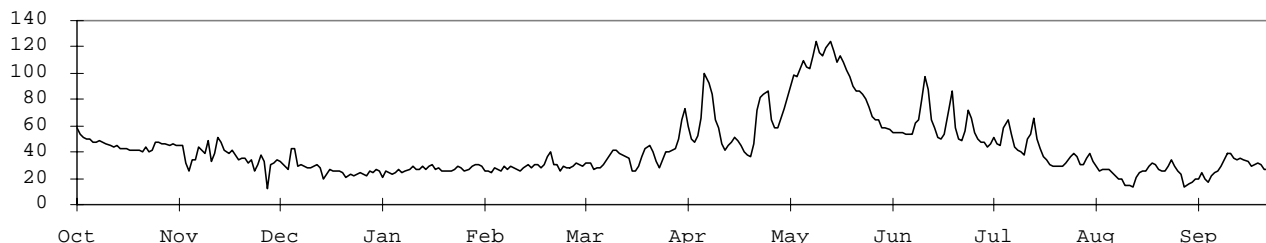
**RATING TABLE.**--SAGSAGCO15 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	45	34	25	29	32	50	59	64	50	31	23
2	54	45	33	21	26	30	65	66	59	48	30	13
3	51	32	31	25	25	29	73	73	58	47	35	16
4	50	26	27	24	24	32	60	81	57	44	39	17
5	50	34	43	23	28	32	50	90	55	46	33	19
6	48	34	43	24	27	27	48	99	55	51	29	20
7	48	44	29	27	26	28	52	98	55	46	25	24
8	49	42	30	24	29	28	66	103	55	45	27	19
9	47	39	29	25	27	30	100	110	54	59	27	17
10	46	49	28	27	29	34	92	105	54	64	27	22
11	45	33	28	29	28	38	84	104	54	53	24	24
12	44	39	29	27	27	41	64	113	62	44	22	25
13	45	51	30	27	26	42	58	124	65	42	20	29
14	43	47	28	29	28	39	46	116	80	40	20	34
15	43	41	20	27	30	38	41	113	97	38	15	39
16	43	39	23	29	28	37	45	119	88	50	15	39
17	42	42	27	30	30	35	48	124	65	54	14	35
18	42	38	25	27	30	26	51	117	59	66	21	34
19	42	34	26	28	28	25	49	108	51	50	24	35
20	41	35	25	26	30	29	45	113	50	43	26	34
21	40	35	24	26	37	36	40	108	54	37	26	33
22	44	32	21	26	40	43	38	102	73	34	29	29
23	40	34	23	25	31	45	36	97	86	31	32	30
24	41	25	22	27	30	40	46	90	59	29	31	32
25	47	31	23	29	26	33	72	86	50	29	27	30
26	48	38	24	28	29	28	82	86	49	29	25	27
27	46	33	23	25	28	34	84	84	56	29	26	27
28	46	12	22	27	28	40	87	80	72	32	29	29
29	45	30	25	29	29	40	64	74	66	36	34	30
30	46	32	24	31	---	42	58	67	55	39	29	29
31	45	---	27	31	---	43	---	64	---	36	26	---
TOTAL	1419	1091	846	828	833	1076	1794	2973	1857	1341	818	814
MEAN	45.8	36.4	27.3	26.7	28.7	34.7	59.8	95.9	61.9	43.3	26.4	27.1
AC-FT	2810	2160	1680	1640	1650	2130	3560	5900	3680	2660	1620	1610
MAX	58	51	43	31	40	45	100	124	97	66	39	39
MIN	40	12	20	21	24	25	36	59	49	29	14	13
CAL YR 1995 TOTAL	30461		MEAN	83.5	MAX	476	MIN	12	AC-FT	60420		
WTR YR 1996 TOTAL	15690		MEAN	42.9	MAX	124	MIN	12	AC-FT	31120		

MAX DISCH 159 CFS AT 1200 09-APR-1996 GH 2.40 FT. SHIFT -0.14 FT. MAX GH 2.40 FT. AT 1200 09-APR-1996

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



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO

**LOCATION.**--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

**DRAINAGE AREA.**--10.7 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 Jan. 25-Mar. 20, 1996 when station closed; Dec. 28-31, 1995; Jan. 1-24, 1996 when well frozen; Mar. 28-Apr. 9, 29-May 2, 1996 when clock stopped. Stage-relation affected by ice Dec. 21-27, 1995. Record is good except for periods of no gage-height record and ice affect record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

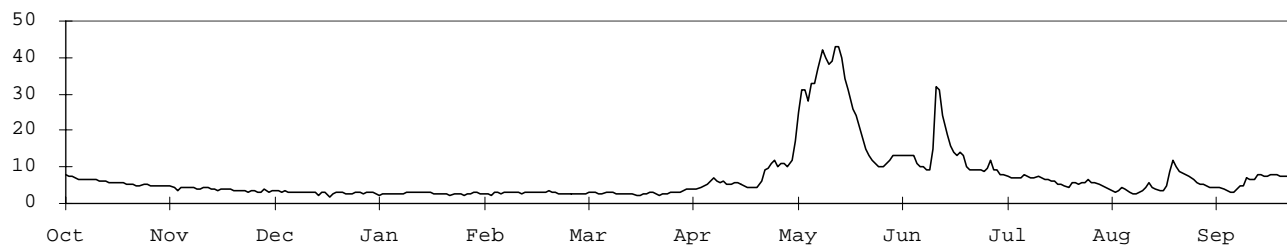
**RATING TABLE.**--NOCRES009 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	4.8	3.4	2.6	2.8	2.8	3.6	11	12	12	5.6	5.4
2	7.4	4.4	3.4	2.3	2.6	2.7	3.8	10	13	9.4	5.2	5.2
3	7.4	3.7	3.4	2.8	2.5	2.6	3.8	12	13	9.1	5.0	5.0
4	7.0	4.6	3.2	2.7	2.1	3.1	3.9	17	13	7.7	4.4	4.4
5	6.7	4.4	3.4	2.6	2.9	3.1	4.1	25	13	7.7	3.8	4.6
6	6.7	4.4	3.2	2.6	2.9	3.0	4.4	31	13	7.4	3.4	4.4
7	6.7	4.2	3.2	2.8	2.8	2.6	4.7	31	13	6.9	3.2	4.6
8	6.7	4.2	3.2	2.6	3.1	2.7	5.2	28	13	7.0	3.6	4.0
9	6.4	4.1	3.1	2.8	3.0	3.0	6.2	33	11	7.0	4.4	3.6
10	6.4	3.8	3.0	2.9	3.1	3.0	7.0	33	10	6.9	3.8	3.2
11	6.2	4.2	3.2	3.0	3.0	2.9	6.2	37	10	7.7	3.2	3.2
12	6.2	4.2	3.2	3.0	2.9	2.7	5.9	42	9.4	7.4	2.6	3.8
13	6.2	4.0	3.2	3.0	2.8	2.6	6.2	40	9.4	7.0	2.8	4.8
14	5.9	4.0	3.2	3.0	3.1	2.5	5.4	38	15	6.9	3.0	4.8
15	5.9	3.7	2.3	3.0	3.2	2.6	5.4	39	32	7.5	3.6	7.0
16	5.6	3.8	2.9	3.0	2.9	2.6	5.6	43	31	6.9	4.6	6.4
17	5.6	3.8	3.0	3.1	3.2	2.5	5.9	43	24	6.7	5.6	6.4
18	5.6	3.8	1.8	2.6	3.2	2.4	5.4	40	19	6.7	4.2	7.7
19	5.4	3.8	2.8	2.8	3.1	2.4	5.0	34	16	6.2	3.8	7.7
20	5.4	3.6	3.1	2.5	3.2	2.5	4.6	31	14	6.2	3.4	7.4
21	5.4	3.5	3.0	2.5	3.3	2.6	4.4	26	13	5.3	3.4	7.4
22	5.0	3.6	2.9	2.5	3.2	3.0	4.2	24	14	5.2	4.8	7.7
23	5.0	3.3	2.7	2.4	2.9	3.0	4.4	21	13	4.8	8.8	8.0
24	5.4	3.2	2.5	2.5	2.8	2.7	6.1	18	10	4.4	12	7.7
25	5.2	3.3	2.7	2.7	2.8	2.4	9.4	15	9.4	5.6	10	7.4
26	5.0	3.6	2.9	2.6	2.6	2.6	9.8	13	9.4	5.9	8.8	7.4
27	4.8	3.1	2.9	2.2	2.5	2.8	11	12	9.4	5.4	8.4	7.4
28	4.8	2.9	2.8	2.5	2.5	3.0	12	11	9.4	5.6	8.0	7.4
29	4.8	4.0	3.0	2.6	2.5	3.1	10	10	8.8	5.9	7.4	7.4
30	4.8	3.2	3.0	3.1	---	3.1	11	10	9.6	6.7	6.4	7.0
31	4.8	---	3.2	3.1	---	3.2	---	11	---	5.6	5.9	---
TOTAL	182.1	115.2	92.8	84.4	83.5	85.8	184.6	789	409.8	210.7	163.1	178.4
MEAN	5.87	3.84	2.99	2.72	2.88	2.77	6.15	25.5	13.7	6.80	5.26	5.95
AC-FT	361	228	184	167	166	170	366	1560	813	418	324	354
MAX	7.7	4.8	3.4	3.1	3.3	3.2	12	43	32	12	12	8.0
MIN	4.8	2.9	1.8	2.2	2.1	2.4	3.6	10	8.8	4.4	2.6	3.2
CAL YR 1995 TOTAL		7277.3	MEAN	19.9	MAX	171	MIN	1.8	AC-FT	14430		
WTR YR 1996 TOTAL		2579.4	MEAN	7.05	MAX	43	MIN	1.8	AC-FT	5120		

MAX DISCH 62 CFS AT 16-MAY-1996 GH 1.91 FT. SHIFT 0.04 FT. MAX GH 1.91 FT. AT 16-MAY-1996

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



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO

**LOCATION.**--Lat 37°51'35", long 106°19'08", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 6.6 mi. downstream from North Fork.

**DRAINAGE AREA.**--117 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: Nov. 27-28, 1995; Mar. 24-27, 1996 when the well was frozen; Nov. 29, 1995-Mar. 20, 1996 when the station was closed for the winter; July 31, 1996 when work was being done on the control, and Sep. 25, 1996 when the pen was not inking. Gage-height not representative of flow July 25-26, 1996 due to water going through control. Stage-discharge relation was ice affected Oct. 23-27; Nov. 3-10, 12-26, 1995; Mar. 22-23, 28, 1996. Record is good except for periods of no gage-height record and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--CARLAGC014 USED FROM 01-OCT-1995 TO 30-SEP-1996

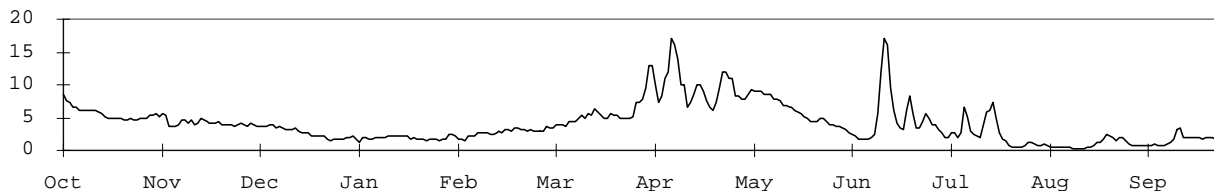
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	5.5	3.7	1.7	2.1	3.6	9.6	7.9	3.6	3.8	0.90	0.80
2	7.6	5.3	3.7	1.3	1.8	3.5	13	7.9	3.4	3.2	0.75	0.75
3	7.2	3.6	3.6	2.0	1.8	3.4	13	8.6	3.2	2.6	0.80	0.75
4	6.5	3.6	3.6	1.9	1.5	4.0	10	9.3	2.6	2.0	0.95	0.75
5	6.5	3.6	4.0	1.8	2.3	4.0	7.2	9.0	2.4	2.0	0.75	0.70
6	6.2	4.0	3.8	1.8	2.3	4.0	8.4	9.0	2.2	2.6	0.55	0.70
7	6.2	4.7	3.4	2.0	2.3	3.7	11	9.0	1.8	2.8	0.47	0.85
8	6.2	4.6	3.6	1.9	2.7	4.4	12	8.6	1.7	1.9	0.60	0.95
9	6.2	4.2	3.4	1.9	2.7	4.4	17	8.6	1.6	2.8	0.60	0.85
10	6.0	4.6	3.1	2.0	2.7	4.5	16	8.6	1.8	6.5	0.60	0.80
11	6.0	4.0	3.1	2.1	2.6	4.8	14	7.9	2.0	5.2	0.60	0.80
12	5.8	4.1	3.1	2.1	2.5	5.4	10	7.9	2.4	3.0	0.43	1.0
13	5.5	5.0	3.4	2.1	2.4	5.0	10	7.6	5.5	2.4	0.36	1.2
14	5.2	4.6	3.0	2.2	2.7	5.6	6.7	6.8	12	2.2	0.25	1.7
15	5.0	4.3	2.6	2.2	2.9	5.4	7.2	6.8	17	2.0	0.25	3.2
16	5.0	4.1	2.6	2.2	2.6	6.4	8.6	6.5	16	4.0	0.22	3.4
17	5.0	4.2	2.6	2.3	3.1	5.8	10	6.5	9.6	5.8	0.32	2.0
18	5.0	4.1	2.2	1.7	3.1	5.4	10	6.2	6.0	6.0	0.40	1.9
19	5.0	4.3	2.2	2.0	2.9	4.8	9.0	5.8	4.2	7.2	0.50	1.9
20	4.7	4.0	2.2	1.6	3.3	5.0	7.5	5.5	3.4	5.0	0.65	1.9
21	4.7	3.8	2.1	1.6	3.3	5.5	6.6	5.2	3.2	2.8	1.3	1.9
22	5.0	4.0	2.1	1.6	3.2	5.4	6.0	4.8	6.2	1.8	1.3	1.9
23	4.6	3.9	1.8	1.5	3.1	5.4	7.2	4.5	8.2	1.4	1.6	1.8
24	4.7	3.7	1.5	1.6	3.0	5.0	9.6	4.5	5.5	0.75	2.4	1.9
25	4.8	4.0	1.6	1.8	3.1	5.0	12	4.5	3.4	0.60	2.2	2.0
26	4.9	4.2	1.7	1.8	3.0	5.0	12	4.8	3.4	0.50	1.9	1.9
27	5.0	4.0	1.7	1.5	2.9	5.0	11	4.8	4.5	0.60	1.5	1.8
28	5.3	3.6	1.7	1.7	2.9	5.2	11	4.5	5.5	0.60	2.0	1.9
29	5.3	4.2	2.0	1.8	3.0	7.2	8.3	4.0	5.0	0.85	2.0	2.0
30	5.5	4.0	2.0	2.4	---	7.4	8.2	3.8	4.0	1.3	1.4	2.0
31	5.2	---	2.3	2.4	---	7.7	---	3.6	---	1.1	1.0	---
TOTAL	174.4	125.8	83.4	58.5	77.8	156.9	302.1	203.0	151.3	85.30	29.56	46.00
MEAN	5.63	4.19	2.69	1.89	2.68	5.06	10.1	6.55	5.04	2.75	0.95	1.53
AC-FT	346	250	165	116	154	311	599	403	300	169	59	91
MAX	8.6	5.5	4.0	2.4	3.3	7.7	17	9.3	17	7.2	2.4	3.4
MIN	4.6	3.6	1.5	1.3	1.5	3.4	6.0	3.6	1.6	0.50	0.22	0.70

CAL YR 1995 TOTAL 4124.4 MEAN 11.3 MAX 52 MIN 1.3 AC-FT 8180  
WTR YR 1996 TOTAL 1494.06 MEAN 4.08 MAX 17 MIN 0.22 AC-FT 2960

MAX DISCH 25 CFS AT 1315 02-APR-1996 GH 2.46 FT. SHIFT -0.16 FT. MAX GH 2.46 FT. AT 1315 02-APR-1996

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



## RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO

**LOCATION.**--Lat 37°48'48", long 106°19'04", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 4.5 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

**DRAINAGE AREA.**--61 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: Dec. 28, 1995-Mar. 20, 1996 when station closed; Dec. 22-27, 1995 well frozen; Mar. 25-26; Apr. 12-14; July 12-16; Aug. 28-29; Sep. 4-5, 1996 when the pen was not inking. Stage-discharge relation affected by ice Oct. 23-24; Nov. 3-13, 17-18, 20-30; Dec. 1-21, 1995. Record is good except for periods of no gage-height and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

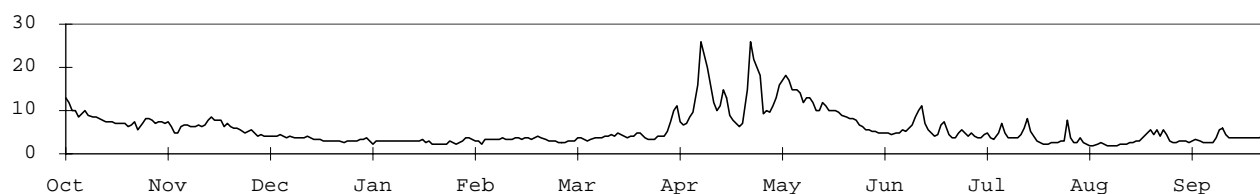
**RATING TABLE.**--LAGLAGCO12 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	7.3	4.0	3.0	3.2	3.1	7.3	9.5	5.3	5.0	2.7	2.5
2	12	6.2	4.0	2.4	2.8	3.0	10	11	5.3	4.1	2.5	2.9
3	10	5.0	4.0	3.0	2.8	2.9	11	13	4.7	3.8	3.6	3.1
4	10	5.0	4.0	2.9	2.3	3.6	7.3	16	4.7	3.6	2.7	2.9
5	8.4	6.2	4.4	2.8	3.2	3.6	6.6	17	4.7	4.4	2.1	2.7
6	9.4	6.6	4.1	2.8	3.2	3.5	6.9	18	4.7	4.7	1.9	2.9
7	10	6.6	3.8	3.0	3.2	3.1	8.5	17	4.4	3.8	1.8	3.4
8	9.0	6.2	4.0	2.8	3.5	3.3	9.8	15	4.7	3.4	2.1	2.9
9	8.5	6.2	3.8	2.9	3.4	3.8	16	15	4.7	4.7	2.5	2.5
10	8.5	6.6	3.6	3.0	3.6	3.8	26	14	5.6	7.0	2.3	2.5
11	8.1	6.2	3.6	3.1	3.4	3.8	23	12	5.3	4.7	1.9	2.7
12	7.7	6.6	3.7	3.0	3.3	4.1	20	13	5.9	3.6	1.8	2.5
13	7.3	7.6	4.0	3.0	3.2	4.0	16	13	6.6	3.8	1.9	3.8
14	7.3	8.4	3.8	3.0	3.6	4.3	12	12	8.5	3.6	1.9	5.6
15	7.3	7.8	3.3	3.0	3.8	4.1	10	10	10	3.8	2.1	5.9
16	7.0	7.7	3.3	3.0	3.4	4.8	11	10	11	4.4	2.3	4.4
17	7.0	7.7	3.3	3.2	3.8	4.3	15	12	7.0	5.9	2.1	3.6
18	7.0	6.2	3.0	2.6	3.8	4.0	13	11	5.6	8.3	2.5	3.6
19	7.0	6.9	3.0	2.8	3.5	3.6	8.9	10	4.7	5.3	2.5	3.8
20	6.2	6.2	3.0	2.4	3.8	3.9	7.9	10	4.1	4.1	3.1	3.8
21	6.6	5.9	3.0	2.4	3.9	4.2	7.0	10	4.4	3.1	3.1	3.6
22	7.3	6.0	3.0	2.4	3.6	5.0	6.2	9.5	6.6	2.7	3.6	3.6
23	5.6	5.6	2.8	2.3	3.3	4.8	7.0	9.0	7.3	2.3	4.7	3.6
24	7.0	5.0	2.6	2.4	3.1	3.7	15	8.5	4.4	2.1	5.6	3.8
25	8.1	5.2	2.8	2.8	3.1	3.5	26	8.1	3.6	2.5	4.4	3.8
26	8.3	5.4	3.0	2.7	2.9	3.5	22	8.1	3.8	2.7	5.6	3.6
27	7.8	4.7	3.0	2.3	2.6	3.5	20	7.7	5.0	2.5	4.1	4.1
28	6.9	4.0	3.0	2.6	2.6	4.1	18	6.6	5.6	3.1	5.6	4.7
29	7.3	4.6	3.5	2.8	2.7	4.0	9.4	6.2	5.0	3.1	4.4	4.7
30	7.3	4.2	3.5	3.6	---	4.0	10	5.6	4.1	7.7	3.1	4.4
31	7.0	---	3.8	3.6	---	5.2	---	5.6	---	3.8	2.5	---
TOTAL	249.9	183.8	107.7	87.6	94.6	120.1	386.8	343.4	167.3	127.6	93.0	107.9
MEAN	8.06	6.13	3.47	2.83	3.26	3.87	12.9	11.1	5.58	4.12	3.00	3.60
AC-FT	496	365	214	174	188	238	767	681	332	253	184	214
MAX	13	8.4	4.4	3.6	3.9	5.2	26	18	11	8.3	5.6	5.9
MIN	5.6	4.0	2.6	2.3	2.3	2.9	6.2	5.6	3.6	2.1	1.8	2.5
CAL YR 1995 TOTAL		5591.6	MEAN	15.3	MAX	74	MIN	2.6	AC-FT	11090		
WTR YR 1996 TOTAL		2069.7	MEAN	5.65	MAX	26	MIN	1.8	AC-FT	4110		

MAX DISCH 45 CFS AT 0245 10-APR-1996 GH 2.62 FT. SHIFT 0.07 FT. MAX GH 2.62 FT. AT 0245 10-APR-1996

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



RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO

**LOCATION.**--Lat 37°22'29", long 106°20'03", in NW¼NE¼ sec. 17, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13100002, on left bank 0.8 mi upstream from high-water line of Terrace Reservoir at elevation 8,568 ft., 3.0 mi. downstream from French Creek, and 15 mi. northwest of Capulin.

**DRAINAGE AREA.**--107 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: Oct. 1-2, 4, 7-10, 1995 when the recorders were not working properly; Dec. 13, 1995-Mar. 8, 1996 when station was closed for the winter; Aug. 19-20, 1996 when the station was isolated. Stage-discharge relation affected by ice Nov. 11-13, 28-30; Dec. 1-12, 1995; Mar. 9-10, 1996. Record is good except for periods of no gage-height record and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

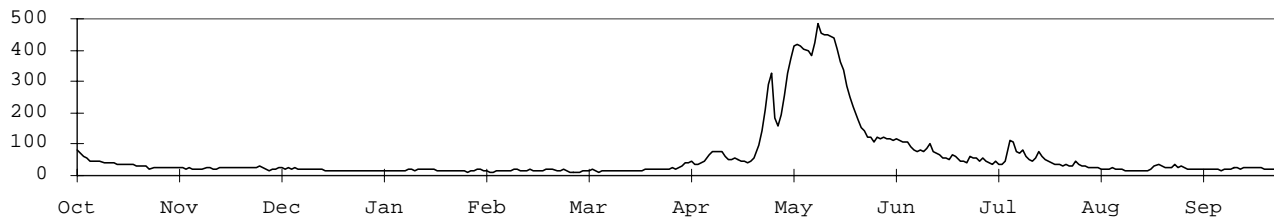
**RATING TABLE.**--ALATERCO14 USED FROM 01-OCT-1995 TO 1-JAN-1996  
 ALATERCO15 USED FROM 02-JAN-1996 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	27	24	15	17	12	33	193	121	58	29	22
2	70	27	23	13	13	13	42	257	119	46	26	22
3	61	19	22	14	11	14	43	328	118	41	27	20
4	56	28	23	17	12	16	46	375	112	38	26	20
5	46	22	22	16	14	18	38	414	115	45	25	18
6	45	22	23	15	17	14	35	419	114	38	21	19
7	47	22	21	16	17	12	39	415	109	38	20	19
8	44	21	19	17	17	14	46	404	105	44	20	19
9	41	23	18	19	17	14	66	396	93	114	23	18
10	40	25	18	18	18	15	76	384	82	107	22	18
11	41	19	18	17	18	16	76	425	78	78	19	17
12	39	21	19	19	17	17	74	484	81	72	18	20
13	38	24	21	19	17	16	78	452	76	80	17	20
14	35	24	18	19	17	15	60	447	86	62	16	22
15	35	24	16	19	18	15	52	447	100	52	16	27
16	35	24	15	19	16	14	51	446	78	48	16	23
17	34	25	16	18	17	14	55	440	70	56	16	20
18	34	23	15	13	17	15	52	404	64	78	17	24
19	33	23	15	16	16	15	46	363	58	63	14	25
20	30	23	14	15	20	16	45	339	54	51	15	26
21	30	23	14	13	20	18	43	286	53	45	19	25
22	31	24	14	16	19	20	46	250	65	41	30	23
23	21	23	13	14	16	22	57	217	59	37	34	23
24	24	26	13	14	16	20	95	177	47	34	31	22
25	25	29	14	16	19	18	143	151	45	33	27	21
26	26	27	15	13	16	18	209	141	42	34	23	22
27	27	20	15	12	12	18	293	122	61	31	28	20
28	26	16	15	17	12	21	326	124	57	32	38	20
29	28	20	17	15	12	23	183	109	55	46	27	19
30	26	22	17	19	---	22	156	121	46	35	33	18
31	27	---	17	19	---	26	---	118	---	30	25	---
TOTAL	1178	696	544	502	468	521	2604	9648	2363	1607	718	632
MEAN	38.0	23.2	17.5	16.2	16.1	16.8	86.8	311	78.8	51.8	23.2	21.1
AC-FT	2340	1380	1080	996	928	1030	5170	19140	4690	3190	1420	1250
MAX	83	29	24	19	20	26	326	484	121	114	38	27
MIN	21	16	13	12	11	12	33	109	42	30	14	17
CAL YR 1995 TOTAL		54231	MEAN	149	MAX	955	MIN	12	AC-FT	107600		
WTR YR 1996 TOTAL		21481	MEAN	58.7	MAX	484	MIN	11	AC-FT	42610		

MAX DISCH 620 CFS AT 0015 12-MAY-1996 GH 2.66 FT. SHIFT -0.06 FT. MAX GH 2.66 FT. AT 0015 12-MAY-1996

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



## RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO

**LOCATION.**--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

**DRAINAGE AREA.**--116 mi<sup>2</sup>.

**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 record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--ALABELCO12 USED FROM 01-OCT-1995 TO 30-SEP-1996

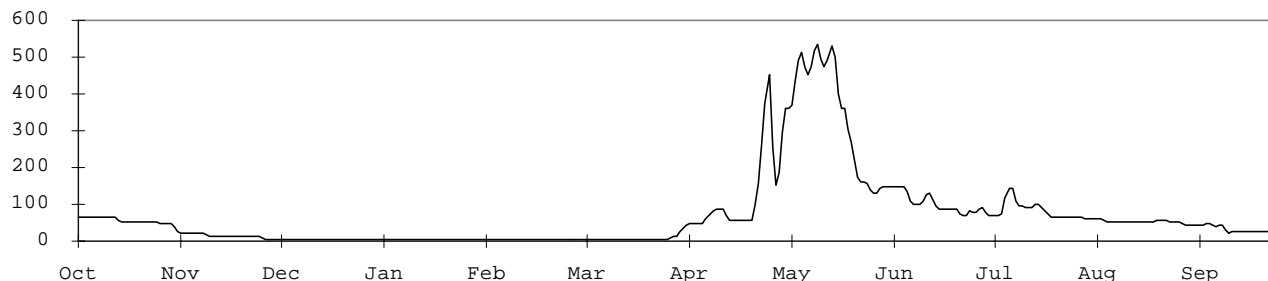
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	23	3.3	3.3	3.5	3.9	26	187	144	87	64	47
2	65	23	3.3	3.3	3.5	3.9	35	296	149	92	63	45
3	65	23	3.3	3.3	3.5	3.9	42	363	149	77	63	45
4	65	23	3.3	3.3	3.5	3.9	46	359	148	69	63	43
5	65	23	3.3	3.3	3.5	3.9	46	371	148	69	63	42
6	65	23	3.3	3.3	3.5	4.0	46	435	148	69	63	42
7	65	23	3.3	3.3	3.5	4.0	46	493	148	69	59	45
8	65	23	3.3	3.3	3.5	4.0	46	511	148	75	56	46
9	65	16	3.3	3.3	3.5	4.1	63	475	133	119	54	48
10	65	12	3.3	3.3	3.5	4.1	72	454	110	143	53	45
11	65	12	3.3	3.3	3.5	4.1	82	472	100	142	53	41
12	65	12	3.3	3.3	3.3	4.1	87	517	100	110	53	44
13	58	12	3.3	3.3	3.3	4.2	88	535	100	94	53	43
14	53	12	3.3	3.3	3.3	4.3	89	496	110	94	53	29
15	53	12	3.3	3.3	3.3	4.3	69	473	127	93	53	23
16	53	12	3.3	3.3	3.3	4.3	58	490	130	93	53	26
17	53	12	3.3	3.3	3.3	4.3	58	530	114	93	52	26
18	51	12	3.3	3.3	3.3	4.3	58	500	95	98	52	26
19	51	12	3.3	3.3	3.3	4.3	58	401	88	102	52	26
20	51	12	3.3	3.3	3.4	4.5	58	363	88	90	52	26
21	51	12	3.3	3.3	3.5	4.5	58	363	88	83	52	26
22	51	12	3.3	3.3	3.5	4.5	58	304	88	72	52	26
23	51	12	3.3	3.4	3.5	4.5	58	268	88	65	54	26
24	51	12	3.3	3.5	3.7	4.5	98	223	88	65	55	26
25	51	12	3.3	3.5	3.7	4.6	158	173	73	64	55	26
26	50	7.1	3.3	3.5	3.7	4.8	260	159	68	64	55	26
27	50	3.3	3.3	3.5	3.7	4.8	375	159	68	64	55	26
28	50	3.3	3.3	3.4	3.8	4.8	451	158	81	64	54	26
29	50	3.3	3.3	3.3	3.9	8.2	256	140	80	64	54	26
30	41	3.3	3.3	3.3	---	14	152	129	77	64	52	25
31	28	---	3.3	3.3	---	14	---	132	---	64	51	---
TOTAL	1727	412.3	102.3	103.3	101.3	155.6	3097	10929	3276	2611	1716	1017
MEAN	55.7	13.7	3.30	3.33	3.49	5.02	103	353	109	84.2	55.4	33.9
AC-FT	3430	818	203	205	201	309	6140	21680	6500	5180	3400	2020
MAX	65	23	3.3	3.5	3.9	14	451	535	149	143	64	48
MIN	28	3.3	3.3	3.3	3.3	3.9	26	129	68	64	51	23

CAL YR 1995 TOTAL 57276.5 MEAN 157 MAX 968 MIN 3.3 AC-FT 113600  
WTR YR 1996 TOTAL 25247.8 MEAN 69.0 MAX 535 MIN 3.3 AC-FT 50080

MAX DISCH 625 CFS AT 1045 07-MAY-1996 GH 4.42 FT. SHIFT 0.14 FT. MAX GH 4.42 FT. AT 1045 07-MAY-1996

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



RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO

**LOCATION.**--Lat 37°12'32", long 106°11'16", in NE¼ sec. 10, T.34 N., R.7 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.7 mi. downstream from Canyon Del Rancho, 7 mi. southwest of Capulin, and 16.5 mi. downstream from La Jara Reservoir.

**DRAINAGE AREA.**--98 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. 28-Dec. 3, 9-12, 1995; Mar. 9-27, 1996 well frozen; Dec. 13, 1995-Mar. 8-1996 when station closed for the winter; Stage-discharge relation affected by ice Oct. 23-24; Nov. 3-7, 10-13, 24-27, 1995. Record is good except for periods of no gage-height record and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--LAJCAPCO16 USED FROM 01-OCT-1995 TO 31-DEC-1995  
 LAJCAPCO17 USED FROM 01-JAN-1996 TO 30-SEP-1996

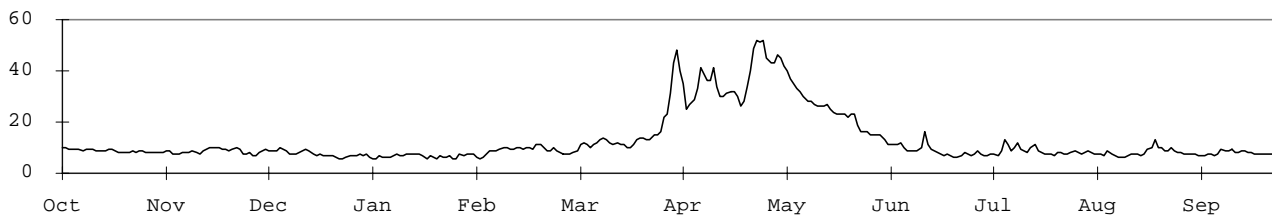
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	8.5	9.6	6.2	7.2	7.6	43	43	15	9.0	7.4	7.5
2	10	8.6	9.0	5.6	6.4	8.2	48	46	15	7.8	8.0	7.6
3	9.6	7.4	8.5	5.8	5.8	8.8	40	45	13	7.1	9.0	7.6
4	9.1	7.8	8.9	6.8	6.2	11	35	42	11	6.9	8.2	7.2
5	9.1	7.8	10	6.4	7.2	12	25	40	11	7.2	7.5	7.1
6	9.1	8.2	9.5	6.0	8.6	11	27	37	11	7.2	7.2	7.0
7	9.0	8.2	8.9	6.2	8.6	10	29	35	11	7.0	7.2	7.1
8	9.1	8.3	7.6	6.8	9.0	11	33	33	12	9.0	7.1	7.4
9	9.1	8.6	7.6	7.2	9.4	12	41	32	9.8	13	8.7	7.2
10	9.1	8.0	7.6	7.0	10	13	39	30	9.0	11	7.8	7.0
11	9.0	7.5	8.0	6.6	10	14	36	28	8.6	8.8	7.0	7.3
12	8.9	8.5	8.6	7.2	9.4	13	36	28	8.6	10	6.4	9.2
13	8.9	9.5	9.5	7.4	9.4	12	41	27	8.6	12	6.2	8.8
14	9.0	9.8	8.6	7.4	10	11	34	26	9.8	9.4	6.2	8.9
15	9.1	9.7	7.6	7.4	10	12	30	26	16	8.6	6.7	9.2
16	9.1	9.8	7.0	7.4	9.4	11	30	26	11	8.4	7.3	8.2
17	8.6	9.9	7.4	7.0	10	11	31	27	9.5	9.7	7.6	7.9
18	8.3	9.1	7.0	5.8	10	10	32	25	8.6	11	7.6	8.8
19	8.1	9.3	7.0	6.6	9.4	10	32	24	8.0	9.0	6.6	8.9
20	8.2	9.0	6.6	6.4	11	11	30	23	7.7	8.0	7.3	8.2
21	8.4	9.4	6.6	5.8	11	13	26	23	6.9	7.5	9.5	8.1
22	8.6	9.7	6.2	6.6	10	14	28	23	7.3	7.4	10	7.7
23	8.0	9.4	5.8	6.0	9.0	14	34	22	7.1	7.3	13	7.7
24	8.5	7.8	5.8	6.0	9.0	13	40	23	6.2	6.9	10	7.7
25	8.8	7.8	6.2	6.6	10	13	49	23	6.0	8.1	10	7.6
26	8.4	8.2	6.6	5.6	9.0	15	52	19	6.8	8.2	8.5	7.6
27	8.3	7.0	6.6	5.4	8.0	15	51	16	8.1	7.5	8.7	7.7
28	8.1	7.0	6.6	7.4	7.6	16	52	16	7.8	7.3	9.9	7.7
29	8.2	8.2	7.2	6.6	7.6	22	45	16	7.1	8.1	8.6	7.6
30	8.2	9.0	7.0	7.6	---	23	43	15	7.4	8.7	8.2	7.5
31	8.2	---	7.2	7.8	---	31	---	15	---	8.1	8.0	---
TOTAL	272.1	257.0	236.3	204.6	258.2	408.6	1112	854	284.9	265.2	251.4	235.0
MEAN	8.78	8.57	7.62	6.60	8.90	13.2	37.1	27.5	9.50	8.55	8.11	7.83
AC-FT	540	510	469	406	512	810	2210	1690	565	526	499	466
MAX	10	9.9	10	7.8	11	31	52	46	16	13	13	9.2
MIN	8.0	7.0	5.8	5.4	5.8	7.6	25	15	6.0	6.9	6.2	7.0

CAL YR 1995 TOTAL 8186.0 MEAN 22.4 MAX 141 MIN 5.2 AC-FT 16240  
 WTR YR 1996 TOTAL 4639.3 MEAN 12.7 MAX 52 MIN 5.4 AC-FT 9200

MAX DISCH 74 CFS AT 0045 02-APR-1996 GH 4.03 FT. SHIFT 0.01 FT. MAX GH 4.03 FT. AT 0045 02-APR-1996

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





## RIO GRANDE BASIN

## SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES, CO

**LOCATION.**--Lat 37°17'54", long 105°51'00, SW¼SW¼ sec. 2, T.35 N., R.10 E., Conejos County, Hydrologic Unit 13100002, on right bank of ditch.

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

**GAGE.**--Graphic water-stage recorder and a 3' Parshall Flume.

**REMARKS.**--Record is complete and reliable except for Dec. 23-28, 1995 when the well was frozen, Dec. 29, 1995 to Feb. 23, 1996 when the station was closed for the winter, and Apr. 20-30, May 1-3, Jun. 14-30, Jul. 1-5, 18-24, Aug. 24-31, and Sep. 1-6, 16-23, 1996 when the float tape was off of the wheel. Stage-discharge relation was affected by ice Dec. 17-18, 1995, Feb. 29, and Mar. 1-3, 1996. Record is good except for periods of no gage-height and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--NORDSCCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

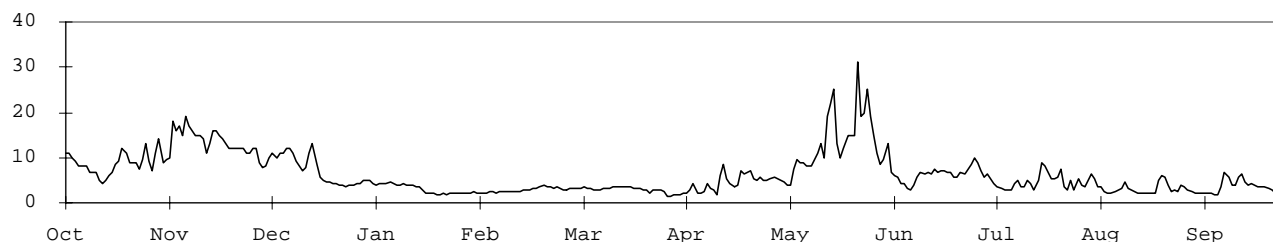
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	10	10	4.2	2.3	3.2	1.6	5.4	8.5	7.0	3.4	2.8
2	11	18	11	3.9	2.1	3.2	1.9	5.0	9.5	5.6	5.0	2.4
3	10	16	10	4.2	2.1	3.3	2.1	4.7	13	6.2	6.3	2.3
4	9.1	17	11	4.2	2.3	3.4	2.3	3.8	6.7	5.2	5.3	2.3
5	8.3	15	11	4.2	2.5	3.3	2.8	3.9	6.0	4.4	3.7	2.2
6	8.1	19	12	4.5	2.5	3.3	4.2	7.3	5.5	3.7	3.4	2.2
7	8.0	17	12	4.1	2.3	3.0	2.2	9.5	4.2	3.1	2.6	2.2
8	6.9	16	11	3.9	2.5	2.9	2.3	9.0	4.3	3.0	2.1	2.0
9	6.6	15	9.1	4.0	2.4	2.9	2.4	9.0	3.1	2.9	2.2	1.9
10	6.6	15	8.0	4.1	2.5	3.2	4.4	8.3	3.0	2.9	2.4	1.8
11	5.1	14	7.0	3.9	2.6	3.1	3.2	8.0	4.0	4.2	3.0	3.7
12	4.3	11	7.8	4.0	2.6	3.3	3.0	9.4	5.5	4.8	3.1	6.6
13	4.9	13	11	3.8	2.5	3.4	1.8	11	6.7	3.7	4.7	5.5
14	6.1	16	13	3.5	2.6	3.4	5.9	13	6.3	3.4	3.2	4.0
15	6.7	16	8.5	3.5	2.7	3.6	8.5	10	6.6	4.8	3.0	3.9
16	8.5	15	5.5	2.8	2.7	3.6	5.4	19	6.4	4.3	2.4	5.6
17	9.1	14	5.0	2.3	2.9	3.4	4.3	22	7.4	3.0	2.3	6.2
18	12	13	4.7	2.0	3.1	3.4	3.4	25	6.6	5.0	2.2	4.6
19	11	12	4.6	2.0	3.3	3.3	3.9	13	7.0	9.0	2.1	3.8
20	8.8	12	4.3	1.9	3.6	3.3	7.0	10	7.0	8.0	2.3	4.1
21	9.0	12	4.2	1.9	3.9	3.3	6.2	12	6.6	6.6	2.2	3.9
22	8.8	12	4.0	2.0	3.6	2.9	6.6	15	6.6	5.4	2.1	3.7
23	7.4	12	3.8	1.9	3.5	2.8	7.0	15	5.6	5.4	5.0	3.6
24	9.5	11	3.7	2.0	3.3	2.3	5.2	15	5.6	5.8	6.0	3.6
25	13	11	3.8	2.1	3.4	2.9	5.0	31	6.6	7.3	5.8	3.1
26	9.1	12	4.0	2.1	3.3	3.0	5.6	19	6.2	3.7	4.0	2.9
27	7.0	12	4.2	2.1	3.0	3.0	4.8	20	7.4	3.0	2.5	2.0
28	11	9.0	4.2	2.1	3.0	2.5	4.8	25	8.4	4.8	2.7	2.2
29	14	7.8	5.0	2.3	3.1	1.3	5.2	19	10	3.0	2.4	2.3
30	9.0	8.1	4.8	2.3	---	1.3	5.8	15	9.0	5.2	4.0	1.9
31	9.6	---	5.0	2.4	---	1.6	---	11	---	3.9	3.4	---
TOTAL	269.5	400.9	223.2	94.2	82.2	92.4	128.8	403.3	199.3	148.3	104.8	99.3
MEAN	8.69	13.4	7.20	3.04	2.83	2.98	4.29	13.0	6.64	4.78	3.38	3.31
AC-FT	535	795	443	187	163	183	255	800	395	294	208	197
MAX	14	19	13	4.5	3.9	3.6	8.5	31	13	9.0	6.3	6.6
MIN	4.3	7.8	3.7	1.9	2.1	1.3	1.6	3.8	3.0	2.9	2.1	1.8

CAL YR 1995 TOTAL 4111.2 MEAN 11.3 MAX 63 MIN 1.0 AC-FT 8150  
WTR YR 1996 TOTAL 2246.2 MEAN 6.14 MAX 31 MIN 1.3 AC-FT 4460

MAX DISCH 39 CFS AT 1515 16-MAY-1996 GH 2.12 FT. SHIFT 0.00 FT. MAX GH 2.12 FT. AT 1515 16-MAY-1996

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



RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO

LOCATION.--Lat 37°20'10", long 105°46'13", NE¼SW¼ sec. 28, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on 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 Nov. 28, 1995 to Feb. 23, 1996 when the station was closed for the winter, and Feb. 27-29, and Mar. 1-4, 6-8, 1996 when the well was frozen. Stage-discharge relation was affected by ice Nov. 5, 11-12, 24-27, 1995. Record is good except for periods of no gage-height and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

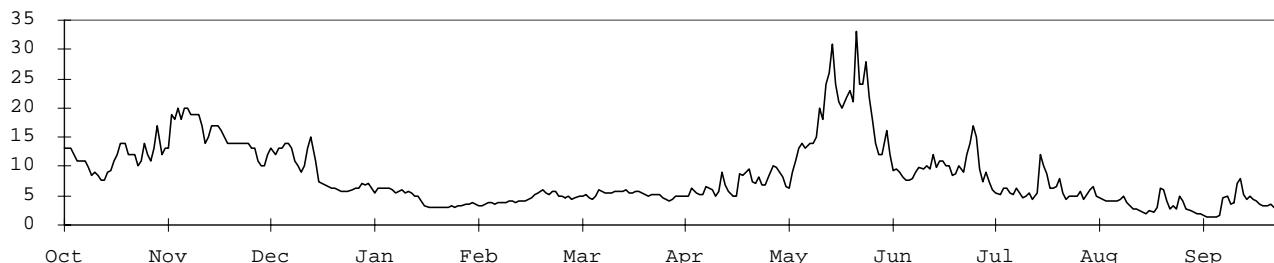
RATING TABLE.--NORDLSCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	13	12	6.2	3.5	4.5	4.9	9.8	12	9.5	4.3	2.8
2	13	19	13	5.6	3.2	4.7	4.8	8.9	12	7.3	5.1	2.5
3	13	18	12	6.2	3.3	4.8	4.8	8.2	16	8.9	6.0	2.1
4	12	20	13	6.2	3.5	5.0	4.9	6.6	12	7.3	6.5	2.0
5	11	18	13	6.2	3.7	5.2	4.9	6.3	9.4	6.0	4.8	1.9
6	11	20	14	6.4	3.9	4.6	6.2	9.1	9.6	5.5	4.6	1.7
7	11	20	14	6.0	3.6	4.4	5.4	11	8.9	5.1	4.5	1.5
8	9.8	19	13	5.6	3.9	5.0	5.1	13	8.3	6.2	4.0	1.5
9	8.4	19	11	5.8	3.7	5.9	5.1	14	7.6	6.3	4.0	1.4
10	9.0	19	10	6.0	3.9	5.7	6.5	13	7.7	5.5	4.0	1.3
11	8.4	17	9.0	5.6	4.1	5.4	6.2	14	7.9	5.3	4.1	1.6
12	7.7	14	10	5.8	4.0	5.4	5.9	14	9.1	6.4	4.3	4.7
13	7.7	15	13	5.4	3.8	5.4	5.0	15	9.9	5.5	4.8	5.0
14	9.0	17	15	5.0	4.0	5.7	5.8	20	9.6	4.6	3.9	3.6
15	9.4	17	11	5.0	4.2	5.7	8.9	18	10	4.9	3.3	3.7
16	11	17	7.5	4.0	4.0	5.7	6.7	24	9.6	5.6	2.8	7.0
17	12	16	7.0	3.4	4.3	5.9	5.7	26	12	4.4	2.7	8.0
18	14	15	6.7	3.0	4.7	5.5	4.9	31	9.9	5.5	2.5	5.3
19	14	14	6.6	3.1	5.2	5.4	4.9	24	11	12	2.1	4.4
20	12	14	6.3	2.9	5.6	5.7	8.8	21	11	10	2.0	5.0
21	12	14	6.2	2.9	6.0	5.7	8.6	20	10	8.7	2.4	4.4
22	12	14	6.0	3.1	5.6	5.4	8.9	22	10	6.3	2.1	4.0
23	10	14	5.8	2.9	5.2	5.2	9.5	23	8.4	6.3	3.0	3.5
24	11	14	5.8	3.1	5.7	4.9	7.3	21	8.7	6.6	6.4	3.2
25	14	14	5.8	3.2	5.7	5.2	7.0	33	10	8.0	6.1	3.3
26	12	13	6.0	3.1	4.9	5.1	8.1	24	9.1	5.6	4.1	3.6
27	11	13	6.2	3.3	4.8	5.1	6.8	24	12	4.5	2.6	3.0
28	13	11	6.2	3.2	4.6	4.7	6.8	28	14	4.9	3.2	3.1
29	17	10	7.0	3.5	4.8	4.3	8.2	22	17	4.8	2.6	3.2
30	12	10	6.8	3.5	---	4.2	10	18	15	4.8	4.9	2.9
31	13	---	7.0	3.7	---	4.5	---	14	---	5.7	4.1	---
TOTAL	353.4	468	285.9	138.9	127.4	159.9	196.6	555.9	317.7	198.0	121.8	101.2
MEAN	11.4	15.6	9.22	4.48	4.39	5.16	6.55	17.9	10.6	6.39	3.93	3.37
AC-FT	701	928	567	276	253	317	390	1100	630	393	242	201
MAX	17	20	15	6.4	6.0	5.9	10	33	17	12	6.5	8.0
MIN	7.7	10	5.8	2.9	3.2	4.2	4.8	6.3	7.6	4.4	2.0	1.3
CAL YR 1995 TOTAL		5864.9	MEAN	16.1	MAX	81	MIN	2.7	AC-FT	11630		
WTR YR 1996 TOTAL		3024.7	MEAN	8.26	MAX	33	MIN	1.3	AC-FT	6000		

MAX DISCH 36 CFS AT 1315 25-MAY-1996 GH 1.15 FT. SHIFT -0.07 FT. MAX GH 1.20 FT. AT 1330 07-MAR-1996

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



## RIO GRANDE BASIN

08240000 RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK, NEAR LASAUSES, CO

**LOCATION.**--Lat 37°18'58", long 105°44'32", in sec. 35, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank 0.2 mi upstream from the historical channel of Trinchera Creek, 3.2 mi north of Lasauses, and 13 mi southeast of Alamosa.

**DRAINAGE AREA.**--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 Jan 24-Feb. 15, 1996 when the station was closed for the winter, and Sep. 2-23, 29-30, 1996 when the inlets were plugged. Stage-discharge relation affected by ice Dec. 18-31, 1995, and Jan. 1-23, 1996. Record is good except for periods of no gage height, ice affected and plugged orifice record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--RIOTRICO11 USED FROM 01-OCT-1995 TO 30-SEP-1996

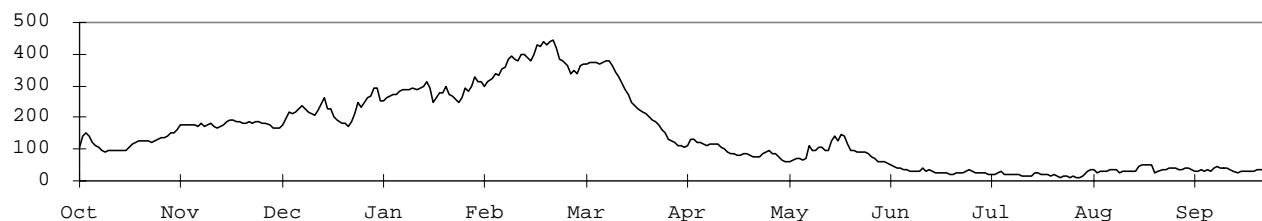
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	175	169	255	315	340	112	84	63	25	10	37
2	143	179	179	255	300	365	111	75	61	24	10	35
3	151	175	197	265	315	369	108	67	62	25	15	38
4	142	175	215	270	325	367	111	61	58	23	32	39
5	121	179	214	275	340	373	129	63	48	19	35	36
6	111	174	216	275	335	374	130	68	43	18	33	30
7	105	180	225	285	355	372	122	69	39	18	27	28
8	96	173	238	290	360	369	120	70	38	26	32	33
9	92	175	226	290	385	372	118	66	36	28	32	32
10	96	181	217	290	395	377	112	69	34	19	32	34
11	96	170	212	295	385	379	118	113	28	20	35	31
12	95	166	207	290	380	363	118	94	28	21	35	42
13	95	173	223	295	400	345	115	95	30	20	35	44
14	97	176	244	300	400	326	107	107	32	18	27	38
15	98	186	263	315	390	308	103	104	39	17	29	38
16	104	193	229	295	381	286	90	94	32	17	31	39
17	116	192	227	250	401	273	87	98	34	15	29	36
18	122	188	200	265	430	250	84	126	30	14	29	31
19	124	185	190	280	425	235	81	140	26	25	32	27
20	124	181	180	280	439	227	83	125	25	24	43	30
21	126	183	180	300	430	218	86	145	23	22	48	29
22	125	186	170	275	440	211	88	141	24	18	50	28
23	123	184	185	270	443	201	83	117	21	18	49	28
24	126	185	210	260	417	193	75	95	19	16	49	31
25	133	186	245	245	386	185	76	98	25	20	27	33
26	135	182	230	265	381	176	74	92	27	16	30	35
27	135	182	250	295	363	160	86	93	26	12	34	35
28	139	175	265	285	340	149	91	91	28	13	35	38
29	150	168	270	300	351	131	96	85	33	13	41	30
30	154	167	295	330	---	126	87	75	31	12	39	35
31	164	---	295	315	---	119	---	69	---	13	39	---
TOTAL	3743	5374	6866	8755	11007	8539	3001	2889	1043	589	1024	1020
MEAN	121	179	221	282	380	275	100	93.2	34.8	19.0	33.0	34.0
AC-FT	7420	10660	13620	17370	21830	16940	5950	5730	2070	1170	2030	2020
MAX	164	193	295	330	443	379	130	145	63	28	50	44
MIN	92	166	169	245	300	119	74	61	19	12	10	27

CAL YR 1995 TOTAL 142307 MEAN 390 MAX 3950 MIN 77 AC-FT 282300  
WTR YR 1996 TOTAL 53850 MEAN 147 MAX 443 MIN 10 AC-FT 106800

MAX DISCH 526 CFS AT 2100 19-FEB-1996 GH 3.35 FT. SHIFT 0.03 FT. MAX GH 3.63 FT. AT 2030 20-DEC-1995

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



## RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO

**LOCATION.**--Lat 37°22'29", long 105°17'40", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

**DRAINAGE AREA.**--45 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. 6-30, 1996 when the well was frozen; Jan. 31-Feb. 29, 1996 when the station was closed for the winter. Stage-discharge relation affected by ice Oct. 24; Nov. 4, 11-12, 28, 30; Dec. 1, 3, 10-12, 15-31, 1995; Jan. 1-5; Mar. 1-3, 6-9, 18-21, 25-26, 1996. Record is good except for periods of no gage-height record and when stage-discharge relation was ice affected, which is fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--TRITURCO12 USED FROM 01-OCT-1995 TO 30-SEP-1996

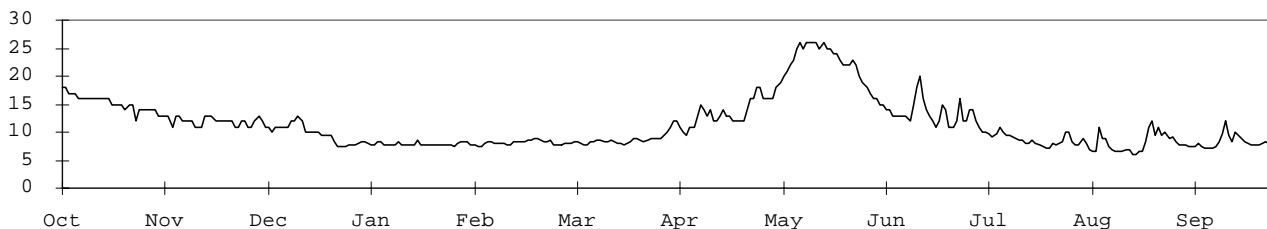
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	13	11	8.0	7.6	8.0	11	16	16	14	7.7	7.8
2	18	13	11	7.6	7.6	8.0	12	16	16	12	7.6	7.7
3	17	11	10	7.8	7.4	8.2	12	18	15	11	8.8	7.8
4	17	13	11	8.4	7.4	8.2	11	19	15	10	8.0	7.5
5	17	13	11	8.4	8.0	8.0	10	20	14	10	7.0	7.4
6	16	12	11	7.8	8.4	7.6	9.5	21	14	9.6	6.6	7.4
7	16	12	11	7.8	8.4	7.8	11	22	13	9.1	6.6	7.9
8	16	12	11	7.8	8.0	8.2	11	23	13	9.6	11	7.5
9	16	12	12	7.8	8.0	8.4	13	25	13	11	8.8	7.1
10	16	11	12	8.4	8.0	8.7	15	26	13	9.9	8.9	7.1
11	16	11	13	7.8	8.0	8.6	14	25	13	9.4	7.4	7.1
12	16	11	12	7.8	7.8	8.4	13	26	12	9.4	6.8	7.5
13	16	13	10	7.8	7.8	8.4	14	26	15	9.2	6.6	8.3
14	16	13	10	7.8	8.2	8.6	12	26	18	8.9	6.7	9.8
15	16	13	10	7.8	8.2	8.4	12	26	20	8.5	6.6	12
16	15	12	10	8.6	8.2	8.1	13	25	16	8.6	6.8	9.4
17	15	12	10	7.8	8.2	8.1	14	26	14	8.1	6.8	8.4
18	15	12	9.4	7.8	8.6	7.8	13	25	13	8.1	6.1	10
19	15	12	9.4	7.8	8.6	8.0	13	25	12	8.6	6.1	9.3
20	14	12	9.4	7.8	9.0	8.4	12	24	11	7.9	6.5	8.8
21	15	12	9.4	7.8	9.0	9.0	12	24	12	7.6	6.7	8.4
22	15	11	8.4	7.8	8.6	8.9	12	23	15	7.4	8.4	8.0
23	12	11	7.4	7.8	8.2	8.6	12	22	14	7.2	11	7.7
24	14	12	7.4	7.8	8.2	8.4	14	22	11	7.1	12	7.7
25	14	12	7.4	7.8	8.6	8.6	16	22	11	8.1	9.4	7.6
26	14	11	7.8	7.6	7.8	8.8	16	23	12	7.8	11	8.0
27	14	11	7.8	7.4	7.8	9.0	18	22	16	8.0	9.3	8.2
28	14	12	7.8	8.0	7.8	8.8	18	20	12	8.2	10	8.0
29	14	13	8.0	8.4	8.0	9.0	16	19	12	10	8.9	8.0
30	13	12	8.4	8.4	---	9.3	16	18	14	10	9.2	7.8
31	13	---	8.4	8.4	---	10	---	17	---	8.2	8.3	---
TOTAL	473	360	302.4	245.8	235.4	262.3	395.5	692	415	282.5	251.6	245.2
MEAN	15.3	12.0	9.75	7.93	8.12	8.46	13.2	22.3	13.8	9.11	8.12	8.17
AC-FT	938	714	600	488	467	520	784	1370	823	560	499	486
MAX	18	13	13	8.6	9.0	10	18	26	20	14	12	12
MIN	12	11	7.4	7.4	7.4	7.6	9.5	16	11	7.1	6.1	7.1

CAL YR 1995 TOTAL 12186.1 MEAN 33.4 MAX 233 MIN 7.3 AC-FT 24170  
WTR YR 1996 TOTAL 4160.7 MEAN 11.4 MAX 26 MIN 6.1 AC-FT 8250

MAX DISCH 26 CFS AT 2300 09-MAY-1996 GH 1.57 FT. SHIFT -0.13 FT. MAX GH 2.16 FT. AT 0730 20-DEC-1995

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



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO

**LOCATION.**--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

**DRAINAGE AREA.**--57 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder.

**REMARKS.**--Record is complete and reliable. Stage-discharge relation was ice affected Dec. 16-17, 1995; Jan. 18, 1996. Record is good except for ice affected periods which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

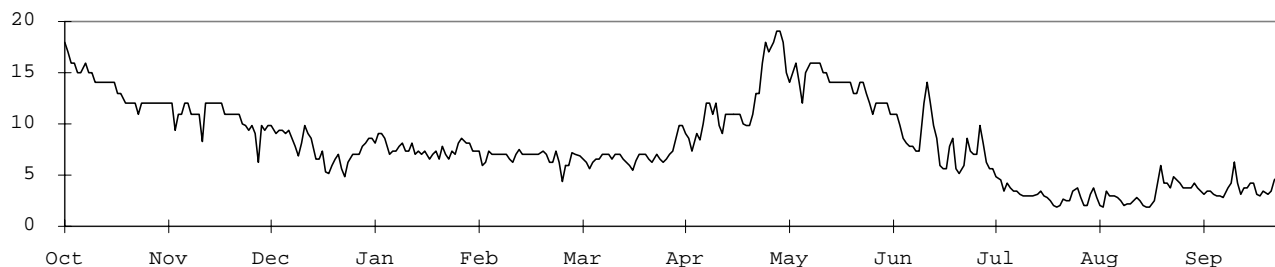
**RATING TABLE.**--TRIMTNC006 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	12	9.9	8.6	7.4	7.2	8.6	19	12	9.8	2.0	3.8
2	17	12	9.8	8.2	7.4	7.1	9.8	19	12	8.2	2.0	3.8
3	16	9.4	9.0	9.0	6.0	6.8	9.8	18	12	6.3	3.2	4.2
4	16	11	9.4	9.0	6.3	6.6	9.0	15	11	5.6	3.8	3.8
5	15	11	9.4	8.6	7.4	6.3	8.6	14	11	5.6	2.8	3.5
6	15	12	9.0	7.0	7.0	5.6	7.4	15	11	4.9	2.0	3.2
7	16	12	9.4	7.4	7.0	6.2	9.0	16	9.8	4.6	1.8	3.5
8	15	11	8.6	7.4	7.0	6.6	8.4	14	8.6	3.5	3.4	3.5
9	15	11	7.8	7.8	7.0	6.5	10	12	8.2	4.2	3.0	3.2
10	14	11	6.9	8.2	7.0	7.0	12	15	7.8	3.8	3.0	3.0
11	14	8.3	8.1	7.4	6.6	7.0	12	16	7.8	3.5	2.8	3.0
12	14	12	9.9	7.4	6.3	7.0	11	16	7.4	3.5	2.5	2.8
13	14	12	9.0	8.2	7.0	6.6	12	16	7.4	3.2	2.0	3.8
14	14	12	8.6	7.0	7.5	7.0	9.8	16	12	3.0	2.2	4.2
15	14	12	6.6	7.4	7.0	7.0	9.1	15	14	3.0	2.2	6.3
16	14	12	6.6	7.0	7.1	6.6	11	15	12	3.0	2.5	4.2
17	13	12	7.4	7.4	7.0	6.3	11	14	9.8	3.0	2.8	3.2
18	13	11	5.3	6.6	7.0	5.9	11	14	8.6	3.2	2.5	3.8
19	12	11	5.2	7.0	7.1	5.5	11	14	6.0	3.5	2.0	3.8
20	12	11	6.0	7.4	7.0	6.4	11	14	5.6	3.0	1.8	4.2
21	12	11	6.6	6.6	7.4	7.1	10	14	5.6	2.8	1.8	4.2
22	12	11	7.0	7.8	7.0	7.0	9.8	14	7.8	2.5	2.5	3.2
23	11	10	5.6	7.0	6.3	7.0	9.8	14	8.6	2.0	4.2	3.0
24	12	9.8	4.9	6.6	6.2	6.6	11	13	5.6	1.8	6.0	3.4
25	12	9.4	6.3	7.4	7.3	6.2	13	13	5.2	2.0	4.2	3.2
26	12	9.8	7.0	7.0	6.3	7.0	13	14	6.0	2.6	4.2	3.5
27	12	9.0	7.0	8.2	4.4	6.6	16	14	8.6	2.5	3.8	4.6
28	12	6.3	7.0	8.6	5.9	6.3	18	13	7.4	2.5	4.9	4.9
29	12	9.8	7.8	8.2	6.0	6.6	17	12	7.0	3.5	4.6	4.2
30	12	9.4	8.2	8.2	---	7.0	18	11	7.0	3.8	4.2	3.8
31	12	---	8.6	7.4	---	7.4	---	12	---	2.8	3.8	---
TOTAL	422	321.2	237.9	237.0	195.9	206.0	337.1	451	262.8	117.2	94.5	112.8
MEAN	13.6	10.7	7.67	7.65	6.76	6.65	11.2	14.5	8.76	3.78	3.05	3.76
AC-FT	837	637	472	470	389	409	669	895	521	232	187	224
MAX	18	12	9.9	9.0	7.5	7.4	18	19	14	9.8	6.0	6.3
MIN	11	6.3	4.9	6.6	4.4	5.5	7.4	11	5.2	1.8	1.8	2.8
CAL YR 1995 TOTAL		10023.5	MEAN	27.5	MAX	214	MIN	4.9	AC-FT	19880		
WTR YR 1996 TOTAL		2995.4	MEAN	8.18	MAX	19	MIN	1.8	AC-FT	5940		

MAX DISCH 32 CFS AT 1830 07-OCT-1995 GH 0.89 FT. SHIFT 0.15 FT. MAX GH 0.89 FT. AT 1830 07-OCT-1995

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



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO

**LOCATION.**--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

**DRAINAGE AREA.**--190 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. 29, 1995-Jan. 2, 1996; Jan. 4-23, 25, 28-31; Feb. 1-2, 5-11, 1996 when one of the inlets was frozen, causing the gage to be isolated; Feb. 15, 26-27, 1996 when the well was frozen. Stage-discharge relation affected by ice Oct. 23; Nov. 11-12, 25, 28-29; Dec. 3, 8-11, 15-28, 1995; Jan. 3, 24, 26-27; Feb. 3-4, 12-14, 16, 23-24, 28-29; Mar. 1-3, 7-9, 18-20, 25-26, 1996. Record is good except for periods of no gage-height and periods of ice affect, which are fair. Station maintained and records developed by Div. III Hydrographic Staff.

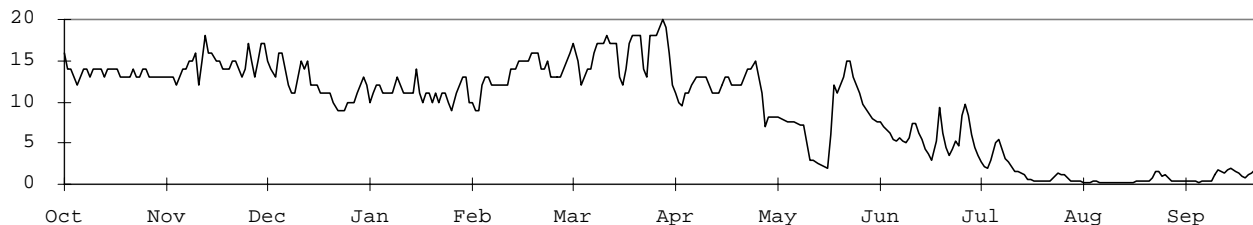
**RATING TABLE.**--SANFTGCO18 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	13	17	12	10	14	19	6.9	9.2	9.8	0.71	0.84
2	14	13	15	10	10	15	16	8.1	8.6	8.3	0.41	0.45
3	14	13	14	11	9.0	16	12	8.1	8.0	6.1	0.37	0.41
4	13	12	13	12	9.0	17	11	8.1	7.6	4.5	0.35	0.35
5	12	13	16	12	12	15	9.9	8.1	7.6	3.5	0.31	0.30
6	13	14	16	11	13	12	9.6	8.0	7.0	2.8	0.27	0.32
7	14	14	14	11	13	13	11	7.8	6.6	2.2	0.26	0.38
8	14	15	12	11	12	14	11	7.6	6.2	2.0	0.28	0.35
9	13	15	11	11	12	14	12	7.6	5.5	3.0	0.31	0.32
10	14	16	11	13	12	16	13	7.5	5.3	5.0	0.32	0.29
11	14	12	13	12	12	17	13	7.4	5.6	5.5	0.27	0.30
12	14	15	15	11	12	17	13	7.2	5.2	4.3	0.24	0.35
13	13	18	14	11	12	17	13	7.1	5.0	3.2	0.27	0.41
14	14	16	15	11	14	18	12	5.0	5.6	2.7	0.28	0.44
15	14	16	12	11	14	17	11	3.0	7.3	2.1	0.27	1.2
16	14	15	12	14	15	17	11	2.9	7.3	1.5	0.27	1.7
17	14	15	12	11	15	17	11	2.5	6.2	1.5	0.27	1.5
18	13	14	11	10	15	13	12	2.3	5.4	1.3	0.26	1.4
19	13	14	11	11	15	12	13	2.2	4.2	1.1	0.26	1.8
20	13	14	11	11	16	14	13	1.9	3.6	0.66	0.28	2.0
21	13	15	11	10	16	17	12	6.1	3.0	0.50	0.28	1.6
22	14	15	10	11	16	18	12	12	5.3	0.41	0.32	1.3
23	13	14	9.0	10	14	18	12	11	9.4	0.38	0.38	0.94
24	13	13	9.0	11	14	18	12	12	6.3	0.35	0.41	0.86
25	14	14	9.0	11	15	14	13	13	4.4	0.35	0.40	1.1
26	14	17	10	10	13	13	14	15	3.5	0.35	0.36	1.4
27	13	15	10	9.0	13	18	14	15	4.2	0.37	0.74	1.8
28	13	13	10	11	13	18	15	13	5.2	0.85	1.5	2.4
29	13	15	11	12	13	18	13	12	4.7	1.4	1.5	2.4
30	13	17	12	13	---	19	11	11	8.3	1.2	0.91	2.3
31	13	---	13	13	---	20	---	9.7	---	1.1	1.2	---
TOTAL	419	435	379.0	348.0	379.0	496	374.5	249.1	181.3	78.33	14.23	31.23
MEAN	13.5	14.5	12.2	11.2	13.1	16.0	12.5	8.04	6.04	2.53	0.46	1.04
AC-FT	831	863	752	690	752	984	743	494	360	155	28	62
MAX	16	18	17	14	16	20	19	15	9.4	9.8	1.5	2.4
MIN	12	12	9.0	9.0	9.0	12	9.6	1.9	3.0	0.35	0.24	0.29
CAL YR 1995 TOTAL	13009.6		MEAN	35.6	MAX	187	MIN	7.8	AC-FT	25800		
WTR YR 1996 TOTAL	3384.69		MEAN	9.25	MAX	20	MIN	0.24	AC-FT	6710		

MAX DISCH 50 CFS AT 1930 30-JUN-1996 GH 2.05 FT. SHIFT -0.05 FT. MAX GH 2.46 FT. AT 1030 07-JAN-1996

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



## RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO

**LOCATION.**--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

**DRAINAGE AREA.**--32 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: Dec. 16-31, 1995; Jan. 1-4, 1996 when the well was frozen; Jan. 5-Mar. 27, 1996 when the station was closed for the winter; Dec. 9, 1995 and Aug. 23, 1996 when the recorders were missing data. Record is good except for periods of no gage-height record and missing data which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

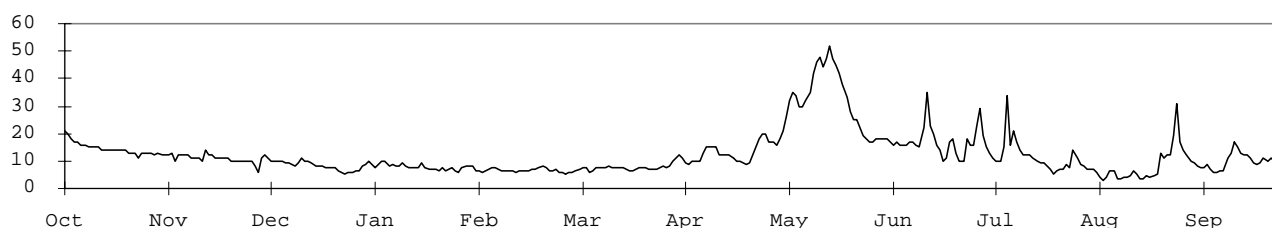
**RATING TABLE.**--UTEFTGCO17 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	12	11	8.8	6.4	5.8	11	16	18	29	7.9	12
2	20	13	10	7.8	6.4	6.2	12	18	18	19	7.2	10
3	18	9.8	10	8.6	5.8	6.8	11	21	18	15	6.7	9.4
4	17	12	10	10	6.2	7.8	9.5	26	17	13	6.7	8.3
5	17	12	9.8	10	7.2	7.6	8.9	32	16	11	5.6	7.5
6	16	12	9.6	8.2	7.6	6.0	9.8	35	17	10	4.3	7.7
7	16	12	9.3	8.6	7.8	6.4	9.7	34	16	9.8	3.0	8.6
8	15	11	8.8	8.4	7.2	7.4	10	30	16	15	4.2	6.9
9	15	11	7.9	8.4	6.6	7.4	13	30	16	34	6.6	6.1
10	15	11	9.1	9.2	6.6	7.4	15	32	17	16	6.5	5.8
11	15	9.7	11	8.4	6.4	7.8	15	35	17	21	3.5	6.3
12	14	14	10	7.8	6.2	8.2	15	42	16	17	3.4	6.6
13	14	12	9.7	7.8	6.0	7.8	15	46	15	14	4.1	11
14	14	12	9.4	7.6	6.6	7.4	12	48	22	12	4.2	13
15	14	11	8.1	7.6	6.4	7.8	12	44	35	12	4.5	17
16	14	11	8.0	9.4	6.6	7.6	12	47	23	12	6.4	15
17	14	11	8.2	7.8	6.2	7.0	12	52	20	11	5.1	13
18	14	11	7.6	7.0	7.2	6.6	11	47	16	9.9	3.7	12
19	14	11	7.8	7.2	7.0	6.2	10	45	14	9.5	3.5	12
20	13	10	7.6	7.0	7.8	6.8	9.9	42	10	9.2	4.5	11
21	13	10	7.6	6.6	8.2	7.4	9.3	38	11	8.2	4.3	9.4
22	13	10	6.6	7.4	7.4	7.6	8.9	33	17	6.7	4.7	8.8
23	11	10	6.0	6.6	6.2	7.8	9.1	28	18	5.3	5.3	9.4
24	13	9.7	5.2	7.2	6.2	7.0	12	25	13	6.3	13	11
25	13	9.9	6.0	7.6	6.8	7.0	15	25	10	7.0	11	9.8
26	13	10	6.0	6.6	6.0	7.2	18	22	10	6.7	12	11
27	13	8.0	6.6	6.0	5.6	7.4	20	19	18	8.6	12	10
28	12	5.7	6.6	7.8	5.4	7.9	20	18	16	7.7	19	9.9
29	13	11	8.0	8.4	5.6	7.3	17	17	16	14	31	9.4
30	12	12	9.0	8.4	---	8.2	17	17	23	11	17	8.6
31	12	---	10	8.0	---	9.7	---	18	---	8.8	14	---
TOTAL	448	324.8	260.5	246.2	191.6	226.5	380.1	982	509	389.7	244.9	296.5
MEAN	14.5	10.8	8.40	7.94	6.61	7.31	12.7	31.7	17.0	12.6	7.90	9.88
AC-FT	889	644	517	488	380	449	754	1950	1010	773	486	588
MAX	21	14	11	10	8.2	9.7	20	52	35	34	31	17
MIN	11	5.7	5.2	6.0	5.4	5.8	8.9	16	10	5.3	3.0	5.8
CAL YR 1995 TOTAL	16214.9		MEAN	44.4	MAX	262	MIN	5.2	AC-FT	32160		
WTR YR 1996 TOTAL	4499.8		MEAN	12.3	MAX	52	MIN	3.0	AC-FT	8930		

MAX DISCH 74 CFS AT 2345 08-JUL-1996 GH 2.34 FT. SHIFT 0.11 FT. MAX GH 2.34 FT. AT 2345 08-JUL-1996

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



RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO

**LOCATION.**--Lat 37°23'10", long 105°33'02", in sec. 4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.6 mi downstream from Smith Reservoir, and 4.0 mi southwest of Blanca, Co.

**DRAINAGE AREA.**--396 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

**REMARKS.**--Flows regulated by Smith Reservoir. Record is complete and reliable except for Jan. 2-5, 1996 when the recorder clock stopped and the shaft encoder float was frozen. Stage-discharge relation affected by ice Dec. 18, 1995. Record is good except for periods of no gage-height and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

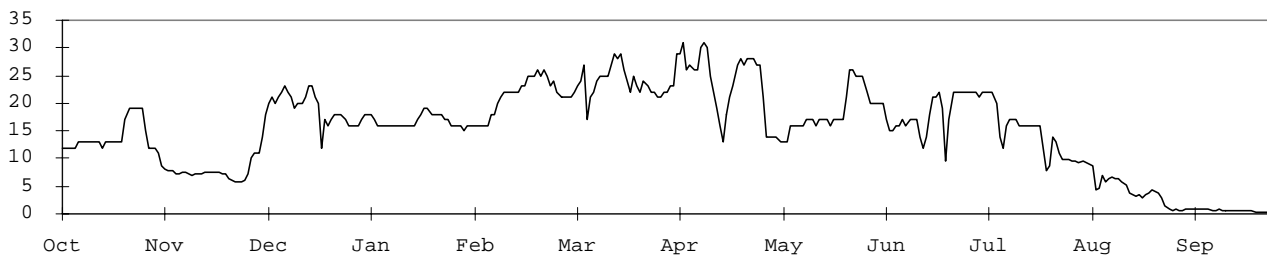
**RATING TABLE.**--TRISMIC011 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	8.1	18	18	16	21	23	14	20	22	9.5	0.69
2	12	7.8	20	18	16	21	23	14	20	22	9.3	0.72
3	12	7.7	21	17	16	22	29	14	20	21	9.5	0.81
4	12	7.2	20	16	16	23	29	13	20	22	9.3	0.79
5	12	7.2	21	16	16	24	31	13	17	22	9.1	0.79
6	13	7.4	22	16	16	27	26	13	15	22	8.7	0.76
7	13	7.4	23	16	18	17	27	16	15	22	4.3	0.85
8	13	7.1	22	16	18	21	26	16	16	20	4.6	0.75
9	13	7.0	21	16	20	22	26	16	16	14	6.8	0.76
10	13	7.2	19	16	21	24	30	16	17	12	5.9	0.75
11	13	7.2	20	16	22	25	31	16	16	16	6.3	0.62
12	13	7.2	20	16	22	25	30	17	17	17	6.6	0.62
13	12	7.6	21	16	22	25	25	17	17	17	6.5	0.73
14	13	7.4	23	16	22	27	22	17	17	17	6.3	0.67
15	13	7.4	23	16	22	29	19	16	14	16	5.7	0.70
16	13	7.4	21	17	23	28	16	17	12	16	5.1	0.62
17	13	7.4	20	18	23	29	13	17	14	16	3.7	0.54
18	13	7.2	12	19	25	26	18	17	18	16	3.5	0.56
19	13	7.1	17	19	25	24	21	16	21	16	3.1	0.61
20	17	6.5	16	18	25	22	23	17	21	16	3.4	0.60
21	19	6.1	17	18	26	25	27	17	22	16	2.8	0.52
22	19	5.9	18	18	25	23	28	17	19	12	3.4	0.53
23	19	5.8	18	18	26	22	27	17	9.6	7.8	3.9	0.47
24	19	5.7	18	17	25	24	28	21	17	8.8	4.2	0.32
25	19	6.1	17	17	23	23	28	26	22	14	4.0	0.25
26	15	7.1	16	16	24	22	28	26	22	13	3.9	0.28
27	12	10	16	16	22	22	27	25	22	11	2.8	0.33
28	12	11	16	16	21	21	27	25	22	9.9	1.4	0.28
29	12	11	16	16	21	21	21	25	22	9.9	0.73	0.44
30	11	14	17	15	---	22	14	22	22	9.7	0.59	0.37
31	8.8	---	18	16	---	22	---	20	---	9.6	0.73	---
TOTAL	423.8	229.2	587	519	617	729	743	553	542.6	483.7	155.65	17.77
MEAN	13.7	7.64	18.9	16.7	21.3	23.5	24.8	17.8	18.1	15.6	5.02	0.59
AC-FT	841	455	1160	1030	1220	1450	1470	1100	1080	959	309	35
MAX	19	14	23	19	26	29	31	26	22	22	9.5	0.85
MIN	8.8	5.7	12	15	16	17	13	13	9.6	7.8	0.59	0.25
CAL YR 1995 TOTAL		19805.0	MEAN	54.3	MAX	259	MIN	1.3	AC-FT	39280		
WTR YR 1996 TOTAL		5600.73	MEAN	15.3	MAX	31	MIN	0.25	AC-FT	11110		

MAX DISCH 71 CFS AT 1130 06-MAR-1996 GH 3.88 FT. SHIFT 0.01 FT. MAX GH 3.88 FT. AT 1130 06-MAR-1996

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





## RIO GRANDE BASIN

08245000 CONEJOS RIVER BELOW PLATORO RESERVOIR, CO

**LOCATION.**--Lat 37°21'18", long 106°32'37", Conejos County, Hydrologic Unit 13010005, on left bank 1,100 ft downstream from valve house for Platoro Reservoir and 0.7 mi northwest of Platoro.

**DRAINAGE AREA.**--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.**--Record is complete and reliable except for Nov. 1, 1995-Apr. 3, 1996 when the station was closed for the winter, and June 11, 1996 when the pen was not inking and there was only partial satellite data. Record is good except for periods of no gage-height record which are fair. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--CONPLACO12 USED FROM 01-OCT-1995 TO 30-SEP-1996

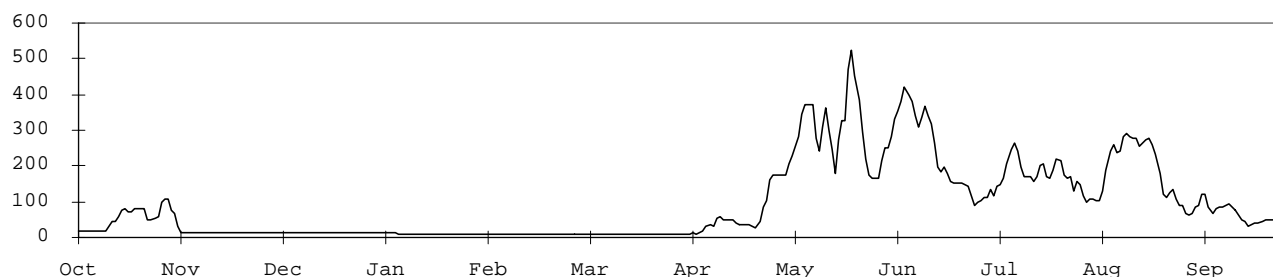
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	12	12	12	7.2	7.6	8.1	175	251	110	99	62
2	19	12	12	12	7.2	7.6	8.1	175	252	114	108	67
3	19	12	12	12	7.2	7.7	8.1	205	281	133	107	84
4	19	12	12	12	7.3	7.7	12	228	333	116	104	91
5	19	12	12	12	7.3	7.7	11	256	352	142	103	120
6	19	12	12	11	7.3	7.7	13	281	380	149	128	122
7	19	12	12	11	7.3	7.7	18	343	423	165	186	83
8	19	12	12	11	7.3	7.7	31	372	399	204	242	68
9	19	12	12	11	7.3	7.7	37	372	381	247	259	79
10	33	12	12	11	7.3	7.8	33	372	340	265	239	85
11	44	12	12	11	7.4	7.8	54	278	307	243	241	83
12	44	12	12	11	7.4	7.8	58	241	338	195	282	91
13	59	12	12	11	7.4	7.8	48	307	369	172	292	92
14	77	12	12	11	7.4	7.8	48	361	342	172	280	87
15	81	12	12	10	7.4	7.8	48	301	318	170	279	74
16	70	12	12	10	7.4	7.8	48	246	264	157	279	63
17	73	12	12	10	7.4	7.9	42	179	197	172	255	50
18	81	12	12	10	7.5	7.9	36	274	183	200	263	43
19	82	12	12	9.0	7.5	7.9	36	327	197	206	275	33
20	81	12	12	7.1	7.5	7.9	37	327	178	168	279	34
21	82	12	12	7.1	7.5	7.9	36	468	158	165	258	41
22	51	12	12	7.1	7.5	7.9	30	526	153	190	233	41
23	48	12	12	7.1	7.5	7.9	28	452	153	220	181	43
24	54	12	12	7.1	7.5	8.0	46	386	153	215	121	48
25	60	12	12	7.1	7.6	8.0	84	297	148	176	110	49
26	98	12	12	7.1	7.6	8.0	103	220	142	164	124	49
27	109	12	12	7.1	7.6	8.0	159	176	115	172	133	49
28	108	12	12	7.2	7.6	8.0	176	166	88	131	107	49
29	78	12	12	7.2	7.6	8.0	176	166	97	155	90	61
30	69	12	12	7.2	---	8.0	176	166	104	149	90	66
31	31	---	12	7.2	---	8.1	---	217	---	115	69	---
TOTAL	1684	360	372	293.6	215.0	243.1	1648.3	8860	7396	5352	5816	2007
MEAN	54.3	12.0	12.0	9.47	7.41	7.84	54.9	286	247	173	188	66.9
AC-FT	3340	714	738	582	426	482	3270	17570	14670	10620	11540	3980
MAX	109	12	12	12	7.6	8.1	176	526	423	265	292	122
MIN	19	12	12	7.1	7.2	7.6	8.1	166	88	110	69	33

CAL YR 1995 TOTAL 45333.0 MEAN 124 MAX 783 MIN 7.0 AC-FT 89920  
WTR YR 1996 TOTAL 34247.0 MEAN 93.6 MAX 526 MIN 7.1 AC-FT 67930

MAX DISCH 561 CFS AT 1045 21-MAY-1996 GH 3.03 FT. SHIFT -0.07 FT. MAX GH 3.03 FT. AT 1045 21-MAY-1996

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



RIO GRANDE BASIN

08246500 CONEJOS RIVER NEAR MOGOTE, CO

**LOCATION.**--Lat 37°03'14", long 106°11'13", in SE¼SE¼ sec. 34, T.33 N., R.7 E., Conejos County, Hydrologic Unit 13010005, on left bank 75 ft downstream from bridge on State Highway 174, 0.4 mi downstream from Fox Creek, 5.3 mi west of Mogote, and 10 mi west of Antonito.

**DRAINAGE AREA.**--282 mi².

**GAGE.**--Water-stage recorder with satellite telemetry in a 5 ft. metal shelter and well. Datum of gage is 8,271.54 ft, Colorado State Highway datum.

**REMARKS.**--Record is complete and reliable. Stage-discharge relation was affected by ice Nov. 27-Dec. 31, 1995; Jan. 1-Feb. 14, 19, 28-29; Mar. 1-3, 1996. Record is good except for the periods of ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

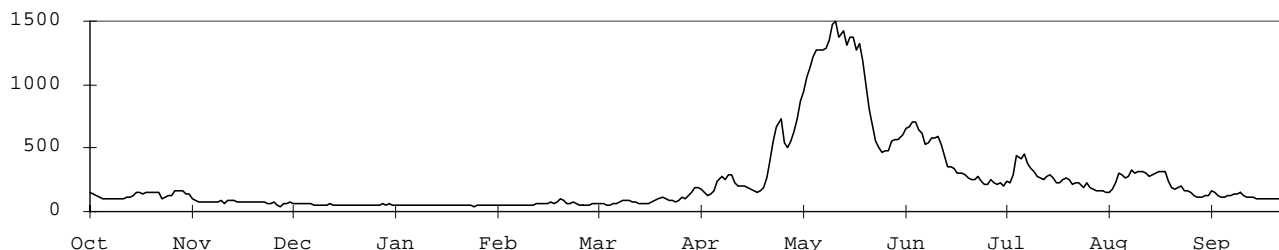
**RATING TABLE.**--CONMOGCO12 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	107	70	56	50	56	149	559	559	257	171	129
2	135	84	68	54	49	58	185	627	562	229	164	118
3	125	72	64	54	47	59	183	730	568	212	169	118
4	116	71	66	56	49	63	174	875	608	224	158	129
5	107	74	66	54	50	62	147	941	656	202	153	128
6	106	76	66	52	52	55	132	1060	664	240	146	163
7	106	74	60	52	52	52	144	1140	706	230	173	147
8	102	73	56	54	50	62	161	1220	711	294	233	121
9	98	74	49	56	50	65	237	1270	648	435	297	112
10	96	84	49	54	54	72	280	1270	619	419	294	118
11	106	57	50	52	54	84	252	1270	526	452	265	122
12	115	89	54	54	52	89	293	1280	537	374	275	127
13	115	87	58	54	54	87	293	1350	574	339	323	140
14	129	85	54	54	58	74	226	1470	584	317	308	137
15	146	81	50	54	61	74	200	1500	589	276	312	146
16	148	80	46	54	66	67	199	1380	524	261	312	120
17	137	79	52	52	67	68	205	1430	443	248	306	112
18	145	72	47	48	72	63	189	1310	348	281	283	115
19	150	73	49	50	67	64	174	1380	357	284	293	116
20	148	72	48	48	76	70	168	1380	339	266	301	107
21	148	71	52	46	106	83	156	1270	304	221	312	102
22	150	70	52	48	87	100	165	1320	307	225	315	106
23	104	71	50	46	68	113	186	1180	294	254	312	103
24	114	61	50	46	66	101	262	992	268	267	245	103
25	122	65	52	48	72	86	406	813	258	254	193	102
26	127	72	54	44	61	83	556	684	250	213	182	100
27	164	55	54	46	47	81	667	554	275	223	191	100
28	167	44	56	52	52	94	728	509	238	223	205	98
29	169	60	58	50	54	111	544	466	211	191	162	98
30	136	68	56	52	---	105	500	473	212	233	161	106
31	133	---	58	52	---	122	---	481	---	189	150	---
TOTAL	4011	2201	1714	1592	1743	2423	8161	32184	13739	8333	7364	3543
MEAN	129	73.4	55.3	51.4	60.1	78.2	272	1038	458	269	238	118
AC-FT	7960	4370	3400	3160	3460	4810	16190	63840	27250	16530	14610	7030
MAX	169	107	70	56	106	122	728	1500	711	452	323	163
MIN	96	44	46	44	47	52	132	466	211	189	146	98
CAL YR 1995 TOTAL		159126	MEAN	436	MAX	2100	MIN	44	AC-FT	315600		
WTR YR 1996 TOTAL		87008	MEAN	238	MAX	1500	MIN	44	AC-FT	172600		

MAX DISCH 1685 CFS AT 0600 15-MAY-1996 GH 4.92 FT. SHIFT -0.07 FT. MAX GH 4.92 FT. AT 0600 15-MAY-1996

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



RIO GRANDE BASIN

08247500 SAN ANTONIO RIVER AT ORTIZ, CO

**LOCATION.**--Lat 36°59'35", long 106°02'17", in NE¼SE¼ sec. 24, T.32 N., R.8 E., Rio Arriba County, New Mexico, Hydrologic Unit 13010005, on left bank 800 ft south of Colorado-New Mexico State line, 0.4 mi southeast of Ortiz, and 0.4 mi upstream from Los Pinos River.

**DRAINAGE AREA.**--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 Dec. 15, 1995-Mar. 15, 1996 when the station was closed for the winter, and Mar. 19, 1996 when the well was frozen. The stage-discharge relation was affected by ice Nov. 27, 1995; Mar. 16-18, 1996. There was no flow June 24-30, July 1-2, 29-31; Aug. 1-25, 1996. Record is good except for periods of no gage height and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

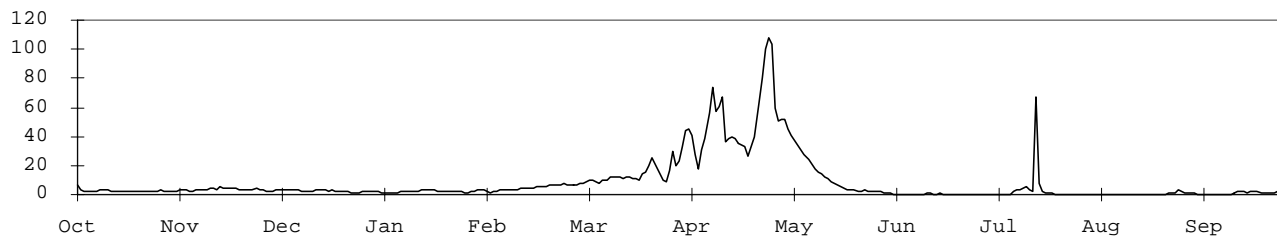
**RATING TABLE.**--SANORTCO12 USED FROM 01-OCT-1995 TO 2-JAN-1996  
 SANORTCO13 USED FROM 03-JAN-1996 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	2.8	3.4	1.4	3.1	7.2	33	52	1.3	0.0	0.0	1.2
2	3.6	3.0	3.0	1.0	2.0	7.8	44	52	1.1	0.0	0.0	0.92
3	2.5	3.7	2.9	1.2	1.6	8.8	45	45	0.67	0.49	0.0	0.61
4	2.2	2.4	3.2	1.6	1.9	10	41	41	0.49	0.49	0.0	0.47
5	2.0	2.7	3.0	1.5	2.5	10	28	37	0.48	0.30	0.0	0.30
6	1.7	3.2	3.4	1.4	3.2	9.0	18	34	0.46	0.23	0.0	0.17
7	2.3	3.4	3.3	1.7	3.4	8.0	31	31	0.42	0.15	0.0	0.31
8	2.8	2.9	2.5	2.1	3.2	9.6	39	27	0.46	0.22	0.0	0.35
9	2.8	3.0	2.6	2.5	3.5	10	56	24	0.40	0.32	0.0	0.32
10	2.8	3.9	2.0	2.4	3.7	12	74	21	0.38	1.7	0.0	0.26
11	2.7	3.9	2.7	2.2	3.8	12	57	18	0.22	3.2	0.0	0.27
12	2.7	2.9	2.9	2.6	3.9	12	61	15	0.55	3.7	0.0	0.32
13	2.7	5.5	3.7	2.8	4.0	12	67	14	0.43	4.9	0.0	0.14
14	2.3	4.9	3.7	2.9	4.2	11	36	12	1.0	5.0	0.0	0.15
15	2.5	4.5	3.0	3.1	4.5	12	39	11	0.62	3.5	0.0	0.77
16	2.3	4.2	2.6	3.3	4.7	12	40	9.3	0.32	2.1	0.0	2.5
17	2.2	4.0	2.8	2.8	5.0	11	39	7.7	0.51	67	0.0	2.3
18	2.1	4.1	2.3	1.9	5.2	11	35	6.7	0.60	7.2	0.0	1.7
19	2.1	3.2	2.3	2.5	5.0	10	34	5.5	0.54	2.6	0.0	1.6
20	1.9	3.0	2.0	2.1	6.0	14	33	4.1	0.43	1.5	0.0	2.5
21	1.9	3.2	2.0	2.4	6.6	15	26	3.5	0.32	0.96	0.0	2.4
22	1.7	3.4	1.7	2.1	6.8	20	33	3.4	0.28	0.64	0.0	1.8
23	2.1	3.1	1.4	1.8	6.2	25	40	3.0	0.01	0.43	0.0	1.6
24	2.0	3.9	1.4	1.9	6.6	19	64	2.6	0.0	0.37	0.0	1.4
25	2.4	3.5	1.6	2.4	7.4	14	80	2.5	0.0	0.35	0.0	1.4
26	3.1	3.5	1.8	1.5	6.8	10	100	2.9	0.0	0.30	0.64	1.4
27	2.7	2.2	1.8	1.6	6.4	8.7	108	2.7	0.0	0.16	1.2	1.6
28	2.6	1.8	1.8	2.2	6.6	17	103	2.4	0.0	0.01	1.4	1.7
29	2.6	2.7	2.1	2.4	6.8	30	59	2.2	0.0	0.0	3.7	1.6
30	2.7	3.5	2.0	2.8	---	20	51	2.0	0.0	0.0	2.1	1.5
31	2.6	---	2.1	3.4	---	23	---	1.7	---	0.0	1.6	---
TOTAL	78.8	102.0	77.0	67.5	134.6	411.1	1514	496.2	11.98	107.82	10.64	33.57
MEAN	2.54	3.40	2.48	2.18	4.64	13.3	50.5	16.0	0.40	3.48	0.34	1.12
AC-FT	156	202	153	134	267	815	3000	984	24	214	21	67
MAX	6.2	5.5	3.7	3.4	7.4	30	108	52	1.3	67	3.7	2.5
MIN	1.7	1.8	1.4	1.0	1.6	7.2	18	1.7	0.0	0.0	0.0	0.14
CAL YR 1995 TOTAL	16407.67		MEAN	45.0	MAX	554	MIN	0.00	AC-FT	32540		
WTR YR 1996 TOTAL	3045.22		MEAN	8.32	MAX	108	MIN	0.00	AC-FT	6040		

MAX DISCH 910 CFS AT 1815 17-JUL-1996 GH 5.14 FT. SHIFT 0.01 FT. MAX GH 5.14 FT. AT 1815 17-JUL-1996

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



RIO GRANDE BASIN

08248000 LOS PINOS RIVER NEAR ORTIZ, CO

**Location.**--Lat 36°58'56", long 106°04'23", on line between secs. 26 and 27, T.32 N., R.8 E., Rio Arriba County, New Mexico, Hydrologic Unit 13010005, on left bank 0.9 mi south of Colorado-New Mexico State line, 2.1 mi southwest of Ortiz, and 2.9 mi upstream from mouth.

**DRAINAGE AREA.**--167 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. 15-31, 1995; Jan. 1-Mar. 15, 1996 when the station was closed for the winter, and Mar. 20, 1996 when the well was frozen. Stage-discharge relation affected by ice Nov. 12-13; Dec. 9-11, 1995; Mar. 18-19, 25, 1996. Record is good except for periods of no gage height record and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

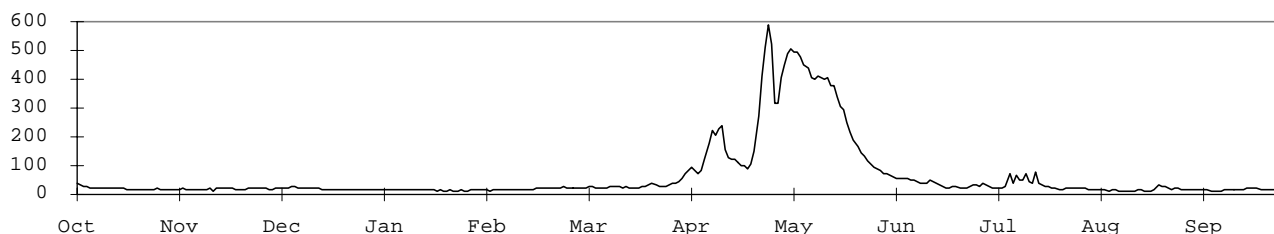
**RATING TABLE.**--LOSORTCO12 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	19	21	16	16	23	56	407	74	38	20	18
2	32	21	22	14	14	24	75	451	70	34	19	17
3	28	16	25	15	12	25	81	489	65	27	19	16
4	26	16	22	16	14	27	92	503	61	24	18	15
5	23	19	27	15	16	27	84	496	57	24	16	14
6	23	19	26	14	17	23	74	492	54	22	15	14
7	22	19	23	14	17	22	81	477	53	21	14	14
8	22	19	21	15	16	24	120	451	53	29	13	13
9	21	18	20	16	17	24	179	440	50	71	14	13
10	21	22	21	15	18	26	224	408	49	40	16	12
11	21	12	22	14	18	26	206	400	43	68	13	12
12	20	20	23	15	17	26	230	412	40	49	12	15
13	20	22	20	15	16	26	237	404	39	49	12	15
14	20	20	17	15	17	23	157	402	39	71	12	15
15	20	20	17	15	18	26	129	403	48	43	12	19
16	19	21	16	15	18	24	122	378	42	37	13	16
17	19	23	17	14	20	24	122	378	38	77	17	14
18	19	19	16	12	21	22	111	339	32	37	14	18
19	19	19	17	14	20	22	102	305	28	36	13	25
20	19	19	16	13	24	27	101	292	24	30	12	25
21	19	19	16	12	24	29	91	252	23	27	12	23
22	19	22	15	14	23	35	108	215	27	24	18	20
23	16	20	15	12	21	37	151	188	30	21	35	19
24	19	20	15	12	21	34	273	164	22	19	28	18
25	21	24	16	14	26	27	410	144	22	19	27	16
26	18	23	16	12	23	28	511	131	23	20	20	16
27	18	25	16	12	21	29	589	115	27	24	19	17
28	18	16	16	15	21	33	523	106	32	21	22	16
29	18	17	18	14	21	41	318	97	36	24	20	16
30	18	23	17	16	---	38	315	88	30	24	18	16
31	18	---	18	17	---	43	---	81	---	20	17	---
TOTAL	654	592	587	442	547	865	5872	9908	1231	1070	530	497
MEAN	21.1	19.7	18.9	14.3	18.9	27.9	196	320	41.0	34.5	17.1	16.6
AC-FT	1300	1170	1160	877	1080	1720	11650	19650	2440	2120	1050	986
MAX	38	25	27	17	26	43	589	503	74	77	35	25
MIN	16	12	15	12	12	22	56	81	22	19	12	12
CAL YR 1995 TOTAL		64893	MEAN	178	MAX	1250	MIN	12	AC-FT	128700		
WTR YR 1996 TOTAL		22795	MEAN	62.3	MAX	589	MIN	12	AC-FT	45210		

MAX DISCH 840 CFS AT 2245 27-APR-1996 GH 4.81 FT. SHIFT -0.29 FT. MAX GH 4.81 FT. AT 2245 27-APR-1996

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



## RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO

**LOCATION.**--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

**DRAINAGE AREA.**--348 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. 30, 1995-Feb. 23, 1996 when station was closed for the winter; Feb. 26-Mar. 12, 16-21, 1996 when well frozen; Apr. 1, 1996 when the clock stopped and there was missing satellite data. Stage-discharge relation affected by backwater from beaver dams Oct. 3-16, 20-31; Nov. 1-29, 1995; Feb. 24-25; July 12-27, 1996. Record is good except for periods of no gage-height record, and backwater affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

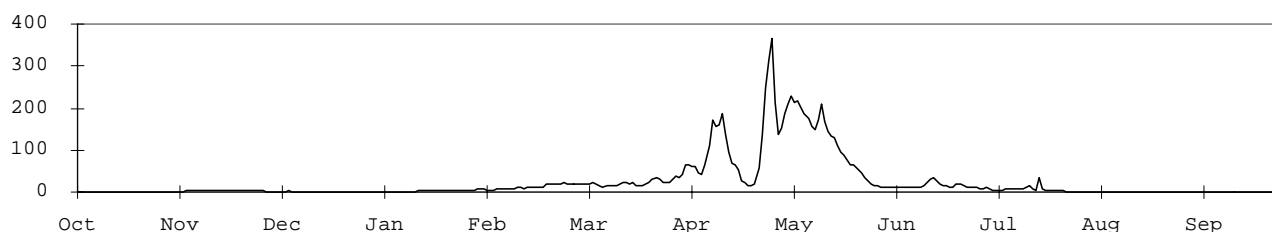
**RATING TABLE.**--SANMANCO18 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	1.0	1.5	1.2	6.4	19	43	153	11	7.9	0.0	0.0
2	0.01	1.8	1.5	1.1	5.6	18	63	188	11	11	0.0	0.0
3	0.80	2.5	1.5	1.1	5.0	18	63	208	11	8.6	0.0	0.0
4	1.2	2.4	2.0	1.3	5.4	18	62	227	11	4.9	0.0	0.0
5	0.56	2.5	1.7	1.4	6.4	21	60	215	11	3.2	0.0	0.0
6	0.23	2.7	1.7	1.5	8.0	20	47	219	12	3.7	0.0	0.0
7	0.26	3.1	1.6	1.5	8.0	14	42	202	12	3.9	0.0	0.0
8	0.53	3.3	1.6	1.5	8.4	11	64	185	12	6.1	0.0	0.0
9	0.51	3.5	1.3	1.7	8.4	15	109	175	11	7.9	0.0	0.0
10	0.62	4.4	1.3	1.9	9.0	14	171	158	11	7.6	0.0	0.0
11	0.78	3.8	1.3	1.9	10	17	156	147	10	7.1	0.0	0.0
12	0.71	2.9	1.4	2.0	9.6	17	161	172	11	6.7	0.0	0.0
13	0.61	2.8	1.2	2.0	9.0	18	188	211	15	8.3	0.0	0.0
14	0.61	3.3	1.6	2.0	10	22	137	169	24	11	0.0	0.0
15	0.52	3.8	1.3	2.0	11	23	94	146	32	15	0.0	0.0
16	0.62	3.9	1.3	2.2	10	20	69	135	33	8.0	0.0	0.0
17	0.64	3.9	1.5	3.0	10	21	65	131	25	5.5	0.0	0.0
18	0.83	3.9	1.3	2.9	13	14	52	112	20	33	0.0	0.0
19	0.86	4.0	1.2	2.9	11	16	28	96	16	7.7	0.0	0.0
20	1.2	3.8	1.2	2.9	18	17	23	89	14	3.9	0.0	0.0
21	1.7	3.9	1.2	2.9	20	19	17	76	13	3.2	0.0	0.0
22	1.4	4.2	1.3	4.0	20	21	14	65	13	2.2	0.0	0.0
23	0.48	4.6	1.1	3.7	19	32	18	64	18	2.5	0.0	0.0
24	0.61	4.4	1.0	3.8	20	35	56	53	18	3.1	0.0	0.0
25	0.82	2.8	1.0	4.3	21	30	138	45	15	3.7	0.0	0.0
26	0.74	2.0	1.1	3.8	20	23	248	35	13	1.7	0.0	0.0
27	0.75	1.6	1.1	3.5	20	21	312	28	12	0.10	0.0	0.0
28	0.75	1.6	1.1	4.5	19	22	366	18	11	0.0	0.0	0.0
29	0.56	1.4	1.3	5.2	19	32	214	15	10	0.0	0.0	0.0
30	0.66	1.5	1.3	6.0	---	40	137	14	9.0	0.0	0.0	0.0
31	0.88	---	1.3	7.0	---	33	---	12	---	0.0	0.0	---
TOTAL	21.47	91.3	41.8	86.7	360.2	661	3217	3763	445.0	187.50	0.0	0.0
MEAN	0.69	3.04	1.35	2.80	12.4	21.3	107	121	14.8	6.05	0.0	0.0
AC-FT	43	181	83	172	714	1310	6380	7460	883	372	0.0	0.0
MAX	1.7	4.6	2.0	7.0	21	40	366	227	33	33	0.0	0.0
MIN	0.0	1.0	1.0	1.1	5.0	11	14	12	9.0	0.0	0.0	0.0
CAL YR 1995 TOTAL	61173.61	MEAN	168	MAX	1270	MIN	0.00	AC-FT	121300			
WTR YR 1996 TOTAL	8874.97	MEAN	24.2	MAX	366	MIN	0.00	AC-FT	17600			

MAX DISCH 427 CFS AT 1345 28-APR-1996 GH 4.12 FT. SHIFT -0.05 FT. MAX GH 4.12 FT. AT 1345 28-APR-1996

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



## RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, MAIN (NORTH) CHANNEL, CO

**LOCATION.**--Lat 37°18'01", long 105°44'47", in SW¼SW¼ sec. 2, T. 35 N., R. 11 E., Conejos County, on left bank of main channel 125 ft downstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.1 mi north of LaSauses, and 13 mi southeast of Alamosa.

**DRAINAGE.**--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. Stage-discharge relation affected by ice Dec. 18-31, 1995; Jan. 1-16, 18-21, 23-24, 26-28; Feb. 3-5, 1996. Record good except for periods of ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--NORLASCO13 USED FROM 01-OCT-1995 TO 30-SEP-1996

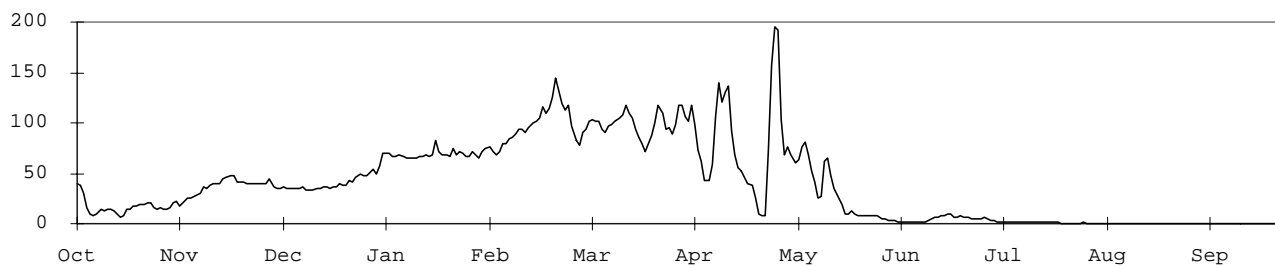
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	17	35	70	74	90	107	68	3.0	5.3	0.42	0.0
2	38	20	36	70	76	93	101	76	2.7	3.7	0.38	0.0
3	30	26	35	70	72	102	117	69	2.5	2.9	0.36	0.0
4	16	26	35	67	69	103	98	60	1.9	2.1	0.36	0.0
5	10	27	35	67	71	101	73	64	1.8	1.7	0.25	0.0
6	8.6	29	35	69	80	102	62	76	1.9	1.6	0.19	0.0
7	9.0	30	35	67	80	93	43	81	1.8	1.5	0.08	0.0
8	14	37	36	65	84	90	43	69	1.6	1.9	0.03	0.0
9	13	35	34	65	85	97	58	52	1.4	1.8	0.03	0.0
10	14	38	34	65	89	98	106	42	0.89	1.8	0.03	0.0
11	15	40	34	65	93	101	140	26	1.2	1.5	0.0	0.0
12	13	39	35	67	93	104	121	27	1.4	1.3	0.0	0.0
13	9.0	39	35	66	91	108	130	62	2.6	1.5	0.0	0.0
14	6.0	45	37	69	96	117	137	65	4.1	1.4	0.0	0.0
15	8.1	46	36	67	100	109	92	47	6.0	1.4	0.0	0.0
16	15	47	35	69	102	104	68	35	6.5	1.4	0.0	0.0
17	15	47	36	82	105	93	56	25	7.5	1.3	0.0	0.0
18	18	42	36	71	116	86	53	19	8.0	1.1	0.0	0.0
19	18	42	40	69	109	79	46	10	9.3	1.1	0.0	0.0
20	19	42	38	69	115	71	40	10	8.8	1.00	0.0	0.0
21	19	40	38	67	126	79	38	12	6.7	1.00	0.0	0.0
22	20	40	43	75	145	87	26	10	6.1	0.86	0.0	0.0
23	21	40	42	69	132	100	10	8.7	7.2	0.57	0.0	0.0
24	16	39	46	71	119	117	8.6	7.7	6.3	0.49	0.0	0.0
25	15	39	50	70	112	109	8.3	7.3	5.6	0.49	0.0	0.0
26	16	39	48	67	117	94	73	7.9	5.3	0.50	0.0	0.0
27	15	40	47	66	97	96	157	8.3	4.7	0.49	0.0	0.0
28	15	45	51	71	82	89	195	7.7	4.2	0.55	0.0	0.0
29	16	36	54	69	77	98	192	7.3	5.2	0.75	0.0	0.0
30	20	35	50	65	---	117	103	5.4	6.1	0.89	0.0	0.0
31	22	---	57	71	---	117	---	4.8	---	0.42	0.0	---
TOTAL	523.7	1107	1238	2130	2807	3044	2501.9	1070.1	132.29	44.30	2.12	0.0
MEAN	16.9	36.9	39.9	68.7	96.8	98.2	83.4	34.5	4.41	1.43	0.07	0.0
AC-FT	1040	2200	2460	4220	5570	6040	4960	2120	262	88	4.2	0.0
MAX	40	47	57	82	145	117	195	81	9.3	5.3	0.42	0.0
MIN	6.0	17	34	65	69	71	8.3	4.8	0.89	0.42	0.0	0.0

CAL YR 1995 TOTAL 111954.41 MEAN 307 MAX 1740 MIN 0.31 AC-FT 222100  
WTR YR 1996 TOTAL 14600.41 MEAN 39.9 MAX 195 MIN 0.00 AC-FT 28960

MAX DISCH 274 CFS AT 2145 28-APR-1996 GH 3.52 FT. SHIFT -0.17 FT. MAX GH 3.52 FT. AT 2145 28-APR-1996

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



## RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, SECONDARY (SOUTH) CHANNEL, CO

**LOCATION.**--Lat 37°18'01", long 105°44'47", in SE¼NE¼ sec. 10, T. 35 N., R. 11 E., Conejos County, on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.0 mi north of LaSauses, and 13 mi southeast of Alamosa.

**DRAINAGE.**--887 mi<sup>2</sup>.

**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. 25, 1995-Jan. 1, 1996; Feb. 28-Mar. 3, 1996 when the floats were frozen, and Jan. 2-Feb. 15, 1996 when the station was closed for the winter. Stage-discharge relation affected by ice Dec. 24, 1995. There was no flow Oct. 6-12, 1995; July 27-Sep. 21, 1996; Sep. 24-27, 1996. Record is good except for periods of no gage height and ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

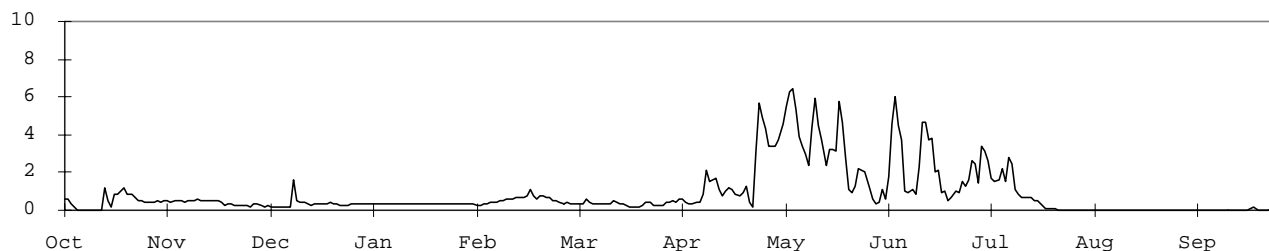
**RATING TABLE.**--SOULASCO06 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.63	0.48	0.22	0.33	0.32	0.32	0.50	3.4	0.36	2.5	0.0	0.0
2	0.58	0.44	0.20	0.32	0.29	0.34	0.42	3.4	0.44	1.4	0.0	0.0
3	0.37	0.47	0.20	0.33	0.28	0.36	0.63	3.7	1.1	3.4	0.0	0.0
4	0.14	0.51	0.17	0.35	0.30	0.38	0.57	4.6	0.63	3.1	0.0	0.0
5	0.01	0.49	0.18	0.36	0.35	0.33	0.39	5.5	1.8	2.6	0.0	0.0
6	0.0	0.45	0.20	0.35	0.39	0.56	0.33	6.3	4.6	1.7	0.0	0.0
7	0.0	0.47	0.20	0.36	0.42	0.45	0.36	6.4	6.0	1.5	0.0	0.0
8	0.0	0.55	0.20	0.35	0.45	0.33	0.40	5.3	4.5	1.6	0.0	0.0
9	0.0	0.50	1.6	0.36	0.50	0.31	0.44	3.9	3.7	2.2	0.0	0.0
10	0.0	0.61	0.53	0.37	0.54	0.33	0.82	3.4	1.0	1.5	0.0	0.0
11	0.0	0.49	0.40	0.36	0.58	0.33	2.1	3.0	0.97	2.8	0.0	0.0
12	0.0	0.48	0.40	0.37	0.60	0.34	1.5	2.4	1.1	2.5	0.0	0.0
13	1.2	0.49	0.35	0.36	0.62	0.33	1.6	4.4	0.81	1.1	0.0	0.0
14	0.48	0.48	0.25	0.36	0.64	0.48	1.7	5.9	2.3	0.82	0.0	0.0
15	0.15	0.48	0.37	0.36	0.67	0.46	1.1	4.5	4.7	0.70	0.0	0.0
16	0.88	0.47	0.33	0.36	0.69	0.33	0.75	3.7	4.7	0.68	0.0	0.0
17	0.82	0.45	0.38	0.37	0.75	0.32	1.0	2.4	3.7	0.70	0.0	0.0
18	0.98	0.22	0.33	0.34	1.1	0.22	1.2	3.2	3.8	0.64	0.0	0.0
19	1.2	0.31	0.32	0.33	0.76	0.20	1.1	3.2	2.0	0.55	0.0	0.0
20	0.88	0.34	0.41	0.32	0.60	0.20	0.85	3.1	2.1	0.49	0.0	0.0
21	0.86	0.29	0.36	0.32	0.75	0.20	0.75	5.8	0.91	0.24	0.0	0.0
22	0.68	0.29	0.32	0.34	0.77	0.20	0.96	4.7	0.99	0.10	0.0	0.07
23	0.55	0.25	0.29	0.32	0.70	0.24	1.3	2.8	0.55	0.10	0.0	0.14
24	0.51	0.24	0.27	0.33	0.67	0.44	0.43	1.1	0.68	0.12	0.0	0.0
25	0.46	0.26	0.28	0.34	0.50	0.40	0.20	0.93	1.0	0.07	0.0	0.0
26	0.45	0.21	0.30	0.32	0.53	0.29	3.1	1.3	0.89	0.02	0.0	0.0
27	0.40	0.32	0.30	0.31	0.42	0.26	5.7	2.2	1.5	0.0	0.0	0.0
28	0.46	0.36	0.30	0.33	0.37	0.25	4.9	2.1	1.3	0.0	0.0	0.11
29	0.47	0.26	0.35	0.34	0.40	0.27	4.3	2.0	1.6	0.0	0.0	8.1
30	0.44	0.21	0.34	0.35	---	0.42	3.4	1.2	2.6	0.0	0.0	2.4
31	0.47	---	0.35	0.35	---	0.46	---	0.56	---	0.0	0.0	---
TOTAL	14.07	11.87	10.71	10.66	15.95	10.38	42.80	106.39	62.35	33.13	0.0	10.82
MEAN	0.45	0.40	0.35	0.34	0.55	0.33	1.43	3.43	2.08	1.07	0.0	0.36
AC-FT	28	24	21	21	32	21	85	211	124	66	0.0	21
MAX	1.2	0.61	1.6	0.37	1.1	0.56	5.7	6.4	6.0	3.4	0.0	8.1
MIN	0.0	0.21	0.17	0.31	0.28	0.20	0.20	0.56	0.36	0.0	0.0	0.0
CAL YR 1995 TOTAL		1487.11	MEAN	4.07	MAX	118	MIN	0.00	AC-FT	2950		
WTR YR 1996 TOTAL		329.13	MEAN	0.90	MAX	8.1	MIN	0.00	AC-FT	653		

MAX DISCH 13 CFS AT 1830 29-SEP-1996 GH 1.47 FT. SHIFT -0.12 FT. MAX GH 1.58 FT. AT 1545 03-JUL-1996

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



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, CO (COMBINED)

**LOCATION.**--Lat 37°18'01", long 105°44'47", in SW¼SW¼ sec. 2, and SE¼NE¼ sec. 10 (two channels), T.35 N., R.11 E., Conejos County, Hydrologic Unit 13010005, on left bank of main channel 125 ft downstream from bridge on State Highway 158 and on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.1 mi north of Lasauses, and 13 mi southeast of Alamosa.

**DRAINAGE AREA.**--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).

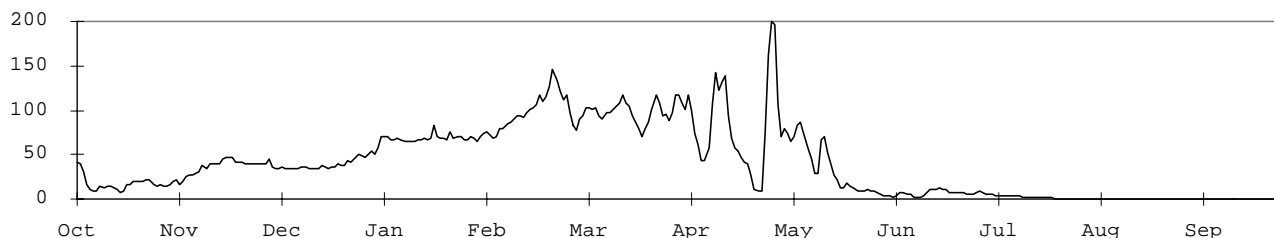
**REMARKS.**--Records should be good except for periods of no record, ice affected and backwater affected record, which should be fair to poor. Diversions above station for irrigation of about 750,000 acres. Practically entire flow is diverted and records represent mainly return flow. Record developed by Div. III Hydrographic Staff.

**COMBINED CONEJOS RIVER (NORLASCO,SOULASCO)**

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	17	35	70	74	90	108	71	3.4	7.8	0.42	0.0
2	39	20	36	70	76	93	101	79	3.1	5.1	0.38	0.0
3	30	26	35	70	72	102	118	73	3.6	6.3	0.36	0.0
4	16	27	35	67	69	103	99	65	2.5	5.2	0.36	0.0
5	10	27	35	67	71	101	73	70	3.6	4.3	0.25	0.0
6	8.6	29	35	69	80	103	62	82	6.5	3.3	0.19	0.0
7	9.0	30	35	67	80	93	43	87	7.8	3.0	0.08	0.0
8	14	38	36	65	84	90	43	74	6.1	3.5	0.03	0.0
9	13	35	36	65	86	97	58	56	5.1	4.0	0.03	0.0
10	14	39	35	65	90	98	107	45	1.9	3.3	0.03	0.0
11	15	40	34	65	94	101	142	29	2.2	4.3	0.0	0.0
12	13	39	35	67	94	104	122	29	2.5	3.8	0.0	0.0
13	10	39	35	66	92	108	132	66	3.4	2.6	0.0	0.0
14	6.5	45	37	69	97	117	139	71	6.4	2.2	0.0	0.0
15	8.2	46	36	67	101	109	93	52	11	2.1	0.0	0.0
16	16	47	35	69	103	104	69	39	11	2.1	0.0	0.0
17	16	47	36	82	106	93	57	27	11	2.0	0.0	0.0
18	19	42	36	71	117	86	54	22	12	1.7	0.0	0.0
19	19	42	40	69	110	79	47	13	11	1.6	0.0	0.0
20	20	42	38	69	116	71	41	13	11	1.5	0.0	0.0
21	20	40	38	67	127	79	39	18	7.6	1.2	0.0	0.0
22	21	40	43	75	146	87	27	15	7.1	0.96	0.0	0.07
23	22	40	42	69	133	100	11	12	7.8	0.67	0.0	0.14
24	17	39	46	71	120	117	9.0	8.8	7.0	0.62	0.0	0.0
25	15	39	50	70	112	109	8.5	8.2	6.6	0.57	0.0	0.0
26	16	39	48	67	118	94	76	9.2	6.2	0.52	0.0	0.0
27	15	40	47	66	97	96	163	10	6.2	0.49	0.0	0.0
28	15	45	51	71	82	89	200	9.8	5.5	0.55	0.0	0.11
29	16	36	54	69	77	98	196	9.3	6.8	0.75	0.0	8.1
30	20	35	50	65	---	117	106	6.6	8.7	0.89	0.0	2.4
31	22	---	57	71	---	117	---	5.4	---	0.42	0.0	---
TOTAL	536.3	1110	1241	2130	2824	3045	2543.5	1175.3	194.6	77.33	2.12	10.82
MEAN	17.3	37.0	40.0	68.7	97.4	98.2	84.8	37.9	6.49	2.49	0.07	0.36
AC-FT	1060	2200	2460	4220	5600	6040	5050	2330	386	153	4.2	21
MAX	41	47	57	82	146	117	200	87	12	7.8	0.42	8.1
MIN	6.5	17	34	65	69	71	8.5	5.4	1.9	0.42	0.0	0.0
CAL YR 1995 TOTAL	113405.10	MEAN	311	MAX	1860	MIN	0.31	AC-FT	224900			
WTR YR 1996 TOTAL	14889.98	MEAN	40.7	MAX	200	MIN	0.00	AC-FT	29530			

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





## RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO

**LOCATION.**--Lat 37°11'02", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

**DRAINAGE AREA.**--220 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 partially regulated by Sanchez Reservoir on Ventero Creek. Record is complete and reliable except for Dec. 24, 1995-Jan. 5, 11-31, 1996 when neither recorder was working correctly. Stage-discharge relation affected by ice Jan. 6-9; Feb. 3-4, 27, 29; Mar. 1, 7, 19-20, 1996. Record is good except for periods of no record and ice affected record which are fair to poor. Station maintained and records developed by Division III Hydrographic staff.

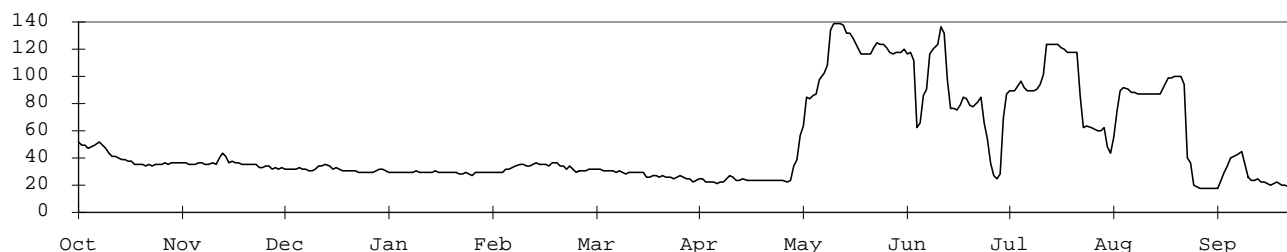
**RATING TABLE.**--CULSANCO05 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	36	33	31	30	31	25	24	117	27	60	18
2	50	36	32	29	30	32	22	34	118	25	60	18
3	49	35	32	29	29	32	23	39	118	28	62	18
4	47	35	32	30	29	32	25	56	120	70	48	18
5	48	35	32	29	30	32	25	63	117	87	44	18
6	49	37	33	29	32	31	22	85	118	90	55	18
7	52	36	32	29	32	31	22	84	112	89	74	24
8	50	35	32	29	33	31	22	86	62	93	90	29
9	47	35	31	30	34	31	21	87	66	97	92	34
10	43	37	31	31	35	30	22	98	86	92	91	40
11	41	35	32	30	35	31	22	102	91	90	88	41
12	41	40	34	29	34	29	25	108	117	89	88	42
13	40	43	34	30	34	28	27	134	120	90	87	45
14	39	41	35	30	35	30	26	139	124	91	87	35
15	39	37	34	30	36	30	23	139	137	94	87	26
16	38	38	32	31	35	29	23	139	132	101	87	24
17	38	37	33	30	35	29	25	138	98	124	87	23
18	35	36	32	29	35	29	24	132	77	124	87	25
19	35	35	31	29	34	26	24	132	76	124	87	22
20	35	35	31	29	36	26	24	128	75	124	87	22
21	34	35	31	29	36	27	23	124	79	121	92	21
22	35	35	31	29	34	27	23	117	85	120	99	20
23	34	35	31	28	34	26	23	117	83	118	99	21
24	35	33	29	28	32	27	23	117	79	118	100	22
25	35	33	29	29	34	26	23	117	78	118	100	20
26	35	34	30	28	32	26	23	121	81	118	100	20
27	36	34	30	27	30	25	23	125	85	86	94	19
28	35	32	30	29	31	26	23	123	66	62	40	19
29	36	33	31	29	31	27	23	123	54	64	36	19
30	36	32	32	29	---	26	22	121	36	62	20	19
31	36	---	32	29	---	25	---	118	---	61	19	---
TOTAL	1255	1070	984	907	957	888	701	3270	2807	2797	2347	740
MEAN	40.5	35.7	31.7	29.3	33.0	28.6	23.4	105	93.6	90.2	75.7	24.7
AC-FT	2490	2120	1950	1800	1900	1760	1390	6490	5570	5550	4660	1470
MAX	52	43	35	31	36	32	27	139	137	124	100	45
MIN	34	32	29	27	29	25	21	24	36	25	19	18
CAL YR 1995 TOTAL		18345	MEAN	50.3	MAX	163	MIN	19	AC-FT	36390		
WTR YR 1996 TOTAL		18723	MEAN	51.2	MAX	139	MIN	18	AC-FT	37140		

MAX DISCH 148 CFS AT 0800 17-MAY-1996 GH 1.84 FT. SHIFT 0.04 FT. MAX GH 1.84 FT. AT 0800 17-MAY-1996

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



RIO GRANDE BASIN

08251500 RIO GRANDE NEAR LOBATOS, CO

**LOCATION.**--Lat 37°04'43", long 105°45'23", in NE¼NW¼ sec. 27, T.33 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank at highway bridge, 5.7 mi north of Colorado-New Mexico State line, 8 mi downstream from Culebra Creek, 11 mi east of Lobatos, and 14 mi east of Antonito.

**DRAINAGE AREA.**--7,700 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. Stage Discharge relation affected by ice Nov. 30; Dec. 10-13, 16-31, 1995; Jan. 1-Feb. 15, 1996. Record is good except for periods of ice affected record which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

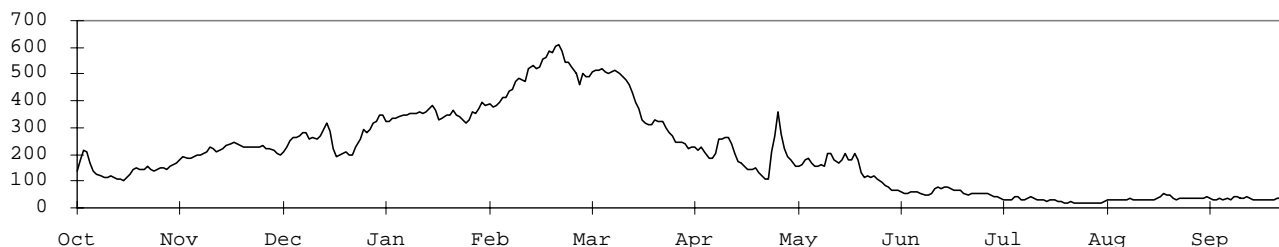
**RATING TABLE.**--RIOLOBCO03 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	181	200	350	385	504	242	219	75	56	15	35
2	178	190	212	325	390	492	224	194	67	47	15	34
3	217	187	229	325	375	493	227	180	66	44	15	35
4	211	187	254	335	385	510	226	154	66	39	15	38
5	165	191	265	335	395	516	217	154	62	34	25	39
6	138	200	266	340	410	516	230	161	54	28	32	36
7	128	199	272	345	415	522	207	180	54	28	31	30
8	120	206	284	350	435	508	186	188	58	30	27	28
9	114	212	282	355	445	503	186	169	61	40	31	33
10	113	225	260	355	470	507	203	154	59	39	32	32
11	118	219	265	355	485	512	257	156	51	31	31	34
12	115	212	260	360	480	505	260	161	48	29	32	31
13	109	213	270	355	475	488	262	154	48	35	33	42
14	105	223	294	360	520	480	261	206	54	39	32	44
15	103	233	319	370	530	460	240	205	71	37	29	38
16	112	241	290	380	519	430	201	181	80	31	27	38
17	126	244	220	365	526	397	174	169	73	31	29	39
18	141	240	190	330	554	371	169	182	77	27	29	36
19	150	231	195	335	563	330	157	206	77	25	28	31
20	145	230	205	350	585	320	144	180	73	31	30	27
21	145	228	210	350	583	310	146	180	66	27	38	30
22	157	229	200	365	607	310	152	203	66	24	44	29
23	146	230	200	350	609	328	134	177	65	21	52	28
24	140	226	225	340	589	322	122	131	55	19	50	28
25	142	228	255	330	547	323	105	115	50	18	48	30
26	148	232	295	315	543	297	107	117	52	21	33	35
27	149	224	280	330	528	282	207	111	53	18	31	36
28	145	222	295	360	504	268	270	117	53	17	33	35
29	153	216	315	355	462	246	356	108	52	16	34	38
30	163	206	325	370	---	245	278	96	56	16	38	38
31	170	---	345	395	---	248	---	82	---	15	36	---
TOTAL	4401	6505	7977	10835	14314	12543	6150	4990	1842	913	975	1027
MEAN	142	217	257	350	494	405	205	161	61.4	29.5	31.5	34.2
AC-FT	8730	12900	15820	21490	28390	24880	12200	9900	3650	1810	1930	2040
MAX	217	244	345	395	609	522	356	219	80	56	52	44
MIN	103	181	190	315	375	245	105	82	48	15	15	27
CAL YR 1995 TOTAL		268181	MEAN	735	MAX	6240	MIN	103	AC-FT	531900		
WTR YR 1996 TOTAL		72472	MEAN	198	MAX	609	MIN	15	AC-FT	143700		

MAX DISCH 650 CFS AT 0930 20-FEB-1996 GH 2.03 FT. SHIFT 0.17 FT. MAX GH 3.63 FT. AT 1000 14-FEB-1996

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



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO

**LOCATION.**--Tarbell ditch diverts water from Lake Fork Cochetopa Creek (tributary to Cochetopa Creek), in NW¼ sec. 18, T.43 N., R.2 E., in Gunnison River basin, to Lake Fork Saguache Creek (tributary to Middle Fork Saguache Creek) in NE¼ sec. 18, T.43 N., R.2 E., in Rio Grande basin.

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

**GAGE.**--Graphic water-stage recorder at a 2.5' Parshall Flume.

**REMARKS.**--Record is complete and reliable except for June 6-8; July 17-18, 25-26, 1996 when the clock stopped, and Aug. 2, 10, 1996 when the chart ran out. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--TARBELCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

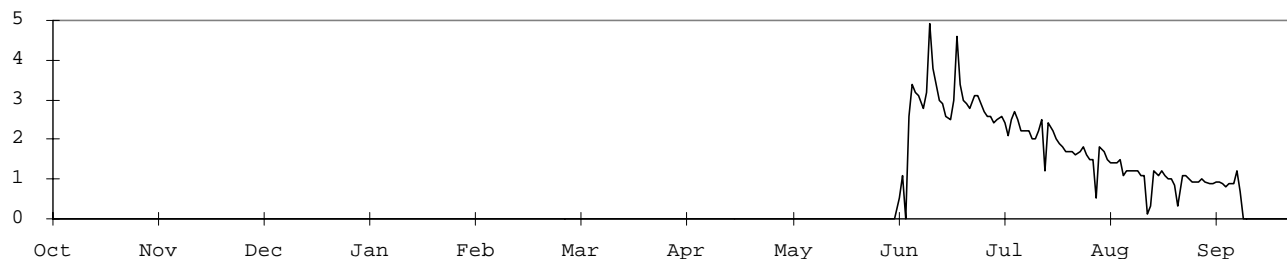
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.5	0.94
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.53	1.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.8	0.94
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.7	0.88
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	2.6	1.5	0.88
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.4	1.4	0.94
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.4	0.94
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.5	1.4	0.88
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	2.7	1.5	0.81
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	2.5	1.1	0.88
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	2.2	1.2	0.88
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.2	1.2	1.2
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	2.2	1.2	0.69
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	2.0	1.2	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	2.0	1.1	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	2.2	1.1	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.5	0.12	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.2	0.31	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.4	1.2	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.2	1.1	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	1.2	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	1.9	1.1	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	1.8	1.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.7	1.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.7	0.85	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.7	0.33	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	1.6	1.1	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	1.7	1.1	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.8	1.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.7	1.6	0.94	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	1.5	0.94	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74.53	65.0	34.12	11.86
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.48	2.10	1.10	0.40
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	148	129	68	24
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	2.7	1.8	1.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.12	0.0

CAL YR 1995 TOTAL 34.18 MEAN 0.09 MAX 4.2 MIN 0.00 AC-FT 68  
WTR YR 1996 TOTAL 185.51 MEAN 0.51 MAX 4.9 MIN 0.00 AC-FT 368

MAX DISCH 7.1 CFS AT 0015 14-JUN-1996 GH 0.73 FT. SHIFT 0.07 FT. MAX GH 0.73 FT. AT 0015 14-JUN-1996

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



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO

LOCATION.--Lat 37°56'30", long 107°09'00"; Tabor ditch diverts water from tributaries of Cebolla Creek in secs, 29 and 36, T.43 N., R.3 W., in Gunnison River basin, to Big Spring Creek (tributary to North Clear Creek) in sec. 35, T.43 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Steven's Data Logger and satellite monitoring system at 3 ft Parshall flume.

REMARKS.--Record is complete and reliable, except for Sep. 11, 1996 when there was missing data. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

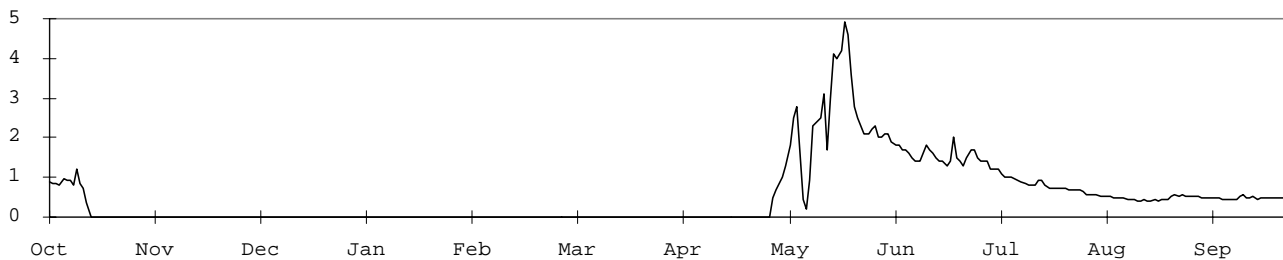
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.88	0.0	0.0	0.0	0.0	0.0	0.0	0.69	2.0	1.4	0.57	0.52
2	0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.84	2.1	1.4	0.55	0.51
3	0.83	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	1.2	0.56	0.50
4	0.81	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.9	1.2	0.53	0.49
5	0.98	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.2	0.52	0.49
6	0.92	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.8	1.1	0.52	0.49
7	0.92	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.7	1.0	0.52	0.49
8	0.79	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.7	1.0	0.49	0.48
9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.43	1.6	1.0	0.49	0.43
10	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.20	1.5	0.98	0.47	0.43
11	0.74	0.0	0.0	0.0	0.0	0.0	0.0	0.91	1.4	0.92	0.47	0.43
12	0.36	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.4	0.89	0.46	0.44
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.6	0.86	0.45	0.43
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.8	0.82	0.43	0.54
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	1.7	0.81	0.42	0.56
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.6	0.80	0.41	0.49
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.5	0.91	0.43	0.49
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.4	0.93	0.42	0.52
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.4	0.81	0.41	0.43
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.3	0.74	0.43	0.50
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	1.4	0.72	0.42	0.49
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	2.0	0.71	0.46	0.49
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	1.5	0.73	0.44	0.49
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.4	0.72	0.43	0.49
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.3	0.71	0.52	0.49
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.5	0.67	0.58	0.48
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.7	0.68	0.52	0.49
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.7	0.68	0.55	0.49
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.5	0.68	0.52	0.48
30	0.0	0.0	0.0	0.0	---	0.0	0.50	2.3	1.4	0.63	0.52	0.43
31	0.0	---	0.0	0.0	---	0.0	---	2.0	---	0.58	0.52	---
TOTAL	10.11	0.0	0.0	0.0	0.0	0.0	0.50	72.77	48.7	27.48	15.05	14.49
MEAN	0.33	0.0	0.0	0.0	0.0	0.0	0.02	2.35	1.62	0.89	0.49	0.48
AC-FT	20	0.0	0.0	0.0	0.0	0.0	0.99	144	97	54	30	29
MAX	1.2	0.0	0.0	0.0	0.0	0.0	0.50	4.9	2.1	1.4	0.58	0.56
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	1.3	0.58	0.41	0.43

CAL YR 1995 TOTAL 626.82 MEAN 1.72 MAX 23 MIN 0.00 AC-FT 1240  
WTR YR 1996 TOTAL 189.09 MEAN 0.52 MAX 4.9 MIN 0.00 AC-FT 375

MAX DISCH 8.0 CFS AT 1945 17-MAY-1996 GH 0.75 FT. SHIFT 0.03 FT. MAX GH 0.75 FT. AT 1945 17-MAY-1996

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



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO

**LOCATION.**--Treasure Pass diversion ditch diverts water from tributaries of Wolf Creek in San Juan River basin, to tributary of South Fork Rio Grande in sec. 5, T.37 N., R.2 E., in Rio Grande basin.

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

**GAGE.**--Graphic water-stage recorder at a 2' Parshall Flume.

**REMARKS.**--Record is complete and reliable except for June 4-5, 1996 when the recorder malfunctioned. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--TREDITCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

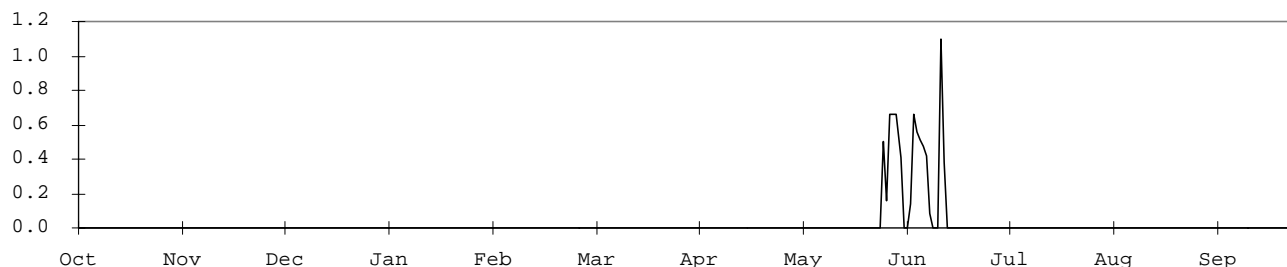
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	0.66	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.41	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	0.14	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.56	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.08	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	1.1	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.38	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	0.50	0.0	0.0	0.0	0.0
30	0.0	0.0	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	---	0.66	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.32	6.05	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.20	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	12	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	1.1	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 1995 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00  
WTR YR 1996 TOTAL 7.37 MEAN 0.02 MAX 1.1 MIN 0.00 AC-FT 15

MAX DISCH 1.9 CFS AT 2000 29-MAY-1996 GH 0.37 FT. SHIFT 0.03 FT. MAX GH 0.37 FT. AT 2000 29-MAY-1996

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



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO

**LOCATION.**--SW¼ sec. 33, T.39 N., R.1 W., at Piedra Pass, Co. Diversion is from tributaries of Piedra River Basin to Red Mountain Creek in Rio Grande River Basin.

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

**GAGE.**--Graphic water-stage recorder at 9 in. Parshall flume.

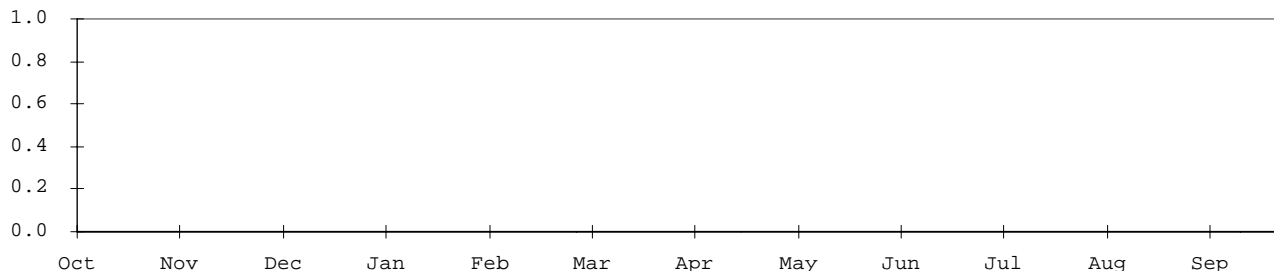
**REMARKS.**--No water flowed by station during water year. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--DLFDT1CO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAL YR 1995 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		
WTR YR 1996 TOTAL			0 MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		

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



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09347000 DON LA FONT DITCH N0.2 AT PIEDRA PASS, CO

**LOCATION.**--SW¼ sec. 33, T.39 N., R.1 W., at Piedra Pass, Co. Diversion is from tributaries of Piedra River in San Juan River Basin to Red Mountain Creek in Rio Grande River Basin.

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

**GAGE.**--Stevens Data logger at 1.5 ft Parshall flume.

**REMARKS.**--Record is complete and reliable, except for June 25, 1996 when there was missing data. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--DLFDT2C002 USED FROM 01-OCT-1995 TO 30-SEP-1996

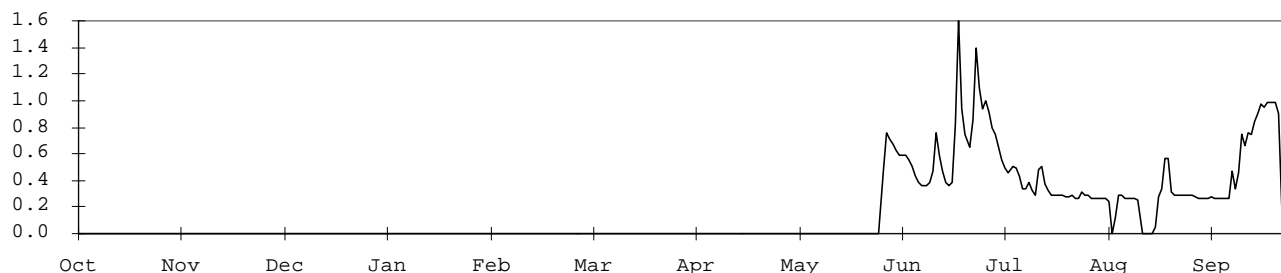
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	0.71	0.92	0.27	0.28
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	0.80	0.26	0.26
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63	0.74	0.26	0.26
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.65	0.26	0.26
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.55	0.26	0.26
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.49	0.24	0.28
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.46	0.0	0.27
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.50	0.12	0.26
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.49	0.29	0.26
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.43	0.29	0.26
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.34	0.27	0.26
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.34	0.26	0.47
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.38	0.26	0.34
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.32	0.26	0.46
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.29	0.25	0.75
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.48	0.0	0.66
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.51	0.0	0.76
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.37	0.0	0.74
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.32	0.0	0.84
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.29	0.05	0.90
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.29	0.28	0.98
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.29	0.34	0.95
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.29	0.57	0.99
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.74	0.28	0.57	0.99
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.65	0.28	0.31	0.99
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	0.29	0.29	0.90
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.27	0.29	0.21
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.26	0.29	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.31	0.29	0.0
30	0.0	0.0	0.0	0.0	0.0	---	0.0	0.47	1.0	0.29	0.29	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.76	---	0.29	0.29	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23	20.23	12.81	7.42	14.82
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.67	0.41	0.24	0.49
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	40	25	15	29
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	1.6	0.92	0.57	0.99
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.26	0.0	0.0

CAL YR 1995 TOTAL 19.36 MEAN 0.05 MAX 1.2 MIN 0.00 AC-FT 38  
WTR YR 1996 TOTAL 56.51 MEAN 0.15 MAX 1.6 MIN 0.00 AC-FT 112

MAX DISCH 2.8 CFS AT 2200 16-JUL-1996 GH 0.61 FT. SHIFT 0.00 FT. MAX GH 0.61 FT. AT 2200 16-JUL-1996

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



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH, COMBINED, AT PIEDRA PASS, CO

**LOCATION.**--Don La Font ditches 1 and 2 divert water from tributaries of Piedra River between headgates in NW¼ sec. 4, T.38 N., R.1 W., and SW¼ sec. 33, T.39 N., R.1 W., and Piedra pass, in San Juan River basin, to Red Mountain Creek in sec. 33, T.39 N., R.1 W., in Rio Grande basin.

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

**GAGE.**--Graphic water-stage recorders.

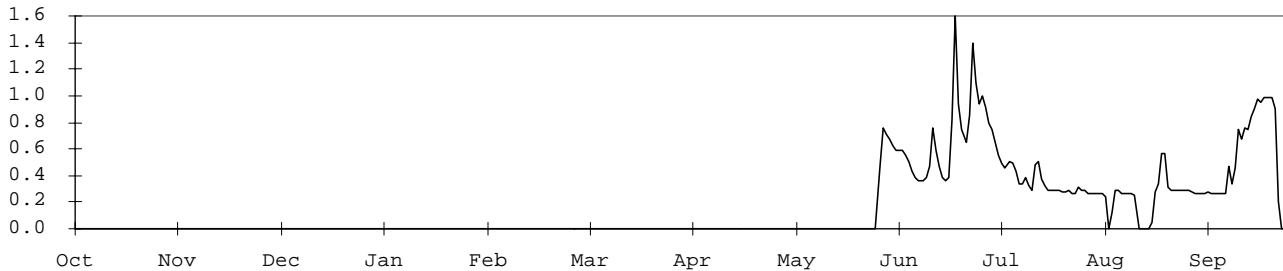
**REMARKS.**--Records combined to obtain this record.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
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	0.71	0.92	0.27	0.28
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	0.80	0.26	0.26
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63	0.74	0.26	0.26
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.65	0.26	0.26
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.55	0.26	0.26
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.49	0.24	0.28
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.46	0.0	0.27
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.50	0.12	0.26
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.43	0.49	0.29	0.26
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.43	0.29	0.26
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.34	0.27	0.26
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.34	0.26	0.47
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.38	0.26	0.34
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.32	0.26	0.46
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	0.29	0.25	0.75
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.59	0.48	0.0	0.67
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.51	0.0	0.76
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.37	0.0	0.74
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.32	0.0	0.84
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.29	0.05	0.90
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.82	0.29	0.28	0.98
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.29	0.34	0.95
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.29	0.57	0.99
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.74	0.28	0.57	0.99
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.65	0.28	0.31	0.99
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.85	0.29	0.29	0.90
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.27	0.29	0.21
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.26	0.29	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.31	0.29	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.47	1.0	0.29	0.29	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.76	---	0.29	0.29	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23	20.23	12.82	7.42	14.83
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.67	0.41	0.24	0.49
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	40	25	15	29
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.76	1.6	0.92	0.57	0.99
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.26	0.0	0.0

CAL YR 1995 TOTAL 19.36 MEAN 0.05 MAX 1.2 MIN 0.00 AC-FT 38  
WTR YR 1996 TOTAL 56.54 MEAN 0.15 MAX 1.6 MIN 0.00 AC-FT 112

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





## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO

**LOCATION.**--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

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

**GAGE.**--Satellite monitored DCP at a 2' Parshall Flume.

**REMARKS.**--Record is complete and reliable except for June 11, 28, 1996 when there was missing data. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--WCSGITCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

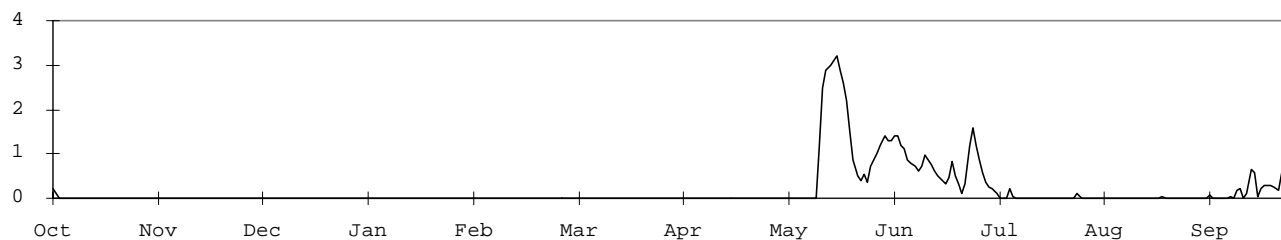
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.59	0.0	0.0
2	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.35	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.26	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.22	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.11	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.06
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.20	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	0.05	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.71	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.63	0.0	0.0	0.02
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.72	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.99	0.0	0.0	0.17
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.88	0.0	0.0	0.22
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.76	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.62	0.0	0.0	0.10
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.50	0.0	0.0	0.65
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.39	0.0	0.0	0.57
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.32	0.0	0.0	0.02
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.47	0.0	0.0	0.23
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.83	0.0	0.00	0.29
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.51	0.0	0.04	0.30
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.32	0.0	0.0	0.28
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.10	0.0	0.0	0.26
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.39	0.34	0.0	0.0	0.19
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.55	1.2	0.0	0.0	0.58
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.37	1.6	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.72	1.2	0.12	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.86	0.85	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	1.00	---	0.0	0.0	---
TOTAL	0.35	0.0	0.0	0.0	0.0	0.0	0.0	30.37	25.92	1.91	0.05	3.93
MEAN	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.98	0.86	0.06	0.00	0.13
AC-FT	0.70	0.0	0.0	0.0	0.0	0.0	0.0	60	51	3.8	0.10	7.8
MAX	0.23	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.6	0.59	0.04	0.65
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0

CAL YR 1995 TOTAL 188.94 MEAN 0.52 MAX 7.1 MIN 0.00 AC-FT 375  
WTR YR 1996 TOTAL 62.53 MEAN 0.17 MAX 3.2 MIN 0.00 AC-FT 124

MAX DISCH 5.7 CFS AT 1615 18-MAY-1996 GH 0.72 FT. SHIFT 0.08 FT. MAX GH 0.72 FT. AT 1615 18-MAY-1996

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



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

LOCATION.--Weminuche Pass ditch diverts water from left bank of Rincon la vaca Creek (tributary to Los Pinos River) in sec. 5, T.39 N., R.4 W., in San Juan River basin, to Weminuche Creek in sec. 33, T.40 N., R.4 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 3 ft Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--PRWDITCO04 USED FROM 01-OCT-1995 TO 30-SEP-1996

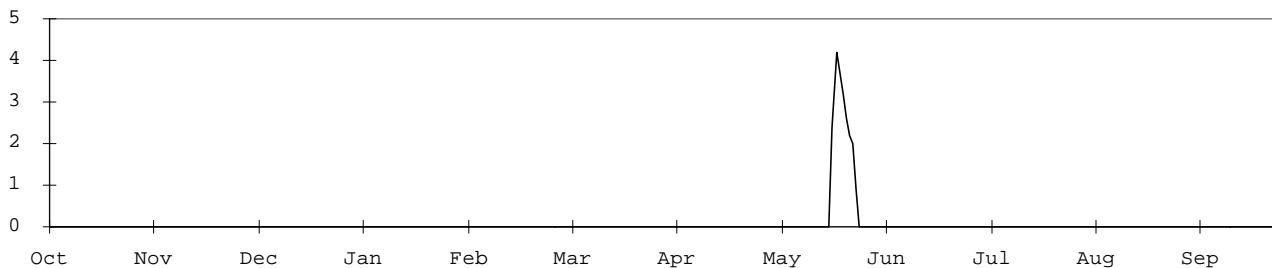
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	2.4	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.23	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.68	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	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 1995 TOTAL 322.1 MEAN 0.88 MAX 9.8 MIN 0.00 AC-FT 639  
WTR YR 1996 TOTAL 21.23 MEAN 0.06 MAX 4.2 MIN 0.00 AC-FT 42

MAX DISCH 5.0 CFS AT 1130 20-MAY-1996 GH 0.62 FT. SHIFT -0.05 FT. MAX GH 0.62 FT. AT 1130 20-MAY-1996

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



## TRANSMOUNTAIN DIVERSION TO

## RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

**LOCATION.**--Weminuche Pass ditch diverts water from left bank of Rincon la Vaca Creek (tributary to Los Pinos River) in sec. 5, T.39 N., R.4 W., in San Juan River basin, to Weminuche Creek in sec. 33, T.40 N., R.4 W., in Rio Grande basin.

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

**GAGE.**--Graphic water-stage recorder at a 5' Parshall Flume.

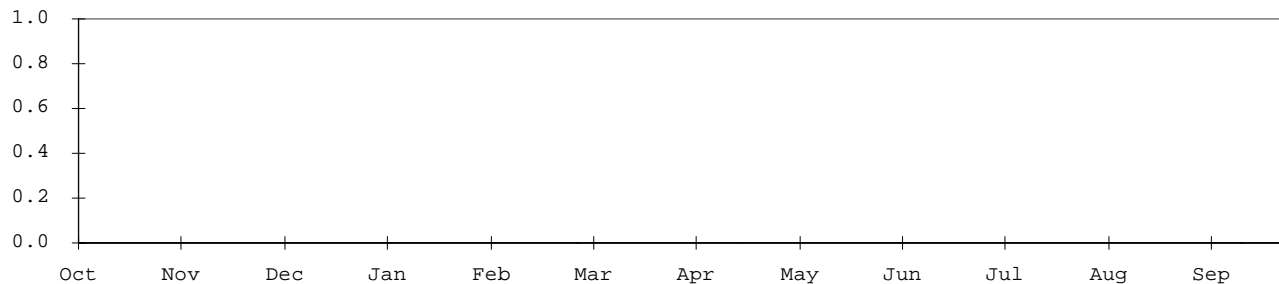
**REMARKS.**--No water flowed past this station during this water year. Station maintained and record developed by Div. III Hydrographic Staff.

**RATING TABLE.**--WEMDITCO05 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAL YR 1995 TOTAL			0 MEAN	0.00 MAX		0.00 MIN		0.00 AC-FT		0.00		
WTR YR 1996 TOTAL			0 MEAN	0.00 MAX		0.00 MIN		0.00 AC-FT		0.00		

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



GUNNISON RIVER BASIN

09131490 MUDDY CREEK ABOVE PAONIA RESERVOIR

**LOCATION.**--Lat 38°59'15", long 107°20'53", in the NE¼SE¼NW¼ sec 28, T.12 S., R.89 W. in Gunnison County on the right bank 700 ft. downstream from county bridge and 1400 ft. upstream from high water line of Paonia Reservoir.

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

**REMARKS.**--Record is complete, good and reliable except for a period when the stage-discharge relationship was effected by ice. This ice period was from Dec. 11, 1995 through Dec. 13, 1995 and from Dec. 16 through Jan. 29, 1996. And from Feb. 1, 1996 to Feb 7, 1996. This period was estimated comparing temperature, and the strip chart, and using measurement 195 during the ice period and correlating the elevation and content of Paonia Reservoir. This period of record is considered poor. Station maintained by Gerald M. Thrush and Steven W. Tuck. Record developed by Gerald M. Thrush.

**RATING TABLE.**--MUDAPRC006 USED FROM 01-OCT-1995 TO 30-SEP-1996

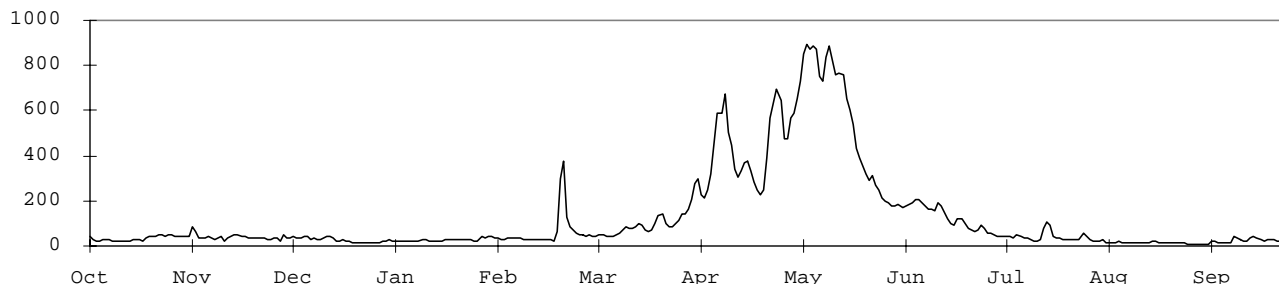
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	87	34	22	38	47	206	569	177	57	23	9.8
2	28	66	40	18	35	46	277	592	178	48	22	9.5
3	24	34	37	22	28	44	300	652	186	45	22	9.1
4	24	35	39	22	28	47	228	730	173	40	28	8.8
5	27	32	41	22	36	48	215	852	176	45	17	10
6	26	40	40	18	34	45	249	891	184	45	13	19
7	26	37	30	22	38	41	320	871	188	44	12	19
8	24	30	38	22	33	44	456	889	208	39	16	14
9	19	32	28	20	35	51	586	869	204	48	19	12
10	20	40	27	25	31	60	591	753	193	43	17	12
11	22	23	38	28	30	74	671	734	177	36	16	11
12	23	39	42	22	27	88	503	838	160	34	15	14
13	24	45	45	20	29	78	444	887	164	25	15	42
14	25	51	39	22	28	76	342	825	156	23	15	34
15	25	47	20	22	27	85	306	756	194	24	16	28
16	25	42	24	24	27	100	330	769	180	27	15	22
17	21	42	30	30	27	90	366	757	146	80	14	21
18	33	35	22	28	25	68	377	652	123	105	15	35
19	46	34	18	28	22	64	336	603	100	89	20	42
20	42	35	15	28	62	73	281	540	93	46	18	33
21	40	33	16	26	296	96	249	430	123	37	16	28
22	48	39	16	28	375	134	229	389	119	33	16	24
23	47	32	14	30	126	140	249	356	97	31	14	25
24	45	27	12	25	86	102	388	318	81	31	13	31
25	48	30	14	28	69	88	567	288	68	30	13	27
26	49	37	14	24	56	85	628	314	61	30	15	23
27	46	32	14	18	50	98	694	270	68	26	13	24
28	42	22	12	40	47	115	644	246	89	26	11	23
29	41	50	18	36	44	140	473	216	78	54	12	22
30	41	35	20	41	---	143	477	200	60	46	9.6	22
31	40	---	25	42	---	160	---	189	---	28	10	---
TOTAL	1032	1163	822	803	1789	2570	11982	18245	4204	1315	490.6	654.2
MEAN	33.3	38.8	26.5	25.9	61.7	82.9	399	589	140	42.4	15.8	21.8
AC-FT	2050	2310	1630	1590	3550	5100	23770	36190	8340	2610	973	1300
MAX	49	87	45	42	375	160	694	891	208	105	28	42
MIN	19	22	12	18	22	41	206	189	60	23	9.6	8.8

CAL YR 1995 TOTAL 104712 MEAN 287 MAX 1840 MIN 10 AC-FT 207700  
WTR YR 1996 TOTAL 45069.8 MEAN 123 MAX 891 MIN 8.8 AC-FT 89400

MAX DISCH 1219 CFS AT 2230 05-MAY-1996 GH 8.34 FT. SHIFT -0.33 FT. MAX GH 8.34 FT. AT 2230 05-MAY-1996

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



## GUNNISON RIVER BASIN

09131500 MUDDY CREEK BELOW PAONIA RESERVOIR

**LOCATION.**--Lat 38°56'26", long 107°21'24" in the SE¼NW¼NE¼ sec. 8, T.13 S., R. 89 W. (in Gunnison County on the right hand bank), and about 100 feet above county bridge and about 1100 feet below Paonia Reservoir outlet.

**GAGE.**--Water-stage recorder and satellite telemetry float activated. Bank operated cableway installed April 1996.

**REMARKS.**--The record is complete, reliable and good except for a period when the stage-discharge relationship was effected by the stilling well being isolated and the inlets being frozen. There also was a period of about three days when the bottom inlet was closed which left the stilling well isolated. The first period started on Dec. 20, 1995 and lasted until Jan. 29, 1996. An observation on Jan. 11, 1996, was made and the water level was below the bottom inlet. The flow was estimated at 2.50 cfs. The first event appears to have cleared itself. This is when a known gate change at the reservoir thawed the ice in the inlets. The period from Dec. 20, 1995 to Jan. 28, 1996 is considered poor record. Jan. 29, 1996 is considered fair record. Apr. 15-17, 1996 record fair due to lower inlet closed. Record developed and station maintained by Steve W. Tuck and Gerald M. Thrush.

**RATING TABLE.**--MUDBPRC006 USED FROM 01-OCT-1995 TO 30-SEP-1996

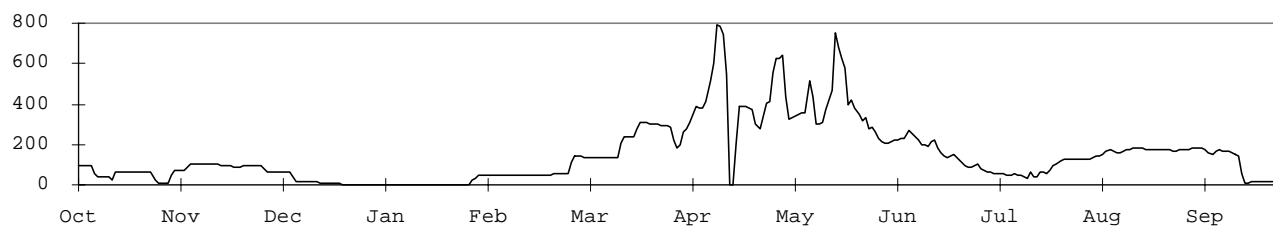
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	74	66	2.5	50	141	263	642	206	74	127	178
2	92	74	66	2.5	50	137	281	437	202	67	127	179
3	92	90	66	2.5	50	137	310	328	215	62	138	182
4	92	100	66	2.5	50	137	348	334	221	57	143	185
5	92	100	36	2.5	50	137	389	341	219	56	142	184
6	55	100	14	2.5	50	137	382	348	232	57	152	177
7	40	100	15	2.5	50	137	379	354	233	56	167	159
8	41	100	16	2.5	50	137	409	360	268	51	172	153
9	41	100	16	2.5	50	136	515	512	252	51	164	166
10	41	100	16	2.5	50	135	603	436	237	53	160	171
11	27	100	16	2.5	50	135	794	298	220	47	160	167
12	61	100	12	2.5	50	135	781	302	199	44	164	165
13	61	98	4.9	2.5	50	204	747	306	201	41	175	163
14	61	98	4.9	2.5	50	240	547	371	190	35	178	160
15	61	98	4.9	2.5	50	237	3.8	419	214	66	180	148
16	61	92	4.9	2.5	50	237	3.8	469	219	42	180	139
17	60	90	4.9	2.5	50	236	203	752	185	43	180	54
18	61	90	4.9	2.5	50	276	388	678	162	63	180	4.0
19	61	91	4.9	2.5	50	311	388	622	144	67	178	9.0
20	61	92	2.5	2.5	50	308	386	580	131	57	178	12
21	61	92	2.5	2.5	51	305	381	399	143	73	178	12
22	60	92	2.5	2.5	52	304	375	417	149	95	178	13
23	60	92	2.5	2.5	52	303	304	379	135	100	176	14
24	24	92	2.5	2.5	52	300	274	346	114	118	175	14
25	4.3	92	2.5	2.5	52	296	343	313	95	126	173	14
26	4.3	77	2.5	2.5	52	294	406	335	86	128	171	14
27	4.3	66	2.5	2.5	111	290	414	278	85	126	170	14
28	4.3	67	2.5	23	140	287	551	282	98	125	170	15
29	46	67	2.5	35	140	223	628	264	101	124	175	16
30	74	66	2.5	45	---	185	622	231	83	124	178	16
31	74	---	2.5	50	---	201	---	216	---	127	178	---
TOTAL	1669.2	2690	469.3	220.5	1702	6678	12418.6	12349	5239	2355	5167	2897.0
MEAN	53.8	89.7	15.1	7.11	58.7	215	414	398	175	76.0	167	96.6
AC-FT	3310	5340	931	437	3380	13250	24630	24490	10390	4670	10250	5750
MAX	92	100	66	50	140	311	794	752	268	128	180	185
MIN	4.3	66	2.5	2.5	50	135	3.8	216	83	35	127	4.0

CAL YR 1995 TOTAL 131691.5 MEAN 361 MAX 2360 MIN 2.5 AC-FT 261200  
WTR YR 1996 TOTAL 53854.6 MEAN 147 MAX 794 MIN 2.5 AC-FT 106800

MAX DISCH 808 CFS AT 1345 10-APR-1996 GH 4.97 FT. SHIFT -0.03 FT. MAX GH 4.97 FT. AT 1345 10-APR-1996

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



GUNNISON RIVER BASIN

ABC LATERAL NEAR MONTROSE, CO

**LOCATION.**--Lat 38°29'06", long 107°44'57", in SE¼NE¼NE¼ sec. 27, T.49 N., R.8 W., Montrose County, on left bank of canal 270 ft. below takeout from South Canal, such takeout being 1700 ft. below the west portal of the Gunnison Tunnel.

**GAGE.**--Graphic water-stage recorder with satellite telemetry.

**REMARKS.**--Record is complete, good and reliable. The normal operating period of the canal was from Oct. 01 to Nov. 05, 1995 and from about Mar.22 to Sep. 30, 1996. The intervening period, from Nov. 06,1995 to Mar. 21, 1996 consisted of seepage from the Gunnison Tunnel. This winter shut down period is a normal operational occurrence. Station maintained and record developed by Gerald M. Thrush.

**RATING TABLE.**--ABCLATCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

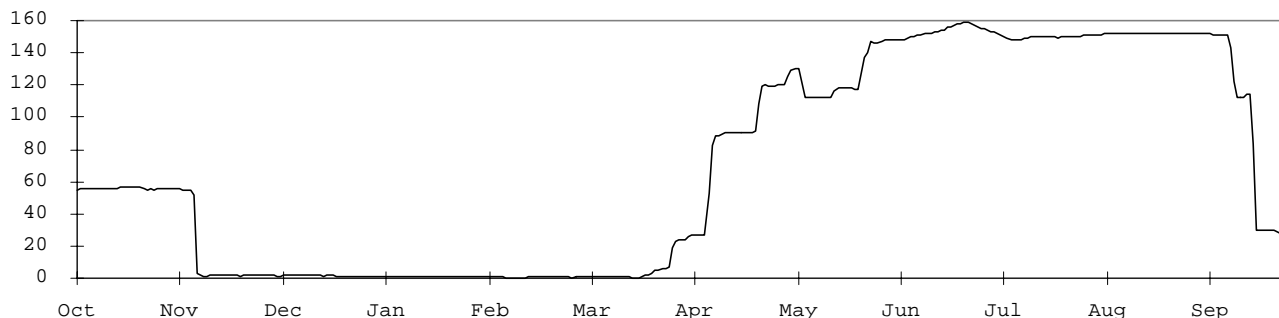
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	56	1.2	0.97	0.99	0.56	24	120	148	154	151	152
2	56	55	1.5	1.1	1.0	0.56	26	125	148	153	151	152
3	56	55	1.5	1.1	1.0	0.56	27	129	148	153	151	152
4	56	55	1.5	1.1	1.0	0.56	27	130	148	152	151	152
5	56	52	1.5	1.1	1.0	0.57	27	130	148	151	152	152
6	56	2.7	1.5	1.1	0.69	0.69	27	121	148	150	152	152
7	56	1.5	1.5	1.0	0.30	0.67	27	112	149	149	152	151
8	56	1.4	1.5	0.93	0.34	0.61	53	112	150	148	152	151
9	56	1.4	1.5	0.84	0.42	0.70	82	112	150	148	152	151
10	56	1.6	1.5	0.88	0.44	0.68	88	112	151	148	152	151
11	56	1.6	1.5	0.93	0.47	0.74	88	112	151	148	152	151
12	56	1.6	1.5	0.91	0.41	0.74	89	112	152	149	152	143
13	56	1.6	1.6	0.91	0.48	0.78	90	112	152	149	152	122
14	57	1.6	1.4	0.82	0.50	0.81	90	112	152	150	152	112
15	57	1.6	1.5	1.0	0.56	0.64	90	112	153	150	152	112
16	57	1.5	1.6	1.0	0.55	0.28	90	116	153	150	152	112
17	57	1.5	1.6	0.80	0.56	0.28	90	118	154	150	152	114
18	57	1.5	1.2	0.97	0.56	0.16	90	118	154	150	152	114
19	57	1.4	1.00	0.98	0.58	1.2	90	118	156	150	152	83
20	57	1.5	0.90	0.93	0.61	1.7	90	118	156	150	152	30
21	56	1.5	0.81	0.93	0.60	1.5	90	118	157	150	152	30
22	55	1.6	0.81	0.92	0.72	3.1	91	117	158	149	152	30
23	56	1.7	0.81	0.92	0.71	5.4	108	117	158	150	152	30
24	55	1.7	0.80	0.90	0.70	5.4	119	127	159	150	152	30
25	56	1.7	0.91	0.92	0.74	6.0	120	137	159	150	152	30
26	56	1.8	0.92	0.95	0.54	6.2	119	140	158	150	152	29
27	56	1.8	0.92	1.0	0.10	7.4	119	147	157	150	152	28
28	56	1.8	0.91	0.92	0.57	19	119	146	156	150	152	27
29	56	1.8	0.92	0.92	0.56	23	120	146	155	150	152	27
30	56	1.4	0.92	0.93	---	24	120	147	155	151	152	27
31	56	---	0.96	0.92	---	24	---	148	---	151	152	---
TOTAL	1740	313.8	38.17	29.59	17.70	138.49	2430	3841	4593	4653	4708	2897
MEAN	56.1	10.5	1.23	0.95	0.61	4.47	81.0	124	153	150	152	96.6
AC-FT	3450	622	76	59	35	275	4820	7620	9110	9230	9340	5750
MAX	57	56	1.6	1.1	1.0	24	120	148	159	154	152	152
MIN	55	1.4	0.80	0.80	0.10	0.16	24	112	148	148	151	27

CAL YR 1995 TOTAL 16839.67 MEAN 46.1 MAX 137 MIN 0.00 AC-FT 33400  
WTR YR 1996 TOTAL 25399.75 MEAN 69.4 MAX 159 MIN 0.10 AC-FT 50380

MAX DISCH 160 CFS AT 0700 25-JUN-1996 GH 3.42 FT. SHIFT -0.07 FT. MAX GH 3.50 FT. AT 1330 12-AUG-1996

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



## GUNNISON RIVER BASIN

## SOUTH CANAL NEAR MONTROSE, CO

**LOCATION.**--Lat 38°29'01", long 107°45'20", in NE¼SW¼NE¼ sec 27, T.49 N., R.8 W., Montrose County, on right bank of canal approximately 3600 ft. below the west portal of the Gunnison Tunnel.

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

**REMARKS.**--The record is complete, good and reliable during the normal operating season. The normal operating period was from the Oct 1 to Nov 6, 1995 and from Mar 19 to Sep 30, 1996. The intervening period reflected use on five occasions to fill Fairview Reservoir. These periods were: Nov 29-30, Dec 18-19 1995, Jan 15-16, Feb 6-7, 27 1996. These intervening winter values were supplied by the Uncompahgre Valley Water Users Association and are considered fair. Station maintained and record developed by Gerald M. Thrush.

**RATING TABLE.**--SOUCANCO12 USED FROM 01-OCT-1995 TO 30-SEP-1996

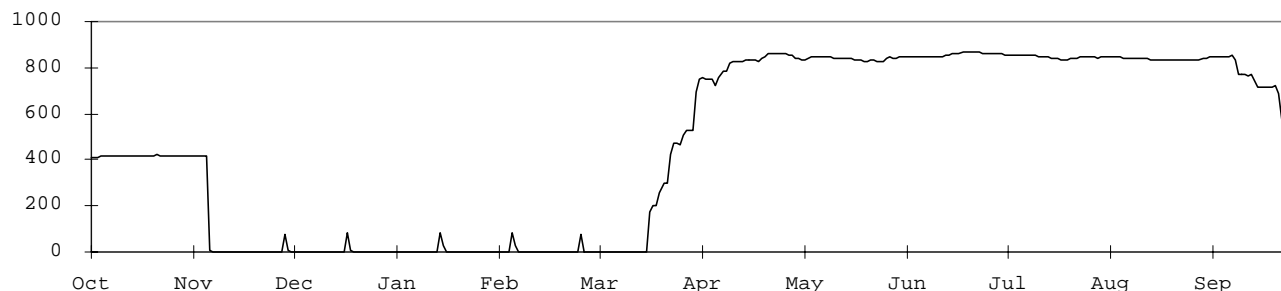
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	412	417	0.0	0.0	0.0	0.0	527	853	843	862	845	835
2	413	416	0.0	0.0	0.0	0.0	691	843	843	860	843	836
3	413	416	0.0	0.0	0.0	0.0	753	837	844	860	845	837
4	416	415	0.0	0.0	0.0	0.0	754	835	845	858	845	841
5	416	416	0.0	0.0	0.0	0.0	753	834	845	857	845	846
6	416	8.8	0.0	0.0	85	0.0	753	842	846	857	845	849
7	417	0.0	0.0	0.0	28	0.0	753	847	846	856	844	849
8	416	0.0	0.0	0.0	0.0	0.0	723	848	844	855	844	849
9	418	0.0	0.0	0.0	0.0	0.0	755	846	844	855	844	849
10	418	0.0	0.0	0.0	0.0	0.0	784	846	848	851	843	848
11	419	0.0	0.0	0.0	0.0	0.0	784	846	849	853	842	849
12	419	0.0	0.0	0.0	0.0	0.0	816	846	848	856	841	855
13	419	0.0	0.0	0.0	0.0	0.0	829	844	849	853	840	834
14	419	0.0	0.0	0.0	0.0	0.0	829	843	850	852	839	770
15	419	0.0	0.0	85	0.0	0.0	829	843	849	850	838	773
16	419	0.0	0.0	25	0.0	0.0	829	839	848	849	839	771
17	420	0.0	0.0	0.0	0.0	0.0	830	837	851	845	837	767
18	420	0.0	82	0.0	0.0	0.0	831	837	857	844	836	768
19	419	0.0	6.8	0.0	0.0	173	832	837	858	843	835	741
20	420	0.0	0.0	0.0	0.0	200	831	836	861	843	834	713
21	421	0.0	0.0	0.0	0.0	201	829	836	864	838	835	714
22	420	0.0	0.0	0.0	0.0	258	838	834	866	834	834	716
23	419	0.0	0.0	0.0	0.0	296	845	827	865	833	833	714
24	419	0.0	0.0	0.0	0.0	296	858	824	865	832	833	715
25	419	0.0	0.0	0.0	0.0	425	864	835	867	838	832	719
26	419	0.0	0.0	0.0	0.0	472	863	835	867	842	832	689
27	418	0.0	0.0	0.0	78	471	863	829	867	843	832	579
28	419	0.0	0.0	0.0	0.0	462	861	828	864	844	833	544
29	419	75	0.0	0.0	0.0	508	860	826	862	844	834	546
30	419	9.4	0.0	0.0	---	527	853	840	863	844	836	547
31	418	---	0.0	0.0	---	527	---	846	---	845	836	---
TOTAL	12958	2173.2	88.8	110	191	4816	24020	25999	25618	26296	25994	22763
MEAN	418	72.4	2.86	3.55	6.59	155	801	839	854	848	839	759
AC-FT	25700	4310	176	218	379	9550	47640	51570	50810	52160	51560	45150
MAX	421	417	82	85	85	527	864	853	867	862	845	855
MIN	412	0.0	0.0	0.0	0.0	0.0	527	824	843	832	832	544

CAL YR 1995 TOTAL 128457.0 MEAN 352 MAX 855 MIN 0.00 AC-FT 254800  
WTR YR 1996 TOTAL 171027.0 MEAN 467 MAX 867 MIN 0.00 AC-FT 339200

MAX DISCH 874 CFS AT 0345 13-SEP-1996 GH 3.48 FT. SHIFT -0.87 FT. MAX GH 3.48 FT. AT 0345 13-SEP-1996

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



GUNNISON RIVER BASIN

REDLANDS CANAL NEAR GRAND JUNCTION, CO

LOCATION.--Lat 39°01'49", long 108°33'51", in NW¼SW¼NW¼ sec 35, T.1 S., R.1 W., Mesa County, on the Right bank of canal 650 ft. below the Redlands diversion dam.

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

REMARKS.--Record is complete, good and reliable there were no ice affected days due to a very mild weather winter. Station maintained by Steven W. Tuck and record developed by Gerald M. Thrush.

RATING TABLE.--RLCGRJCO04 USED FROM 01-OCT-1995 TO 30-SEP-1996

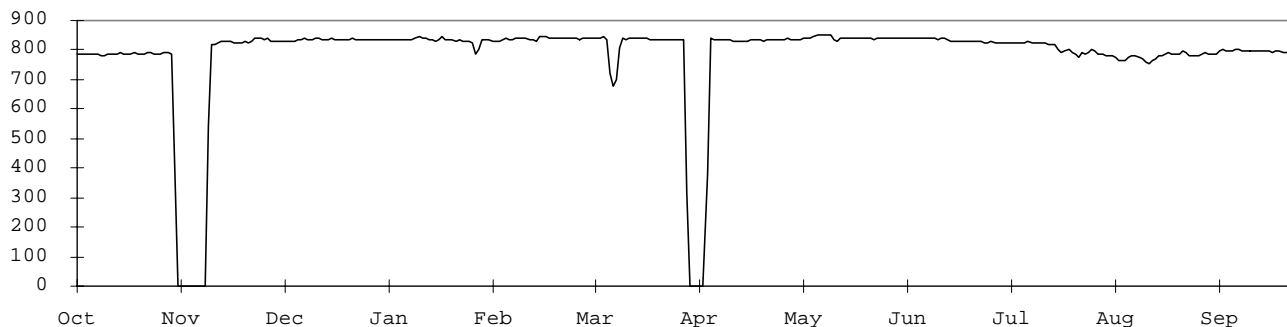
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	784	0.0	829	835	834	841	0.0	837	841	825	787	785
2	786	0.0	827	835	829	842	0.0	837	841	826	786	790
3	786	0.0	827	834	829	841	0.0	837	842	824	782	788
4	786	0.0	828	835	827	840	0.0	837	841	823	782	788
5	785	0.0	829	835	836	842	0.0	839	839	824	781	784
6	784	0.0	834	835	841	844	382	838	840	822	773	798
7	784	0.0	836	834	836	837	838	839	840	823	767	801
8	782	0.0	838	834	835	723	835	845	839	822	763	798
9	783	543	836	833	843	678	835	849	840	822	767	798
10	785	817	834	842	842	698	834	850	840	823	778	798
11	784	818	839	846	842	809	834	849	840	828	783	800
12	785	824	842	842	839	843	833	850	840	824	783	800
13	788	829	836	839	835	837	835	851	839	824	776	797
14	789	829	835	836	833	840	832	837	837	825	768	796
15	787	829	835	834	827	840	832	828	839	824	759	795
16	785	827	838	830	845	839	831	840	841	823	756	797
17	787	826	837	834	846	840	831	841	836	821	764	796
18	789	826	833	847	846	840	832	841	830	819	771	797
19	787	826	833	835	838	838	835	842	830	820	783	799
20	786	827	836	835	840	837	835	843	829	804	782	795
21	787	826	837	833	843	837	836	842	829	789	784	796
22	789	831	838	832	840	836	834	839	830	797	789	794
23	790	841	836	834	839	836	832	841	828	801	787	795
24	788	840	834	832	838	836	833	839	828	792	785	795
25	784	840	835	832	841	835	834	839	828	786	787	793
26	785	835	836	828	843	836	835	837	828	775	795	794
27	791	838	836	824	838	834	836	839	828	789	789	796
28	789	831	837	784	837	836	837	839	825	787	782	800
29	787	830	834	804	842	835	836	840	825	794	783	797
30	394	831	836	833	---	835	839	839	827	803	781	794
31	0.0	---	837	837	---	313	---	840	---	798	782	---
TOTAL	23196	17964	25878	25803	24304	25018	20406	26064	25040	25157	24135	23854
MEAN	748	599	835	832	838	807	680	841	835	812	779	795
AC-FT	46010	35630	51330	51180	48210	49620	40480	51700	49670	49900	47870	47310
MAX	791	841	842	847	846	844	839	851	842	828	795	801
MIN	0.0	0.0	827	784	827	313	0.0	828	825	775	756	784

CAL YR 1995 TOTAL 273107 MEAN 748 MAX 842 MIN 0.00 AC-FT 541700  
WTR YR 1996 TOTAL 286819 MEAN 784 MAX 851 MIN 0.00 AC-FT 568900

MAX DISCH 858 CFS AT 0845 26-MAR-1996 GH 7.32 FT. SHIFT 0.06 FT. MAX GH 7.32 FT. AT 0845 26-MAR-1996

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





## GUNNISON RIVER BASIN

## UNCOMPAGRE RIVER NEAR OLATHE, CO

**LOCATION.**--Lat 38°36'5", long 107°58'58", SW¼SW¼ of NW¼ sec. 15, T.50 N., R. 10W, NMPM, and about 3,100 ft. above the S. H. 348 bridge and about 5,100 ft below the East Canal headgate and diversion structure, both stream distance. The gage is on the right bank and in Montrose County.

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

**GAGE.**--Graphic water-stage recorder with satellite telemetry. The DCP is the primary record with Electronic Data Logger as backup.

**REMARKS.**--The gage operated from October 1, 1995 to September 30, 1996. The record is complete reliable and good. The primary record is satellite transmitted data from the DCP. The Secondary record for this station is the Electronic Data Logger (EDL). The tertiary record is the strip chart. The Uncompahgre River is controlled by releases from Ridgway Reservoir and imported water through the Gunnison Tunnel during periods of low natural stream flow. The canals of the Uncompahgre Project effect the amount of discharge at this gage. The East Canal is immediately above. The Ironstone Canal is above that, and operation of those automatic gates is reflected at this site by uneven stage from the gates seeking their set level. Station maintained and record developed by Gerald M. Thrush.

**RATING TABLE.**--UNCOLACO06 USED FROM 01-OCT-1995 TO 30-SEP-1996

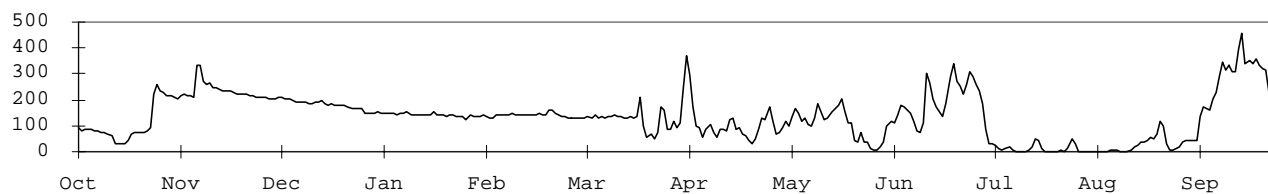
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	214	207	150	140	130	114	74	20	237	2.1	37
2	79	220	207	147	138	128	249	91	40	185	1.5	41
3	87	215	202	148	128	129	371	117	96	88	1.6	42
4	85	216	201	148	129	133	295	96	118	31	1.8	42
5	85	212	199	146	139	131	174	135	114	32	1.4	44
6	82	331	192	145	142	142	97	165	145	27	1.1	138
7	82	333	194	147	140	129	93	150	181	13	1.2	175
8	73	273	194	150	143	133	56	116	175	6.2	1.3	165
9	71	259	191	152	142	132	84	130	162	13	2.0	162
10	67	264	188	145	147	134	105	105	149	18	5.2	201
11	62	244	188	142	145	137	72	98	119	5.1	4.7	229
12	29	250	193	140	140	141	56	131	83	1.7	3.9	292
13	28	242	190	141	139	137	84	183	76	1.8	1.7	347
14	29	237	196	142	140	133	87	152	110	1.6	1.7	317
15	28	235	187	142	142	129	79	121	302	2.6	1.9	335
16	41	232	182	143	143	131	122	129	264	6.8	6.3	307
17	68	229	185	155	144	134	128	152	202	16	17	307
18	76	223	181	139	146	129	89	164	174	52	25	398
19	76	224	177	141	145	138	90	179	154	43	38	457
20	77	220	176	142	141	212	68	203	133	15	38	338
21	74	220	177	137	163	99	60	155	188	2.9	42	354
22	78	218	174	141	161	58	46	112	293	1.8	55	337
23	94	214	167	142	148	66	31	110	342	1.4	52	356
24	224	209	164	138	139	48	47	46	273	1.6	70	332
25	257	209	166	136	138	72	88	38	255	1.6	115	319
26	232	212	166	136	137	174	129	75	222	3.2	100	313
27	227	209	148	123	129	158	121	39	261	1.8	29	227
28	218	201	149	142	127	88	170	36	310	11	8.4	159
29	213	206	149	135	129	88	119	13	289	50	9.0	157
30	207	203	150	135	---	118	67	5.9	262	28	10	145
31	204	---	154	135	---	93	---	9.0	---	1.9	20	---
TOTAL	3346	6974	5594	4405	4084	3804	3391	3329.9	5512	901.0	667.8	7073
MEAN	108	232	180	142	141	123	113	107	184	29.1	21.5	236
AC-FT	6640	13830	11100	8740	8100	7550	6730	6600	10930	1790	1320	14030
MAX	257	333	207	155	163	212	371	203	342	237	115	457
MIN	28	201	148	123	127	48	31	5.9	20	1.4	1.1	37

CAL YR 1995 TOTAL 88060 MEAN 241 MAX 837 MIN 26 AC-FT 174700  
WTR YR 1996 TOTAL 49081.7 MEAN 134 MAX 457 MIN 1.1 AC-FT 97350

MAX DISCH 526 CFS AT 1130 19-SEP-1996 GH 3.97 FT. SHIFT -0.14 FT. MAX GH 3.97 FT. AT 1130 19-SEP-1996

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



## ROARING FORK RIVER BASIN

## ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN, CO

**LOCATION.**--Lat 39°13'30", long 106°51'30", NW¼SW¼ sec. 35, T.9 S., R.85 W., Pitkin County, on left bank at Aspen Consolidated Sanitation Plant 0.5 mi east of Aspen Airport and 0.8 mi downstream from confluence of Maroon Creek.

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

**GAGE.**--Continuous water-stage recorder with satellite telemetry in 4'x6' concrete shelter. Control is a natural section. Datum of gage is 7560 ft from topographic map.

**REMARKS.**--Record good. The dcp was used as the primary instrumentation for collecting gage height data. Gage height was ice effected December 14 to January 04. Estimation was obtained using data from Roaring Fork River above Glenwood Springs. The highwater intake pipe which sheared assumably as a result of high flows in July 1995 was replaced March 13, 1996. Station maintained and records developed by Judy T. Sappington.

**RATING TABLE.**--ROABMCCO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

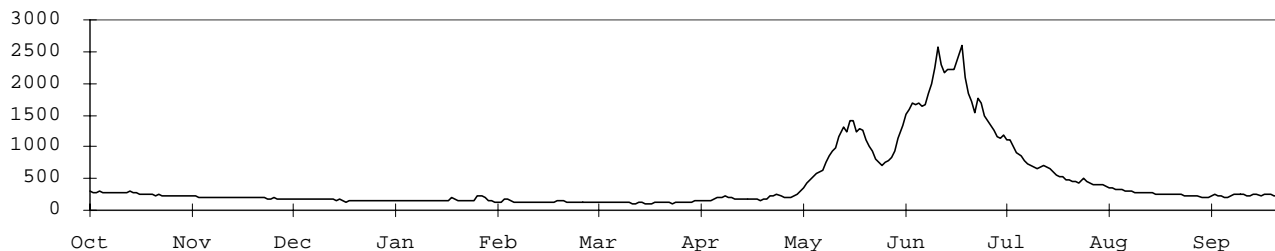
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	290	231	182	153	137	134	133	214	844	1340	405	225
2	281	216	180	150	132	125	144	220	932	1260	392	217
3	280	193	176	150	132	125	151	246	1140	1170	394	213
4	295	201	178	150	172	121	143	293	1330	1140	405	209
5	289	201	182	151	168	124	140	363	1500	1190	380	206
6	278	209	178	150	141	122	144	431	1580	1110	358	228
7	285	209	176	148	134	119	153	471	1680	1110	346	246
8	278	205	175	158	134	118	166	518	1670	1010	331	223
9	273	205	170	154	134	118	196	587	1700	915	326	218
10	272	210	169	146	133	117	214	615	1640	851	318	212
11	274	198	173	148	130	117	221	642	1660	792	309	209
12	286	205	176	147	130	118	201	749	1850	739	303	217
13	292	204	176	149	133	116	200	856	1990	703	293	242
14	271	202	169	144	130	113	181	940	2250	676	285	242
15	267	205	150	145	130	112	176	993	2580	661	284	255
16	263	201	169	140	129	115	181	1170	2300	677	283	247
17	258	198	158	144	130	117	186	1320	2160	711	276	236
18	254	193	156	139	133	112	188	1240	2210	688	268	234
19	253	192	158	200	130	109	177	1400	2230	660	265	241
20	242	192	157	183	141	113	168	1420	2220	596	263	244
21	239	190	155	161	150	116	168	1230	2360	563	258	235
22	243	190	156	150	145	120	161	1280	2590	536	257	243
23	230	190	158	143	131	121	164	1270	2100	518	262	260
24	225	183	156	161	134	119	184	1100	1850	491	251	254
25	229	186	153	139	126	115	227	1000	1710	474	244	238
26	230	191	156	139	129	112	230	935	1540	458	242	234
27	227	186	156	235	129	114	244	800	1770	446	251	227
28	224	178	153	233	127	118	228	750	1700	435	244	230
29	223	185	150	200	131	120	212	715	1480	493	239	239
30	222	182	150	139	---	123	209	748	1410	453	233	233
31	220	---	153	139	---	126	---	775	---	423	229	---
TOTAL	7993	5931	5074	4888	3935	3669	5490	25291	53976	23289	9194	6957
MEAN	258	198	164	158	136	118	183	816	1799	751	297	232
AC-FT	15850	11760	10060	9700	7810	7280	10890	50160	107100	46190	18240	13800
MAX	295	231	182	235	172	134	244	1420	2590	1340	405	260
MIN	220	178	126	139	126	109	133	214	844	423	229	206

CAL YR 1995 TOTAL 233555 MEAN 640 MAX 5700 MIN 66 AC-FT 463300  
WTR YR 1996 TOTAL 155687 MEAN 425 MAX 2590 MIN 109 AC-FT 308800

MAX DISCH 2842 CFS AT 1615 15-JUN-1996 GH 5.59 FT. SHIFT 0.26 FT. MAX GH 5.59 FT. AT 1615 15-JUN-1996

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



## ROARING FORK RIVER BASIN

09077200 FRYING PAN RIVER NEAR IVANHOE LAKE, CO

**LOCATION.**--Lat 39°14'42", long 106°31'50", Unsurveyed Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2.0 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, Co.

**DRAINAGE AREA.**--18.7 mi<sup>2</sup>.

**GAGE.**-- Graphic water-stage recorder in wooden box on a 24 in corrugated metal well. Control is a 9.8 ft wide sharp crested concrete weir. Datum of gage is 9,945 ft from topographic map.

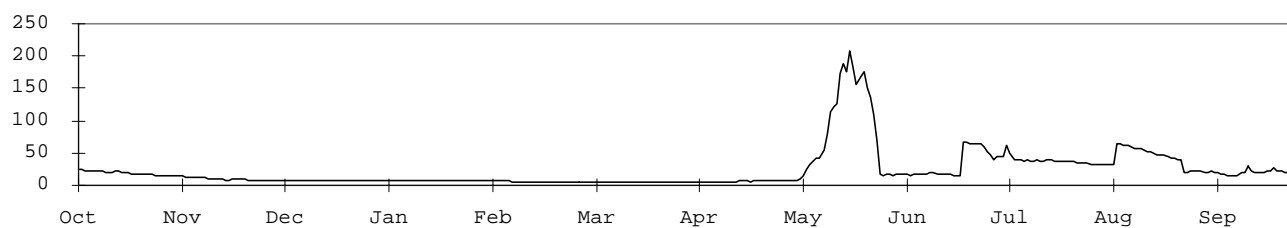
**REMARKS.**--Record good except for periods of no gage height which are poor. Well frozen or gage height ice affected October 23- 28 and starting November 2. Paper not advancing March 17 - May 28, May 30 - June 11, June 13 - 15 and June 20 - 29. Float lodged in well on sand mound July 8 - August 01. Paper not advancing August 4 - September 9. Estimation made using historic records for this site and comparison with nearby station Chapman Gulch near Nast. Transmountain diversions above station through Charles H. Boustead Tunnel made May 29 - August 6. Station maintained and records developed by Judy T. Sappington.

**RATING TABLE.**--FRYIVLC008 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	14	8.4	7.0	6.2	5.4	6.0	7.0	16	40	32	22
2	24	13	8.4	7.0	6.2	5.4	6.0	7.3	17	45	33	21
3	23	13	8.4	7.0	6.2	5.4	6.0	8.1	17	44	31	20
4	23	13	8.4	7.0	6.2	5.4	6.0	11	17	45	32	22
5	22	13	8.1	7.0	6.2	5.4	6.0	14	17	63	31	20
6	22	12	8.1	7.0	6.2	5.4	6.0	25	16	49	32	20
7	23	13	7.9	7.0	6.2	5.4	6.0	31	18	39	65	18
8	22	12	7.9	7.0	6.0	5.4	6.0	36	17	39	64	17
9	21	11	8.1	7.0	6.0	5.4	6.0	41	18	39	62	16
10	20	10	8.1	7.0	6.0	5.3	6.0	41	18	38	61	16
11	21	9.7	8.1	6.8	6.0	5.4	6.0	54	18	39	60	15
12	22	9.3	7.9	6.8	6.0	5.4	6.0	79	19	38	58	16
13	22	8.8	7.9	6.8	6.0	5.4	6.0	114	19	38	57	21
14	21	8.4	7.9	6.8	6.0	5.4	6.0	122	18	39	56	19
15	20	8.4	7.6	6.8	6.0	5.4	6.0	127	17	38	54	29
16	19	8.7	7.6	6.8	6.0	5.4	6.5	173	17	38	53	23
17	18	8.7	7.6	6.8	6.0	5.4	6.5	187	17	39	52	21
18	18	8.7	7.6	6.5	6.0	5.4	6.2	176	17	39	50	21
19	18	8.7	7.6	6.5	6.0	5.4	6.0	209	16	38	48	21
20	17	8.7	7.6	6.5	6.0	5.4	6.2	182	16	38	47	21
21	17	8.4	7.6	6.5	6.0	5.4	6.5	157	16	37	46	22
22	17	8.4	7.6	6.5	6.0	5.7	6.2	168	67	36	44	23
23	17	8.4	7.6	6.5	6.0	5.7	6.8	176	67	38	43	27
24	16	8.1	7.6	6.5	5.4	5.7	7.3	152	64	36	42	23
25	16	8.1	7.6	6.5	5.4	5.7	8.1	136	64	36	40	22
26	16	8.1	7.6	6.5	5.4	5.7	7.9	108	64	35	39	20
27	16	8.4	7.6	6.5	5.4	5.7	7.6	70	64	34	20	21
28	16	8.4	7.6	6.2	5.4	5.7	8.3	17	60	34	20	21
29	15	8.4	7.3	6.2	5.4	5.7	8.3	16	53	34	22	22
30	14	8.4	7.3	6.2	---	5.7	7.0	17	48	33	22	21
31	14	---	7.3	6.2	---	6.0	---	17	---	33	22	---
TOTAL	595	295.2	241.9	207.4	171.8	170.6	195.4	2678.4	912	1211	1338	621
MEAN	19.2	9.84	7.80	6.69	5.92	5.50	6.51	86.4	30.4	39.1	43.2	20.7
AC-FT	1180	586	480	411	341	338	388	5310	1810	2400	2650	1230
MAX	25	14	8.4	7.0	6.2	6.0	8.3	209	67	63	65	29
MIN	14	8.1	7.3	6.2	5.4	5.3	6.0	7.0	16	33	20	15
CAL YR 1995 TOTAL		5633.0	MEAN	15.4	MAX	88	MIN	7.3	AC-FT	11170		
WTR YR 1996 TOTAL		8637.7	MEAN	23.6	MAX	209	MIN	5.3	AC-FT	17130		

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



## ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO

**LOCATION.**--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie, Co.

**DRAINAGE AREA.**--9.43 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder in wooden box on a 24 in. corrugated metal well. Control is 120° v-notch weir. Datum of gage is 9,980 ft from topographic map.

**REMARKS.**--Record good except for periods of no gage height which are poor. Well frozen or gage height ice affected October 23 - 27, November 2 - 13 and from November 27. Paper not advancing March 16 - June 4. Float lodged in well on sand mound July 9 - 15 and August 26 - September 5. Estimation made using historic records for this station and comparison with nearby station Chapman Gulch near Nast. High water was measured June 25, 1996 at gage height 3.0 ft and 108 cfs. Transmountain diversions above station through Charles H. Boustead Tunnel June 4 - July 21. Station maintained and records developed by Judy T. Sappington.

**RATING TABLE.**--IVCRNACO3 USED FROM 01-OCT-1995 TO 30-SEP-1996

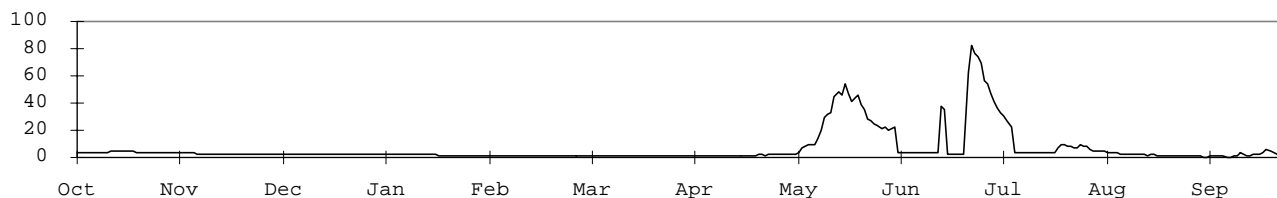
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	3.4	2.4	1.8	1.6	1.4	1.5	1.8	20	54	5.4	0.81
2	3.5	3.4	2.4	1.8	1.6	1.4	1.5	1.9	21	47	5.0	0.72
3	3.5	3.3	2.4	1.8	1.6	1.4	1.5	2.1	22	41	5.1	0.64
4	3.7	3.2	2.3	1.8	1.6	1.3	1.5	2.9	4.1	36	5.2	0.53
5	3.4	3.0	2.3	1.8	1.6	1.4	1.5	3.6	3.6	33	4.6	0.29
6	3.0	2.9	2.2	1.8	1.6	1.4	1.5	6.6	3.6	31	3.3	1.4
7	3.5	2.7	2.2	1.8	1.6	1.4	1.5	8.0	3.4	27	3.3	1.5
8	3.6	2.6	2.1	1.8	1.5	1.4	1.5	9.2	3.3	22	3.2	0.73
9	3.3	2.5	2.0	1.8	1.5	1.4	1.5	10	3.3	3.4	3.2	0.69
10	3.3	2.4	2.0	1.8	1.5	1.4	1.5	10	3.3	3.4	2.9	0.59
11	4.2	2.3	2.1	1.8	1.5	1.4	1.5	14	3.2	3.5	2.6	0.52
12	4.7	2.3	2.1	1.8	1.5	1.4	1.5	20	3.2	3.5	2.2	0.56
13	5.1	2.2	2.1	1.8	1.5	1.4	1.5	29	3.2	3.4	2.1	1.4
14	4.6	2.2	2.0	1.8	1.5	1.4	1.5	32	3.2	3.5	2.0	1.2
15	4.6	2.6	2.0	1.8	1.5	1.4	1.5	33	3.2	3.5	1.9	3.2
16	4.6	2.7	2.0	1.8	1.5	1.4	1.7	45	3.1	3.4	2.2	2.0
17	4.3	2.7	2.0	1.8	1.5	1.4	1.7	48	38	3.4	1.8	1.3
18	4.2	2.7	2.0	1.7	1.5	1.4	1.6	46	35	3.4	1.6	1.4
19	4.1	2.6	2.0	1.7	1.5	1.4	1.5	54	2.6	3.4	1.8	2.0
20	3.5	2.7	2.0	1.7	1.5	1.4	1.6	47	2.6	3.3	1.8	2.0
21	3.5	2.8	2.0	1.7	1.5	1.4	1.7	41	2.8	3.2	1.5	2.2
22	3.6	2.7	2.0	1.7	1.5	1.5	1.6	43	2.9	6.7	1.4	3.1
23	3.7	2.7	2.0	1.7	1.5	1.5	1.8	46	2.6	9.6	1.3	5.5
24	3.6	2.6	2.0	1.7	1.4	1.5	1.9	39	2.4	9.2	1.2	4.9
25	3.5	2.6	2.0	1.7	1.4	1.5	1.0	35	62	8.6	1.1	3.3
26	3.4	2.6	2.0	1.7	1.4	1.5	2.0	28	82	7.8	1.1	2.8
27	3.3	2.6	2.0	1.7	1.4	1.5	2.0	27	77	6.8	1.1	2.7
28	3.1	2.5	2.0	1.6	1.4	1.5	1.9	25	74	7.0	1.1	3.0
29	3.2	2.5	1.9	1.6	1.4	1.5	1.9	23	69	9.4	1.1	3.2
30	3.3	2.5	1.9	1.6	1.6	1.5	1.8	21	57	8.8	0.95	2.6
31	3.3	---	1.9	1.6	---	1.5	---	22	---	7.8	0.89	---
TOTAL	115.6	80.5	64.3	54.0	43.6	44.3	48.2	774.1	616.6	417.0	73.94	56.78
MEAN	3.73	2.68	2.07	1.74	1.50	1.43	1.61	25.0	20.6	13.5	2.39	1.89
AC-FT	229	160	128	107	86	88	96	1540	1220	827	147	113
MAX	5.1	3.4	2.4	1.8	1.6	1.5	2.0	54	82	54	5.4	5.5
MIN	3.0	2.2	1.9	1.6	1.4	1.3	1.0	1.8	2.4	3.2	0.89	0.29

CAL YR 1995 TOTAL 1312.60 MEAN 3.60 MAX 41 MIN 0.69 AC-FT 2600  
WTR YR 1996 TOTAL 2388.92 MEAN 6.53 MAX 82 MIN 0.29 AC-FT 4740

MAX DISCH 108 CFS AT 1000 25-JUN-1996 GH 3.24 FT. SHIFT 0.24 FT. MAX GH 3.24 FT. AT 1000 25-JUN-1996

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



## ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYING PAN RIVER AT UPPER STATION, NEAR NORRIE, CO

**LOCATION.**--Lat 39°14'20", long 106°35'24", Unsurveyed Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam, 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, Co.

**DRAINAGE AREA.**--11.5 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder in metal box mounted on a 4 in steel pipe well. Control is 6.2 ft wide sharp crested concrete weir. Datum of gage is 9,990 ft from topographic map.

**REMARKS.**--Record good except for periods of no gage height which are poor. Well frozen or gage height ice affected October 20 - 26 and starting November 1. Paper did not advance March 18 - June 10. Estimation made using historic records for this station and comparison with nearby station Chapman Gulch near Nast. Transmountain diversions above station through Charles H. Boustead Tunnel made June 11 - August 12. Station maintained and records developed by Judy T. Sappington.

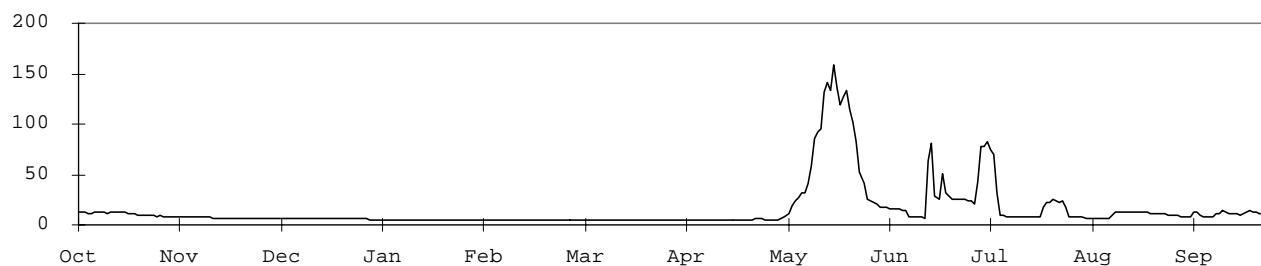
**RATING TABLE.**--FRYSFU007 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	7.3	6.4	5.3	4.7	4.1	4.5	5.3	20	21	7.6	8.9
2	12	7.4	6.4	5.3	4.7	4.1	4.5	5.5	18	43	7.3	8.6
3	12	7.4	6.4	5.3	4.7	4.1	4.5	6.2	17	78	7.3	8.2
4	11	7.4	6.4	5.3	4.7	4.1	4.5	8.4	17	77	7.1	8.0
5	11	7.2	6.4	5.3	4.7	4.1	4.5	11	16	82	6.9	8.2
6	12	7.4	6.2	5.3	4.7	4.1	4.5	19	16	75	6.7	12
7	12	7.2	6.2	5.3	4.5	4.0	4.5	24	16	70	6.7	12
8	12	7.2	6.2	5.3	4.5	4.1	4.5	27	16	31	6.7	9.4
9	12	7.2	6.0	5.3	4.5	4.1	4.5	31	15	9.1	6.7	8.4
10	11	7.2	6.0	5.3	4.5	4.1	4.5	31	15	8.9	6.7	8.2
11	12	6.8	6.2	5.1	4.5	4.1	4.5	41	8.4	8.4	6.4	8.0
12	12	6.8	6.2	5.1	4.3	4.1	4.5	59	8.4	8.4	9.7	8.2
13	12	6.8	6.2	5.1	4.3	4.1	4.5	86	8.0	8.4	12	11
14	13	6.6	6.0	5.1	4.3	4.1	4.5	92	7.6	8.0	12	11
15	12	6.6	6.0	5.1	4.3	4.1	4.5	96	7.6	8.0	12	14
16	11	6.6	6.0	5.1	4.3	4.1	4.9	131	7.1	8.0	13	12
17	11	6.6	5.7	5.1	4.3	4.1	4.9	141	64	8.0	12	11
18	11	6.6	5.7	4.9	4.3	4.1	4.7	133	81	8.0	12	11
19	10	6.6	5.7	4.9	4.3	4.1	4.5	158	28	8.0	12	11
20	9.4	6.6	5.7	4.9	4.3	4.1	4.7	137	25	7.3	12	10
21	9.4	6.4	5.7	4.9	4.3	4.1	4.9	119	51	7.8	12	11
22	8.9	6.4	5.7	4.9	4.3	4.3	4.7	127	31	18	12	12
23	9.0	6.4	5.7	4.9	4.3	4.3	5.1	133	28	22	12	14
24	8.8	6.2	5.7	4.9	4.1	4.3	5.5	115	26	23	11	13
25	8.6	6.2	5.7	4.9	4.1	4.3	6.2	102	25	25	11	12
26	9.6	6.2	5.7	4.9	4.1	4.3	6.0	82	25	24	11	11
27	8.4	6.4	5.7	4.9	4.1	4.3	5.7	53	26	23	11	11
28	8.0	6.4	5.7	4.7	4.1	4.3	5.5	41	25	24	11	11
29	8.0	6.4	5.5	4.7	4.1	4.3	5.5	25	24	17	10	12
30	7.8	6.4	5.5	4.7	---	4.3	5.3	24	24	8.2	9.6	12
31	7.6	---	5.5	4.7	---	4.5	---	22	---	7.8	9.4	---
TOTAL	324.5	202.9	184.1	156.5	126.9	129.2	145.6	2085.4	696.1	775.3	302.8	318.1
MEAN	10.5	6.76	5.94	5.05	4.38	4.17	4.85	67.3	23.2	25.0	9.77	10.6
AC-FT	644	402	365	310	252	256	289	4140	1380	1540	601	631
MAX	13	7.4	6.4	5.3	4.7	4.5	6.2	158	81	82	13	14
MIN	7.6	6.2	5.5	4.7	4.1	4.0	4.5	5.3	7.1	7.3	6.4	8.0
CAL YR 1995 TOTAL		3998.4	MEAN	11.0	MAX	114	MIN	1.2	AC-FT	7930		
WTR YR 1996 TOTAL		5447.4	MEAN	14.9	MAX	158	MIN	4.0	AC-FT	10800		

MAX DISCH 168 CFS AT 2030 17-JUN-1996 GH 4.70 FT. SHIFT 0.00 FT. MAX GH 4.70 FT. AT 2030 17-JUN-1996

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



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO

**LOCATION.**--Lat 39°15'51", long 106°37'54", Unsurveyed Pitkin County, Hydrologic Unit 14010004, on right bank 700 ft downstream from Chapman diversion tunnel, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, Co.

**DRAINAGE AREA.**--5.96 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder contained in wooden box mounted on 30" metal pipe well. Control is 120° v-notch, sharp crested weir. Datum of gage is 9,982.76 ft.

**REMARKS.**--Record good except for periods of no gage height which are poor. The chart paper did not advance for the periods January 17 - February 08, February 16 - March 12, March 14 - April 15 and April 20 - May 09 due to the chart cylinder jumping its track. Estimation for gage heights during these periods made using NOAA's climatological data and historic records for this station. The well and channel were free from ice and ice effect during the winter period. Transmountain diversions above station through Charles H. Boustead Tunnel made May 29 - August 3. Station maintained and records developed by Judy T. Sappington.

**RATING TABLE.**--CHAGULCO05 USED FROM 01-OCT-1995 TO 30-SEP-1996

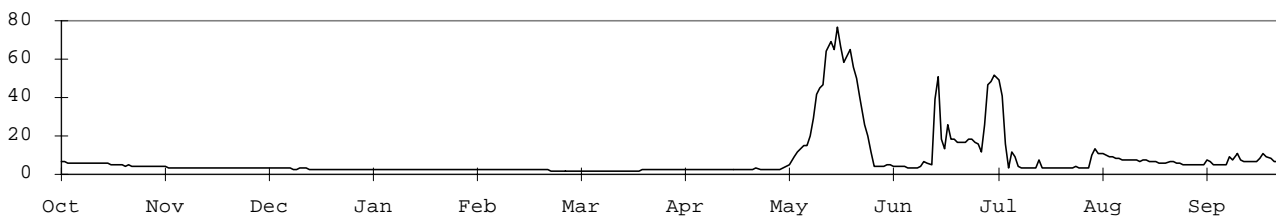
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	4.1	3.1	2.6	2.3	2.0	2.2	2.6	4.4	12	3.2	5.0
2	6.3	3.7	3.1	2.6	2.3	2.0	2.2	2.7	4.5	26	3.2	4.8
3	6.0	3.6	3.1	2.6	2.3	2.0	2.2	3.0	4.6	47	9.8	4.7
4	5.6	3.6	3.1	2.6	2.3	2.0	2.2	4.1	4.7	48	13	4.7
5	5.5	3.5	3.1	2.6	2.3	2.0	2.2	5.2	4.5	52	11	4.8
6	5.5	3.6	3.0	2.6	2.3	2.0	2.2	9.4	4.3	49	11	7.2
7	5.8	3.5	3.0	2.6	2.3	1.9	2.2	12	4.2	41	10	6.8
8	5.9	3.5	3.0	2.6	2.2	2.0	2.2	13	4.0	16	9.2	5.4
9	5.6	3.5	2.9	2.6	2.2	2.0	2.2	15	3.7	3.6	9.2	4.9
10	5.6	3.5	2.9	2.6	2.2	2.0	2.2	15	3.4	12	8.6	4.8
11	5.8	3.3	3.0	2.5	2.2	2.0	2.2	20	3.5	9.1	8.1	4.6
12	6.2	3.3	3.0	2.5	2.2	2.0	2.2	29	3.4	3.8	7.9	5.0
13	5.9	3.3	3.0	2.5	2.1	2.0	2.2	42	3.9	3.6	7.6	9.0
14	5.6	3.2	2.9	2.5	2.1	2.0	2.2	45	6.7	3.5	7.4	7.2
15	5.5	3.2	2.9	2.5	2.1	2.0	2.2	47	5.6	3.4	7.4	11
16	5.3	3.2	2.9	2.5	2.1	2.0	2.4	64	4.7	3.4	7.6	7.9
17	5.2	3.2	2.8	2.5	2.1	2.0	2.4	69	39	3.5	6.9	6.6
18	5.1	3.2	2.8	2.4	2.1	2.0	2.3	65	51	7.8	7.2	6.8
19	4.8	3.2	2.8	2.4	2.1	2.0	2.2	77	18	3.6	7.2	6.9
20	4.1	3.2	2.8	2.4	2.1	2.0	2.3	67	13	3.5	6.8	6.6
21	4.8	3.1	2.8	2.4	2.1	2.0	2.4	58	26	3.4	6.8	6.8
22	4.4	3.1	2.8	2.4	2.1	2.1	2.3	62	18	3.2	6.5	8.1
23	4.4	3.1	2.8	2.4	2.1	2.1	2.5	65	18	3.2	6.0	11
24	4.3	3.0	2.8	2.4	2.0	2.1	2.7	56	17	3.2	5.9	9.2
25	4.2	3.0	2.8	2.4	2.0	2.1	3.0	50	17	3.2	5.8	8.3
26	4.2	3.0	2.8	2.4	2.0	2.1	2.9	40	17	3.2	6.5	6.9
27	4.2	3.1	2.8	2.4	2.0	2.1	2.8	26	18	3.2	6.3	6.8
28	4.1	3.1	2.8	2.3	2.0	2.1	2.7	20	18	3.7	6.2	7.2
29	4.2	3.1	2.7	2.3	2.0	2.1	2.7	12	17	4.4	5.6	7.6
30	4.2	3.1	2.7	2.3	---	2.1	2.6	4.1	16	3.3	5.4	7.0
31	4.1	---	2.7	2.3	---	2.2	---	4.2	---	3.2	5.2	---
TOTAL	159.4	99.1	89.7	76.7	62.2	63.0	71.2	1004.3	373.1	389.0	228.5	203.6
MEAN	5.14	3.30	2.89	2.47	2.14	2.03	2.37	32.4	12.4	12.5	7.37	6.79
AC-FT	316	197	178	152	123	125	141	1990	740	772	453	404
MAX	7.0	4.1	3.1	2.6	2.3	2.2	3.0	77	51	52	13	11
MIN	4.1	3.0	2.7	2.3	2.0	1.9	2.2	2.6	3.4	3.2	3.2	4.6

CAL YR 1995 TOTAL 1888.6 MEAN 5.17 MAX 33 MIN 1.7 AC-FT 3750  
WTR YR 1996 TOTAL 2819.8 MEAN 7.70 MAX 77 MIN 1.9 AC-FT 5590

MAX DISCH 125 CFS AT 1030 17-JUN-1996 GH 3.89 FT. SHIFT 0.03 FT. MAX GH 3.89 FT. AT 1030 17-JUN-1996

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



## ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYING PAN RIVER NEAR NORRIE, CO

**LOCATION.**--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

**DRAINAGE AREA.**--42 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder in 42-inch corrugated metal well. Control is natural channel. Datum of gage is 8,330 ft from topographic map.

**REMARKS.**--Record good except for periods of no gage height which are poor. Well frozen or ice affected November 4 -April 25. Estimation made by comparison to nearby gage Frying Pan River near Thomasville and historic record for this station. No transmountain diversions above station were made through Charles H. Boustead Tunnel this year. Station maintained and record developed by Judy T. Sappington.

**RATING TABLE.**--FRYNFNCO09 USED FROM 01-OCT-1995 TO 30-SEP-1996

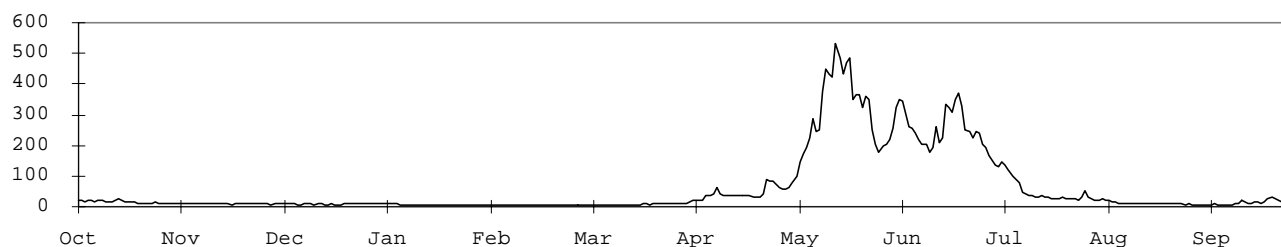
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	12	9.0	8.1	5.5	6.1	13	57	218	167	25	5.7
2	20	9.8	8.6	8.3	5.3	6.1	17	62	256	149	23	5.2
3	17	11	8.3	8.1	5.5	5.9	22	77	321	135	23	4.9
4	20	9.4	8.5	7.9	6.8	6.1	21	101	349	129	24	4.4
5	19	9.9	8.3	8.1	6.6	6.4	19	144	343	144	21	4.4
6	16	11	7.7	7.7	6.4	6.4	22	170	305	137	19	5.0
7	21	12	7.7	7.2	6.4	6.1	34	194	260	120	16	8.3
8	21	10	8.6	6.6	6.1	6.1	38	226	256	99	15	5.9
9	18	10	8.3	6.1	5.9	6.1	40	285	239	87	13	4.9
10	16	11	8.1	6.4	5.9	6.4	63	243	218	79	12	4.8
11	17	10	7.7	6.1	5.7	6.6	42	252	201	46	12	4.4
12	20	11	8.3	5.9	5.7	6.6	38	377	201	41	11	4.3
13	25	10	8.1	5.9	5.7	6.6	37	451	180	37	10	9.3
14	20	10	7.7	5.9	5.7	6.8	36	432	194	35	9.8	10
15	18	10	6.8	5.9	5.7	6.8	35	425	260	31	9.5	19
16	17	7.7	8.6	5.9	5.7	7.0	37	532	208	30	12	16
17	16	9.9	7.7	5.9	5.9	7.2	38	484	222	37	10	12
18	14	9.2	7.0	5.9	6.1	7.0	37	432	332	32	9.8	12
19	13	9.0	7.5	5.9	6.1	9.4	34	471	326	30	11	14
20	10	8.7	8.1	5.9	6.1	9.4	34	484	306	28	10	14
21	11	8.5	8.8	5.9	6.6	7.5	33	348	349	25	9.8	13
22	12	8.2	9.0	5.9	6.4	8.1	31	365	371	26	9.3	14
23	10	9.0	9.0	5.9	6.4	11	31	365	327	31	11	25
24	14	8.3	8.8	5.9	6.4	8.9	42	326	252	28	9.5	30
25	12	8.8	9.0	5.9	6.4	8.6	87	360	247	26	8.3	27
26	12	8.8	8.8	5.9	6.4	10	85	348	226	25	8.5	20
27	12	8.3	8.6	5.9	6.4	8.3	83	252	247	24	8.7	16
28	11	7.2	8.8	5.9	5.9	8.8	71	201	241	23	7.9	17
29	10	9.9	8.6	5.9	5.9	9.2	62	175	201	30	7.7	17
30	10	9.0	8.3	5.9	---	9.6	57	197	194	50	8.1	16
31	10	---	8.3	5.9	---	10	---	201	---	32	6.7	---
TOTAL	482	287.6	256.6	198.6	175.6	235.1	1239	9037	7850	1913	391.6	363.5
MEAN	15.5	9.59	8.28	6.41	6.06	7.58	41.3	292	262	61.7	12.6	12.1
AC-FT	956	570	509	394	348	466	2460	17920	15570	3790	777	721
MAX	25	12	9.0	8.3	6.8	11	87	532	371	167	25	30
MIN	10	7.2	6.8	5.9	5.3	5.9	13	57	180	23	6.7	4.3

CAL YR 1995 TOTAL 20149.9 MEAN 55.2 MAX 445 MIN 3.2 AC-FT 39970  
WTR YR 1996 TOTAL 22429.6 MEAN 61.3 MAX 532 MIN 4.3 AC-FT 44490

MAX DISCH 720 CFS AT 1130 16-MAY-1996 GH 4.97 FT. SHIFT 0.11 FT. MAX GH 4.97 FT. AT 1130 16-MAY-1996

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



ROARING FORK RIVER BASIN

09078600 FRYING PAN RIVER NEAR THOMASVILLE, CO

**LOCATION.**--Lat 39°20'41", long 106°40'23", in NW¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on right bank 400 ft upstream from private bridge, 400 ft downstream from North Fork, 1.6 mi southeast of Thomasville, and 1.7 mi northwest of Norrie.

**DRAINAGE AREA.**--134 mi².

**GAGE.**--Water-stage recorder with satellite telemetry in 42-inch metal pipe shelter with supplemental outside staff gage. Control is a 100-ft. wide concrete dam 10 ft. below gage. Datum of gage is 8,210 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Record is good and reliable for entire year. The DCP was used as the primary instrumentation for collecting gage height data. Missing satellite data (November 07 - 14 and November 19 - 22), gage height affected by ice (December 23 - January 04) and gage height affected by plugged inlets (June 18 - July17) obtained from recorder and comparison to nearby station, Frying Pan River at Meredith. High water measurement obtained May 17, 1996, gage height of 4.14 ft and 1,180 cfs. Transmountain diversions upstream from station to Arkansas River basin through Busk-Ivanhoe Tunnel since June 1925 and Charles H. Boustead Tunnel since May 16, 1972. Station maintained and records developed by Judy T. Sappington.

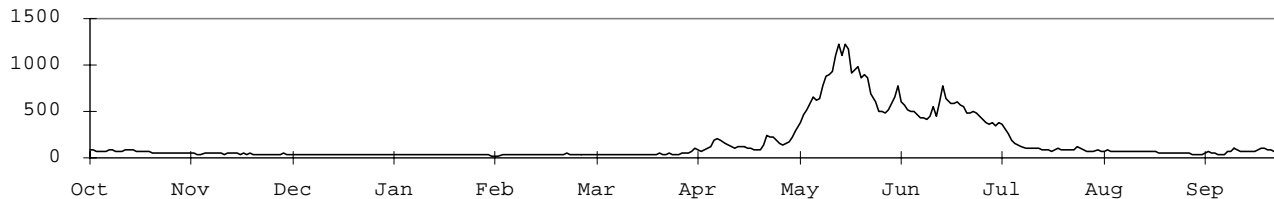
**RATING TABLE.**--FRYTHOCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	56	41	37	25	28	60	147	524	372	72	44
2	79	45	39	38	24	28	77	165	578	370	68	42
3	75	35	38	37	25	27	98	224	653	378	70	40
4	77	43	40	36	31	28	83	298	771	349	80	39
5	74	45	42	37	30	29	70	386	597	376	71	39
6	77	51	40	35	29	29	84	459	570	356	66	54
7	79	53	38	33	29	28	98	509	513	318	78	67
8	79	47	39	30	28	28	121	578	502	256	77	49
9	75	48	38	28	27	28	183	648	492	185	74	44
10	71	47	37	29	27	29	209	622	465	161	70	43
11	75	40	35	28	26	30	197	642	433	138	66	40
12	81	50	38	27	26	30	156	770	438	118	64	41
13	92	47	37	27	26	30	141	877	413	108	68	63
14	78	45	35	27	26	31	116	895	442	106	65	65
15	76	46	31	27	26	31	107	927	556	101	65	99
16	73	35	38	27	26	32	117	1110	448	102	70	81
17	70	45	35	27	27	33	126	1220	602	110	64	69
18	66	42	32	27	28	32	114	1100	769	92	62	66
19	64	48	34	27	28	43	105	1220	642	90	67	75
20	57	43	37	27	28	43	96	1180	582	78	66	71
21	56	42	40	27	30	34	90	918	580	73	62	71
22	60	43	41	27	29	37	84	952	604	78	61	78
23	50	41	41	27	29	51	88	975	567	101	58	105
24	52	38	40	27	55	40	137	869	548	91	55	103
25	58	40	41	27	29	39	236	890	491	93	53	87
26	59	40	40	27	29	47	224	861	491	91	54	78
27	55	38	39	26	29	38	229	697	501	87	60	71
28	50	33	40	27	27	40	190	601	491	86	54	73
29	51	45	39	27	27	42	151	496	448	119	53	80
30	53	40	38	27	---	44	144	492	419	108	49	75
31	52	---	38	27	---	47	---	485	---	82	47	---
TOTAL	2104	1311	1181	907	826	1076	3931	22213	16130	5173	1989	1952
MEAN	67.9	43.7	38.1	29.3	28.5	34.7	131	717	538	167	64.2	65.1
AC-FT	4170	2600	2340	1800	1640	2130	7800	44060	31990	10260	3950	3870
MAX	92	56	42	38	55	51	236	1220	771	378	80	105
MIN	50	33	31	26	24	27	60	147	413	73	47	39
CAL YR 1995 TOTAL		57091	MEAN	156	MAX	1100	MIN	18	AC-FT	113200		
WTR YR 1996 TOTAL		58793	MEAN	161	MAX	1220	MIN	24	AC-FT	116600		

MAX DISCH 1430 CFS AT 0230 17-MAY-1996 GH 4.40 FT. SHIFT -0.06 FT. MAX GH 4.40 FT. AT 0230 17-MAY-1996

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





## ROARING FORK RIVER BASIN

09080100 FRYING PAN RIVER AT MEREDITH, CO

**LOCATION.**--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec. 11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, 0.1 mi downstream from Waterbury Creek, and 0.7 mi downstream from Jakeman Creek.

**DRAINAGE AREA.**--191 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder in a 42-inch corrugated metal well. Control is natural channel. Datum of gage is 7,780 ft from topographic map.

**REMARKS.**--Record is good and reliable for entire year. Ice affected period started December 12, clock stopped January 19 - April 25 and inlets were plugged August 28 - September 4 at which times the gage heights were estimated using data from nearby station, Frying Pan River near Thomasville. High water was measured May 17, 1996, at gage height 4.73 feet and 1,580 cfs. Station maintained and records developed by Judy T. Sappington.

**RATING TABLE.**--FRYMERCO04 USED FROM 01-OCT-1995 TO 30-SEP-1996

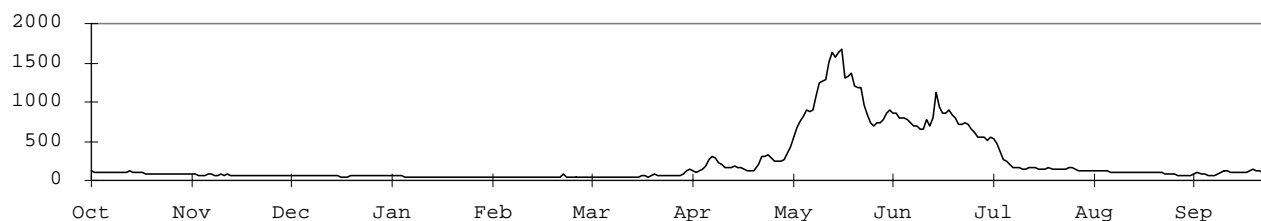
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	89	61	54	37	41	88	247	738	546	132	70
2	106	77	60	56	35	41	113	272	770	544	120	68
3	103	61	60	54	37	40	144	344	853	555	120	66
4	105	70	60	53	46	41	122	436	895	513	130	66
5	105	69	61	54	44	43	103	555	847	553	120	66
6	95	74	60	51	43	43	123	668	850	523	113	78
7	103	77	60	48	43	41	144	746	804	467	116	97
8	101	69	58	44	41	41	178	818	788	376	123	78
9	94	69	61	41	40	41	269	888	767	258	119	72
10	92	72	60	43	40	43	307	882	740	236	114	69
11	95	67	58	41	38	44	289	903	695	203	108	66
12	99	75	57	40	38	44	229	1090	692	173	101	66
13	114	69	57	40	38	44	207	1250	653	159	105	89
14	99	67	54	40	38	46	170	1270	662	156	101	94
15	97	66	52	40	38	46	157	1280	779	148	101	120
16	105	66	56	40	38	47	172	1520	704	150	110	116
17	94	66	51	40	40	48	185	1640	790	162	101	103
18	89	61	47	40	41	47	168	1570	1130	162	99	99
19	89	63	50	40	41	63	154	1640	944	164	101	108
20	80	61	54	40	41	63	141	1670	856	142	101	103
21	82	60	59	40	44	50	132	1310	853	133	99	99
22	85	58	60	40	43	54	123	1320	888	135	97	108
23	75	57	60	40	43	75	129	1360	833	156	94	130
24	78	54	59	40	81	59	201	1210	806	145	92	135
25	83	55	60	40	43	57	315	1190	721	148	92	128
26	83	57	59	40	43	69	315	1190	722	146	92	118
27	80	58	57	38	43	56	323	960	736	145	99	110
28	74	57	59	40	40	59	291	828	722	140	87	112
29	77	69	57	40	40	62	245	734	658	173	85	116
30	82	60	56	40	---	65	235	686	616	173	79	110
31	83	---	56	40	---	69	---	740	---	142	73	---
TOTAL	2861	1973	1779	1337	1217	1582	5772	31217	23512	7826	3224	2860
MEAN	92.3	65.8	57.4	43.1	42.0	51.0	192	1007	784	252	104	95.3
AC-FT	5670	3910	3530	2650	2410	3140	11450	61920	46640	15520	6390	5670
MAX	114	89	61	56	81	75	323	1670	1130	555	132	135
MIN	74	54	47	38	35	40	88	247	616	133	73	66

CAL YR 1995 TOTAL 85540 MEAN 234 MAX 1470 MIN 32 AC-FT 169700  
WTR YR 1996 TOTAL 85160 MEAN 233 MAX 1670 MIN 35 AC-FT 168900

MAX DISCH 1960 CFS AT 0045 20-MAY-1996 GH 5.18 FT. SHIFT 0.18 FT. MAX GH 5.18 FT. AT 0045 20-MAY-1996

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



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO

**LOCATION.**--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, Hydrologic Unit 14010004 on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Frying Pan River and 4.6 mi west of Meredith.

**DRAINAGE AREA.**--12.3 mi<sup>2</sup>.

**GAGE.**--Graphic water-stage recorder in a 42 in corrugated metal well with satellite telemetry mounted on top of Ruedi Dam. Control is v-notch, sharp crested weir. Datum of gage is 7,494.50 ft.

**REMARKS.**--Record good. The dcp was used as primary instrumentation for collecting gage height data. Gage height affected by ice December 18 and December 28 - February 5; by beaver activity October 1, February 22 - 27, March 12, 13, 22 - 26, July 16 - 18, August 12, 13, 20, 21, August 30 - September 2, 9, 10, 28. Data relay not properly transmitting May 30 - June 4. Station maintained and records developed by Judy T. Sappington

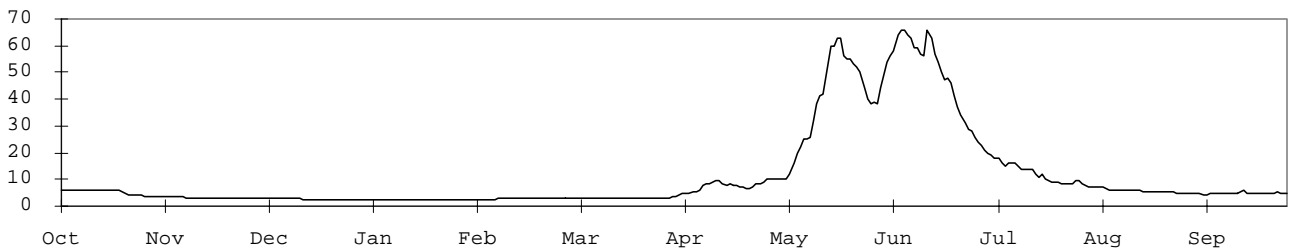
**RATING TABLE.**--RFCMERC001 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	3.4	2.7	2.4	2.5	3.0	3.8	10	44	23	8.0	4.7
2	6.0	3.4	2.7	2.4	2.5	3.0	4.3	10	49	21	7.4	4.7
3	6.0	3.4	2.7	2.4	2.5	3.0	4.7	9.9	54	20	7.2	4.7
4	6.0	3.4	2.7	2.4	2.5	3.0	4.8	10	56	19	7.3	4.7
5	6.0	3.4	2.7	2.4	2.5	2.8	5.0	12	58	18	7.1	4.4
6	6.0	3.4	2.7	2.4	2.5	2.8	5.1	16	64	18	6.9	4.4
7	6.0	2.9	2.7	2.4	2.5	2.8	5.3	20	66	16	6.8	4.5
8	6.0	2.8	2.7	2.4	2.7	2.8	6.0	22	66	15	5.9	4.5
9	6.0	2.8	2.7	2.4	2.8	2.8	7.6	25	64	16	6.2	4.5
10	6.0	2.7	2.7	2.4	2.8	2.7	8.1	25	63	16	6.1	4.5
11	6.0	2.7	2.7	2.4	2.8	2.7	8.6	26	59	16	6.0	4.5
12	6.0	2.7	2.6	2.4	2.8	2.7	8.9	32	59	15	5.7	4.5
13	6.0	2.7	2.4	2.4	2.8	2.8	9.5	38	57	14	5.7	4.5
14	6.0	2.7	2.4	2.4	2.8	2.8	9.5	41	56	14	5.7	4.5
15	6.0	2.7	2.4	2.4	2.8	2.8	8.4	42	66	14	5.7	4.8
16	6.0	2.7	2.4	2.4	2.7	2.8	7.8	49	63	14	5.7	5.1
17	6.0	2.7	2.4	2.4	2.7	2.8	8.1	60	57	12	5.7	5.9
18	6.0	2.7	2.1	2.4	2.8	2.9	7.8	60	54	11	5.6	4.8
19	5.2	2.7	2.3	2.4	2.8	2.9	7.5	63	50	12	5.5	4.7
20	4.8	2.7	2.4	2.4	2.8	3.1	7.3	63	47	10	5.5	4.7
21	4.4	2.7	2.4	2.2	2.8	3.1	7.1	56	48	9.8	5.5	4.7
22	4.3	2.7	2.4	2.2	2.8	2.8	6.7	55	46	9.1	5.5	4.7
23	4.3	2.7	2.4	2.2	2.8	2.8	6.7	55	41	9.1	5.5	4.8
24	4.3	2.7	2.4	2.2	2.8	2.8	7.3	53	37	8.8	5.5	5.0
25	4.0	2.7	2.4	2.2	2.8	2.8	8.4	52	34	8.5	5.5	5.0
26	3.7	2.7	2.4	2.4	2.8	2.8	8.4	50	31	8.2	5.5	5.0
27	3.4	2.7	2.4	2.4	2.8	2.8	9.1	44	29	8.1	5.2	5.1
28	3.4	2.7	2.4	2.4	3.2	3.0	9.9	40	28	8.1	5.0	4.7
29	3.4	2.7	2.4	2.4	3.0	3.0	10	38	26	9.4	5.0	4.7
30	3.4	2.7	2.4	2.5	---	3.2	10	39	24	9.6	5.0	4.7
31	3.4	---	2.4	2.5	---	3.3	---	38	---	8.6	5.0	---
TOTAL	160.0	85.6	77.5	73.6	79.4	89.4	221.7	1153.9	1496	411.3	183.9	142.0
MEAN	5.16	2.85	2.50	2.37	2.74	2.88	7.39	37.2	49.9	13.3	5.93	4.73
AC-FT	317	170	154	146	157	177	440	2290	2970	816	365	282
MAX	6.0	3.4	2.7	2.5	3.2	3.3	10	63	66	23	8.0	5.9
MIN	3.4	2.7	2.1	2.2	2.5	2.7	3.8	9.9	24	8.1	5.0	4.4
CAL YR 1995 TOTAL		5169.8	MEAN	14.2	MAX	101	MIN	2.1	AC-FT	10250		
WTR YR 1996 TOTAL		4174.3	MEAN	11.4	MAX	66	MIN	2.1	AC-FT	8280		

MAX DISCH 72 CFS AT 1700 15-JUN-1996 GH 1.55 FT. SHIFT -0.03 FT. MAX GH 1.55 FT. AT 1700 15-JUN-1996

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



## YAMPA RIVER BASIN

## WILLOW CREEK BELOW STEAMBOAT LAKE

**LOCATION.**--Lat 40°47'28", long 106°56'40", in sec. 29, T.10 N., R.85 W., in Routt County. 50 feet below the outlet of Steamboat Lake.

**DRAINAGE AREA.**--35.5 mi<sup>2</sup>.

**GAGE.**--Float driven satellite telemetry. Approximate elevation of gage is 7950 feet.

**REMARKS.**--Record is complete & reliable. Flows were estimated during periods of no telemetry (2/18 thru 5/14 and 6/22 thru 8/21) from observer data supplied by DPOR. Unpublished data collected by DWR & DPOR personnel starting in 1979. Records developed by Kent Holt. Rating extended above 249 cfs.

**RATING TABLE.**--WILBSLCO USED FROM 01-OCT-1995 TO 30-SEP-1996

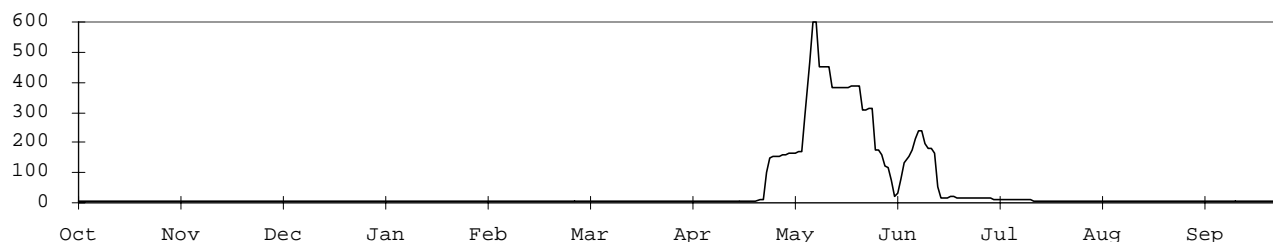
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	6.5	6.5	6.5	6.5	6.5	6.5	158	124	15	5.2	5.0
2	4.7	6.5	6.5	6.5	6.5	6.5	6.5	160	118	14	5.2	5.0
3	4.7	6.5	6.5	6.5	6.5	6.5	6.5	162	76	14	5.2	5.0
4	4.7	6.5	6.5	6.5	6.5	6.5	6.5	164	23	13	5.2	5.0
5	4.7	6.5	6.5	6.5	6.5	6.5	6.5	166	31	13	5.2	5.0
6	4.7	6.5	6.5	6.5	6.5	6.5	6.5	168	78	12	5.2	5.0
7	4.7	6.5	6.5	6.5	6.5	6.5	6.5	170	132	12	5.2	5.0
8	4.7	6.5	6.5	6.5	6.5	6.5	6.5	290	155	11	5.2	5.0
9	4.7	6.5	6.5	6.5	6.5	6.5	6.5	465	174	11	5.2	5.0
10	4.7	6.5	6.5	6.5	6.5	6.5	6.5	600	214	10	5.2	5.0
11	5.0	6.5	6.5	6.5	6.5	6.5	6.5	600	238	10	5.2	5.0
12	5.0	6.5	6.5	6.5	6.5	6.5	6.5	450	238	9.5	5.2	5.0
13	5.0	6.5	6.5	6.5	6.5	6.5	6.5	450	199	9.0	5.2	5.0
14	5.0	6.5	6.5	6.5	6.5	6.5	6.5	450	180	8.6	5.2	5.0
15	5.0	6.5	6.5	6.5	6.5	6.5	6.5	450	180	8.1	5.2	5.0
16	5.0	6.5	6.5	6.5	6.5	6.5	6.5	380	163	7.6	5.2	5.0
17	5.0	6.5	6.5	6.5	6.5	6.5	6.5	381	55	7.1	5.2	5.0
18	5.0	6.5	6.5	6.5	6.5	6.5	6.5	382	16	6.7	5.2	5.0
19	5.5	6.5	6.5	6.5	6.5	6.5	6.5	383	17	6.2	5.2	5.0
20	6.5	6.5	6.5	6.5	6.5	6.5	6.5	384	17	5.7	5.2	5.0
21	6.5	6.5	6.5	6.5	6.5	6.5	6.5	384	20	5.2	5.2	5.0
22	6.5	6.5	6.5	6.5	6.5	6.5	6.5	385	19	5.2	5.2	5.0
23	6.5	6.5	6.5	6.5	6.5	6.5	6.5	386	18	5.2	5.2	5.0
24	6.5	6.5	6.5	6.5	6.5	6.5	9.2	387	18	5.2	5.2	5.0
25	6.5	6.5	6.5	6.5	6.5	6.5	12	310	18	5.2	5.2	5.0
26	6.5	6.5	6.5	6.5	6.5	6.5	100	310	17	5.2	5.2	5.0
27	6.5	6.5	6.5	6.5	6.5	6.5	150	311	17	5.2	5.2	5.0
28	6.5	6.5	6.5	6.5	6.5	6.5	152	312	16	5.2	5.2	5.0
29	6.5	6.5	6.5	6.5	6.5	6.5	154	176	16	5.2	5.2	5.0
30	6.5	6.5	6.5	6.5	---	6.5	156	174	15	5.2	5.0	5.0
31	6.5	---	6.5	6.5	---	6.5	---	159	---	5.2	5.0	---
TOTAL	170.5	195.0	201.5	201.5	188.5	201.5	882.7	10107	2602	260.7	160.8	150.0
MEAN	5.50	6.50	6.50	6.50	6.50	6.50	29.4	326	86.7	8.41	5.19	5.00
AC-FT	338	387	400	400	374	400	1750	20050	5160	517	319	298
MAX	6.5	6.5	6.5	6.5	6.5	6.5	6.5	600	238	15	5.2	5.0
MIN	4.7	6.5	6.5	6.5	6.5	6.5	6.5	158	15	5.2	5.0	5.0

CAL YR 1995 TOTAL 18640.4 MEAN 51.1 MAX 578 MIN 1.4 AC-FT 36970  
WTR YR 1996 TOTAL 15321.7 MEAN 41.9 MAX 600 MIN 4.7 AC-FT 30390

MAX DISCH 600 CFS AT 10-MAY-1996 GH 3.90 FT. SHIFT 0.00 FT. MAX GH 3.90 FT. AT 10-MAY-1996

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



NORTH PLATTE RIVER BASIN

06617500 ILLINOIS RIVER NEAR RAND

LOCATION.--Lat 40°27'45", long 106°10'30", in sec. 29, T.6 N., R.78 W., in Jackson County, on right upstream bridge abutment.

DRAINAGE AREA.--68 mi<sup>2</sup>.

GAGE.--Float driven satellite telemetry. Approximate elevation of gage is 8550 feet.

REMARKS.--Record is complete & reliable except during periods of no telemetry (11/3 thru 5/7 and 6/26 thru 7/18). Daily staff gage readings were supplied by DWR personnel 4/10 thru 5/7 and 6/26 thru 7/18. Records developed by Kent Holt. Formerly published as Illinois Creek near Rand (1931-1940) at similar location. Staff gage installed at current site & datum in 1981. Rating extended above 187 cfs.

RATING TABLE.--RATING TABLE ILLRANCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

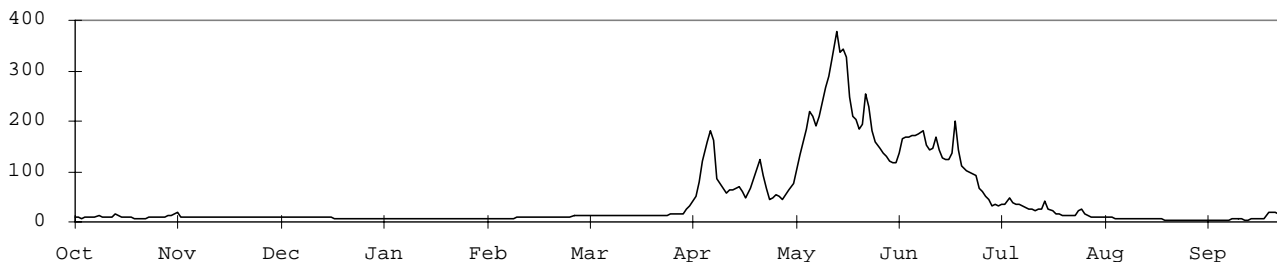
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	20	9.0	7.0	6.0	12	15	43	131	52	12	3.1
2	9.4	9.4	9.0	7.0	6.2	12	24	54	122	46	10	2.8
3	7.5	9.4	9.0	6.9	6.4	12	32	65	119	33	10	2.8
4	10	9.4	8.8	6.9	6.6	12	41	76	119	36	10	2.5
5	11	9.4	8.7	6.9	6.8	12	50	104	138	33	10	2.5
6	9.4	9.4	8.7	6.8	7.0	12	80	133	164	34	8.9	2.8
7	11	9.4	8.6	6.8	7.2	13	120	158	168	35	8.4	4.5
8	12	9.4	8.6	6.8	7.4	13	160	183	167	49	8.0	4.1
9	9.4	9.3	8.5	6.7	7.7	13	180	218	170	39	7.5	3.1
10	8.9	9.3	8.4	6.7	7.9	13	161	209	172	36	7.5	3.1
11	9.4	9.3	8.4	6.7	8.1	13	86	190	174	34	7.0	2.8
12	10	9.3	8.3	6.6	8.3	13	75	209	180	32	6.6	2.5
13	15	9.3	8.2	6.6	8.5	13	66	238	152	30	6.1	4.9
14	12	9.3	8.2	6.6	8.7	13	58	266	142	26	5.7	6.1
15	10	9.2	8.1	6.6	8.9	13	62	288	145	24	5.7	6.6
16	9.4	9.2	8.0	6.5	9.1	14	65	323	167	23	5.3	5.3
17	8.4	9.2	8.0	6.5	9.3	14	68	377	143	24	4.9	4.1
18	8.0	9.2	7.9	6.4	9.5	14	71	338	126	24	4.9	3.8
19	7.5	9.2	7.8	6.4	9.7	14	59	343	125	40	5.7	5.7
20	7.0	9.2	7.8	6.4	9.9	14	48	327	124	26	6.1	7.1
21	6.1	9.2	7.7	6.4	10	14	67	248	138	21	5.3	6.6
22	7.5	9.1	7.6	6.3	10	14	86	210	199	17	5.3	6.6
23	10	9.1	7.6	6.3	11	14	106	202	142	15	4.9	7.5
24	11	9.1	7.5	6.3	11	14	125	183	112	14	4.5	18
25	10	9.1	7.4	6.2	11	14	92	195	102	14	3.8	20
26	10	9.1	7.4	6.2	11	14	68	254	99	14	3.4	19
27	11	9.1	7.3	6.2	11	14	44	227	96	14	3.4	16
28	10	9.0	7.3	6.1	12	15	49	180	93	13	4.1	14
29	12	9.0	7.2	6.1	12	15	54	159	66	21	4.5	13
30	14	9.0	7.1	6.1	---	15	51	147	59	26	4.1	13
31	15	---	7.1	6.0	---	15	---	137	---	16	3.4	---
TOTAL	311.9	287.6	249.2	202.0	258.2	417	2263	6284	4054	861	197.0	213.9
MEAN	10.1	9.59	8.04	6.52	8.90	13.5	75.4	203	135	27.8	6.35	7.13
AC-FT	619	570	494	401	512	827	4490	12460	8040	1710	391	424
MAX	15	20	9.0	7.0	12	15	180	377	199	52	12	20
MIN	6.1	9.0	7.1	6.0	6.0	12	15	43	59	13	3.4	2.5

CAL YR 1995 TOTAL 18767.0 MEAN 51.4 MAX 450 MIN 3.2 AC-FT 37220  
WTR YR 1996 TOTAL 15598.8 MEAN 42.6 MAX 377 MIN 2.5 AC-FT 30940

MAX DISCH 403 CFS AT 1600 17-MAY-1996 GH 3.46 FT. SHIFT -0.09 FT. MAX GH 3.46 FT. AT 1600 17-MAY-1996

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



## SAN JUAN RIVER BASIN

## DOLORES TUNNEL OUTLET NEAR DOLORES, CO

LOCATION.--Lat 37°28'00", long 108°32'30", in SW¼SE¼ sec. 18, T. 37 N., R.15 W., NMPM, Montezuma County.

DRAINAGE AREA.--N/A

GAGE.--Satellite telemetry at a 15 foot Parshall flume.

REMARKS.--Records good. Station maintained by the Dolores Conservancy District and records developed by Scott D. Brinton.

RATING TABLE.--DOLTUNCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

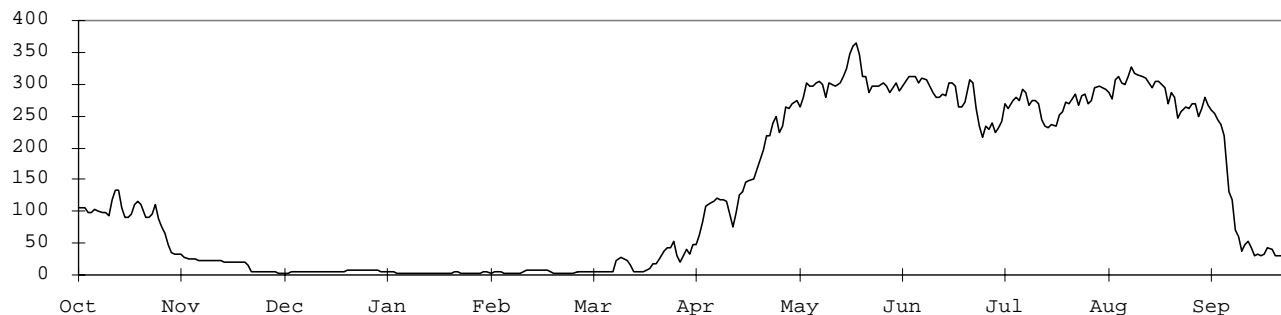
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	32	3.7	5.9	3.8	4.4	40	264	288	229	273	270
2	105	27	3.7	6.0	3.7	4.4	33	262	294	238	295	250
3	105	24	3.7	4.9	3.9	4.4	48	268	302	224	298	261
4	98	24	4.6	3.9	3.9	4.4	49	274	289	231	295	280
5	97	24	5.4	3.7	3.8	4.4	64	264	296	241	292	266
6	104	23	5.9	3.7	3.7	4.4	82	279	304	269	288	260
7	101	22	5.2	3.7	3.7	4.6	109	302	311	262	277	253
8	99	22	4.8	3.7	3.7	4.5	113	296	311	275	308	243
9	99	22	4.8	3.7	3.7	4.4	115	297	311	279	311	236
10	92	22	4.8	3.7	3.7	4.4	120	301	302	275	302	219
11	117	22	4.8	3.7	3.7	22	117	304	309	292	299	132
12	134	22	4.6	3.7	6.0	28	117	299	307	287	311	119
13	134	22	4.4	3.7	7.3	25	115	280	296	267	326	71
14	105	21	4.4	3.7	7.0	23	96	302	286	275	316	60
15	91	19	4.4	3.7	6.7	14	76	299	278	273	314	37
16	90	19	4.4	3.7	6.7	4.1	97	298	279	270	313	49
17	95	19	4.4	3.7	6.7	4.0	127	303	285	243	310	53
18	111	19	4.4	3.7	6.7	5.4	131	312	283	234	301	43
19	116	19	4.4	3.7	6.7	4.6	146	324	302	232	294	31
20	110	19	5.2	3.7	4.5	7.2	149	348	302	237	304	32
21	91	14	7.0	3.7	3.1	11	152	360	296	235	305	29
22	91	4.4	6.5	4.5	3.1	18	165	365	264	251	299	32
23	95	4.1	6.4	3.9	3.1	18	180	347	263	257	294	44
24	111	4.1	6.7	3.7	3.1	24	197	313	272	271	270	39
25	89	4.1	6.7	3.7	3.1	38	220	311	306	269	287	31
26	75	4.1	6.7	3.7	3.1	43	219	288	302	277	278	31
27	65	4.1	6.7	3.7	3.1	43	239	298	262	284	247	30
28	49	4.1	6.4	3.7	3.9	54	249	298	234	266	256	31
29	35	3.9	6.3	3.7	4.4	30	225	296	217	283	263	30
30	33	3.7	6.3	3.7	---	20	235	301	233	285	261	33
31	32	---	6.1	3.9	---	31	---	297	---	269	268	---
TOTAL	2874	493.6	163.8	121.8	129.6	511.6	4025	9350	8584	8080	9055	3495
MEAN	92.7	16.5	5.28	3.93	4.47	16.5	134	302	286	261	292	117
AC-FT	5700	979	325	242	257	1010	7980	18550	17030	16030	17960	6930
MAX	134	32	7.0	6.0	7.3	54	249	365	311	292	326	280
MIN	32	3.7	3.7	3.7	3.1	4.0	33	262	217	224	247	29

CAL YR 1995 TOTAL 41202.9 MEAN 113 MAX 337 MIN 3.1 AC-FT 81730  
WTR YR 1996 TOTAL 46883.4 MEAN 128 MAX 365 MIN 3.1 AC-FT 92990

MAX DISCH 385 CFS AT 1000 20-MAY-1996 GH 3.19 FT. SHIFT 0.08 FT. MAX GH 3.19 FT. AT 1000 20-MAY-1996

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



SAN JUAN RIVER BASIN

LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES, CO

LOCATION.--Lat 37°30'24", long 108°35'28", in NW¼SW¼ sec. 35, T.38 N., R.16 W., NMPM, Montezuma County.

DRAINAGE AREA.--N/A

GAGE.--Satellite telemetry at a 12 foot Parshall flume.

REMARKS.--Records good. Station maintained by the Dolores Conservancy District and records developed by Scott D. Brinton.

RATING TABLE.--MVIDIVCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

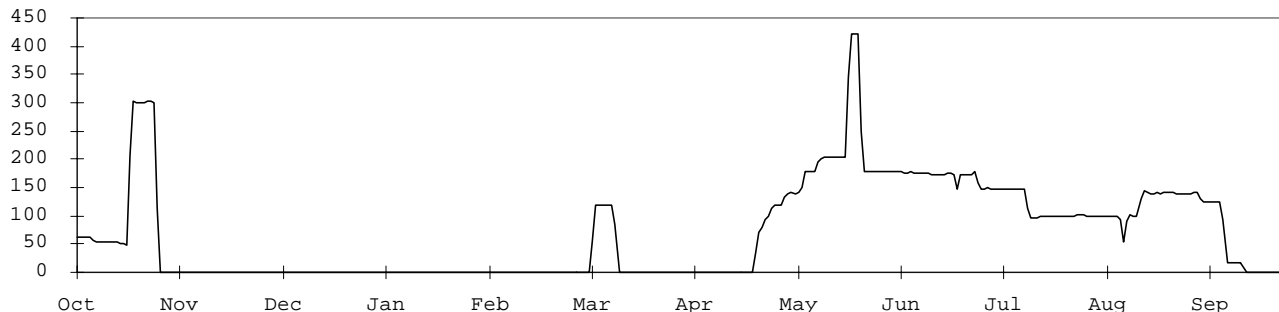
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	0.0	0.0	0.0	0.0	0.0	0.0	133	178	149	100	141
2	62	0.0	0.0	0.0	0.0	0.0	0.0	140	178	148	99	141
3	62	0.0	0.0	0.0	0.0	0.0	0.0	141	178	147	99	129
4	63	0.0	0.0	0.0	0.0	58	0.0	140	178	147	99	125
5	63	0.0	0.0	0.0	0.0	118	0.0	141	177	146	99	125
6	56	0.0	0.0	0.0	0.0	118	0.0	150	176	147	99	125
7	53	0.0	0.0	0.0	0.0	118	0.0	178	176	147	100	124
8	53	0.0	0.0	0.0	0.0	118	0.0	178	177	148	99	125
9	53	0.0	0.0	0.0	0.0	118	0.0	179	176	147	99	124
10	53	0.0	0.0	0.0	0.0	118	0.0	179	176	147	93	94
11	53	0.0	0.0	0.0	0.0	85	0.0	194	175	146	55	18
12	53	0.0	0.0	0.0	0.0	0.0	0.0	202	175	146	90	17
13	53	0.0	0.0	0.0	0.0	0.0	0.0	203	175	114	101	18
14	52	0.0	0.0	0.0	0.0	0.0	0.0	203	174	97	99	18
15	52	0.0	0.0	0.0	0.0	0.0	0.0	203	174	97	99	18
16	49	0.0	0.0	0.0	0.0	0.0	0.0	204	173	97	129	7.1
17	206	0.0	0.0	0.0	0.0	0.0	0.0	205	173	98	145	0.0
18	302	0.0	0.0	0.0	0.0	0.0	0.0	204	174	99	141	0.0
19	301	0.0	0.0	0.0	0.0	0.0	0.0	205	175	99	140	0.0
20	301	0.0	0.0	0.0	0.0	0.0	0.0	346	175	98	140	0.0
21	300	0.0	0.0	0.0	0.0	0.0	0.0	422	172	98	141	0.0
22	302	0.15	0.0	0.0	0.0	0.0	33	422	146	99	140	0.0
23	302	0.0	0.0	0.0	0.0	0.0	72	422	174	99	141	0.0
24	300	0.0	0.0	0.0	0.0	0.0	78	250	174	98	141	0.0
25	112	0.0	0.0	0.0	0.0	0.0	92	179	174	98	141	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	99	179	174	99	141	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	112	179	178	100	140	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	120	179	158	101	140	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	120	178	148	101	140	0.0
30	0.0	0.0	0.0	0.0	---	0.0	120	178	148	101	139	0.0
31	0.0	---	0.0	0.0	---	0.0	---	178	---	100	140	---
TOTAL	3319	0.15	0.0	0.0	0.0	851	846	6494	5159	3658	3669	1349.1
MEAN	107	0.00	0.0	0.0	0.0	27.5	28.2	209	172	118	118	45.0
AC-FT	6580	0.29	0.0	0.0	0.0	1690	1680	12880	10230	7260	7280	2680
MAX	302	0.15	0.0	0.0	0.0	118	120	422	178	149	145	141
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133	146	97	55	0.0

CAL YR 1995 TOTAL 23688.95 MEAN 64.9 MAX 420 MIN 0.00 AC-FT 46990  
WTR YR 1996 TOTAL 25345.25 MEAN 69.2 MAX 422 MIN 0.00 AC-FT 50270

MAX DISCH 428 CFS AT 1030 21-MAY-1996 GH 3.94 FT. SHIFT 0.05 FT. MAX GH 3.94 FT. AT 1030 21-MAY-1996

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



## DOLORES RIVER BASIN

DOLORES RIVER BELOW MCPHEE RESERVOIR NEAR DOLORES, CO

**LOCATION.**--Lat 37°34'33", long 108°34'33", in SE¼SE¼ sec. 2, T.38 N., R.16 W., NMPM, Montezuma County.

**DRAINAGE AREA.**--550 mi<sup>2</sup>.

**GAGE.**--Satellite telemetry and 15 foot Parshall flume with wing walls. Datum of gauge is 6,630 ft above National Geodetic Vertical Datum of 1929, from topographic map.

**REMARKS.**--Record is complete and reliable. Records good. Diversions for irrigation of up to 47,000 acres upstream of gage in the Dolores River basin and diversions for irrigation of up to 4700 acres in the San Juan River Basin. Flow regulated by McPhee Reservoir, capacity 381,000 acre-feet. Station maintained and records developed by Scott D. Brinton.

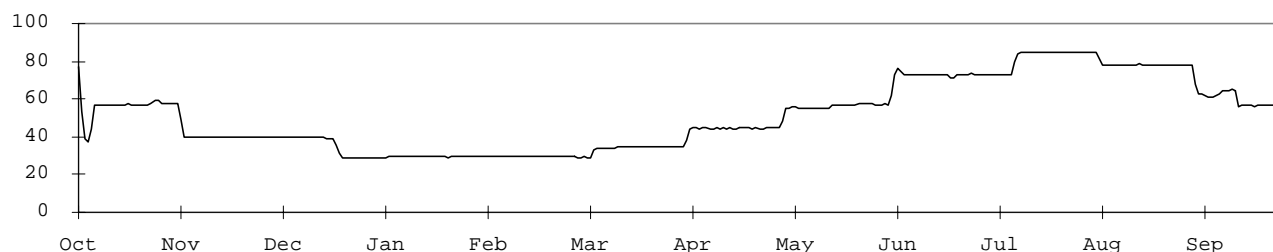
**RATING TABLE.**--DOLBMCCO03 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	49	40	29	30	29	35	48	58	73	85	78
2	53	40	40	29	30	30	38	55	57	73	85	78
3	39	40	40	30	30	29	44	55	62	73	85	68
4	37	40	40	30	30	29	45	56	73	73	85	63
5	44	40	40	30	30	33	45	56	76	73	81	63
6	57	40	40	30	30	34	44	55	75	73	78	62
7	57	40	40	30	30	34	45	55	73	73	78	61
8	57	40	40	30	30	34	45	55	73	73	78	61
9	57	40	40	30	30	34	44	55	73	73	78	62
10	57	40	40	30	30	34	44	55	73	80	78	63
11	57	40	40	30	30	34	45	55	73	84	78	64
12	57	40	40	30	30	35	44	55	73	85	78	64
13	57	40	40	30	30	35	45	55	73	85	78	64
14	57	40	40	30	30	35	44	55	73	85	78	65
15	57	40	39	30	30	35	45	55	73	85	78	64
16	58	40	39	30	30	35	44	57	73	85	78	56
17	57	40	39	30	30	35	44	57	73	85	79	57
18	57	40	36	30	30	35	45	57	73	85	78	57
19	57	40	31	30	30	35	45	57	73	85	78	57
20	57	40	29	30	30	35	45	57	73	85	78	57
21	57	40	29	29	30	35	45	57	71	85	78	56
22	57	40	29	30	30	35	44	57	71	85	78	57
23	58	40	29	30	30	35	45	57	73	85	78	57
24	59	40	29	30	30	35	44	58	73	85	78	57
25	59	40	29	30	30	35	44	58	73	85	78	57
26	58	40	29	30	30	35	45	58	73	85	78	57
27	58	40	29	30	30	35	45	58	74	85	78	57
28	58	40	29	30	30	35	45	58	73	85	78	57
29	58	40	29	30	29	35	45	57	73	85	78	57
30	58	40	29	30	---	35	45	57	73	85	78	46
31	58	---	29	30	---	35	---	57	---	85	78	---
TOTAL	1744	1209	1092	927	869	1054	1322	1737	2150	2521	2450	1822
MEAN	56.3	40.3	35.2	29.9	30.0	34.0	44.1	56.0	71.7	81.3	79.0	60.7
AC-FT	3460	2400	2170	1840	1720	2090	2620	3450	4260	5000	4860	3610
MAX	77	49	40	30	30	35	45	58	76	85	85	78
MIN	37	40	29	29	29	29	35	48	57	73	78	46
CAL YR 1995 TOTAL		163367	MEAN	448	MAX	3140	MIN	28	AC-FT	324000		
WTR YR 1996 TOTAL		18897	MEAN	51.6	MAX	85	MIN	29	AC-FT	37480		

MAX DISCH 98 CFS AT 1100 04-JUN-1996 GH 1.38 FT. SHIFT 0.01 FT. MAX GH 1.38 FT. AT 1100 04-JUN-1996

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



SAN JUAN RIVER BASIN

BLANCO DIVERSION NEAR PAGOSA SPRINGS, CO

LOCATION.--Lat 37°12'13", long 106°48'35", in NW¼NE¼ sec. 11, T.34 N., R.1 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter and well at a 12 foot Parshall flume.

REMARKS.--Record good. Station maintained by the U.S.B.R. and records developed by Scott D. Brinton.

RATING TABLE.--BLADIVCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

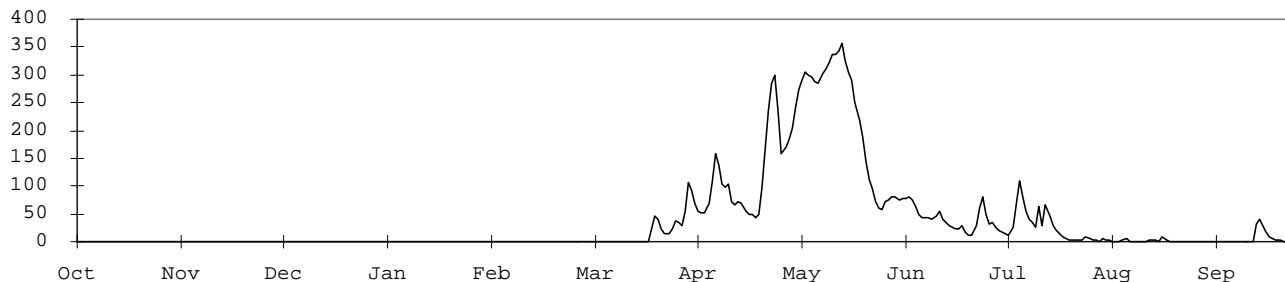
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	107	183	80	34	2.7	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	93	204	81	25	1.2	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	68	242	75	20	5.8	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	55	274	78	16	3.6	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	53	292	78	14	1.9	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	53	304	82	12	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	68	299	74	26	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	110	295	63	70	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	158	287	50	109	4.2	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	138	286	42	81	4.4	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	103	303	43	56	0.99	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	98	312	42	40	0.19	0.16
13	0.0	0.0	0.0	0.0	0.0	0.0	103	323	39	34	0.0	0.72
14	0.0	0.0	0.0	0.0	0.0	0.0	71	337	46	25	0.0	0.90
15	0.0	0.0	0.0	0.0	0.0	0.0	67	336	54	64	0.17	1.3
16	0.0	0.0	0.0	0.0	0.0	0.0	73	342	39	28	1.2	1.2
17	0.0	0.0	0.0	0.0	0.0	0.0	70	356	34	65	2.8	1.2
18	0.0	0.0	0.0	0.0	0.0	0.0	54	326	30	45	3.4	31
19	0.0	0.0	0.0	0.0	0.0	0.0	49	304	26	30	1.5	40
20	0.0	0.0	0.0	0.0	0.0	0.22	49	291	22	19	0.0	28
21	0.0	0.0	0.0	0.0	0.0	23	42	250	22	14	7.8	18
22	0.0	0.0	0.0	0.0	0.0	46	48	219	30	9.6	4.1	7.7
23	0.0	0.0	0.0	0.0	0.0	39	98	188	18	4.7	0.44	4.8
24	0.0	0.0	0.0	0.0	0.0	24	166	144	12	3.4	1.3	3.2
25	0.0	0.0	0.0	0.0	0.0	15	235	112	11	3.0	0.86	2.0
26	0.0	0.0	0.0	0.0	0.0	15	284	94	30	3.4	0.06	1.1
27	0.0	0.0	0.0	0.0	0.0	24	298	73	60	3.8	0.44	0.0
28	0.0	0.0	0.0	0.0	0.0	36	235	60	82	3.4	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	34	157	57	49	8.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	30	170	72	32	6.3	0.0	0.0
31	0.0	---	0.0	0.0	---	56	---	75	---	3.7	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	342.22	3373	7240	1424	876.3	49.06	141.28
MEAN	0.0	0.0	0.0	0.0	0.0	11.0	112	234	47.5	28.3	1.58	4.71
AC-FT	0.0	0.0	0.0	0.0	0.0	679	6690	14360	2820	1740	97	280
MAX	0.0	0.0	0.0	0.0	0.0	56	298	356	82	109	7.8	40
MIN	0.0	0.0	0.0	0.0	0.0	0.0	42	57	11	3.0	0.0	0.0

CAL YR 1995 TOTAL 17636.28 MEAN 48.3 MAX 500 MIN 0.00 AC-FT 34980  
WTR YR 1996 TOTAL 13445.85 MEAN 36.7 MAX 356 MIN 0.00 AC-FT 26670

MAX DISCH 447 CFS AT 2045 16-MAY-1996 GH 4.10 FT. SHIFT 0.00 FT. MAX GH 4.10 FT. AT 2045 16-MAY-1996

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





SAN JUAN RIVER BASIN

09343300 RIO BLANCO BELOW BLANCO DIVERSION DAM, NEAR PAGOSA SPRINGS, CO

**LOCATION.**--Lat 37°12'13", long 106°48'42", in NW¼ sec. 11, T.34 N., R.1 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on left bank 250 ft downstream from Blanco Diversion Dam, 1.1 mi downstream from Leche Creek, and 12 mi southeast of Pagosa Springs.

**DRAINAGE AREA.**--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: Stage-discharge relationship affected by ice Dec. 3, 5, 9-12, 15-16, 18, 20-21, 24 and 30, 1995; Jan. 8, 16; Feb. 2-4, 10-11, 14-16, 24, 28; Mar. 1-3, 7-9, 1996. Record good except for the estimated winter period, which was poor and from Oct. 1, 1995-Dec. 7, 1995 which was poor due to the highly unstable approach conditions at the flume. Station maintained and record developed by Scott D. Brinton.

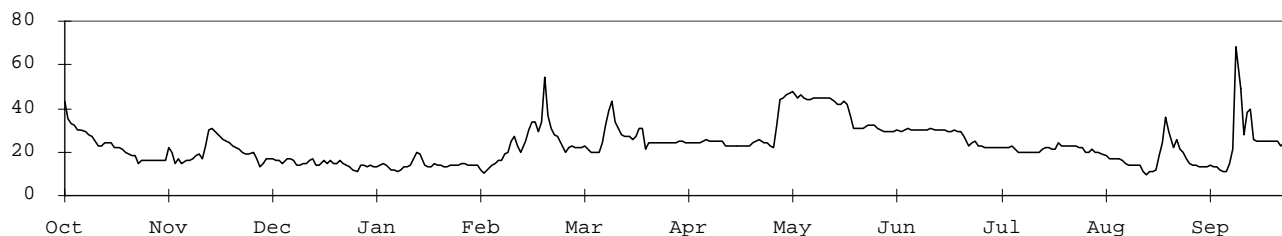
**RATING TABLE.**--RIOBLACO05 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	22	17	13	14	22	25	44	29	22	20	14
2	35	20	17	13	12	22	25	45	29	22	21	14
3	33	15	16	14	10	22	24	46	29	22	20	13
4	32	17	16	15	12	23	24	47	29	22	20	13
5	30	15	15	14	14	21	24	48	30	22	19	13
6	30	16	17	12	15	20	24	45	29	22	18	14
7	29	16	17	12	16	20	24	46	30	22	17	13
8	28	17	16	11	16	20	25	45	31	22	17	13
9	27	18	14	12	19	24	26	44	30	23	17	12
10	25	19	14	13	20	32	25	44	30	21	17	11
11	23	17	15	13	25	39	25	45	30	20	16	11
12	23	23	15	14	27	43	25	45	30	20	15	15
13	24	30	16	17	23	34	25	45	30	20	14	21
14	24	31	17	20	20	31	25	45	30	20	14	68
15	24	29	14	19	25	28	23	45	31	20	14	49
16	22	27	14	14	30	27	23	45	30	20	14	28
17	22	26	16	13	34	27	23	43	30	20	11	38
18	21	25	15	13	34	26	23	42	30	21	9.7	40
19	20	24	16	15	29	27	23	42	30	22	11	26
20	19	23	15	14	34	31	23	43	29	22	11	25
21	18	22	15	14	54	31	23	42	29	21	12	25
22	18	21	16	13	37	21	23	37	30	21	18	25
23	15	20	15	13	31	24	24	31	29	24	24	25
24	16	19	14	14	28	24	25	31	29	23	36	25
25	16	19	13	14	27	24	26	31	27	23	29	25
26	16	20	12	14	23	24	24	31	23	23	22	25
27	16	17	11	15	20	24	24	32	24	23	26	23
28	16	13	14	15	22	24	23	32	25	23	21	24
29	16	15	14	14	23	24	22	32	23	22	20	22
30	16	17	13	14	---	24	32	31	23	22	17	22
31	16	---	14	14	---	24	---	30	---	20	15	---
TOTAL	713	613	463	435	694	807	730	1254	858	670	555.7	692
MEAN	23.0	20.4	14.9	14.0	23.9	26.0	24.3	40.5	28.6	21.6	17.9	23.1
AC-FT	1410	1220	918	863	1380	1600	1450	2490	1700	1330	1100	1370
MAX	43	31	17	20	54	43	32	48	31	24	36	68
MIN	15	13	11	11	10	20	22	30	23	20	9.7	11
CAL YR 1995 TOTAL		35662	MEAN	97.7	MAX	808	MIN	11	AC-FT	70740		
WTR YR 1996 TOTAL		8484.7	MEAN	23.2	MAX	68	MIN	9.7	AC-FT	16830		

MAX DISCH 181 CFS AT 1845 14-SEP-1996 GH 3.28 FT. SHIFT 0.06 FT. MAX GH 3.50 FT. AT 1215 10-FEB-1996

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



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 29 and 30; Dec. 1-6, 10-14, 17 and 21-31, 1995; Jan. 1-6; Feb. 10-24 and 28-29; Mar. 1-4, 1995. Oct. 3-31, 1995; Mar. 11-17; Aug. 29-31; Sep. 1-5, 1996 when the clock was stopped. Jan. 7-31; Feb. 1-9 and 25-27, and Mar. 8, 1996 when the float was frozen in ice. Record fair except for the winter period and period of no gage height record, which is poor. Flows controlled by diversion dam upstream. Diversions are through the Blanco Diversion Tunnel into the Azotea Tunnel, as part of the U.S.B.R. San Juan-Chama project. Station maintained by Val Valentine and records developed by David A. Nelson and Scott D. Brinton

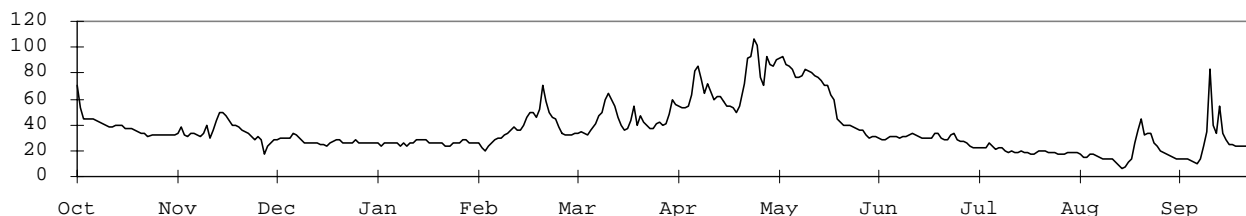
RATING TABLE.--RIOMOUCO03 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	34	28	26	26	32	48	93	32	27	17	18
2	53	38	28	26	26	32	60	86	30	26	18	17
3	45	32	30	24	22	34	56	85	31	24	19	16
4	44	31	30	26	20	34	55	90	31	22	19	15
5	44	33	30	26	24	35	53	92	30	22	18	14
6	44	33	30	26	26	33	53	93	29	22	17	14
7	43	32	34	26	28	32	55	86	28	22	15	14
8	42	31	32	26	30	36	63	85	31	22	15	13
9	41	33	29	24	30	41	82	83	31	26	17	12
10	40	40	26	26	32	47	85	77	31	23	17	11
11	38	30	26	24	34	50	76	77	30	21	16	10
12	38	36	26	26	36	60	64	78	31	22	15	14
13	39	43	26	26	38	64	72	83	31	22	14	23
14	39	50	26	28	36	60	65	82	32	20	13	35
15	39	49	25	28	36	54	60	80	34	18	14	83
16	37	47	25	28	40	46	62	78	32	20	14	39
17	37	43	24	28	46	40	62	77	31	19	11	33
18	37	40	26	26	50	36	58	74	30	19	8.7	55
19	36	39	27	26	50	37	54	70	30	20	6.0	34
20	35	38	29	26	46	43	54	70	30	19	7.5	29
21	34	36	28	26	52	55	53	63	30	18	11	25
22	34	35	26	26	70	39	49	60	34	17	14	25
23	31	34	26	24	58	47	54	44	33	17	26	24
24	32	31	26	24	50	42	72	42	30	20	36	24
25	32	28	26	26	46	39	92	40	29	20	44	23
26	32	31	28	26	44	37	93	39	28	20	32	23
27	32	29	26	26	38	37	106	39	32	19	33	23
28	32	17	26	28	34	41	102	38	34	19	33	22
29	32	24	26	28	32	42	77	37	28	19	26	22
30	32	26	26	26	---	40	70	36	27	17	24	21
31	32	---	26	26	---	41	---	36	---	17	20	---
TOTAL	1196	1043	847	808	1100	1306	2005	2113	920	639	590.2	731
MEAN	38.6	34.8	27.3	26.1	37.9	42.1	66.8	68.2	30.7	20.6	19.0	24.4
AC-FT	2370	2070	1680	1600	2180	2590	3980	4190	1820	1270	1170	1450
MAX	70	50	34	28	70	64	106	93	34	27	44	83
MIN	31	17	24	24	20	32	48	36	27	17	6.0	10
CAL YR 1995 TOTAL		64308	MEAN	176	MAX	1570	MIN	17	AC-FT	127600		
WTR YR 1996 TOTAL		13298.2	MEAN	36.3	MAX	106	MIN	6.0	AC-FT	26380		

MAX DISCH 142 CFS AT 0130 15-SEP-1996 GH 2.30 FT. SHIFT 0.00 FT. MAX GH 3.07 FT. AT 1430 16-FEB-1996

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



SAN JUAN RIVER BASIN

09344000 NAVAJO RIVER AT BANDED PEAK RANCH, NEAR CHROMO, CO

**LOCATION.**--Lat 37°05'07", long 106°41'20", in SE¼NW¼ sec. 24, T.33 N., R.2 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on left bank at downstream side of private bridge on Banded Peak Ranch, 0.5 mi downstream from Cutthroat Creek, 2.8 mi downstream from East Fork of the Navajo River, and 11.2 mi northeast of Chromo, Co.

**DRAINAGE AREA.**--69.8 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 affected by ice Nov. 28; Dec. 9 and 16, 1995; Feb. 24 and 27; March 8 and 18, 1996. Dec. 18, 1995 to Feb. 23, 1996, when float was frozen in ice in well. Record fair except for the winter period and period of no gage-height record which is poor. Diversions for irrigation of about 450 acres upstream from station. Station maintained and records developed by David A. Nelson and Scott D. Brinton.

**RATING TABLE.**--NAVBANCO23 USED FROM 01-OCT-1995 TO 30-SEP-1996

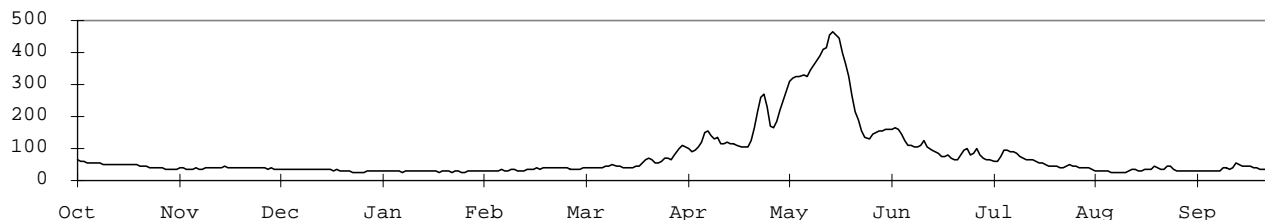
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	41	37	30	32	36	102	185	155	98	41	31
2	60	40	37	30	30	37	110	219	155	80	41	31
3	58	36	37	30	28	38	103	250	161	72	42	30
4	57	37	37	30	28	40	99	281	160	67	42	30
5	55	37	37	32	30	40	92	309	162	63	35	30
6	53	38	37	30	32	39	93	322	164	62	30	31
7	53	37	37	28	34	38	104	327	158	62	28	30
8	53	37	37	26	32	38	122	324	147	77	28	29
9	52	38	34	30	32	40	149	330	127	96	29	29
10	52	42	36	32	34	43	156	326	112	94	28	29
11	51	38	36	32	34	47	138	343	108	92	27	29
12	51	41	36	30	32	48	132	360	106	89	27	30
13	51	41	36	28	32	45	135	374	105	84	27	30
14	51	42	36	28	32	43	117	388	111	74	26	41
15	50	43	36	30	34	42	115	408	124	71	27	42
16	49	42	34	30	36	42	118	413	104	66	30	34
17	49	41	34	28	36	42	116	457	94	67	33	40
18	49	41	32	28	38	40	113	467	88	65	33	54
19	49	41	34	26	36	44	111	457	83	60	31	52
20	46	40	32	28	38	46	107	444	76	56	31	47
21	45	40	30	30	38	54	103	402	76	54	36	43
22	44	40	30	28	38	67	105	363	80	48	37	43
23	41	40	28	26	38	72	125	325	72	45	36	40
24	42	39	24	28	40	64	163	264	65	44	46	38
25	42	39	26	28	41	56	214	216	66	44	41	35
26	39	39	26	26	39	55	258	189	80	42	36	36
27	38	38	26	24	40	60	272	155	94	42	37	35
28	36	36	28	28	37	71	231	134	98	47	47	35
29	37	38	28	28	36	69	171	131	80	48	44	35
30	37	37	30	30	---	67	164	147	87	46	36	34
31	37	---	30	30	---	81	---	152	---	43	32	---
TOTAL	1492	1179	1018	892	1007	1544	4138	9462	3298	1998	1064	1073
MEAN	48.1	39.3	32.8	28.8	34.7	49.8	138	305	110	64.5	34.3	35.8
AC-FT	2960	2340	2020	1770	2000	3060	8210	18770	6540	3960	2110	2130
MAX	65	43	37	32	41	81	272	467	164	98	47	54
MIN	36	36	24	24	28	36	92	131	65	42	26	29

CAL YR 1995 TOTAL 60181 MEAN 165 MAX 1010 MIN 24 AC-FT 119400  
WTR YR 1996 TOTAL 28165 MEAN 77.0 MAX 467 MIN 24 AC-FT 55870

MAX DISCH 551 CFS AT 2030 17-MAY-1996 GH 3.39 FT. SHIFT 0.00 FT. MAX GH 3.39 FT. AT 2030 17-MAY-1996

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



SAN JUAN RIVER BASIN  
OSO DIVERSION NEAR CHROMO, CO

LOCATION.--Lat 37°01'49", long 106°44'14", in NE¼NE¼ sec. 9, T.32 N., R.2 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter at a 15 foot Parshall flume.

REMARKS.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 21, 23-28, 1995; Jan. 2-3, 6-9, 11-14, 18-29; Feb. 2-5, 8-9, 1996. Record good except for the ice affected period, which is poor. Station maintained and record developed by Scott Brinton.

RATING TABLE.--OSODIVCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

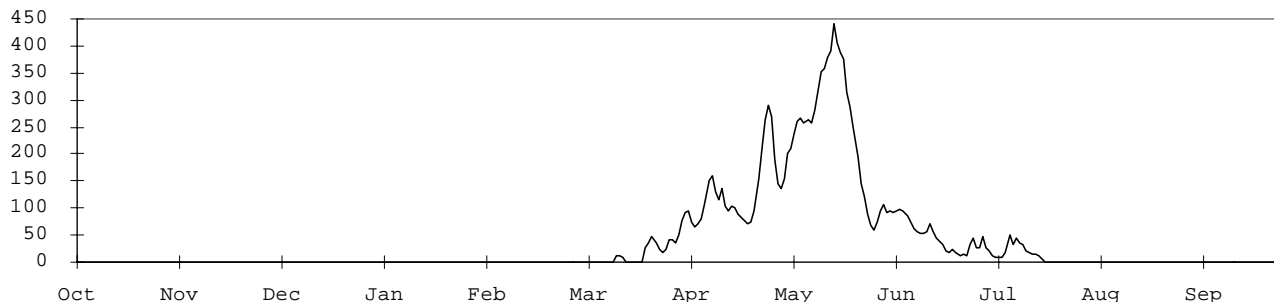
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

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	76	135	107	48	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	91	154	93	27	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	96	200	96	20	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	75	211	93	13	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	66	237	96	9.3	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	70	261	98	7.9	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	81	265	95	7.5	0.0	0.0
8	0.0	0.0	0.05	0.0	0.0	0.0	106	258	86	17	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	150	264	73	49	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	161	257	63	33	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	130	282	56	44	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	13	116	316	54	36	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	13	136	352	52	33	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	8.6	105	357	55	21	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	1.0	94	379	72	18	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	1.0	103	391	55	15	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	1.0	102	440	44	14	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	1.0	90	405	38	11	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	1.0	83	388	33	5.2	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	1.0	78	376	22	1.1	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	28	71	314	19	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.27	36	73	288	23	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.32	47	94	249	18	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	35	155	196	13	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	23	211	145	15	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	18	263	122	11	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	23	290	89	34	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	41	268	68	43	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	42	189	58	27	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	37	144	75	26	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	49	---	95	---	0.0	0.0	---
TOTAL	0.0	0.0	0.05	0.0	0.59	419.6	3767	7627	1610	430.0	0.0	0.0
MEAN	0.0	0.0	0.00	0.0	0.02	13.5	126	246	53.7	13.9	0.0	0.0
AC-FT	0.0	0.0	0.11	0.0	1.2	832	7470	15130	3190	853	0.0	0.0
MAX	0.0	0.0	0.05	0.0	0.32	49	290	440	107	49	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	66	58	11	0.0	0.0	0.0

CAL YR 1995 TOTAL 22609.01 MEAN 61.9 MAX 533 MIN 0.00 AC-FT 44840  
WTR YR 1996 TOTAL 13854.24 MEAN 37.9 MAX 440 MIN 0.00 AC-FT 27480

MAX DISCH 525 CFS AT 0145 17-MAY-1996 GH 3.97 FT. SHIFT 0.00 FT. MAX GH 3.97 FT. AT 0145 17-MAY-1996

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



## SAN JUAN RIVER BASIN

09344400 NAVAJO RIVER BELOW OSO DIVERSION DAM, NEAR CHROMO, CO

**LOCATION.**--Lat 37°01'49", long 106°44'14", in NE¼NW¼ sec. 9, T.32 N., R.2 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on left bank 600 ft downstream from Oso Diversion Dam, 5.8 mi east of Chromo, and 6.1 mi upstream from Little Navajo River.

**DRAINAGE AREA.**--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 affected by ice Dec. 21 and 23-28, 1995; Jan. 2, 3, 6-9, 11-14 and 18-29; Feb.2-5 and 8-9, 1996. Record good except for ice affected period, which is poor. Station maintained by U.S.B.R. Records developed by Scott D. Brinton.

**RATING TABLE.**--NAVOSOCO3 USED FROM 01-OCT-1995 TO 30-SEP-1996

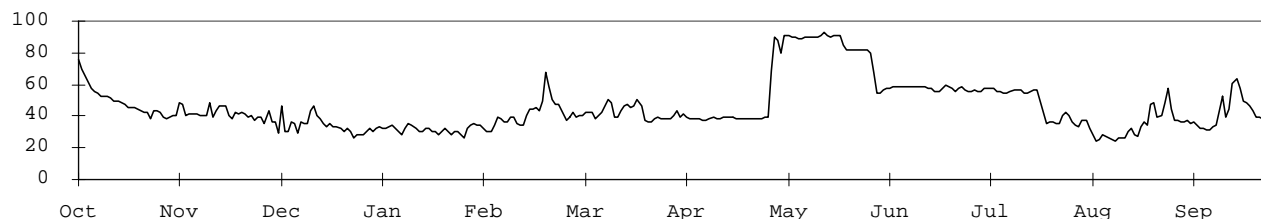
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	48	29	33	34	39	43	90	55	57	34	37
2	70	47	46	32	32	40	39	88	55	56	33	36
3	66	40	30	32	30	40	41	80	57	56	37	36
4	62	41	30	33	30	42	39	91	58	58	37	37
5	58	41	36	34	34	42	38	91	58	58	32	35
6	56	41	35	32	39	42	38	90	59	58	28	36
7	55	40	29	30	38	38	38	90	59	58	24	34
8	53	40	36	28	36	40	38	89	59	56	25	32
9	53	40	35	32	36	42	37	89	59	56	28	32
10	53	48	35	35	39	46	37	90	59	55	27	31
11	52	39	43	34	39	51	38	90	59	55	26	31
12	50	43	46	32	35	48	39	90	59	56	25	33
13	50	46	40	30	34	39	38	90	59	57	24	34
14	48	46	38	30	34	39	38	90	59	57	26	43
15	47	46	35	32	40	43	39	91	59	57	26	53
16	45	40	33	32	44	46	39	93	59	55	26	39
17	45	38	35	30	44	47	39	91	58	55	30	44
18	45	42	33	30	45	45	39	90	58	56	32	61
19	44	41	33	28	43	46	38	91	56	57	28	64
20	43	42	32	30	49	51	38	91	56	57	27	58
21	42	41	30	32	68	46	38	91	58	50	33	49
22	42	39	32	30	59	37	38	85	60	42	36	48
23	38	40	30	28	51	36	38	82	59	35	34	46
24	43	37	26	30	47	36	38	82	58	36	47	43
25	43	39	28	30	47	38	38	82	56	36	48	39
26	42	39	28	28	43	39	38	82	58	35	39	39
27	39	35	28	26	37	38	38	82	59	35	40	38
28	38	43	30	32	39	38	39	82	57	40	48	37
29	39	36	32	34	42	38	39	82	56	42	58	37
30	40	36	30	35	---	38	69	80	56	40	44	27
31	40	---	32	34	---	40	---	68	---	36	37	---
TOTAL	1517	1234	1035	968	1188	1290	1186	2693	1737	1557	1039	1209
MEAN	48.9	41.1	33.4	31.2	41.0	41.6	39.5	86.9	57.9	50.2	33.5	40.3
AC-FT	3010	2450	2050	1920	2360	2560	2350	5340	3450	3090	2060	2400
MAX	76	48	46	35	68	51	69	93	60	58	58	64
MIN	38	35	26	26	30	36	37	68	55	35	24	27

CAL YR 1995 TOTAL 48078 MEAN 132 MAX 918 MIN 26 AC-FT 95360  
WTR YR 1996 TOTAL 16653 MEAN 45.5 MAX 93 MIN 24 AC-FT 33030

MAX DISCH 150 CFS AT 2330 17-MAY-1996 GH 2.66 FT. SHIFT -0.06 FT. MAX GH 2.66 FT. AT 2330 17-MAY-1996

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



SAN JUAN RIVER BASIN

LITTLE OSO DIVERSION NEAR CHROMO, CO

LOCATION.--Lat 37°04'38", long 106°48'38", in SW¼SE¼ sec. 23, T.33 N., R.1 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter and well at a 6 foot Parshall flume.

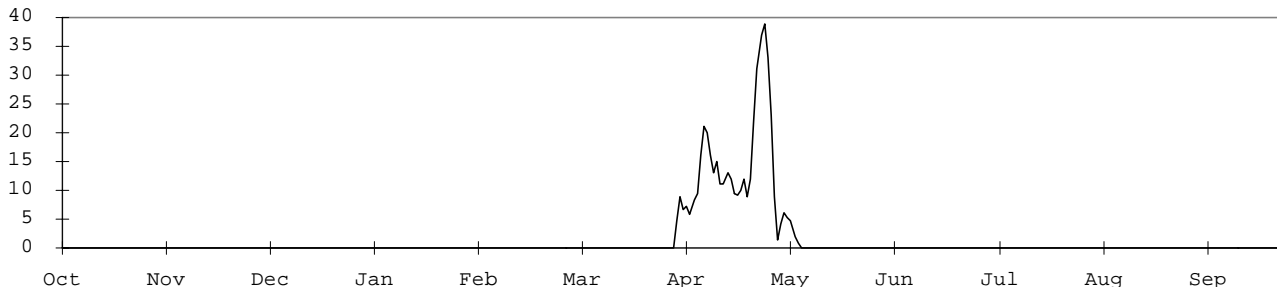
REMARKS.--Record good. Station maintained by the U.S.B.R. and records developed by Scott D. Brinton.

RATING TABLE.--LOSODVCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
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	4.6	1.5	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	8.9	4.1	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	6.8	6.2	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	7.2	5.3	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	5.7	4.6	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	8.3	2.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.79	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.06	0.0	0.0	21	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	31	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	37	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	39	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	8.9	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	0.06	0.0	0.0	454.4	24.49	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.00	0.0	0.0	15.1	0.79	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.13	0.0	0.0	901	49	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.06	0.0	0.0	39	6.2	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0

CAL YR 1995 TOTAL 2633.00 MEAN 7.21 MAX 73 MIN 0.00 AC-FT 5220  
 WTR YR 1996 TOTAL 478.96 MEAN 1.31 MAX 39 MIN 0.00 AC-FT 950  
 MAX DISCH 49 CFS AT 1930 27-APR-1996 GH 1.57 FT. SHIFT 0.00 FT. MAX GH 1.57 FT. AT 1930 27-APR-1996  
 FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.



## SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 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.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 23, 1995, 1995. Float frozen in ice in well Dec. 24, 1995 to April 1, 1996. Recorder malfunctioned Nov. 20 to Dec. 22, 1995. Records good except for winter period and period of no gage-height record which is poor. Diversions for irrigation of up to 80 acres upstream of gage. Station maintained and records developed by David A. Nelson, Frank J. Kugel and Scott D. Brinton.

RATING TABLE.--FLOALECO04 USED FROM 01-OCT-1995 TO 30-SEP-1996

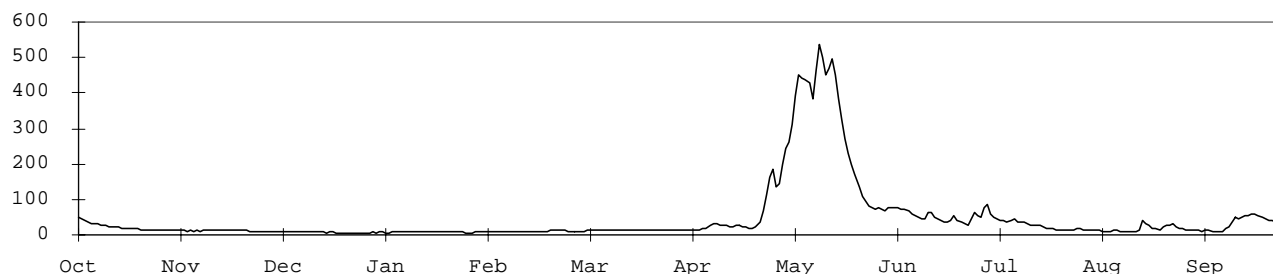
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	13	9.2	7.0	9.0	11	12	198	69	78	13	13
2	45	13	8.4	6.0	9.0	11	12	244	75	85	13	13
3	41	10	8.0	6.0	8.0	12	13	262	78	58	13	13
4	38	12	8.3	7.0	7.0	12	14	310	78	49	13	12
5	33	11	7.6	8.0	8.0	13	14	393	76	45	12	11
6	31	12	7.7	8.0	8.0	13	15	451	74	42	11	12
7	30	11	7.4	8.0	9.0	13	16	440	70	39	10	12
8	27	12	7.0	8.0	9.0	12	19	436	66	36	10	11
9	26	12	7.0	9.0	9.0	12	25	427	60	40	13	10
10	24	12	7.1	9.0	9.0	13	30	382	52	46	12	10
11	23	12	7.0	9.0	10	13	31	466	50	38	10	10
12	22	13	7.2	9.0	10	13	29	537	47	35	9.7	17
13	21	13	7.2	9.0	10	13	28	501	47	34	9.4	23
14	20	12	7.0	9.0	10	12	25	450	65	31	9.0	35
15	19	12	6.4	9.0	10	12	24	468	61	29	10	50
16	18	12	6.9	9.0	10	12	24	494	51	26	10	46
17	18	12	7.4	10	10	12	25	451	45	27	15	50
18	17	12	6.6	9.0	10	12	25	383	40	25	40	56
19	16	12	6.4	8.0	11	12	22	323	37	24	30	52
20	15	12	6.0	7.0	11	13	21	272	34	20	25	57
21	15	12	6.0	7.0	12	14	20	229	41	18	20	57
22	15	11	6.0	7.0	13	14	18	199	54	16	18	55
23	12	11	6.0	7.0	12	13	21	171	40	15	12	50
24	14	9.9	6.0	7.0	12	12	36	134	34	14	22	45
25	13	10	6.0	7.0	12	12	69	110	31	14	26	41
26	13	11	6.0	6.0	11	12	113	94	29	13	29	39
27	13	7.3	6.0	5.0	11	12	164	83	44	12	30	34
28	13	7.6	6.0	6.0	10	12	187	78	62	12	23	32
29	13	9.9	7.0	7.0	11	12	136	71	53	18	19	29
30	12	9.6	6.0	8.0	---	12	143	77	49	17	16	28
31	12	---	7.0	9.0	---	12	---	71	---	14	14	---
TOTAL	680	339.3	213.8	240.0	291.0	383	1331	9205	1612	970	517.1	923
MEAN	21.9	11.3	6.90	7.74	10.0	12.4	44.4	297	53.7	31.3	16.7	30.8
AC-FT	1350	673	424	476	577	760	2640	18260	3200	1920	1030	1830
MAX	51	13	9.2	10	13	14	187	537	78	85	40	57
MIN	12	7.3	6.0	5.0	7.0	11	12	71	29	12	9.0	10

CAL YR 1995 TOTAL 40818.1 MEAN 112 MAX 897 MIN 6.0 AC-FT 80960  
WTR YR 1996 TOTAL 16705.2 MEAN 45.6 MAX 537 MIN 5.0 AC-FT 33130

MAX DISCH 682 CFS AT 2015 15-MAY-1996 GH 2.98 FT. SHIFT 0.09 FT. MAX GH 2.98 FT. AT 2015 15-MAY-1996

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



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 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.--Record is complete and reliable. Records good. Diversions for irrigation of up to 80 acres upstream of gage. Flow regulated by Lemon Reservoir, capacity 40,100 acre-feet. Station maintained and records developed by David A. Nelson, Frank J. Kugel and Scott D. Brinton.

RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1995 TO 30-SEP-1996

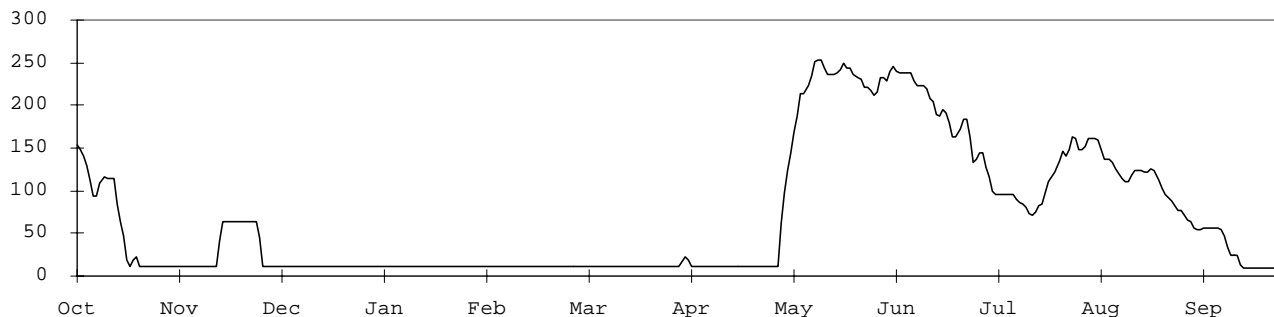
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	154	12	12	11	11	12	17	61	232	145	152	66
2	149	12	12	11	11	12	22	97	229	128	161	64
3	141	12	12	11	11	12	18	124	240	117	161	57
4	129	12	12	11	11	12	11	144	246	100	161	55
5	112	12	12	11	11	12	12	168	240	96	159	55
6	94	12	12	11	11	12	12	187	238	95	148	56
7	94	12	12	11	11	12	12	214	238	95	137	56
8	109	12	12	11	11	12	12	214	238	95	137	56
9	116	12	12	11	11	12	12	224	238	95	133	56
10	114	12	12	11	11	12	12	235	229	95	126	56
11	114	12	12	11	11	12	12	252	224	90	120	55
12	114	12	12	11	11	12	12	254	224	87	114	47
13	85	42	12	11	11	12	12	254	224	84	110	34
14	64	64	12	11	11	12	12	243	219	80	110	25
15	46	64	12	11	11	12	12	236	209	74	118	25
16	19	64	12	11	11	12	12	236	204	71	124	25
17	12	64	12	11	11	12	12	237	189	75	124	14
18	19	64	12	11	11	12	12	238	187	82	123	8.8
19	22	64	12	11	11	12	12	242	195	84	122	8.8
20	11	64	12	11	12	12	12	250	191	97	122	8.8
21	11	64	12	11	12	12	12	243	180	111	126	8.8
22	11	64	12	11	11	12	12	243	164	116	123	8.8
23	12	64	12	11	12	11	12	237	164	122	112	8.8
24	11	64	12	11	11	12	12	233	173	135	104	8.8
25	12	45	11	11	12	12	12	230	183	146	95	8.8
26	12	11	11	11	12	12	12	222	184	141	91	8.8
27	12	12	11	11	12	12	12	222	164	148	89	8.8
28	12	12	11	11	12	12	12	217	134	164	83	8.8
29	12	12	11	11	12	12	12	211	137	161	77	8.8
30	12	12	12	11	---	12	12	216	144	148	76	8.8
31	12	---	11	11	---	12	---	232	---	148	72	---
TOTAL	1847	994	366	341	327	371	380	6616	6061	3425	3710	916.4
MEAN	59.6	33.1	11.8	11.0	11.3	12.0	12.7	213	202	110	120	30.5
AC-FT	3660	1970	726	676	649	736	754	13120	12020	6790	7360	1820
MAX	154	64	12	11	12	12	22	254	246	164	161	66
MIN	11	11	11	11	11	11	11	61	134	71	72	8.8

CAL YR 1995 TOTAL 48657.5 MEAN 133 MAX 922 MIN 5.9 AC-FT 96510  
WTR YR 1996 TOTAL 25354.4 MEAN 69.3 MAX 254 MIN 8.8 AC-FT 50290

MAX DISCH 275 CFS AT 1600 11-MAY-1996 GH 3.36 FT. SHIFT -0.01 FT. MAX GH 3.36 FT. AT 1600 11-MAY-1996

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





## SAN JUAN RIVER BASIN

09357500 ANIMAS RIVER AT HOWARDSVILLE, CO

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., NMPM, San Juan County.

DRAINAGE AREA.--55.9 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.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 28; Dec. 10, 15, 16, 18-27 and 30, 1995; Jan. 2, 6, 8 and 11-21; Feb. 13, 16 and 23-28; March 1-3, 7-9, 14, 19, 20 and 27, 1996. 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-1995 TO 30-SEP-1996

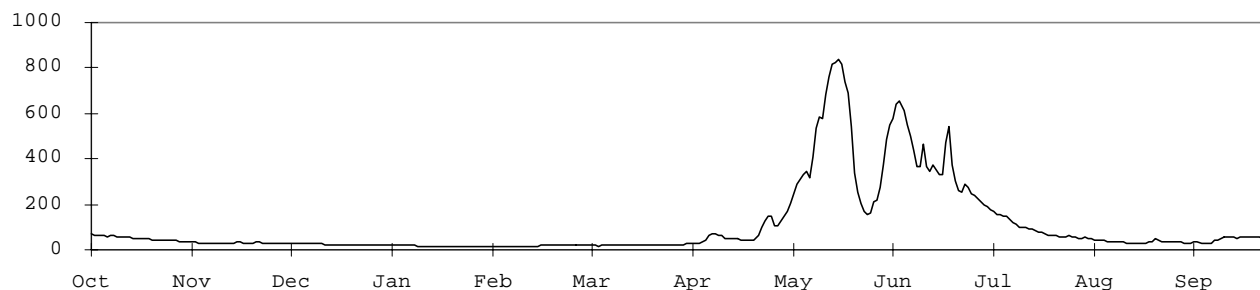
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	36	25	20	16	18	23	124	275	222	51	32
2	66	32	26	19	16	18	27	145	372	212	51	32
3	64	27	25	19	16	18	28	167	488	198	53	31
4	66	27	25	20	16	18	26	204	552	190	51	31
5	61	27	25	20	17	18	25	249	577	176	47	30
6	56	27	26	19	17	17	28	290	642	168	44	33
7	60	27	25	18	17	18	34	309	657	156	42	33
8	60	27	26	18	17	18	44	333	613	152	42	30
9	57	27	25	18	17	18	63	346	549	148	41	30
10	56	27	25	17	17	18	70	316	503	151	38	29
11	55	27	25	17	17	18	71	406	440	134	36	30
12	55	28	24	17	17	19	65	536	368	122	35	40
13	55	31	24	17	17	19	60	588	365	110	34	41
14	52	31	24	17	17	18	52	579	467	102	33	50
15	51	32	24	17	17	18	48	683	368	98	32	57
16	51	32	24	17	17	18	50	764	348	96	31	54
17	50	31	24	17	18	18	51	818	370	95	31	55
18	48	31	24	17	18	18	47	824	354	93	31	55
19	47	31	23	17	18	18	44	837	331	85	31	52
20	42	31	23	17	18	18	41	818	332	79	30	55
21	42	32	23	16	18	18	40	739	473	74	31	54
22	42	32	23	16	18	19	39	687	542	70	30	56
23	39	31	23	16	18	19	45	541	372	66	32	55
24	40	31	22	16	18	18	66	339	304	64	38	53
25	40	29	22	16	18	18	96	253	263	60	47	54
26	41	28	22	16	18	18	129	202	254	57	40	54
27	39	27	22	16	18	18	150	168	290	54	38	49
28	37	26	21	16	18	18	145	157	276	56	36	48
29	37	25	21	16	18	18	109	163	250	63	34	47
30	37	25	20	16	---	19	105	209	237	58	33	45
31	35	---	20	16	---	20	---	219	---	53	33	---
TOTAL	1554	875	731	534	502	564	1821	13013	12232	3462	1176	1315
MEAN	50.1	29.2	23.6	17.2	17.3	18.2	60.7	420	408	112	37.9	43.8
AC-FT	3080	1740	1450	1060	996	1120	3610	25810	24260	6870	2330	2610
MAX	73	36	26	20	18	20	150	837	657	222	53	57
MIN	35	25	20	16	16	17	23	124	237	53	30	29

CAL YR 1995 TOTAL	60133	MEAN	165	MAX	1150	MIN	16	AC-FT	119300
WTR YR 1996 TOTAL	37779	MEAN	103	MAX	837	MIN	16	AC-FT	74930

MAX DISCH 1090 CFS AT 2130 19-MAY-1996 GH 3.35 FT. SHIFT 0.03 FT. MAX GH 3.35 FT. AT 2130 19-MAY-1996

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



SAN JUAN RIVER BASIN

LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS, CO

LOCATION.--Lat 37°19'26", long 108°03'41", in SE¼NW¼ sec. 3, T.35 N., R.11 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a shelter and well at a 5 foot Parshall flume.

REMARKS.--Record good. Station maintained by J. Russell Kennedy and Matthew A. Schmitt. Records developed by Scott D. Brinton.

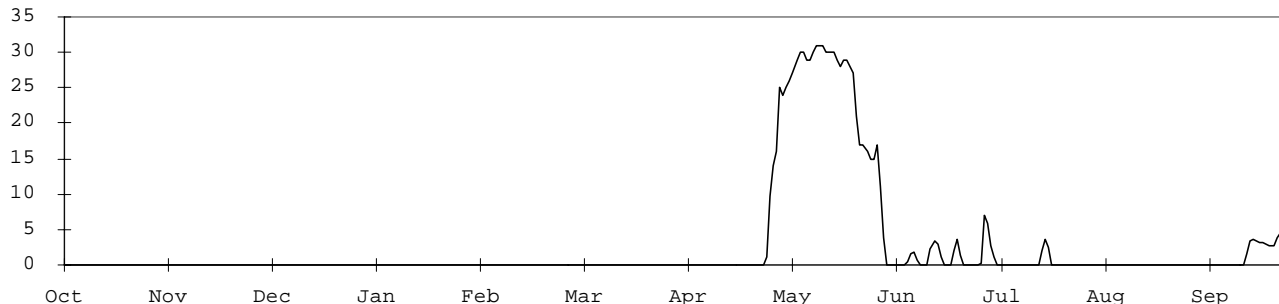
RATING TABLE.--LPCDITCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
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	25	3.8	7.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	0.0	5.8	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0	2.7	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	1.2	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.41	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	1.5	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	1.7	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.76	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	2.2	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	3.4	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	3.0	0.0	0.0	1.6
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	1.1	2.1	0.0	3.5
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	0.0	3.6	0.0	3.6
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	0.0	2.4	0.0	3.4
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	0.0	0.00	0.0	3.2
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	2.1	0.0	0.0	3.1
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	3.7	0.0	0.0	3.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	1.4	0.0	0.0	2.8
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0	2.7
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0	3.8
27	0.0	0.0	0.0	0.0	0.0	0.0	1.2	16	0.0	0.0	0.0	4.5
28	0.0	0.0	0.0	0.0	0.0	0.0	9.6	15	0.0	0.0	0.0	4.1
29	0.0	0.0	0.0	0.0	0.0	0.0	14	15	0.0	0.0	0.0	3.5
30	0.0	0.0	0.0	0.0	---	0.0	16	17	0.25	0.0	0.0	2.8
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	40.8	786	25.33	24.80	0.0	45.6
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	1.36	25.4	0.84	0.80	0.0	1.52
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	81	1560	50	49	0.0	90
MAX	0.0	0.0	0.0	0.0	0.0	0.0	16	31	3.8	7.0	0.0	4.5
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0	0.0
CAL YR 1995 TOTAL	1318.20		MEAN	3.61	MAX	32	MIN	0.00	AC-FT	2610		
WTR YR 1996 TOTAL	922.53		MEAN	2.52	MAX	31	MIN	0.00	AC-FT	1830		

MAX DISCH 33 CFS AT 0130 13-MAY-1996 GH 1.36 FT. SHIFT 0.00 FT. MAX GH 1.36 FT. AT 0130 13-MAY-1996

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



## SAN JUAN RIVER BASIN

## PINE RIDGE DITCH NEAR HESPERUS, CO

LOCATION.--Lat 37°17'31", long 108°02'07", in SW¼NE¼ sec. 14, T.35 N., R.11 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a shelter and well at a 3 foot Parshall flume.

REMARKS.--Record good. Station maintained by J. Russell Kennedy and Matthew A. Schmitt. Records developed by Scott D. Brinton.

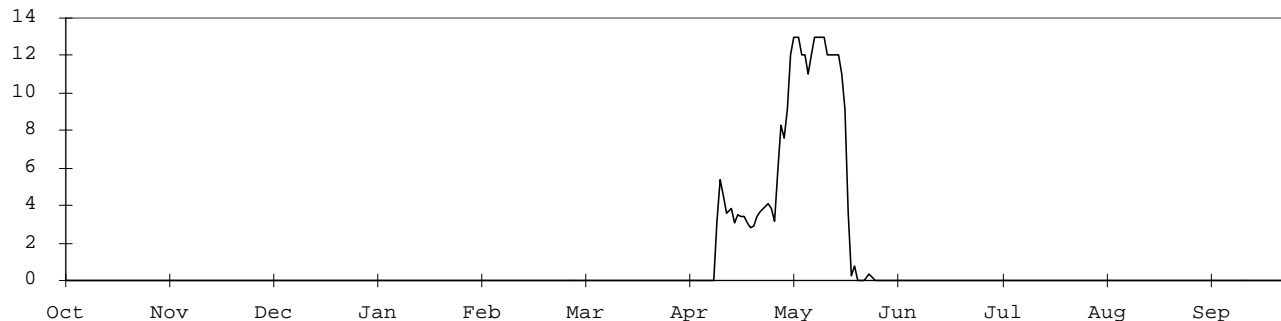
RATING TABLE.--PINDITCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
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	8.3	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	3.2	13	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	5.4	13	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	4.5	13	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	3.6	12	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	3.8	12	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	3.1	12	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	3.5	12	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	3.4	11	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	3.4	9.1	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.7	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.25	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.79	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.35	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.21	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	5.8	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	70.6	235.39	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	2.35	7.59	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	140	467	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	5.8	13	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 1995 TOTAL		846.80	MEAN	2.32	MAX	19	MIN	0.00	AC-FT	1680		
WTR YR 1996 TOTAL		305.99	MEAN	0.84	MAX	13	MIN	0.00	AC-FT	607		

MAX DISCH 15 CFS AT 0015 11-MAY-1996 GH 1.16 FT. SHIFT 0.00 FT. MAX GH 1.16 FT. AT 0015 11-MAY-1996

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



SAN JUAN RIVER BASIN

09365500 LA PLATA RIVER AT HESPERUS, CO

LOCATION.--Lat 37°17'23", long 108°02'24", in NE¼SW¼ sec. 14, T.35 N., R.11 W., NMPM La Plata County, Hydrologic Unit 14080105, on right bank at Hesperus 700 ft downstream from U.S. Highway 160.

DRAINAGE AREA.--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.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 28; Dec. 15, 19-22, 28-31, 1995; Jan. 1-9, 11-22, 25-28; Feb. 3-5, 7, 9, 23-29; Mar. 1-3, 6-9, 14, 8-19, 1996. Float frozen in ice in well Dec. 23-27, 1995. Station closed for reconstruction Oct. 16-31; Nov. 1, 21-22, 1995. Record good except for the winter period and the reconstruction period, which is poor. Station maintained and record developed by Scott Brinton.

RATING TABLE.--LAPHESCO32 USED FROM 01-OCT-1995 TO 30-SEP-1996

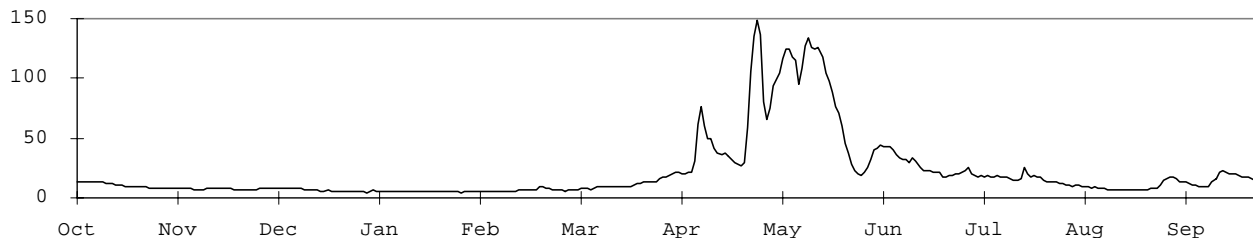
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	8.0	8.1	6.0	5.6	7.0	20	75	32	26	11	17
2	13	8.0	8.4	5.0	5.4	7.0	21	94	40	20	10	17
3	13	8.0	8.4	5.0	5.5	7.0	21	99	42	19	11	16
4	13	8.0	8.4	6.0	5.0	8.0	20	105	44	18	11	14
5	14	7.4	8.3	6.0	5.5	8.5	20	116	43	19	9.7	14
6	14	7.2	7.8	6.0	5.7	8.0	21	124	43	18	9.3	13
7	13	7.2	7.7	6.0	5.5	7.0	22	124	43	19	8.8	12
8	13	7.2	7.6	6.0	5.6	8.0	31	118	40	18	8.4	11
9	13	7.2	7.5	6.0	5.5	9.0	62	115	36	18	8.8	11
10	12	7.9	7.2	6.0	5.8	9.8	76	95	33	19	8.5	10
11	12	7.9	6.8	6.0	5.7	9.9	60	108	32	18	7.9	10
12	12	8.0	6.8	6.0	5.8	10	49	127	32	17	7.5	10
13	11	7.9	7.1	6.0	6.0	10	49	134	30	17	7.1	10
14	11	7.6	7.2	6.0	6.2	9.0	41	126	33	16	7.2	13
15	11	7.6	6.0	6.0	6.3	9.7	37	125	31	15	7.0	16
16	10	7.6	6.0	6.0	6.4	9.8	36	126	26	15	6.4	22
17	10	7.5	6.3	6.0	6.6	10	38	118	23	16	6.5	23
18	10	7.2	6.0	5.0	7.0	10	35	105	23	25	6.5	21
19	10	7.2	6.0	5.0	6.8	10	32	98	23	20	6.5	20
20	10	7.2	6.0	5.0	9.1	11	30	88	22	18	6.4	20
21	10	7.2	5.5	5.5	9.6	12	28	77	22	19	7.1	20
22	9.0	7.2	5.5	5.5	8.1	12	27	71	22	18	6.4	19
23	8.0	7.2	5.5	5.7	8.0	13	29	60	17	17	6.6	18
24	8.0	7.2	5.5	5.6	7.0	13	59	45	18	15	6.9	18
25	8.0	7.2	5.5	6.0	7.0	13	106	37	19	14	6.2	18
26	8.0	7.6	6.0	5.0	7.0	14	135	28	19	14	8.1	16
27	8.0	7.6	6.0	4.0	7.0	14	149	23	20	13	8.1	15
28	8.0	7.5	5.5	5.0	6.0	16	136	20	20	13	7.8	14
29	8.0	8.0	4.5	5.4	7.0	18	80	19	21	12	11	14
30	8.0	8.0	5.0	5.2	---	18	66	21	23	12	15	14
31	8.0	---	7.0	5.5	---	19	---	25	---	11	16	---
TOTAL	329.0	226.5	205.1	173.4	187.7	340.7	1536	2646	872	529	264.7	466
MEAN	10.6	7.55	6.62	5.59	6.47	11.0	51.2	85.4	29.1	17.1	8.54	15.5
AC-FT	653	449	407	344	372	676	3050	5250	1730	1050	525	924
MAX	14	8.0	8.4	6.0	9.6	19	149	134	44	26	16	23
MIN	8.0	7.2	4.5	4.0	5.0	7.0	20	19	17	11	6.2	10

CAL YR 1995 TOTAL 21555.3 MEAN 59.1 MAX 523 MIN 4.5 AC-FT 42750  
WTR YR 1996 TOTAL 7776.1 MEAN 21.2 MAX 149 MIN 4.0 AC-FT 15420

MAX DISCH 168 CFS AT 0030 28-APR-1996 GH 2.92 FT. SHIFT 0.07 FT. MAX GH 3.24 FT. AT 0700 18-JAN-1996

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



## SAN JUAN RIVER BASIN

## CHERRY CREEK AT THE MOUTH NEAR RED MESA, CO

**LOCATION.**--Lat 37°07'03", long 108°11'53", in NW¼SW¼ sec. 7, T.33 N., R.12 W., NMPM, La Plata County.

**DRAINAGE AREA.**--66 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.**--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 29-30; Dec. 1-13 and 16-29, 1995; Jan. 13-26 and 28-31; Feb. 1-12, 16-20 and 23-29; Mar.1-4, 1995. Records fair except for winter period 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-1995 TO 30-SEP-1996

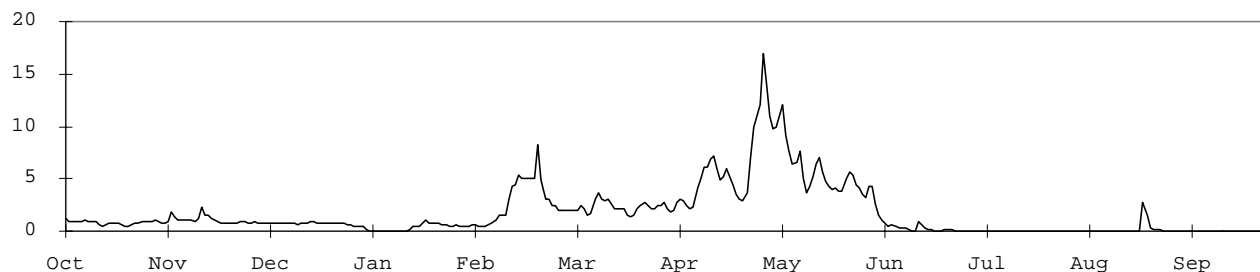
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	0.86	0.70	0.02	0.60	2.0	1.9	11	4.3	0.01	0.0	0.0
2	0.96	1.8	0.70	0.01	0.60	2.0	2.0	9.8	2.6	0.00	0.0	0.0
3	0.90	1.3	0.70	0.0	0.50	2.0	2.7	10	1.6	0.00	0.0	0.0
4	0.93	1.0	0.70	0.0	0.40	2.0	3.1	11	1.1	0.0	0.0	0.0
5	0.91	1.0	0.70	0.0	0.50	2.5	2.9	12	0.73	0.0	0.0	0.0
6	0.90	1.0	0.70	0.0	0.60	2.1	2.4	9.2	0.49	0.0	0.0	0.0
7	1.0	1.0	0.70	0.0	0.80	1.5	2.2	7.6	0.54	0.0	0.0	0.0
8	0.90	1.0	0.80	0.0	1.0	1.7	2.3	6.4	0.47	0.0	0.0	0.0
9	0.90	0.98	0.70	0.0	1.5	3.1	4.1	6.5	0.35	0.0	0.0	0.0
10	0.85	1.2	0.60	0.0	1.5	3.6	5.1	7.6	0.33	0.0	0.0	0.0
11	0.54	2.3	0.70	0.0	1.5	3.0	6.1	5.1	0.26	0.0	0.0	0.0
12	0.40	1.6	0.70	0.0	3.0	2.9	6.1	3.6	0.13	0.0	0.0	0.0
13	0.59	1.6	0.70	0.20	4.3	3.1	6.9	4.3	0.06	0.0	0.0	0.0
14	0.70	1.2	0.89	0.40	4.5	2.6	7.2	5.2	0.04	0.0	0.0	0.0
15	0.77	1.1	0.87	0.40	5.3	2.1	5.9	6.4	0.96	0.0	0.0	0.0
16	0.79	0.88	0.80	0.40	5.0	2.1	4.9	7.0	0.57	0.0	0.0	0.0
17	0.70	0.70	0.80	0.80	5.0	2.2	5.2	5.7	0.37	0.0	0.0	0.0
18	0.55	0.70	0.80	1.0	5.0	2.1	5.9	4.7	0.20	0.0	0.0	0.0
19	0.44	0.70	0.80	0.80	5.0	1.5	5.2	4.3	0.11	0.0	0.0	0.0
20	0.51	0.70	0.80	0.80	5.0	1.4	4.5	3.9	0.06	0.0	0.0	0.0
21	0.67	0.70	0.80	0.80	8.2	1.5	3.5	4.1	0.04	0.0	0.0	0.0
22	0.76	0.70	0.70	0.80	4.9	2.1	3.0	3.8	0.01	0.0	2.7	0.0
23	0.70	0.98	0.70	0.60	3.0	2.5	2.9	3.8	0.13	0.0	1.6	0.0
24	0.90	0.93	0.70	0.60	3.0	2.8	3.7	5.1	0.18	0.0	0.24	0.0
25	0.98	0.80	0.60	0.50	2.5	2.4	7.0	5.7	0.08	0.0	0.19	0.0
26	0.96	0.80	0.60	0.50	2.5	2.1	10	5.3	0.05	0.0	0.14	0.0
27	0.91	0.90	0.50	0.54	2.0	2.2	11	4.5	0.04	0.0	0.11	0.0
28	1.0	0.78	0.50	0.50	2.0	2.4	12	4.1	0.03	0.0	0.05	0.0
29	0.93	0.70	0.50	0.50	2.0	2.5	17	3.5	0.03	0.0	0.01	0.0
30	0.80	0.70	0.47	0.50	---	2.8	14	3.2	0.02	0.0	0.0	0.0
31	0.70	---	0.19	0.50	---	2.2	---	4.2	---	0.0	0.0	---
TOTAL	24.75	30.61	21.13	11.17	81.70	71.0	170.7	188.6	15.87	0.02	5.04	0.0
MEAN	0.80	1.02	0.68	0.36	2.82	2.29	5.69	6.08	0.53	0.00	0.16	0.0
AC-FT	49	61	42	22	162	141	339	374	31	0.04	10	0.0
MAX	1.2	2.3	0.89	1.0	8.2	3.6	17	12	4.3	0.01	2.7	0.0
MIN	0.40	0.70	0.19	0.0	0.40	1.4	1.9	3.2	0.01	0.0	0.0	0.0

CAL YR 1995 TOTAL 5571.21 MEAN 15.3 MAX 71 MIN 0.19 AC-FT 11050  
WTR YR 1996 TOTAL 620.59 MEAN 1.70 MAX 17 MIN 0.00 AC-FT 1230

MAX DISCH 95 CFS AT 2345 22-AUG-1996 GH 2.48 FT. SHIFT 0.15 FT. MAX GH 2.48 FT. AT 2345 22-AUG-1996

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



SAN JUAN RIVER BASIN

LONG HOLLOW AT THE MOUTH NEAR RED MESA, CO

LOCATION.--Lat 37°03'02", long 108°10'23", in SE¼SW¼ sec. 32, T.33 N., R.12 W., NMPM, La Plata County.

DRAINAGE AREA.-- 46.5 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.--Record is complete and reliable except for the following periods: Stage-discharge relationship affected by ice Dec. 23-28, 1995; Jan. 3, 8, 24 and 27, 1996. Recorder malfunctioned Mar. 21-26, 1996. Floats frozen in ice in the well Jan. 5 and 20, 1996. Records good except for estimated daily discharges which are poor. Diversion for irrigation of up to 85 acres upstream of gage. Station maintained and records developed by J. Russell Kennedy and Scott D. Brinton.

RATING TABLE.--LONREDCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

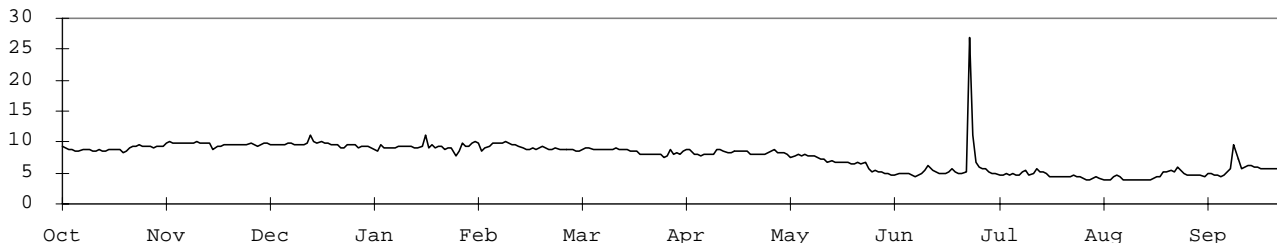
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	9.9	9.7	9.1	10	8.7	8.3	8.3	5.2	5.8	4.0	4.7
2	9.0	10	9.6	8.9	9.8	8.5	8.1	8.3	5.0	5.6	4.0	4.7
3	8.7	9.9	9.6	8.5	8.6	8.5	8.5	8.3	4.9	5.2	4.1	4.7
4	8.7	9.9	9.6	9.6	9.0	8.7	8.7	8.1	4.7	5.0	4.3	4.6
5	8.6	9.8	9.6	9.0	9.4	9.1	8.7	7.5	4.7	4.8	4.1	4.5
6	8.6	9.9	9.5	9.1	9.8	9.1	7.9	7.7	4.9	4.6	4.0	5.0
7	8.7	9.7	9.7	9.0	9.8	8.7	7.9	7.9	4.9	4.7	3.9	4.8
8	8.7	9.7	9.7	9.0	9.8	8.7	7.7	7.7	4.9	4.9	4.0	4.6
9	8.7	9.9	9.5	9.2	9.9	8.9	7.9	7.9	4.9	4.6	4.4	4.6
10	8.6	10	9.6	9.2	10	8.9	7.9	7.7	4.7	4.9	4.7	4.4
11	8.6	9.9	9.6	9.2	9.9	8.9	8.1	7.7	4.5	4.6	4.4	4.6
12	8.7	9.9	9.6	9.3	9.6	8.9	8.1	7.7	4.6	4.7	4.0	5.1
13	8.6	9.8	9.7	9.2	9.5	8.9	8.7	7.5	4.8	5.2	3.9	5.8
14	8.6	9.8	11	9.1	9.2	9.1	8.7	7.3	5.5	5.4	3.9	9.6
15	8.8	8.8	10	9.1	9.1	8.9	8.5	7.2	6.2	4.7	4.0	7.3
16	8.9	9.3	9.9	9.2	8.9	8.9	8.3	6.8	5.4	4.8	3.8	5.8
17	8.8	9.4	10	11	8.9	8.7	8.3	7.0	5.1	5.8	3.9	5.9
18	8.7	9.5	9.8	9.0	9.1	8.5	8.5	6.6	4.8	5.2	3.9	6.2
19	8.4	9.5	9.7	9.5	8.7	8.5	8.5	6.8	4.8	5.1	4.0	6.2
20	8.6	9.5	9.6	9.0	9.1	8.5	8.5	6.6	4.8	4.8	3.9	6.0
21	9.0	9.5	9.6	9.3	9.3	8.0	8.5	6.6	5.3	4.5	4.2	5.9
22	9.2	9.6	9.5	9.2	9.1	8.0	8.5	6.6	5.6	4.4	4.3	5.8
23	9.4	9.5	9.0	8.7	8.9	8.0	8.1	6.4	5.1	4.3	4.4	5.8
24	9.5	9.5	9.0	9.0	8.9	8.0	8.1	6.4	4.9	4.3	5.1	5.8
25	9.3	9.6	9.5	9.0	9.1	8.0	8.1	6.6	4.8	4.4	5.2	5.8
26	9.4	9.7	9.5	7.8	8.9	8.0	8.1	6.4	5.1	4.5	5.5	5.8
27	9.2	9.5	9.5	8.5	8.9	7.9	8.1	6.6	27	4.4	5.2	5.8
28	9.1	9.4	9.0	9.8	8.7	7.6	8.3	5.6	11	4.6	6.0	5.8
29	9.2	9.6	9.3	9.4	8.7	7.7	8.5	5.2	6.6	4.4	5.5	5.9
30	9.2	9.7	9.4	9.3	---	8.7	8.7	5.4	5.9	4.3	5.0	5.8
31	9.3	---	9.4	9.7	---	8.1	---	5.2	---	4.1	4.7	---
TOTAL	276.1	289.7	297.7	283.9	268.6	263.6	248.8	217.6	180.6	148.6	136.3	167.3
MEAN	8.91	9.66	9.60	9.16	9.26	8.50	8.29	7.02	6.02	4.79	4.40	5.58
AC-FT	548	575	590	563	533	523	493	432	358	295	270	332
MAX	9.5	10	11	11	10	9.1	8.7	8.3	27	5.8	6.0	9.6
MIN	8.4	8.8	9.0	7.8	8.6	7.6	7.7	5.2	4.5	4.1	3.8	4.4

CAL YR 1995 TOTAL 3958.0 MEAN 10.8 MAX 61 MIN 7.4 AC-FT 7850  
WTR YR 1996 TOTAL 2778.8 MEAN 7.59 MAX 27 MIN 3.8 AC-FT 5510

MAX DISCH 116 CFS AT 1445 27-JUN-1996 GH 3.51 FT. SHIFT 0.00 FT. MAX GH 3.51 FT. AT 1445 27-JUN-1996

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



## SAN JUAN RIVER BASIN

## PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE

LOCATION.--Lat 36°59'58", long 108°11'09", in NW¼SE¼ sec. 10, T.32 N., R.13 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a shelter and well at a 1 foot Parshall flume.

REMARKS.--Record good. Station maintained by J. Russell Kennedy and Matthew A. Schmitt. Records developed by Scott D. Brinton.

RATING TABLE.--PIODITCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

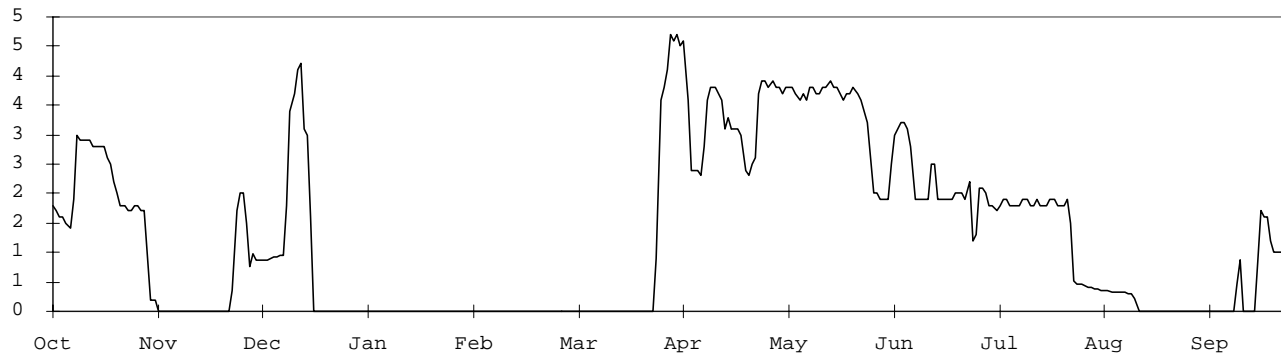
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	0.0	0.88	0.0	0.0	0.0	4.6	3.8	1.9	2.1	0.41	0.0
2	1.7	0.0	0.88	0.0	0.0	0.0	4.7	3.8	1.9	2.0	0.40	0.0
3	1.6	0.0	0.88	0.0	0.0	0.0	4.5	3.7	1.9	1.8	0.38	0.0
4	1.6	0.0	0.89	0.0	0.0	0.0	4.6	3.8	2.5	1.8	0.37	0.0
5	1.5	0.0	0.92	0.0	0.0	0.0	3.6	3.8	3.0	1.7	0.35	0.0
6	1.4	0.0	0.92	0.0	0.0	0.0	2.4	3.8	3.1	1.8	0.35	0.0
7	1.9	0.0	0.95	0.0	0.0	0.0	2.4	3.7	3.2	1.9	0.34	0.0
8	3.0	0.0	0.95	0.0	0.0	0.0	2.4	3.6	3.2	1.9	0.32	0.0
9	2.9	0.0	1.8	0.0	0.0	0.0	2.3	3.7	3.1	1.8	0.32	0.0
10	2.9	0.0	3.4	0.0	0.0	0.0	2.8	3.6	2.8	1.8	0.32	0.0
11	2.9	0.0	3.7	0.0	0.0	0.0	3.6	3.8	1.9	1.8	0.32	0.0
12	2.9	0.0	4.1	0.0	0.0	0.0	3.8	3.8	1.9	1.8	0.32	0.0
13	2.8	0.0	4.2	0.0	0.0	0.0	3.8	3.7	1.9	1.9	0.29	0.0
14	2.8	0.0	3.1	0.0	0.0	0.0	3.7	3.7	1.9	1.9	0.29	0.45
15	2.8	0.0	3.0	0.0	0.0	0.0	3.6	3.8	1.9	1.8	0.23	0.86
16	2.8	0.0	1.6	0.0	0.0	0.0	3.1	3.8	2.5	1.8	0.0	0.0
17	2.6	0.0	0.0	0.0	0.0	0.0	3.3	3.9	2.5	1.9	0.0	0.0
18	2.5	0.0	0.0	0.0	0.0	0.0	3.1	3.8	1.9	1.8	0.0	0.01
19	2.2	0.0	0.0	0.0	0.0	0.0	3.1	3.8	1.9	1.8	0.0	0.0
20	2.0	0.0	0.0	0.0	0.0	0.0	3.1	3.7	1.9	1.8	0.0	0.85
21	1.8	0.0	0.0	0.0	0.0	0.0	3.0	3.6	1.9	1.9	0.0	1.7
22	1.8	0.0	0.0	0.0	0.0	0.0	2.4	3.7	1.9	1.9	0.0	1.6
23	1.7	0.35	0.0	0.0	0.0	0.0	2.3	3.7	2.0	1.8	0.0	1.6
24	1.7	1.7	0.0	0.0	0.0	0.0	2.5	3.8	2.0	1.8	0.0	1.2
25	1.8	2.0	0.0	0.0	0.0	0.0	2.6	3.7	2.0	1.8	0.0	1.0
26	1.8	2.0	0.0	0.0	0.0	0.0	3.7	3.6	1.9	1.9	0.0	1.0
27	1.7	1.5	0.0	0.0	0.0	0.90	3.9	3.4	2.2	1.5	0.0	1.0
28	1.7	0.75	0.0	0.0	0.0	3.6	3.9	3.2	1.2	0.51	0.0	1.0
29	0.96	0.98	0.0	0.0	0.0	3.8	3.8	2.6	1.3	0.47	0.0	1.0
30	0.20	0.88	0.0	0.0	---	4.1	3.9	2.0	2.1	0.46	0.0	1.2
31	0.20	---	0.0	0.0	---	4.7	---	2.0	---	0.43	0.0	---
TOTAL	61.96	10.16	32.18	0.0	0.0	17.10	100.5	110.4	65.3	51.37	5.01	14.47
MEAN	2.00	0.34	1.04	0.0	0.0	0.55	3.35	3.56	2.18	1.66	0.16	0.48
AC-FT	123	20	64	0.0	0.0	34	199	219	130	102	9.9	29
MAX	3.0	2.0	4.2	0.0	0.0	4.7	4.7	3.9	3.2	2.1	0.41	1.7
MIN	0.20	0.0	0.0	0.0	0.0	0.0	2.3	2.0	1.2	0.43	0.0	0.0

CAL YR 1995 TOTAL 667.47 MEAN 1.83 MAX 5.5 MIN 0.00 AC-FT 1320  
WTR YR 1996 TOTAL 468.45 MEAN 1.28 MAX 4.7 MIN 0.00 AC-FT 929

MAX DISCH 11 CFS AT 1400 27-JUN-1996 GH 1.91 FT. SHIFT 0.00 FT. MAX GH 1.91 FT. AT 1400 27-JUN-1996

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



SAN JUAN RIVER BASIN

ENTERPRISE DITCH AT THE COLORADO-NEW MEXICO STATELINE

LOCATION.--Lat 37°00'50", long 108°11'18", in SW¼SE¼ sec. 3, T.32 N., R.13 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry in a shelter and well at a 2 foot Parshall flume.

REMARKS.--Record good. Station maintained by J. Russell Kennedy and Matthew A. Schmitt. Records developed by Scott D. Brinton.

RATING TABLE.--ENTDITCO01 USED FROM 01-OCT-1995 TO 30-SEP-1996

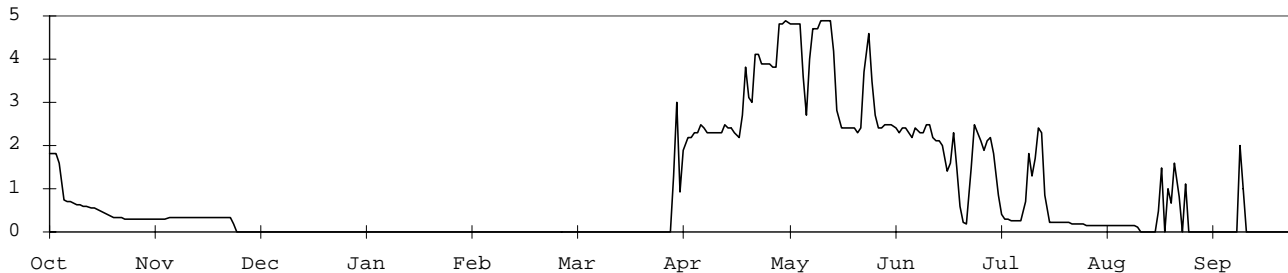
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	0.30	0.0	0.0	0.0	0.0	1.3	3.8	2.4	1.9	0.16	0.0
2	1.8	0.30	0.0	0.0	0.0	0.0	3.0	4.8	2.5	2.1	0.16	0.0
3	1.8	0.30	0.0	0.0	0.0	0.0	0.91	4.8	2.5	2.2	0.16	0.0
4	1.6	0.31	0.0	0.0	0.0	0.0	1.9	4.9	2.5	1.8	0.16	0.0
5	0.75	0.34	0.0	0.0	0.0	0.0	2.2	4.8	2.4	0.85	0.16	0.0
6	0.72	0.34	0.0	0.0	0.0	0.0	2.2	4.8	2.3	0.42	0.14	0.0
7	0.69	0.34	0.0	0.0	0.0	0.0	2.3	4.8	2.4	0.30	0.13	0.0
8	0.66	0.34	0.0	0.0	0.0	0.0	2.3	4.8	2.4	0.28	0.13	0.0
9	0.64	0.34	0.0	0.0	0.0	0.0	2.5	3.6	2.3	0.27	0.13	0.0
10	0.62	0.34	0.0	0.0	0.0	0.0	2.4	2.7	2.2	0.26	0.13	0.0
11	0.61	0.34	0.0	0.0	0.0	0.0	2.3	4.0	2.4	0.26	0.13	0.0
12	0.61	0.34	0.0	0.0	0.0	0.0	2.3	4.7	2.3	0.26	0.13	0.0
13	0.57	0.34	0.0	0.0	0.0	0.0	2.3	4.7	2.3	0.72	0.13	0.0
14	0.56	0.34	0.0	0.0	0.0	0.0	2.3	4.9	2.5	1.8	0.13	2.0
15	0.51	0.34	0.0	0.0	0.0	0.0	2.3	4.9	2.5	1.3	0.10	1.0
16	0.49	0.34	0.0	0.0	0.0	0.0	2.5	4.9	2.2	1.7	0.0	0.0
17	0.44	0.34	0.0	0.0	0.0	0.0	2.4	4.9	2.1	2.4	0.0	0.0
18	0.41	0.34	0.0	0.0	0.0	0.0	2.4	4.2	2.1	2.3	0.0	0.0
19	0.38	0.34	0.0	0.0	0.0	0.0	2.3	2.8	2.0	0.86	0.0	0.0
20	0.34	0.34	0.0	0.0	0.0	0.0	2.2	2.4	1.4	0.24	0.0	0.0
21	0.34	0.34	0.0	0.0	0.0	0.0	2.7	2.4	1.6	0.23	0.48	0.0
22	0.32	0.34	0.0	0.0	0.0	0.0	3.8	2.4	2.3	0.23	1.5	0.0
23	0.30	0.34	0.0	0.0	0.0	0.0	3.1	2.4	1.5	0.23	0.01	0.0
24	0.30	0.20	0.0	0.0	0.0	0.0	3.0	2.4	0.59	0.23	1.0	0.0
25	0.30	0.0	0.0	0.0	0.0	0.0	4.1	2.3	0.22	0.23	0.65	0.0
26	0.30	0.0	0.0	0.0	0.0	0.0	4.1	2.4	0.19	0.21	1.6	0.0
27	0.30	0.0	0.0	0.0	0.0	0.0	3.9	3.7	1.5	0.19	0.82	0.0
28	0.30	0.0	0.0	0.0	0.0	0.0	3.9	4.6	2.5	0.19	0.0	0.0
29	0.30	0.0	0.0	0.0	0.0	0.0	3.9	3.5	2.3	0.19	1.1	0.0
30	0.30	0.0	0.0	0.0	---	0.0	3.8	2.7	2.1	0.17	0.0	0.0
31	0.30	---	0.0	0.0	---	0.0	---	2.4	---	0.16	0.0	---
TOTAL	19.37	7.87	0.0	0.0	0.0	0.0	80.61	117.4	60.50	24.48	9.23	3.0
MEAN	0.62	0.26	0.0	0.0	0.0	0.0	2.69	3.79	2.02	0.79	0.30	0.10
AC-FT	38	16	0.0	0.0	0.0	0.0	160	233	120	49	18	6.0
MAX	1.8	0.34	0.0	0.0	0.0	0.0	4.1	4.9	2.5	2.4	1.6	2.0
MIN	0.30	0.0	0.0	0.0	0.0	0.0	0.91	2.3	0.19	0.16	0.0	0.0

CAL YR 1995 TOTAL 554.74 MEAN 1.52 MAX 5.8 MIN 0.00 AC-FT 1100  
WTR YR 1996 TOTAL 322.47 MEAN 0.88 MAX 4.9 MIN 0.00 AC-FT 640

MAX DISCH 5.7 CFS AT 1800 27-JUN-1996 GH 0.80 FT. SHIFT 0.00 FT. MAX GH 0.80 FT. AT 1800 27-JUN-1996

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





## SAN JUAN RIVER BASIN

09366500 LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE

**LOCATION.**--Lat 36°59'59", long 108°11'17", in NW¼SE¼ sec. 10, T.32 N., R.13 W., NMPM, La Plata County, CO, Hydrologic Unit 14080105, on right bank at Colorado-New Mexico State line, 0.5 mi downstream of Johnny Pond Arroyo, and 4.9 mi north of La Plata, NM.

**DRAINAGE AREA.**--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 affected by ice Dec. 21-31, 1995; Jan. 1-9, 11-30, 1996. Record good except for the winter period which is poor. Station maintained and record developed by Scott D Brinton.

**RATING TABLE.**--LAPMEXCO27 USED FROM 01-OCT-1995 TO 30-SEP-1996

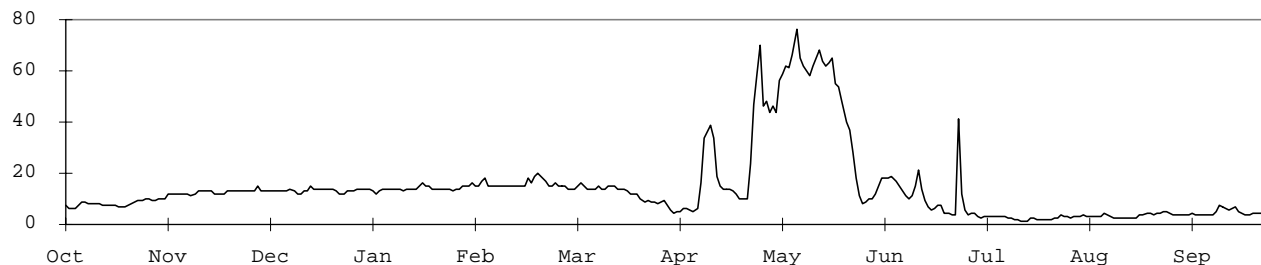
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	12	13	14	16	14	5.7	44	10	4.2	2.9	4.0
2	6.5	12	13	13	15	14	4.4	46	12	4.3	3.1	3.9
3	6.0	12	13	12	15	14	5.0	44	15	2.9	3.2	4.0
4	6.2	12	13	13	17	15	5.0	56	18	2.6	3.5	3.8
5	7.3	12	13	14	18	16	6.0	59	18	3.0	3.4	3.8
6	8.7	12	13	14	15	15	6.3	62	18	2.9	3.1	4.3
7	8.9	12	13	14	15	14	5.6	61	19	3.1	2.9	4.0
8	8.0	11	14	14	15	14	5.3	66	17	3.4	2.9	3.7
9	8.1	12	13	14	15	14	6.1	76	15	2.9	3.4	3.7
10	8.0	13	12	14	15	15	16	65	13	3.4	4.2	3.5
11	8.1	13	12	13	15	14	34	62	11	3.1	3.5	3.6
12	7.7	13	13	14	15	14	36	60	10	2.5	2.9	4.0
13	7.7	13	13	14	15	15	39	58	11	2.4	2.7	5.3
14	7.4	13	15	14	15	15	34	62	15	2.1	2.7	7.2
15	7.7	12	14	14	15	15	19	65	21	1.7	2.7	6.6
16	7.6	12	14	15	15	14	15	68	14	0.98	2.6	6.0
17	7.1	12	14	16	15	14	14	64	9.6	1.3	2.6	5.9
18	6.8	12	14	15	18	14	14	62	6.6	1.1	2.6	6.4
19	6.8	13	14	15	16	13	14	63	5.6	2.3	2.8	6.6
20	7.4	13	14	14	19	12	13	65	6.0	2.5	2.8	5.2
21	8.0	13	14	14	20	12	12	55	7.4	2.1	3.9	4.2
22	8.7	13	13	14	19	12	9.8	54	7.3	2.0	3.6	4.0
23	9.4	13	12	14	17	10	10	48	4.1	1.8	4.4	3.9
24	9.6	13	12	14	15	8.9	10	40	4.1	1.7	4.4	4.2
25	9.7	13	13	14	15	9.3	24	37	4.0	1.6	3.9	4.4
26	9.8	13	13	13	16	8.8	47	28	3.8	2.2	4.1	4.4
27	9.4	13	13	14	15	8.7	59	18	41	2.2	4.1	4.5
28	9.3	15	14	14	15	8.3	70	11	12	3.5	4.8	4.6
29	10	13	14	15	15	8.9	46	8.2	5.8	3.3	4.7	4.8
30	10	13	14	15	---	9.3	48	8.5	3.9	3.2	4.4	4.8
31	10	---	14	15	---	7.7	---	9.7	---	2.8	4.0	---
TOTAL	253.1	378	413	436	461	388.9	633.2	1525.4	358.2	79.08	106.8	139.3
MEAN	8.16	12.6	13.3	14.1	15.9	12.5	21.1	49.2	11.9	2.55	3.45	4.64
AC-FT	502	750	819	865	914	771	1260	3030	710	157	212	276
MAX	10	15	15	16	20	16	70	76	41	4.3	4.8	7.2
MIN	6.0	11	12	12	15	7.7	4.4	8.2	3.8	0.98	2.6	3.5

CAL YR 1995 TOTAL 16028.5 MEAN 43.9 MAX 343 MIN 3.2 AC-FT 31790  
WTR YR 1996 TOTAL 5171.98 MEAN 14.1 MAX 76 MIN 0.98 AC-FT 10260

MAX DISCH 227 CFS AT 1615 27-JUN-1996 GH 4.36 FT. SHIFT 0.05 FT. MAX GH 4.36 FT. AT 1615 27-JUN-1996

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



SAN JUAN RIVER BASIN

09370000 MANCOS RIVER NEAR MANCOS, CO (1995)

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.--CORRECTED COPY OF 1995 RECORD.

RATING TABLE.--MANMANCO07 USED FROM 01-OCT-1994 TO 30-SEP-1995

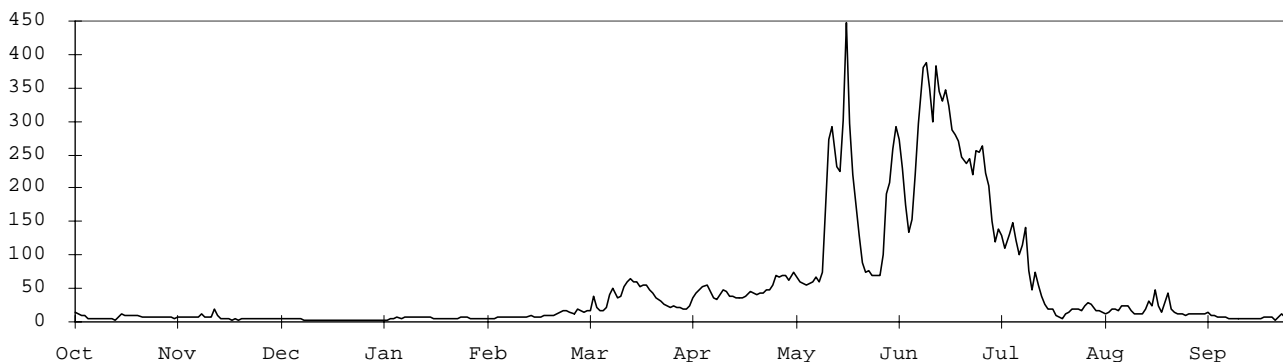
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	6.8	4.0	3.0	5.0	18	21	68	101	264	23	12
2	11	6.6	4.0	3.0	5.0	16	20	70	191	222	28	13
3	9.4	8.2	4.0	3.0	5.0	14	20	69	209	204	27	12
4	8.7	6.2	4.0	4.0	5.0	16	25	63	258	150	17	12
5	5.3	6.0	4.0	5.0	6.0	16	35	75	291	120	17	12
6	5.7	7.4	4.0	6.0	6.0	39	43	66	274	140	15	13
7	5.4	7.9	4.0	5.0	6.0	21	48	60	229	130	13	14
8	5.2	11	4.0	7.0	6.0	16	53	57	175	110	15	9.9
9	4.8	8.0	3.0	7.0	6.0	16	55	54	134	131	19	8.7
10	4.1	7.5	3.0	7.0	6.0	22	45	58	154	148	19	8.0
11	3.9	7.6	3.0	7.0	6.0	41	36	60	220	123	16	7.0
12	3.7	19	3.0	7.0	7.0	51	34	66	297	100	23	6.0
13	3.4	9.2	3.0	7.0	7.0	36	41	61	380	115	23	5.0
14	8.3	5.2	3.0	6.0	8.0	39	48	75	388	142	23	4.0
15	11	4.6	3.0	6.0	9.0	52	46	172	350	76	16	4.0
16	8.6	4.1	3.0	6.0	6.0	60	38	272	300	47	11	4.0
17	9.1	3.4	3.0	5.0	7.0	64	39	291	382	74	11	4.0
18	9.8	3.7	3.0	5.0	8.0	61	37	233	345	56	13	4.0
19	9.3	3.0	3.0	5.0	9.0	59	36	224	331	39	18	4.0
20	9.0	3.6	3.0	5.0	9.0	52	35	301	346	27	30	4.0
21	7.5	3.8	3.0	5.0	10	56	38	448	322	20	25	4.0
22	7.0	4.1	3.0	5.0	10	55	46	298	287	18	47	4.1
23	7.7	4.0	3.0	5.0	12	47	42	220	281	9.9	23	5.8
24	7.8	4.0	3.0	5.0	14	44	41	174	270	8.1	14	6.3
25	7.1	4.0	3.0	6.0	17	37	42	130	246	5.8	28	6.7
26	7.1	4.0	3.0	6.0	16	31	44	89	238	12	42	6.2
27	6.7	4.0	3.0	6.0	14	26	47	74	244	14	19	1.8
28	7.0	4.0	3.0	5.0	12	23	49	76	221	18	14	6.3
29	7.2	4.0	3.0	5.0	---	21	56	69	257	19	13	13
30	7.3	4.0	3.0	5.0	---	25	70	70	254	18	12	7.9
31	5.9	---	3.0	5.0	---	22	---	69	---	17	10	---
TOTAL	229.0	178.9	101.0	167.0	237.0	1096	1230	4112	7975	2577.8	624	222.7
MEAN	7.39	5.96	3.26	5.39	8.46	35.4	41.0	133	266	83.2	20.1	7.42
AC-FT	454	355	200	331	470	2170	2440	8160	15820	5110	1240	442
MAX	15	19	4.0	7.0	17	64	70	448	388	264	47	14
MIN	3.4	3.0	3.0	3.0	5.0	14	20	54	101	5.8	10	1.8

CAL YR 1994 TOTAL 508.9 MEAN 1.39 MAX 19 MIN 3.0 AC-FT 1010  
WTR YR 1995 TOTAL 18750.4 MEAN 51.4 MAX 448 MIN 1.8 AC-FT 37190

MAX DISCH 619 CFS AT 1530 17-JUN-1995 GH 1.98 FT. SHIFT 0.83 FT. MAX GH 2.75 FT. AT 2145 21-MAY-1995

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



## SAN JUAN RIVER BASIN

09370000 MANCOS RIVER NEAR MANCOS, CO

**LOCATION.**--Lat 37°21'13", long 108°15'41", in NE¼NE¼ sec. 27, T.36 N., R.13 W., NMPM, Montezuma County.

**DRAINAGE AREA.**--72.6 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.**--Record is complete and reliable except for the following periods: : Float frozen in well Nov. 28-30; Dec. 1, 4, 9 and 15-31,1995; Jan. 1-Mar. 28, 1996. Records poor due to unstable control section. 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-1995 TO 30-SEP-1996

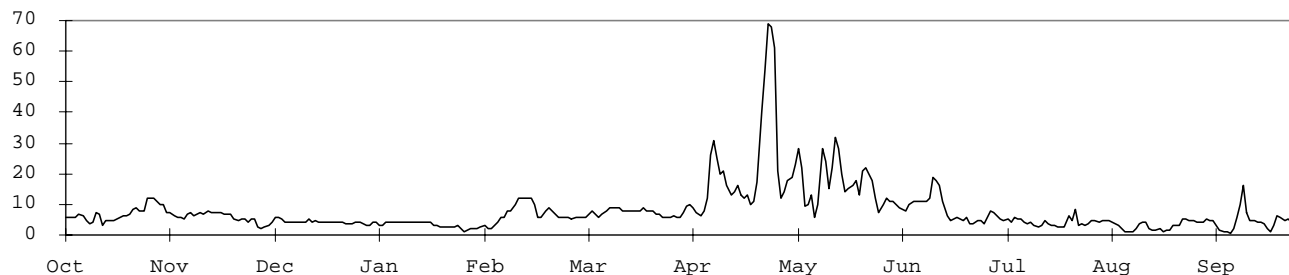
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	7.1	4.0	4.0	2.5	6.0	7.2	14	11	7.9	4.5	4.3
2	6.0	6.5	5.6	3.0	3.0	6.0	9.5	18	11	7.5	4.3	4.4
3	6.0	5.6	5.7	3.0	2.0	6.0	10	19	10	6.5	4.5	5.4
4	6.0	5.5	5.0	4.0	2.0	7.0	8.8	23	9.0	5.4	4.5	4.5
5	6.7	5.4	4.3	4.0	3.0	8.0	7.5	28	8.2	4.9	4.6	4.8
6	6.4	6.7	4.1	4.0	4.0	7.0	6.2	22	8.0	5.0	4.3	3.2
7	4.8	7.4	4.1	4.0	6.0	6.0	8.0	9.2	9.8	4.4	3.8	1.5
8	3.8	6.4	4.3	4.0	6.0	7.0	12	10	11	5.9	3.0	1.2
9	4.3	7.0	4.0	4.0	8.0	8.0	26	13	11	5.4	2.2	1.0
10	7.3	7.1	4.0	4.0	8.0	9.0	31	5.7	11	5.1	1.3	0.54
11	6.7	7.0	4.0	4.0	10	9.0	25	10	11	4.4	1.3	2.3
12	3.3	7.6	5.0	4.0	12	9.0	20	28	11	3.9	1.1	5.5
13	4.6	7.1	4.3	4.0	12	9.0	21	24	12	4.1	2.1	9.7
14	4.5	7.1	4.5	4.0	12	8.0	16	15	19	3.3	3.4	16
15	4.9	7.3	4.0	4.0	12	8.0	13	22	18	2.4	4.3	7.1
16	5.0	7.3	4.0	4.0	12	8.0	14	32	16	3.1	4.1	4.6
17	5.6	7.0	4.0	4.0	10	8.0	16	28	11	4.7	2.3	4.6
18	6.5	6.7	4.0	3.0	6.0	8.0	13	20	6.2	3.9	1.6	4.4
19	6.4	6.7	4.0	3.0	6.0	8.0	12	14	4.9	3.2	1.5	4.3
20	6.6	5.0	4.0	2.5	8.0	9.0	13	15	5.3	2.9	1.9	3.6
21	8.4	4.8	4.0	2.5	9.0	8.0	10	16	5.6	2.6	1.3	2.3
22	8.9	5.3	4.0	2.5	8.0	8.0	11	18	5.0	2.4	1.5	1.1
23	7.7	5.1	3.5	2.5	7.0	8.0	17	13	4.6	2.6	1.5	3.1
24	7.8	4.4	3.5	2.5	6.0	7.0	40	21	5.8	6.4	3.2	6.4
25	12	5.0	3.5	3.0	6.0	7.0	54	22	3.7	4.8	3.2	5.7
26	12	5.4	4.0	2.0	6.0	6.0	69	20	3.5	8.2	3.2	4.9
27	12	2.8	4.0	1.0	6.0	6.0	68	18	4.6	3.2	5.2	5.1
28	11	2.0	3.5	1.5	5.0	6.0	61	12	4.5	3.5	5.2	4.4
29	9.8	2.5	3.0	2.0	6.0	6.3	21	7.3	3.8	3.1	4.8	4.5
30	9.9	3.0	3.0	2.0	---	5.7	12	10	5.8	3.9	4.8	3.5
31	7.5	---	4.0	2.0	---	6.0	---	12	---	4.6	4.2	---
TOTAL	218.3	173.8	126.9	98.0	203.5	228.0	652.2	539.2	261.3	139.2	98.7	133.94
MEAN	7.04	5.79	4.09	3.16	7.02	7.35	21.7	17.4	8.71	4.49	3.18	4.46
AC-FT	433	345	252	194	404	452	1290	1070	518	276	196	266
MAX	12	7.6	5.7	4.0	12	9.0	69	32	19	8.2	5.2	16
MIN	3.3	2.0	3.0	1.0	2.0	5.7	6.2	5.7	3.5	2.4	1.1	0.54

CAL YR 1995 TOTAL 18760.5 MEAN 51.4 MAX 448 MIN 1.8 AC-FT 37210  
WTR YR 1996 TOTAL 2873.04 MEAN 7.85 MAX 69 MIN 0.54 AC-FT 5700

MAX DISCH 100 CFS AT 0100 28-APR-1996 GH 1.03 FT. SHIFT 0.71 FT. MAX GH 1.03 FT. AT 0100 28-APR-1996

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





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1996 Water Year Stream Flow Data  
on PC Compatible Diskettes or CD

Mean daily flow values for gaging stations are available on a DOS compatible diskette or CD upon request from this Office. Each station's data are in a file named by an eight-character station identification code, followed by the filename extension "H??", where the ?? represents the year being searched. For example, the values for "Clear Creek at Derby, water year 1996 are in the file "Clederco.H96". A list of the eight character codes follows.

The files contain ASCII text information. There are two columns. The first column is the number of the day of the water year, and the second is that day's mean flow. October 1 is day number 1. September 30 is day 365, except in leap years when there would be 366 days. The first line of some "H" files may contain information on the instantaneous peak for the water year.

Station Identification Codes  
for Data on Diskette and CD

DIV I

CODE	NAME
ADATUNCO	ALVA B. ADAMS TUNNEL AT EAST PORTAL, NEAR ESTES PARK
APGTUNCO	AUGUST P. GUMBLICK TUNNEL NEAR JONES PASS
BCRMORCO	BEAR CREEK AT MORRISON
BCRSHECO	BEAR CREEK AT SHERIDAN
BCSCBCCO	BOULDER CK. SUPPLY CANAL TO BOULDER CK. NEAR BOULDER
BEAVERCO	BEAVER CREEK ABOVE BEAVER RESERVOIR
BERDITCO	BERTHOUD PASS DITCH AT BERTHOUD PASS
BFCLHCCO	BOULDER FEEDER CANAL TO LEFTHAND CREEK
BFLYOCO	BOULDER CREEK FEEDER CANAL NEAR LYONS
BIGLASCO	BIG THOMPSON AT MOUTH, NEAR LA SALLE
BOCBGRCO	SOUTH BOULDER CREEK BELOW GROSS RESERVOIR
BOCELSCO	SOUTH BOULDER CREEK NEAR ELDERADO SPRINGS
BOCMIDCO	MIDDLE BOULDER CREEK AT NEDERLAND
BOCOROCO	BOULDER CREEK NEAR ORODELL
BORDITCO	BOREAS PASS DITCH AT BOREAS PASS
BOSDELCO	SOUTH BOULDER CREEK, DIVERSION NR ELDERADO 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
BUCRMVCO	BUCKHORN CREEK NEAR MASONVILLE
BTNFDRCO	NORTH FORK BIG THOMPSON RIVER AT DRAKE
CAPDCPCO	CAMERON PASS DITCH NEAR CAMERON PASS
CLAFTCCO	CACHE LA POUDE AT CANYON MOUTH, NEAR FORT COLLINS
CLAGRECO	CACHE LA POUDE NEAR GREELEY
CLEDERCO	CLEAR CREEK AT DERBY
COCREPCO	COAL CREEK NEAR PLAINVIEW
DEADDPCCO	DEADMAN DITCH NEAR DEADMAN PARK
DILTUNCO	DILLE TUNNEL NEAR DRAKE
DRYCRKCO	DRY CREEK TURNOUT NEAR NIWOT
EURDITCO	EUREKA DITCH
FISHESCO	FISH CREEK NEAR ESTES PARK
GRNDRDCO	GRAND RIVER DITCH AT LA POUDE PASS
HFCBBSCO	CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON
HFCPPCCO	CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON
HFCWASCO	CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON
HFCCRCO	HANSEN FDR CAN AT T.O. TO COTTONWOOD CR. NR NIWOT
HSCCLPCO	HANSEN SUP CAN TO CACHE LA POUDE R. NR FT. COLLINS
HSCPVDCCO	HANSEN SUP CAN TO POUDE VAL. CAN NR. FT. COLLINS
HSPTUNCO	HOOSIER PASS TUNNEL AT MONTGOMERY RES., NEAR ALMA
LAPTUNCO	LARAMIE POUDE TUNNEL
LEFTHDCO	LEFTHAND DIVERSION AT ST. VRAIN CREEK NR WARD
LTCANYCO	LITTLE THOMPSON RIVER AT CANYON MOUTH, NEAR BERTHOUD
MICDCPCO	MICHIGAN DITCH AT CAMERON PASS
MOFTUNCO	MOFFAT WATER TUNNEL, GILPIN COUNTY
MUNCANCO	MUNROE CANAL
OLYUNTUNCO	OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES
ONEJURCO	SOUTH PLATTE RIVER AT JULESBURG CHANNEL #1
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
PLACHACO	SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR
PLACHECO	SOUTH PLATTE RIVER BL. CHEESMAN RESERVOIR
PLADENCO	SOUTH PLATTE RIVER AT DENVER
PLAGEOCO	SOUTH PLATTE RIVER NEAR LAKE GEORGE
PLAGRACO	NORTH FORK SOUTH PLATTE RIVER AT GRANT
PLAHARCO	SOUTH PLATTE RIVER ABOVE ELEVENMILE RESERVOIR
PLAHENCO	SOUTH PLATTE RIVER AT HENDERSON
PLAJUCCO	SOUTH PLATTE RIVER AT JULESBURG COMBINED
PLAJULCO	SOUTH PLATTE RIVER AT JULESBURG LEFT CHAN. #4
PLAJURCO	SOUTH PLATTE RIVER AT JULESBURG RIGHT CHAN. #2
PLAKERCO	SOUTH PLATTE RIVER NEAR KERSEY



PLALUPCO	SOUTH PLATTE RIVER AT FORT LUPTON
PLASPICO	SOUTH PLATTE RIVER ABOVE SPINNEY RESERVOIR
PLASPLCO	SOUTH PLATTE RIVER AT SOUTH PLATTE
PLASTRCO	SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS
PLAWATCO	SOUTH PLATTE RIVER AT WATERTON
PLAWELCO	SOUTH PLATTE RIVER NEAR WELDONA
ROBTUNCO	ROBERTS TUNNEL AT EAST PORTAL NEAR GRANT
SKYDCLCO	SKYLINE DITCH AT CHAMBERS LAKE
SPSCFLCO	SOUTH PLATTE SUPPLY CANAL BELOW SAND LAKE NE FT. LUPTON
SSVWARCO	SOUTH ST. VRAIN NEAR WARD
SVCLYOCO	SAINT VRAIN CREEK AT LYONS
SVCPLACO	ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE
SVSLYOCO	ST. VRAIN SUPPLY CANAL NEAR LYONS
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
WINDESCO	WIND RIVER NEAR ESTES PARK
WSDEARCO	WILSON SUPPLY DITCH NEAR EATON RESERVOIR

## DIV II

CODE	NAME
ARKCACCO	ARKANSAS RIVER AND CATLIN CANAL COMBINED
ARKCANCO	ARKANSAS RIVER AT CANYON CITY
ARKCATCO	ARKANSAS RIVER AT CATLIN DAM NEAR FOWLER
ARKGRNCO	ARKANSAS RIVER AT GRANITE
ARKLAJCO	ARKANSAS RIVER AT LA JUNTA
ARKNEPCO	ARKANSAS RIVER NEAR NEPESTA
ARKPORCO	ARKANSAS RIVER AT PORTLAND
ARKPUECO	ARKANSAS RIVER ABOVE PUEBLO
ARKSALCO	ARKANSAS RIVER AT SALIDA
ARKWELCO	ARKANSAS RIVER NEAR WELLSVILLE
BOUTUNCO	CHARLES H. BOUSTEAD TUNNEL
BUSTUNCO	BUSK-IVANHOE TUNNEL
CATCANCO	CATLIN CANAL AT CATLIN DAM, NEAR FOWLER
CANSWKCO	CROOKED ARROYO NEAR SWINK
CCACCRCO	CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR
CCBCCRCO	CLEAR CREEK BELOW CLEAR CREEK RESERVOIR
CHCRNACO	CHALK CREEK AT NATHROP
COLDITCO	COLUMBINE DITCH
COTRBVCO	COTTONWOOD CREEK NEAR BUENA VISTA
CRBRLVCO	CUCHARAS RIVER AT BOYD RANCH NEAR LA VETA
EWIDITCO	EWING DITCH
GRAWESCO	GRAPE CREEK NEAR WESTCLIFFE
HOMTUNCO	HOMESTAKE TUNNEL
HURREDCO	HUERFANO RIVER NEAR REDWING
LAKATLCO	LAKE CREEK ABOVE TWIN LAKES RESERVOIR
LAKBTLCO	LAKE CREEK BELOW TWIN LAKES RESERVOIR
LARDITCO	LARKSPUR DITCH AT MARSHALL PASS
LCBLSLCO	LAKE FORK CREEK BELOW SUGAR LOAF DAM NR. LEADVILLE
NMCHIGCO	NINEMILE CANAL AT NINEMILE DAM NEAR HIGBEE
PURNICCO	PURGATOIRE R AT NINEMILE DAM, NR HIGBEE COMBINED
PURNINCO	PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE
PURTRICO	PURGATOIRE RIVER AT TRINIDAD
TWITUNCO	TWIN LAKES TUNNEL
WURDITCO	WURTZ DITCH NEAR TENNESSEE PASS
WUREXDCO	WURTZ EXTENSION DITCH NEAR TENNESSEE PASS

## DIV III

CODE	NAME
ALABELCO	ALAMOSA CREEK BELOW TERRACE RESERVOIR
ALATERCO	ALAMOSA CREEK ABOVE TERRACE RESERVOIR
CARLAGCO	CARNERO CREEK NEAR LA GARITA
CBPALACO	CLOSED BASIN PROJECT CANAL NEAR ALAMOSA
CONLASCO	COMBINED CONEJOS RIVER (NORLASCO SOULASCO)
CONMOGCO	CONEJOS RIVER NEAR MOGOTE
CONPLACO	CONEJOS RIVER BELOW PLATORO RESERVOIR
CULSANCO	CULEBRA CREEK AT SAN LUIS
DLFCMBCO	DON LA FONT DITCH, COMBINED, AT PIEDRA PASS
DLFDT1CO	DON LA FONT DITCH NO. 1 AT PIEDRA PASS
DLFDT2CO	DON LA FONT DITCH NO. 2 AT PIEDRA PASS
GOOWAGCO	GOOSE CREEK AT WAGONWHEEL GAP
KERVILCO	KERBER CREEK NEAR VILLA GROVE
LAGLAGCO	LA GARITA CREEK NEAR LA GARITA
LAJCAPCO	LAJARA CREEK AT GALLEGOS RANCH NEAR CAPULIN
LOSORTCO	LOS PINOS RIVER NEAR ORTIZ
NCLCONCO	NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR
NOCRESCO	CRESTONE CREEK, NORTH NEAR CRESTONE
NORDLSCO	NORTON DRAIN NEAR LA SAUSES
NORDSCCO	SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES
NORLASCO	NORTH CHANNEL CONEJOS RIVER NEAR LASAUSES
PINDELCO	PINOS CREEK NEAR DEL NORTE
PRWDITCO	PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS
RIOALACO	RIO GRANDE RIVER AT ALAMOSA
RIODELCO	RIO GRANDE NEAR DEL NORTE
RIOLINCO	RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE
RIOLOBCO	RIO GRANDE NEAR LOBATOS
RIOMILCO	RIO GRANDE AT THIRTY MILE BRIDGE
RIOMONCO	RIO GRANDE AT MONTE VISTA
RIOSFKCO	SOUTH FORK RIO GRANDE RIVER AT SOUTH FORK
RIOTRICO	RIO GRANDE RIVER ABOVE THE MOUTH OF TRINCHERA CREEK
SAGSAGCO	SAGUACHE CREEK NEAR SAGUACHE
SANFTGCO	SANGRE DE CRISTO CREEK NEAR FT. GARLAND
SANMANCO	SAN ANTONIO RIVER NEAR MANASSA
SANORTCO	SAN ANTONIO RIVER AT ORTIZ
SOULASCO	SOUTH CHANNEL CONEJOS RIVER NEAR LASAUSES
TABDITCO	TABOR DITCH AT SPRING CREEK PASS
TARBELCO	TARBELL DITCH NEAR COCHETOPA PASS
TREDITCO	TREASURE PASS DITCH AT WOLF CREEK PASS
TRIMTNCO	TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR
TRISMICO	TRINCHERA CREEK BELOW SMITH RESERVOIR
TRITURCO	TRINCHERA CREEK AB. TURNER'S RANCH
UTEFTGCO	UTE CREEK NEAR FORT GARLAND
WCSDDITCO	WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS
WEMDITCO	WEMINUCHE PASS DITCH AT WEMINUCHE PASS

## DIV IV

CODE	NAME
ABCLATCO	ABC LATERAL
MUDAPRCO	MUDDY CREEK ABOVE PAONIA RESERVOIR
MUDBPRCO	MUDDY CREEK BELOW PAONIA RESERVOIR
RLCGRJCO	REDLANDS CANAL NR GRAND JUNCTION
SOUCANCO	SOUTH CANAL NR MONTROSE
UNCOLACO	UNCOMPAGRE RIVER NEAR OLATHE

## DIV V

CODE	NAME
CHAGULCO	CHAPMAN GULCH NEAR NAST
FRYIVLCO	FRYING PAN RIVER NEAR IVANHOE LAKE
FRYMERCO	FRYING PAN RIVER AT MEREDITH
FRYNFNCO	NORTH FORK FRYING PAN RIVER NEAR NORRIE
FRYSFUCO	FRYING PAN RIVER, SOUTH FORK AT UPPER STATION NEAR NORRIE
FRYTHOCO	FRYING PAN RIVER NEAR THOMASVILLE
IVCRNACO	IVANHOE CREEK NEAR NAST
RFCMERCO	ROCKY FORK CREEK NEAR MEREDITH
ROABMCCO	ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN

## DIV VI

CODE	NAME
ILLRANCO	ILLINOIS RIVER NEAR RAND
WILBSLCO	WILSON CREEK BELOW STEAMBOAT LAKE

## DIV VII

CODE	NAME
ANIHOWCO	ANIMAS RIVER NEAR HOWARDSVILLE
BLADIVCO	BLANCO DIVERSION NEAR PAGOSA SPRINGS
CHEREDCO	CHERRY CREEK AT THE MOUTH NEAR RED MESA
DOLBMCCO	DOLORES RIVER BELOW MCPHEE RESERVOIR
DOLTUNCO	DOLORES TUNNEL OUTLET NEAR DOLORES
ENTDITCO	ENTERPRISE DITCH AT THE COLO-NEW MEXICO STATELINE
FLOALECO	FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO
FLOBLECO	FLORIDA RIVER BELOW LEMON RESERVOIR
LAPHESCO	LA PLATA RIVER AT HESPERUS
LAPMEXCO	LA PLATA RIVER AT THE COLORADO/NEW MEXICO LINE
LONREDCO	LONG HOLLOW AT THE MOUTH NEAR RED MESA
LOSODVCO	LITTLE OSO DIVERSION NEAR CHROMO
LPCDITCO	LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS
MANMANCO	MANCOS RIVER NEAR MANCOS
MVIDIVCO	LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES
NAVBANCO	NAVAJO RIVER AT BANDED PEAKS RANCH NEAR CHROMO
NAVOSOCO	NAVAJO RIVER BELOW OSO DIVERSION DAM NEAR CHROMO
OSODIVDO	OSO DIVERSION NEAR CHROMO
PINDITCO	PINE RIDGE DITCH NEAR HESPERUS
PIODITCO	PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE
RIOBLACO	RIO BLANCO BELOW BLANCO DIVERSION DAM NEAR PAGOSA
RIOMOUCO	RIO BLANCO AT THE MOUTH NEAR TRUJILLO

# STATEWIDE HYDROGRAPHIC STAFF

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J.C. McDanold  
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## PUEBLO

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Adam Adame

## ALAMOSA

Craig Cotten  
Scott Veneman  
Stan Ditmars  
Patrick McDermott

## MONTROSE

Jerry Thrush

## GLENWOOD SPRINGS

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## STEAMBOAT SPRINGS

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