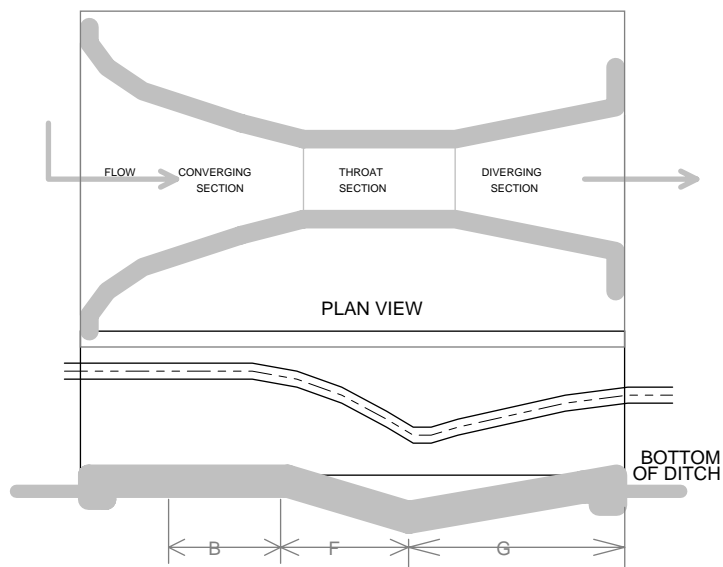


STREAM FLOW DATA for COLORADO

1993 WATER YEAR

(OCT 1, 1992 - SEP 30, 1993)

Compiled by
the
Hydrographic Branch
Edited by Jim McDanold



STATEWIDE HYDROGRAPHIC STAFF

DENVER

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

GREELEY

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

PUEBLO

Frank Kipple
Lou Schultz
Anthony Gutierrez
Bill Howland

ALAMOSA

Patrick McDermott
Scott Veneman
Craig Cotten
Stan Ditmars
Jim Horton
Wayne Williams

MONTROSE

Jerry Thrush

GLENWOOD SPRINGS

Wayne Schieldt

STEAMBOAT SPRINGS

Kent Holt

DURANGO

Scott Brinton
David Nelson

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

Jim McDanold
Chief, Hydrographic Branch

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PLATTE RIVER BASIN

06694650 SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR

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

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 12' Parshall flume in a wooden shelter. Satellite monitoring was installed for the 1992 Water Year. Gage is owned and maintained by the Denver Water Dept.

REMARKS.--Record is good. Primary record is taken from hourly satellite readings and is complete and reliable. Satellite readings agree with chart record to within 0.02 foot, with no encoder corrections applied. Record is developed and satellite monitoring maintained by Robert Cooper.

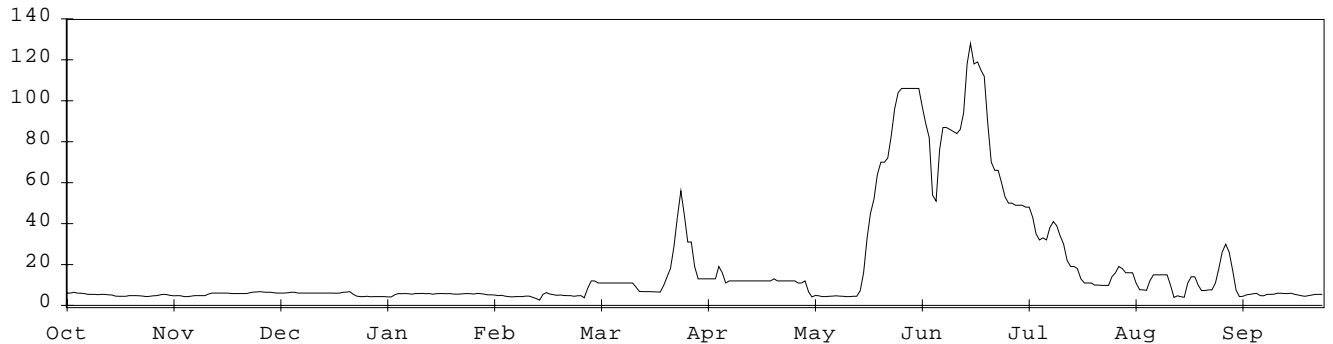
RATING TABLE.--PLAANTCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	4.7	6.1	4.4	5.2	8.5	19	11	106	50	16	26
2	6.1	4.8	6.1	4.2	5.1	12	13	11	106	50	19	30
3	6.4	4.7	6.1	4.2	4.8	12	13	12	106	49	18	26
4	6.1	4.4	6.2	5.2	5.0	11	13	6.7	106	49	16	17
5	6.0	4.4	6.4	5.8	4.6	11	13	4.2	106	49	16	7.5
6	5.8	4.6	6.4	5.7	4.4	11	13	4.9	97	48	16	4.4
7	5.4	4.8	6.1	5.8	4.2	11	13	4.7	89	48	11	4.5
8	5.4	4.8	6.1	5.7	4.4	11	19	4.4	82	43	7.7	5.2
9	5.4	4.8	6.1	5.5	4.4	11	16	4.4	54	35	7.6	5.4
10	5.3	4.8	6.1	5.8	4.4	11	11	4.5	51	32	7.4	5.7
11	5.4	5.6	6.1	5.8	4.6	11	12	4.6	76	33	12	5.9
12	5.4	6.1	6.1	5.9	4.6	11	12	4.7	87	32	15	4.8
13	5.2	6.1	6.1	5.7	4.0	11	12	4.6	87	38	15	4.7
14	5.1	6.1	6.1	5.8	3.4	11	12	4.5	86	41	15	5.4
15	4.6	6.1	6.1	5.5	2.6	8.9	12	4.4	85	39	15	5.4
16	4.5	6.1	6.1	5.7	5.4	6.9	12	4.4	84	34	15	5.5
17	4.5	6.0	6.1	5.8	6.3	6.8	12	4.5	86	30	10	6.0
18	4.5	5.8	6.0	5.8	5.6	6.8	12	4.5	94	22	3.9	6.0
19	4.8	5.8	6.1	5.7	5.3	6.8	12	7.2	118	19	4.7	5.8
20	4.8	5.8	6.4	5.8	5.0	6.7	12	16	128	19	4.3	5.8
21	4.8	5.8	6.5	5.6	5.1	6.6	12	33	118	18	4.0	6.0
22	4.7	5.8	6.8	5.5	4.9	6.5	12	45	119	13	11	5.4
23	4.6	6.2	5.4	5.6	4.8	9.9	12	52	115	11	14	5.1
24	4.4	6.5	4.6	5.7	4.8	14	13	64	112	11	14	4.7
25	4.5	6.6	4.4	5.8	4.5	18	12	70	89	11	10	4.5
26	4.7	6.8	4.4	5.7	4.7	29	12	70	70	10	7.3	4.8
27	4.8	6.5	4.5	5.6	4.8	43	12	72	66	10	7.3	5.1
28	5.2	6.4	4.3	5.9	3.8	56	12	83	66	9.8	7.6	5.4
29	5.4	6.4	4.4	5.7	---	44	12	96	60	9.8	7.6	5.4
30	5.3	6.2	4.4	5.5	---	31	12	104	53	9.8	11	5.4
31	4.9	---	4.4	5.2	---	31	---	106	---	14	18	---
TOTAL	160.1	169.5	177.0	171.6	130.7	485.4	384	922.2	2702	887.4	356.4	238.8
MEAN	5.16	5.65	5.71	5.54	4.67	15.7	12.8	29.7	90.1	28.6	11.5	7.96
AC-FT	318	336	351	340	259	963	762	1830	5360	1760	707	474
MAX	6.4	6.8	6.8	5.9	6.3	56	19	106	128	50	19	30
MIN	4.4	4.4	4.3	4.2	2.6	6.5	11	4.2	51	9.8	3.9	4.4

CAL YR 1992 TOTAL 5328.4 MEAN 14.6 MAX 106 MIN 2.9 AC-FT 10570
WTR YR 1993 TOTAL 6785.1 MEAN 18.6 MAX 128 MIN 2.6 AC-FT 13460

MAX DISCH 128 CFS AT 1000 19-JUN-1993 GH 1.87 FT. SHIFT 0.00 FT. MAX GH 1.87 FT. AT 1000 19-JUN-1993



PLATTE RIVER BASIN

06694920 SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Primary record is from satellite data base. Record is taken from hourly satellite readings and is complete and reliable, except for the winter period; Nov. 1, 1992-Apr. 20, 1993 when the flume was frozen. Record is developed by Robert E. Cooper.

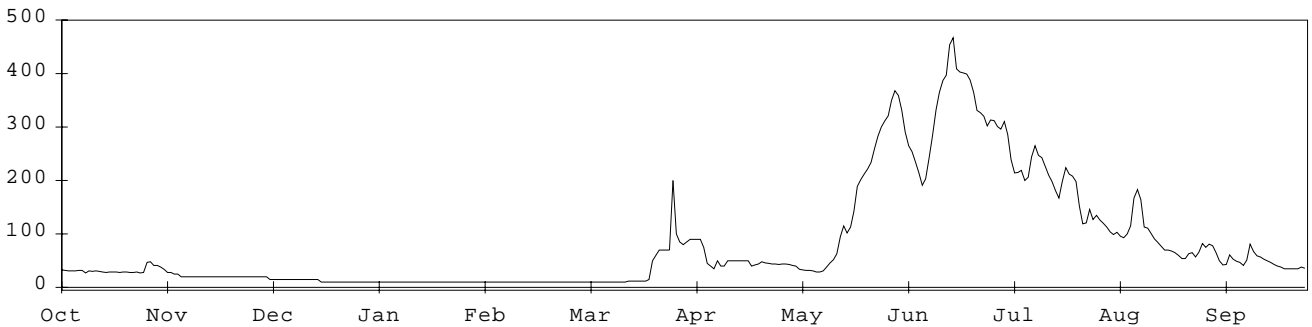
RATING TABLE.--PLASPICO01 USED FROM 01-NOV-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	28	15	10	10	10	80	44	350	312	126	75
2	32	28	15	10	10	10	85	43	368	301	120	81
3	31	25	15	10	10	10	90	41	359	296	113	78
4	31	25	15	10	10	10	90	40	331	310	104	65
5	31	20	15	10	10	10	90	34	291	286	99	50
6	32	20	15	10	10	10	90	33	265	239	103	42
7	32	20	15	10	10	10	75	32	254	214	96	43
8	27	20	15	10	10	10	45	32	235	215	93	61
9	31	20	15	10	10	10	40	31	214	219	100	53
10	30	20	15	10	10	10	35	29	191	200	115	49
11	31	20	15	10	10	10	50	29	203	206	167	47
12	30	20	15	10	10	10	40	31	243	244	183	41
13	29	20	15	10	10	10	40	38	284	265	164	51
14	28	20	15	10	10	10	50	46	332	247	113	81
15	29	20	15	10	10	10	50	52	365	243	111	67
16	29	20	10	10	10	12	50	63	387	226	101	59
17	29	20	10	10	10	12	50	95	397	210	91	57
18	28	20	10	10	10	12	50	115	454	198	84	53
19	29	20	10	10	10	12	50	102	467	181	77	50
20	29	20	10	10	10	12	50	113	409	167	70	47
21	28	20	10	10	10	12	40	143	403	198	70	43
22	28	20	10	10	10	15	42	189	401	224	68	40
23	29	20	10	10	10	50	44	202	399	212	65	38
24	27	20	10	10	10	60	48	212	388	208	60	35
25	28	20	10	10	10	70	46	222	365	198	54	35
26	47	20	10	10	10	70	45	234	331	152	54	35
27	48	20	10	10	10	70	44	259	327	119	63	35
28	41	20	10	10	10	70	44	283	320	121	65	35
29	41	20	10	10	---	200	43	300	302	146	57	38
30	38	20	10	10	---	100	44	311	313	127	66	36
31	34	---	10	10	---	85	---	321	---	135	82	---
TOTAL	990	626	385	310	280	1012	1640	3719	9948	6619	2934	1520
MEAN	31.9	20.9	12.4	10.0	10.0	32.6	54.7	120	332	214	94.6	50.7
AC-FT	1960	1240	764	615	555	2010	3250	7380	19730	13130	5820	3010
MAX	48	28	15	10	10	200	90	321	467	312	183	81
MIN	27	20	10	10	10	10	35	29	191	119	54	35

CAL YR 1992 TOTAL 27870 MEAN 76.1 MAX 340 MIN 10 AC-FT 55280
WTR YR 1993 TOTAL 29983 MEAN 82.1 MAX 467 MIN 10 AC-FT 59470

MAX DISCH 500 CFS AT 0245 19-JUN-1993 GH 2.84 FT. SHIFT -0.01 FT. MAX GH 2.84 FT. AT 0245 19-JUN-1993



PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--880 mi².

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

REMARKS.--Hourly record from satellite data is complete and agrees with available chart record. Where gaps exist in the chart record, the satellite data was found to check closely with release records from Spinney Mountain Reservoir, just upstream. Record is complete except for the period Mar. 13-21, 1993, when the DCP and the chart recorder both malfunctioned. Release from Spinney Mt. Res. was constant during this period, and agreed with satellite discharges before and after the gap in the record. Record is good. Record developed by Robert Cooper.

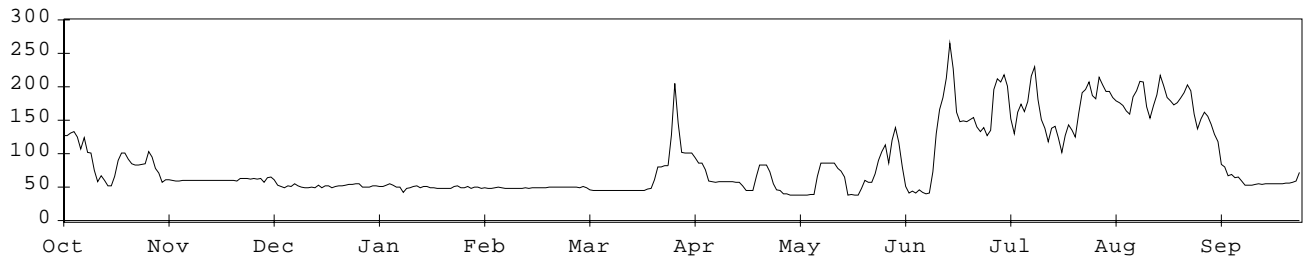
RATING TABLE.--PLAHARCO15 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	61	65	52	48	50	102	40	86	135	182	152
2	127	60	61	51	49	49	101	40	120	196	214	162
3	131	59	53	51	48	51	101	38	139	212	203	156
4	133	59	51	53	48	49	101	38	117	207	193	144
5	125	60	49	55	49	46	94	38	80	218	193	129
6	107	60	52	53	50	45	86	38	51	201	184	118
7	124	60	51	50	49	45	86	38	41	152	179	84
8	102	60	55	50	48	45	76	38	44	130	176	80
9	101	60	52	42	48	45	59	39	41	162	172	67
10	75	60	50	48	48	45	58	39	46	174	164	69
11	58	60	49	49	48	45	57	66	42	163	159	64
12	67	60	49	51	48	45	58	86	40	178	185	65
13	60	60	50	52	48	45	58	86	41	216	194	59
14	52	60	49	49	49	45	58	86	73	230	208	53
15	52	60	53	51	48	45	58	86	130	181	207	53
16	66	60	49	51	49	45	58	86	166	151	170	53
17	90	60	52	49	49	45	57	78	184	138	153	54
18	101	60	52	49	49	45	57	74	213	118	172	55
19	101	60	49	48	49	45	52	65	265	138	188	54
20	92	60	51	48	49	45	45	38	227	141	217	55
21	85	59	52	48	50	45	45	39	162	124	202	55
22	83	63	52	48	50	47	45	38	148	102	184	55
23	83	63	53	48	50	48	66	38	149	127	179	55
24	84	63	54	51	50	61	83	48	148	143	173	55
25	85	62	54	52	50	80	83	60	151	135	176	55
26	103	63	55	49	50	80	83	57	154	125	183	56
27	95	62	55	49	50	82	73	57	140	161	191	56
28	78	63	50	51	50	82	55	70	133	191	203	57
29	71	57	50	48	---	128	46	90	139	196	194	59
30	57	64	50	50	---	205	45	103	127	207	159	72
31	61	---	52	50	---	146	---	113	---	187	137	---
TOTAL	2776	1818	1619	1546	1371	1924	2046	1850	3597	5139	5694	2301
MEAN	89.5	60.6	52.2	49.9	49.0	62.1	68.2	59.7	120	166	184	76.7
AC-FT	5510	3610	3210	3070	2720	3820	4060	3670	7130	10190	11290	4560
MAX	133	64	65	55	50	205	102	113	265	230	217	162
MIN	52	57	49	42	48	45	45	38	40	102	137	53

CAL YR 1992 TOTAL 31774 MEAN 86.8 MAX 210 MIN 42 AC-FT 63020
WTR YR 1993 TOTAL 31681 MEAN 86.8 MAX 265 MIN 38 AC-FT 62840

MAX DISCH 332 CFS AT 1100 02-AUG-1993 GH 2.27 FT. SHIFT -0.08 FT. MAX GH 2.27 FT. AT 1100 02-AUG-1993



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 in a wooden shelter at a 15' Parshall flume. Elevation of gage is 8,458 ft from topographic map. Station is owned and maintained by the Denver Water Dept.

REMARKS.--The record is complete and reliable. Primary record is taken from the chart recorder. Record is good. Record is developed by Robert E. Cooper.

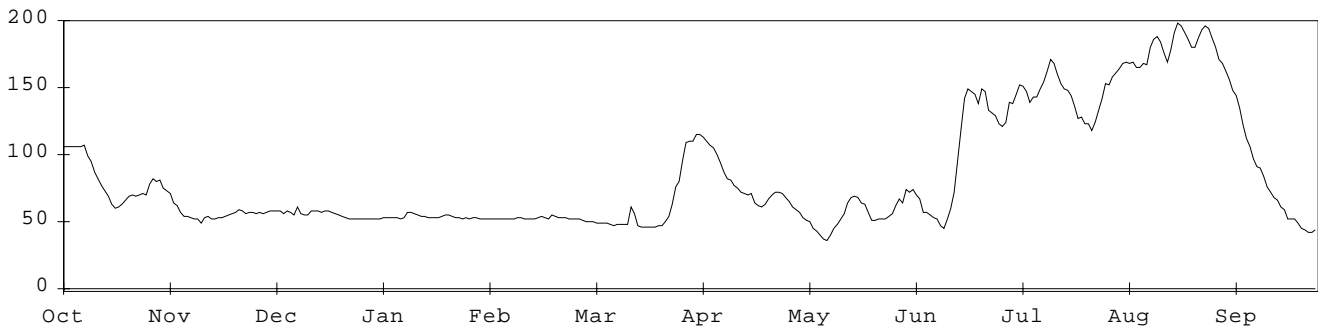
RATING TABLE.--PLAGEOCO04 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	71	58	52	52	51	110	61	67	121	152	180
2	106	64	58	53	52	50	110	59	64	124	158	171
3	106	62	58	53	52	50	115	57	74	139	161	168
4	106	57	56	53	52	50	115	53	72	138	164	162
5	106	54	58	53	52	49	113	51	74	145	168	156
6	106	54	57	53	52	49	110	50	70	152	169	148
7	107	53	55	52	52	49	107	45	67	151	168	144
8	99	52	61	53	52	49	105	43	57	147	169	135
9	95	52	56	57	52	48	100	40	57	139	165	122
10	87	49	55	57	53	47	94	37	55	143	165	112
11	82	53	55	56	53	48	87	36	53	143	168	106
12	77	54	58	55	52	48	82	40	52	149	167	97
13	73	52	58	54	52	48	81	45	47	154	180	91
14	69	52	58	54	52	48	77	48	45	162	186	90
15	63	53	57	53	52	61	75	52	52	171	188	84
16	60	53	58	53	53	56	72	56	60	168	184	76
17	61	54	58	53	54	47	71	64	72	160	176	72
18	63	55	57	53	53	46	70	68	96	153	169	68
19	66	56	56	54	52	46	71	69	119	149	178	66
20	69	57	55	55	55	46	64	68	142	148	191	61
21	70	59	54	55	54	46	62	64	149	144	198	59
22	69	58	53	54	53	46	61	63	147	136	196	52
23	70	56	52	53	53	47	63	57	145	127	191	52
24	71	57	52	53	53	47	67	51	138	128	186	52
25	70	57	52	52	52	50	70	51	149	123	180	49
26	78	56	52	53	52	54	72	52	147	123	180	45
27	82	57	52	52	52	63	72	52	133	118	187	44
28	80	56	52	53	52	76	71	52	131	124	193	42
29	81	57	52	53	---	80	68	54	129	133	196	42
30	75	58	52	52	---	96	65	56	123	142	194	44
31	73	---	52	52	---	109	---	62	---	153	187	---
TOTAL	2526	1678	1717	1658	1470	1700	2500	1656	2786	4407	5514	2790
MEAN	81.5	55.9	55.4	53.5	52.5	54.8	83.3	53.4	92.9	142	178	93.0
AC-FT	5010	3330	3410	3290	2920	3370	4960	3280	5530	8740	10940	5530
MAX	107	71	61	57	55	109	115	69	149	171	198	180
MIN	60	49	52	52	52	46	61	36	45	118	152	42

CAL YR 1992 TOTAL 30484 MEAN 83.3 MAX 186 MIN 38 AC-FT 60470
WTR YR 1993 TOTAL 30402 MEAN 83.3 MAX 198 MIN 36 AC-FT 60300

MAX DISCH 219 CFS AT 1730 22-AUG-1993 GH 2.28 FT. SHIFT 0.02 FT. MAX GH 2.28 FT. AT 1730 22-AUG-1993



PLATTE RIVER BASIN

06701500 SOUTH PLATTE RIVER BELOW CHEESMAN LAKE, CO

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

DRAINAGE AREA.--1,752 mi².

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

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

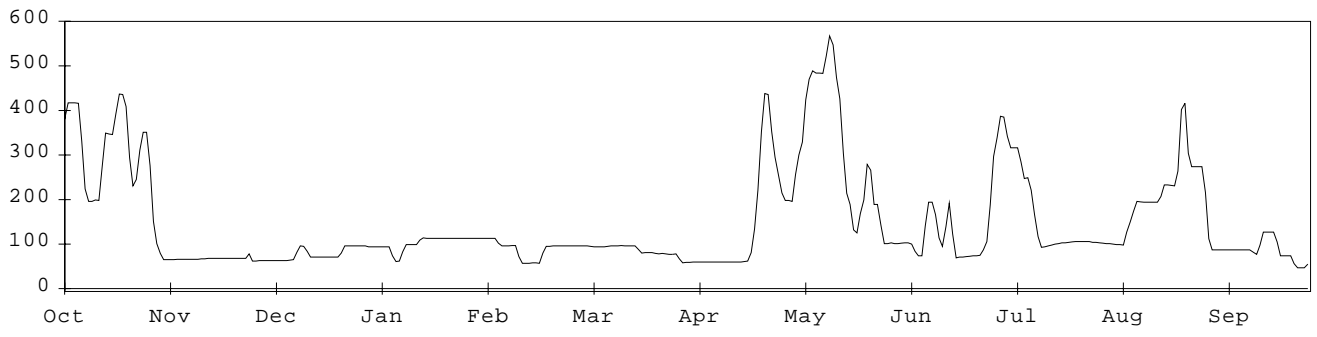
RATING TABLE.--PLACHECO10 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	380	65	63	94	113	96	59	198	101	339	102	112
2	417	65	63	94	113	96	59	196	101	387	101	87
3	417	66	63	94	113	96	60	256	102	385	101	87
4	417	66	63	94	113	95	60	300	103	342	100	87
5	416	66	63	74	102	94	60	329	103	316	99	87
6	331	66	64	61	96	94	60	424	100	316	99	87
7	224	66	65	62	96	94	60	470	84	316	98	87
8	196	66	82	83	96	94	60	489	74	285	127	87
9	196	66	96	99	97	95	60	484	74	247	150	87
10	199	67	95	99	97	96	60	484	141	249	174	87
11	198	67	84	99	72	96	60	483	194	221	196	87
12	275	68	71	99	57	96	60	522	194	166	195	87
13	349	68	71	109	57	97	60	567	166	117	194	87
14	347	68	71	114	57	96	60	547	114	93	194	82
15	346	68	71	113	58	96	60	474	95	94	194	77
16	392	68	71	113	58	96	60	426	139	96	194	98
17	437	68	71	113	57	96	60	304	192	98	194	127
18	436	68	71	113	80	88	61	214	123	100	207	127
19	409	68	71	113	95	80	62	189	69	101	233	127
20	294	68	71	113	95	81	81	132	71	103	233	127
21	231	68	80	113	96	81	134	125	71	103	232	105
22	245	68	96	113	96	81	221	168	72	104	231	74
23	311	68	96	113	96	79	353	199	73	105	264	74
24	351	78	96	113	96	78	438	279	74	106	402	74
25	351	62	96	113	96	79	436	266	74	106	416	74
26	276	62	96	113	96	78	353	189	75	106	304	56
27	151	63	96	113	96	77	295	189	87	106	274	47
28	101	63	96	113	96	77	256	142	106	106	274	47
29	79	63	94	113	---	78	215	101	188	104	274	47
30	65	63	94	113	---	67	198	101	297	104	274	55
31	65	---	94	113	---	58	---	103	---	103	216	---
TOTAL	8902	1996	2474	3196	2490	2705	4121	9350	3457	5524	6346	2574
MEAN	287	66.5	79.8	103	88.9	87.3	137	302	115	178	205	85.8
AC-FT	17660	3960	4910	6340	4940	5370	8170	18550	6860	10960	12590	5110
MAX	437	78	96	114	113	97	438	567	297	387	416	127
MIN	65	62	63	61	57	58	59	101	69	93	98	47

CAL YR 1992 TOTAL 61196 MEAN 167 MAX 601 MIN 39 AC-FT 121400
WTR YR 1993 TOTAL 53135 MEAN 146 MAX 567 MIN 47 AC-FT 105400

MAX DISCH 601 CFS AT 1600 13-MAY-1993 GH 2.92 FT. SHIFT -0.08 FT. MAX GH 2.92 FT. AT 1600
13-MAY-1993



PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--127 mi².

GAGE.--Water-stage recorder with satellite telemetry in a wooden shelter at a concrete control section. Datum of gage is 8,560.81 ft above National Geodetic Vertical Datum of 1929. 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 chart recorder. Record is complete. Record is good. Record is developed by Robert E. Cooper.

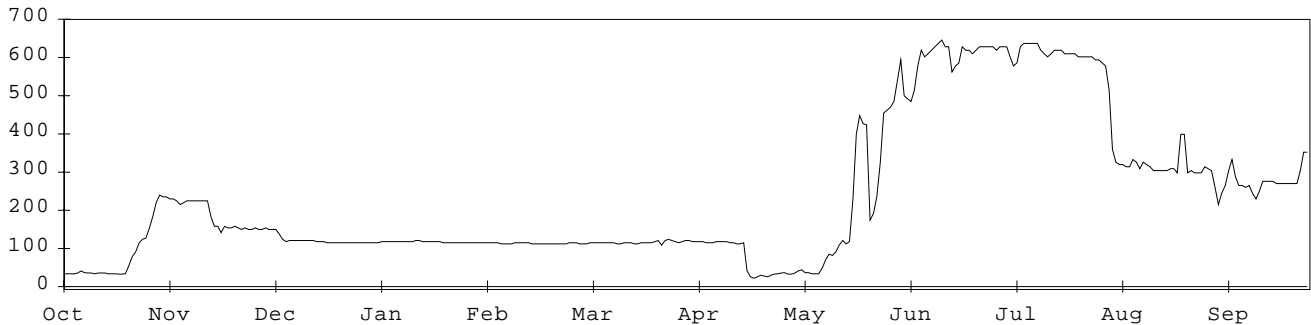
RATING TABLE.--PLAGRACO10 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	230	150	115	115	112	121	33	485	619	586	309
2	34	230	150	118	115	112	121	33	538	628	578	304
3	34	225	138	118	115	112	118	36	594	628	515	260
4	34	215	124	118	115	115	118	41	500	628	359	215
5	36	220	118	118	115	115	118	44	492	602	326	245
6	41	225	121	118	112	115	118	37	485	578	320	265
7	37	225	121	118	112	115	115	37	515	586	320	304
8	36	225	121	118	112	115	115	34	578	628	314	333
9	36	225	121	118	112	115	115	34	619	637	314	287
10	34	225	121	118	115	115	118	34	602	637	333	265
11	36	225	121	118	115	115	118	49	610	637	326	265
12	36	225	121	121	115	112	118	70	619	637	309	260
13	36	184	121	121	115	112	118	85	628	637	326	265
14	34	158	118	118	115	115	115	82	637	619	320	245
15	34	158	118	118	112	115	115	91	646	610	314	230
16	34	142	118	118	112	115	112	109	628	602	304	250
17	33	158	115	118	112	112	112	121	628	610	304	276
18	33	154	115	118	112	112	115	112	562	619	304	276
19	34	154	115	118	112	115	41	118	578	619	304	276
20	56	158	115	115	112	115	26	230	586	619	304	276
21	79	154	115	115	112	115	22	399	628	610	309	270
22	91	150	115	115	112	115	26	448	619	610	309	270
23	115	154	115	115	112	118	30	427	619	610	298	270
24	124	150	115	115	112	121	28	424	610	610	399	270
25	127	150	115	115	112	109	26	174	619	602	399	270
26	154	154	115	115	115	121	30	192	628	602	298	270
27	184	150	115	115	115	124	33	235	628	602	304	270
28	220	150	115	115	115	121	34	326	628	602	298	304
29	240	154	115	115	---	118	36	455	628	602	298	352
30	235	150	115	115	---	115	37	462	628	594	298	352
31	235	---	115	115	---	118	---	470	---	594	314	---
TOTAL	2526	5477	3727	3625	3175	3574	2469	5442	17765	19018	10604	8304
MEAN	81.5	183	120	117	113	115	82.3	176	592	613	342	277
AC-FT	5010	10860	7390	7190	6300	7090	4900	10790	35240	37720	21030	16470
MAX	240	230	150	121	115	124	121	470	646	637	586	352
MIN	33	142	115	115	112	109	22	33	485	578	298	215

CAL YR 1992 TOTAL 60322 MEAN 165 MAX 508 MIN 19 AC-FT 119600
WTR YR 1993 TOTAL 85706 MEAN 235 MAX 646 MIN 22 AC-FT 170000

MAX DISCH 815 CFS AT 1400 03-JUN-1993 GH 2.09 FT. SHIFT 0.03 FT. MAX GH 2.09 FT. AT 1400 03-JUN-1993



PLATTE RIVER BASIN

06707500 SOUTH PLATTE RIVER AT SOUTH PLATTE, CO

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

DRAINAGE AREA.--2,579 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry in a wooden shelter on a natural channel. Datum of gage is 6,078.43 ft above mean sea level. Road access is controlled by the U.S. Forest Service and 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 and is complete and reliable, except for the winter period; Dec. 2, 1992-Feb. 11, 1993 when the channel flow was ice-affected. The record is good for open water conditions. Winter period estimates are fair on a monthly basis, but poor on a daily basis. Station is maintained and records developed by Robert Cooper.

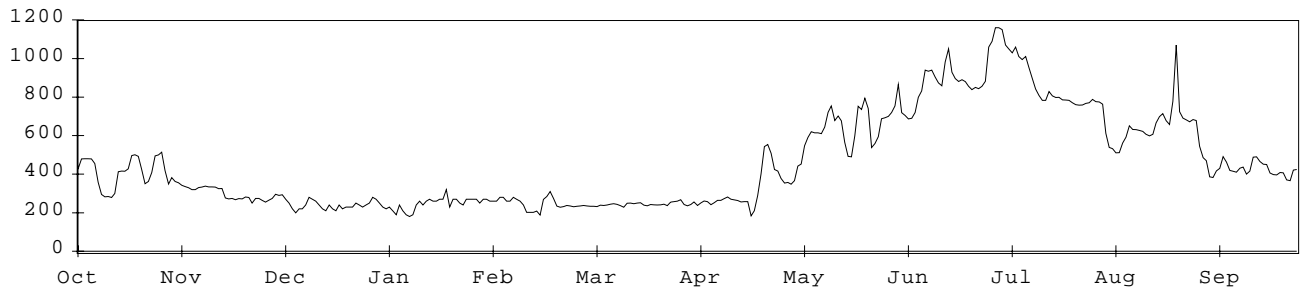
RATING TABLE.--PLASPLC014 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	426	342	293	220	260	238	236	357	720	1090	777	545
2	479	336	270	230	260	235	243	348	754	1160	775	486
3	480	330	250	210	260	233	256	367	865	1160	763	470
4	480	320	220	190	280	233	238	442	719	1150	612	386
5	479	320	200	240	280	232	251	453	705	1070	539	383
6	455	331	220	210	260	239	261	547	687	1050	532	417
7	358	333	220	190	260	238	258	590	690	1030	511	430
8	295	338	240	180	280	240	242	620	720	1060	512	491
9	283	334	280	190	270	245	252	614	799	1010	561	463
10	284	334	270	240	260	247	264	614	832	995	592	420
11	279	333	260	260	240	244	264	611	940	1010	651	415
12	300	325	240	240	202	237	273	644	934	954	632	410
13	413	326	220	260	202	229	282	721	940	898	631	431
14	416	277	210	270	202	249	270	754	904	842	627	437
15	415	272	240	260	209	250	267	679	873	809	622	400
16	428	274	220	260	188	247	263	702	859	783	607	416
17	497	268	210	270	269	250	256	677	982	783	599	489
18	501	273	240	270	284	252	258	566	1050	829	607	490
19	492	272	220	320	310	239	258	492	929	806	666	466
20	424	282	230	230	274	236	184	490	896	798	698	452
21	351	279	230	270	234	243	210	599	881	799	714	450
22	362	250	230	270	229	241	289	752	890	786	678	406
23	409	274	250	250	232	240	401	736	880	785	658	398
24	495	274	240	240	238	241	543	794	856	783	778	396
25	500	264	230	270	235	245	554	741	839	771	1070	409
26	514	255	240	270	231	237	508	538	850	761	724	407
27	419	265	250	270	233	255	424	559	844	758	691	370
28	349	274	280	270	235	258	416	595	856	759	682	367
29	382	296	270	250	---	260	378	688	882	767	672	421
30	362	290	250	270	---	268	354	693	1060	771	683	424
31	355	---	230	270	---	243	---	700	---	788	679	---
TOTAL	12682	8941	7453	7640	6917	7544	9153	18683	25636	27815	20543	12945
MEAN	409	298	240	246	247	243	305	603	855	897	663	432
AC-FT	25150	17730	14780	15150	13720	14960	18150	37060	50850	55170	40750	25680
MAX	514	342	293	320	310	268	554	794	1060	1160	1070	545
MIN	279	250	200	180	188	229	184	348	687	758	511	367

CAL YR 1992 TOTAL 156115 MEAN 427 MAX 800 MIN 200 AC-FT 309700
WTR YR 1993 TOTAL 165952 MEAN 455 MAX 1160 MIN 180 AC-FT 329200

MAX DISCH 1191 CFS AT 0545 04-JUL-1993 GH 4.11 FT. SHIFT 0.02 FT. MAX GH 4.11 FT. AT 0545
04-JUL-1993



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.

REMARKS.--Record complete, reliable and good. The satellite record is the primary record. Flow past the gaging station is controlled by releases from Strontia Springs Reservoir approximately 1500 feet upstream. Chart record values were used for the following days of incomplete transmission: Dec. 8-9, 1992; Apr. 3-11, 14-16; May 5, 18, 24-25; June 1, 4, 10-11, 16, 18, 21-22; July 6-8, 22, 27; Aug. 17; Sept. 22, 27, 1993. Station maintained and records developed by Rodger L. Burcher.

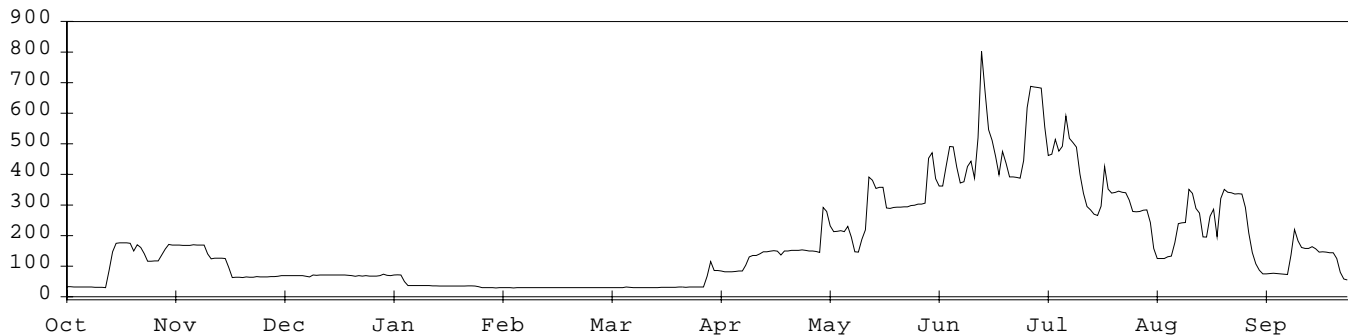
RATING TABLE.--PLASTRCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	169	69	69	30	30	68	150	303	618	278	292
2	33	169	69	71	30	30	115	148	306	688	279	209
3	32	168	69	72	30	30	86	145	453	686	283	145
4	32	168	69	71	30	30	86	292	471	684	284	108
5	32	168	69	50	29	30	84	279	386	682	243	87
6	32	170	69	37	30	30	82	232	362	555	158	75
7	32	169	69	37	30	30	82	213	362	462	125	75
8	32	169	67	37	30	30	82	214	428	466	125	76
9	31	169	65	37	30	32	83	216	491	514	125	77
10	31	140	71	37	30	31	84	213	490	476	131	76
11	31	124	70	37	30	30	84	230	424	492	133	75
12	30	126	71	37	30	30	103	195	372	591	177	74
13	86	126	71	36	30	30	130	147	376	518	239	73
14	147	126	71	36	30	30	135	146	426	504	242	137
15	175	125	71	35	30	30	135	188	443	489	243	220
16	176	96	71	35	30	30	140	219	388	401	351	183
17	176	63	71	35	30	30	147	391	520	338	338	161
18	176	64	71	35	30	30	147	381	802	295	289	158
19	175	64	71	35	30	31	149	354	670	284	274	158
20	150	63	70	35	30	31	151	358	546	270	196	164
21	170	65	69	35	30	31	149	358	511	266	195	157
22	161	64	67	35	30	31	137	290	458	296	263	146
23	141	64	69	36	30	31	150	289	399	426	286	147
24	116	66	68	36	30	32	150	292	475	352	197	146
25	116	65	69	35	30	32	152	293	437	339	321	144
26	117	65	68	33	30	31	152	293	392	341	351	144
27	117	65	68	30	30	32	152	294	392	345	342	125
28	137	66	68	30	---	32	153	294	390	342	340	80
29	156	66	69	30	---	32	152	298	388	340	336	58
30	171	67	74	30	---	32	150	299	445	316	337	55
31	169	---	70	29	---	32	---	303	---	279	336	---
TOTAL	3213	3289	2153	1233	839	953	3670	8014	13306	13655	7817	3825
MEAN	104	110	69.5	39.8	30.0	30.7	122	259	444	440	252	128
AC-FT	6370	6520	4270	2450	1660	1890	7280	15900	26390	27080	15510	7590
MAX	176	170	74	72	30	32	153	391	802	688	351	292
MIN	30	63	65	29	29	30	68	145	303	266	125	55

CAL YR 1992 TOTAL 56638 MEAN 155 MAX 553 MIN 30 AC-FT 112300
WTR YR 1993 TOTAL 61967 MEAN 170 MAX 802 MIN 29 AC-FT 122900

MAX DISCH 1053 CFS AT 2215 03-JUN-1993 GH 5.24 FT. SHIFT 0.04 FT. MAX GH 5.24 FT. AT 2215 03-JUN-1993



PLATTE RIVER BASIN

06708000 SOUTH PLATTE RIVER AT WATERTON, CO

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

DRAINAGE AREA.--2,621 mi².

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

REMARKS.--The record is complete and reliable except for the winter period of missing record. Period of missing record is: Dec. 15, 1992-Mar. 5, 1993. The stage-discharge relation was affected by ice on Nov. 22, 24-30; Dec. 1, 5-7, 14, 1992; Mar. 12-14, 1993. The satellite record is the primary record. Chart values were used on Nov. 3, 12, 20-21, 23; Dec. 8-10, 13, 1992; Apr. 24; May 14, 21-22; June 17; July 1, 7, 15-21; Aug. 11, 26-30, 1993. Station maintained and records developed by Rodger L. Burcher.

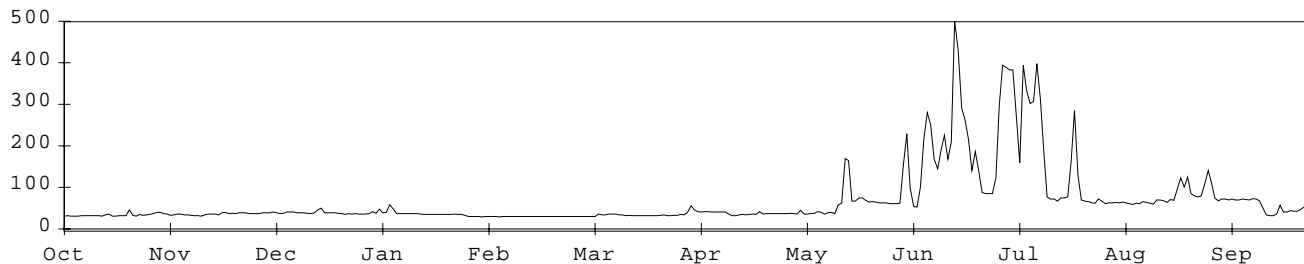
RATING TABLE.--PLAWATCO08 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	33	41	48	30	30	40	38	61	297	61	110
2	32	34	39	39	30	30	56	37	62	394	63	74
3	31	36	37	40	30	30	46	36	155	389	63	68
4	31	36	38	58	30	30	42	45	229	383	64	72
5	31	34	41	49	29	30	41	36	99	383	63	72
6	32	34	41	37	30	36	42	36	54	270	65	70
7	32	33	41	37	30	34	42	37	53	159	63	72
8	32	32	39	37	30	34	41	38	100	394	61	70
9	32	32	39	37	30	36	41	42	218	333	59	70
10	32	31	39	37	30	36	41	40	280	302	62	72
11	32	34	38	37	30	36	41	36	251	307	61	71
12	31	36	37	37	30	34	41	39	168	398	66	70
13	34	36	39	36	30	34	36	40	145	313	64	73
14	36	36	46	35	30	32	32	37	190	189	62	72
15	31	34	50	35	30	33	32	58	226	77	60	68
16	31	39	39	35	30	32	34	62	168	72	70	50
17	32	40	39	35	30	32	35	169	209	72	70	34
18	32	37	39	35	30	32	34	165	500	67	68	32
19	32	38	39	35	30	32	35	67	431	75	64	32
20	46	37	38	35	30	32	36	67	291	75	71	36
21	33	39	37	35	30	32	35	75	263	77	69	57
22	31	39	35	35	30	32	42	75	217	162	97	41
23	35	39	37	36	30	32	36	69	141	285	123	41
24	33	37	36	35	30	33	37	65	186	129	101	44
25	34	37	37	35	30	34	37	66	141	70	125	43
26	35	37	36	33	30	32	37	65	88	67	85	43
27	37	37	36	30	30	32	37	63	85	66	80	47
28	40	39	36	30	30	33	37	63	85	63	77	53
29	40	39	37	30	---	33	37	63	85	62	80	52
30	37	39	42	30	---	35	37	61	123	72	108	47
31	36	---	38	29	---	34	---	61	---	67	141	---
TOTAL	1044	1084	1206	1132	839	1017	1160	1851	5304	6069	2366	1756
MEAN	33.7	36.1	38.9	36.5	30.0	32.8	38.7	59.7	177	196	76.3	58.5
AC-FT	2070	2150	2390	2250	1660	2020	2300	3670	10520	12040	4690	3480
MAX	46	40	50	58	30	36	56	169	500	398	141	110
MIN	31	31	35	29	29	30	32	36	53	62	59	32

CAL YR 1992 TOTAL 23168 MEAN 63.3 MAX 402 MIN 23 AC-FT 45950
WTR YR 1993 TOTAL 24828 MEAN 68.0 MAX 500 MIN 29 AC-FT 49250

MAX DISCH 660 CFS AT 2330 03-JUN-1993 GH 2.09 FT. SHIFT 0.03 FT. MAX GH 2.09 FT. AT 2330 03-JUN-1993



PLATTE RIVER BASIN

06709610 SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR, CO

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

DRAINAGE AREA.--3,018 mi².

GAGE.--Stevens A-70 Graphic water-stage recorder with satellite telemetry.

REMARKS.--Flow past the gaging station is controlled by releases from Chatfield Dam approximately 500' upstream. Record is complete, reliable and good. The satellite record is the primary record with the recorder chart as back-up. Station maintained and records developed by Rodger L. Burcher.

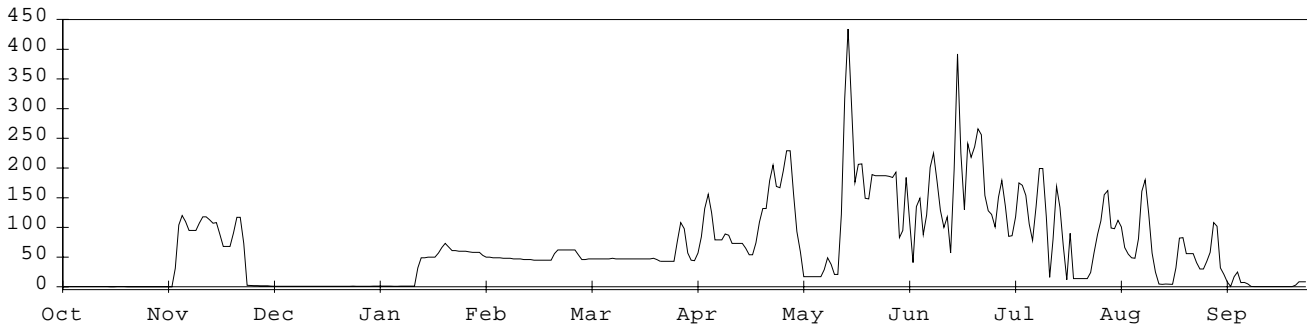
RATING TABLE.--PLACHACO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.58	0.18	1.4	1.2	53	54	98	229	184	101	111	43
2	0.56	0.20	1.1	1.2	50	46	57	229	193	151	155	58
3	0.51	31	0.98	1.2	50	46	45	157	83	179	162	108
4	0.48	104	0.98	1.2	49	47	44	93	95	136	99	102
5	0.48	120	0.97	1.2	49	47	57	59	184	85	98	32
6	0.46	110	0.95	1.1	49	47	84	17	109	86	112	21
7	0.45	95	0.95	1.1	48	47	132	17	41	118	101	8.2
8	0.36	95	1.0	1.2	48	47	156	17	135	175	66	0.67
9	0.42	95	1.0	1.4	48	47	125	17	149	171	55	17
10	0.39	107	1.0	1.4	47	47	79	17	88	154	49	25
11	0.38	118	0.99	1.2	47	48	79	17	121	106	48	7.3
12	0.37	118	1.0	1.2	47	47	79	29	201	78	81	7.4
13	0.35	113	1.0	32	46	47	89	49	225	135	161	5.0
14	0.38	107	1.0	49	46	47	87	38	178	199	180	0.68
15	0.30	108	1.0	49	46	47	73	21	129	199	123	0.56
16	0.30	89	1.1	50	45	47	73	21	100	118	57	0.56
17	0.32	68	1.1	50	45	47	73	122	118	16	25	0.47
18	0.35	68	1.0	50	45	47	73	317	57	80	4.9	0.49
19	0.34	68	1.0	57	45	47	65	434	198	169	4.3	0.45
20	0.30	91	1.0	66	45	47	54	304	392	134	4.8	0.43
21	0.29	117	1.0	73	45	47	54	176	225	69	4.4	0.37
22	0.28	117	1.0	67	56	47	74	206	130	12	4.3	0.38
23	0.29	73	1.1	61	62	48	109	207	241	90	32	0.38
24	0.29	2.4	1.1	61	62	46	132	149	218	14	82	0.38
25	0.29	2.3	1.2	60	62	43	132	148	236	14	83	0.40
26	0.29	2.1	1.1	60	62	43	179	189	266	14	56	0.44
27	0.20	2.0	1.1	60	62	43	205	187	256	14	56	2.9
28	0.20	1.9	1.1	59	62	43	169	187	154	14	56	8.5
29	0.20	1.9	1.1	58	---	43	167	187	128	24	41	8.5
30	0.18	1.7	1.1	58	---	77	195	187	122	57	30	8.5
31	0.29	---	1.2	58	---	108	---	186	---	88	30	---
TOTAL	10.85	2026.69	32.62	1092.6	1421	1534	3038	4213	4956	3000	2171.7	468.95
MEAN	0.35	67.6	1.05	35.2	50.8	49.5	101	136	165	96.8	70.1	15.6
AC-FT	22	4020	65	2170	2820	3040	6030	8360	9830	5950	4310	930
MAX	0.58	120	1.4	73	62	108	205	434	392	199	180	108
MIN	0.18	0.18	0.95	1.1	45	43	44	17	41	12	4.3	0.37

CAL YR 1992 TOTAL 27257.74 MEAN 74.5 MAX 391 MIN 0.18 AC-FT 54070
WTR YR 1993 TOTAL 23965.41 MEAN 65.7 MAX 434 MIN 0.18 AC-FT 47540

MAX DISCH 467 CFS AT 1245 23-JUL-1993 GH 3.04 FT. SHIFT 0.01 FT. MAX GH 3.05 FT. AT 1400 19-MAY-1993



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 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,780.43 ft above National Geodetic Vertical Datum of 1929. See WSP 1710 or 1730 for history of changes prior to Oct. 1, 1934. Oct. 1, 1934, to Oct. 10, 1961, water-stage recorder at site 80 ft downstream at present datum.

REMARKS.--The record is complete and reliable with the exception of the period of no record caused by frozen stilling well and control, Dec. 2, 1992-Mar. 3, 1993, which is considered poor. The stage-discharge relation was affected by ice on October 31; Nov. 1-2, 9-10, 12-30; Dec. 1-2, 1992. The satellite record is the primary record. Chart values were used for Oct. 5, 8, 15, 24-30; Nov. 4-8, 11, 1992; Mar. 6, 16-17, 29-31; Apr. 6, 8, 12, 16, 22-26; May 5, 18, 22-23; June 17, 21; July 20; Aug. 1-2, 9, 1993. Station maintained and records developed by Rodger L. Burcher.

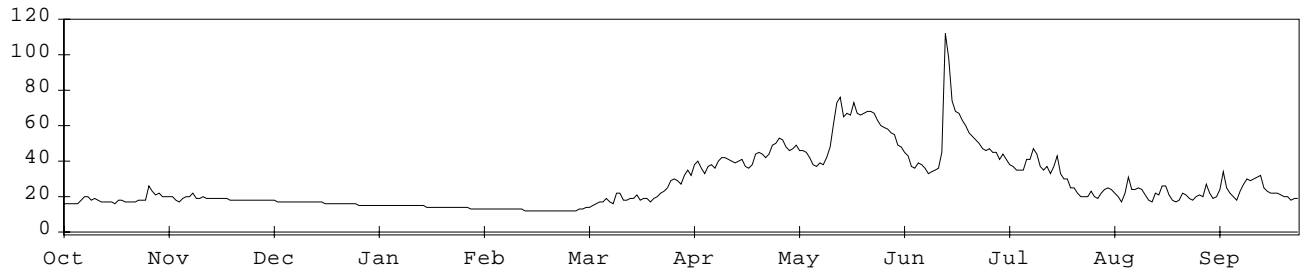
RATING TABLE.--BCRMORCO18 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	20	18	15	13	12	27	52	58	47	20	21
2	16	20	18	15	13	13	32	48	56	45	19	20
3	16	18	17	15	13	13	35	46	55	45	22	27
4	16	17	17	15	13	14	32	47	49	41	24	22
5	16	19	17	15	13	14	38	49	48	44	25	19
6	18	20	17	15	13	15	40	46	45	41	24	20
7	20	20	17	15	13	16	36	46	43	38	22	24
8	20	22	17	15	13	17	33	45	37	37	20	34
9	18	19	17	15	13	17	37	42	36	35	17	25
10	19	19	17	15	13	19	38	38	39	35	22	22
11	18	20	17	15	13	17	36	37	38	35	31	20
12	17	19	17	15	13	16	40	39	36	41	24	18
13	17	19	17	15	13	22	42	38	33	41	24	23
14	17	19	17	15	12	22	42	42	34	47	25	27
15	17	19	17	15	12	18	41	48	35	44	24	30
16	16	19	17	14	12	18	40	61	36	37	21	29
17	18	19	16	14	12	19	39	73	45	35	18	30
18	18	19	16	14	12	19	40	76	112	37	17	31
19	17	18	16	14	12	21	41	65	98	33	22	32
20	17	18	16	14	12	18	37	67	74	37	21	25
21	17	18	16	14	12	19	36	66	68	43	26	23
22	17	18	16	14	12	19	38	73	67	33	26	22
23	18	18	16	14	12	17	44	67	63	30	21	22
24	18	18	16	14	12	19	45	66	60	30	18	22
25	18	18	16	14	12	20	44	67	56	25	17	21
26	26	18	16	14	12	22	42	68	54	25	18	20
27	23	18	15	14	12	23	44	68	52	22	22	20
28	21	18	15	14	12	25	49	67	50	20	21	18
29	22	18	15	13	---	29	50	63	47	20	19	19
30	20	18	15	13	---	30	53	60	46	20	18	19
31	20	---	15	13	---	29	---	59	---	23	20	---
TOTAL	567	563	509	446	349	592	1191	1729	1570	1086	668	705
MEAN	18.3	18.8	16.4	14.4	12.5	19.1	39.7	55.8	52.3	35.0	21.5	23.5
AC-FT	1120	1120	1010	885	692	1170	2360	3430	3110	2150	1320	1400
MAX	26	22	18	15	13	30	53	76	112	47	31	34
MIN	16	17	15	13	12	12	27	37	33	20	17	18

CAL YR 1992 TOTAL 12952 MEAN 35.4 MAX 104 MIN 12 AC-FT 25690
WTR YR 1993 TOTAL 9975 MEAN 27.3 MAX 112 MIN 12 AC-FT 19790

MAX DISCH 136 CFS AT 1000 18-JUN-1993 GH 4.89 FT. SHIFT -0.09 FT. MAX GH 4.89 FT. AT 1000 18-JUN-1993



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, Elevation of gage is 5,295 ft above National Geodetic Vertical Datum of 1929, from topographic map. See WSP 1710 or 1730 for history of changes prior to Oct. 9, 1953. Oct. 9, 1953, to Aug. 6, 1969, water-stage recorder at present site at datum 1.0 ft, higher.

REMARKS.--The record is complete and reliable. The stage-discharge relation was affected by ice on Nov. 26-28, 30; Dec. 6-8, 18-27, 1992; Jan. 4-7, 9-16; Feb. 16-19, 1993. The satellite record is the primary record. Due to incomplete DCP transmissions, the following chart values were used: Oct. 26, 28-29; Nov. 2-3, 6, 11-12, 19, 23-25; Dec. 9-11, 17, 29-31, 1992; Jan. 8, 20, 22, 28; Feb. 9, 11-12, 24; Mar. 6, 10-11, 30; Apr. 2, 12, 14, 22-26; May 5-6, 14, 17, 25; Jun. 4, 9, 18, 21-22, 24; Jul. 14, 1993. Record is good except for periods of ice affect and periods of incomplete DCP transmission which are fair. Station maintained and records developed by Rodger L. Burcher.

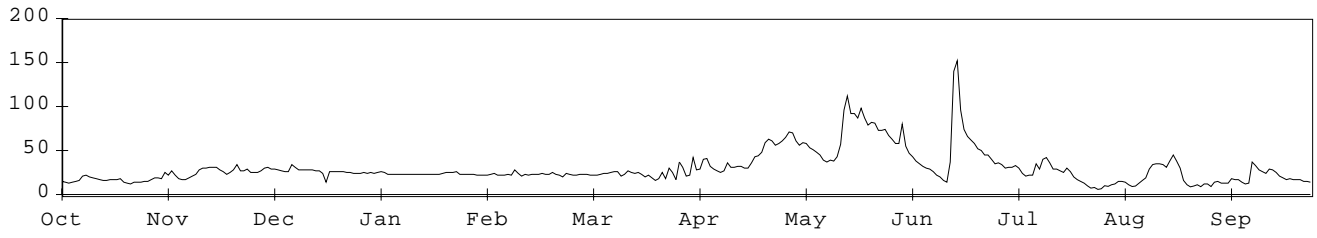
RATING TABLE.--BCRSHECO31 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	22	29	25	22	23	21	71	58	36	10	9.1
2	14	27	29	26	22	23	22	70	58	34	9.3	14
3	13	22	28	25	23	23	42	61	80	30	11	15
4	14	18	27	23	24	22	28	56	55	31	12	13
5	15	17	26	23	22	22	29	59	47	31	15	13
6	16	17	26	23	22	22	40	58	43	33	15	13
7	21	19	34	23	22	23	41	53	38	30	14	18
8	22	21	31	23	23	24	32	51	35	24	11	17
9	20	23	28	23	22	24	29	48	32	21	9.1	17
10	19	28	28	23	28	25	27	45	30	22	9.8	14
11	18	30	28	23	24	26	25	39	29	22	13	12
12	17	30	28	23	21	26	27	37	26	35	16	13
13	16	31	28	23	23	21	36	39	22	29	19	37
14	16	31	27	23	22	23	31	38	20	40	29	33
15	17	31	27	23	23	27	31	43	16	42	34	28
16	17	28	24	23	23	25	32	57	14	36	35	26
17	17	26	14	23	23	24	32	96	37	29	35	24
18	18	23	26	23	24	25	30	112	140	29	34	29
19	14	25	26	23	23	23	30	92	152	27	31	28
20	13	28	26	24	23	20	36	92	96	25	38	25
21	12	34	26	25	25	22	43	87	74	30	45	21
22	14	27	26	25	23	19	44	98	66	26	38	19
23	14	27	25	25	22	16	48	87	62	20	30	17
24	14	29	25	26	20	18	59	79	58	17	16	18
25	15	25	24	23	24	25	63	82	52	15	11	17
26	15	25	24	23	23	18	61	81	50	13	8.8	17
27	17	25	24	23	22	30	56	73	45	9.9	9.8	17
28	19	27	25	23	22	25	58	73	45	7.4	11	15
29	19	30	24	23	---	17	61	74	40	8.0	8.9	15
30	18	31	25	22	---	37	65	67	35	5.9	12	14
31	25	---	24	22	---	31	---	63	---	6.5	12	---
TOTAL	514	777	812	728	640	729	1179	2081	1555	764.7	602.7	568.1
MEAN	16.6	25.9	26.2	23.5	22.9	23.5	39.3	67.1	51.8	24.7	19.4	18.9
AC-FT	1020	1540	1610	1440	1270	1450	2340	4130	3080	1520	1200	1130
MAX	25	34	34	26	28	37	65	112	152	42	45	37
MIN	12	17	14	22	20	16	21	37	14	5.9	8.8	9.1

CAL YR 1992 TOTAL 14748.0 MEAN 40.3 MAX 296 MIN 8.5 AC-FT 29250
WTR YR 1993 TOTAL 10950.5 MEAN 30.0 MAX 152 MIN 5.9 AC-FT 21720

MAX DISCH 375 CFS AT 1600 22-MAY-1993 GH 4.08 FT. SHIFT -0.03 FT. MAX GH 4.08 FT. AT 1600
22-MAY-1993



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 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,157.64 ft above National Geodetic Vertical Datum, adjustment of 1960, Prior to Aug. 12, 1909, non-recording gages, and Aug. 12, 1909, to Aug. 28, 1931, water-stage recorder, at several sites within 0.5 mi of present site at various datums. Aug. 29, 1931, to June 28, 1965, water-stage recorder at site 70 ft downstream at datum 3.66 ft, lower, June 29, 1965, to Mar. 18, 1966, water-stage recorder at site 70 ft downstream at present datum.

REMARKS.--The record is complete and reliable. The satellite record is the primary record. Due to incomplete DCP transmissions the following chart values were used: Oct. 5, 9, 13-15, 19-20, 23, 26-30; Nov. 1-6, 9-13, 15-20, 23, 25, 30; Dec. 1-3, 1992; Jan. 6-8, 10-15, 18-23, 28-29; Mar. 13-21; Apr. 5, 14-23, 25-27; May 5, 11, 14, 21, 24-25; Jun. 4, 7, 15, 22-24, 28; Jul. 8, 19; Aug. 18; Sep. 16-17, 20, 1993. Station maintained and records developed by Rodger L. Burcher.

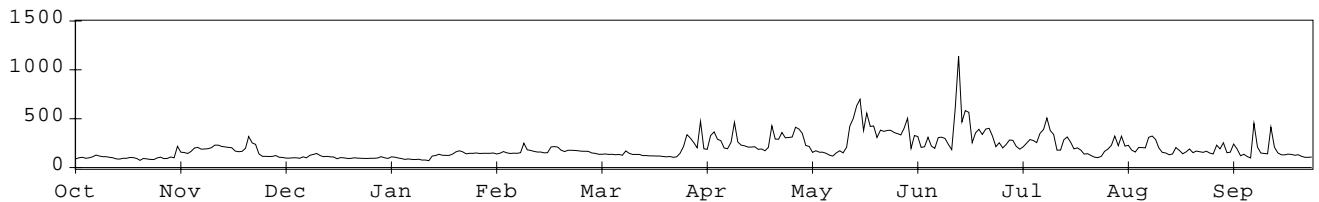
RATING TABLE.--PLADENCO29 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	158	103	95	149	166	258	413	335	201	191	140
2	100	155	98	111	140	149	203	395	405	237	229	231
3	106	144	98	107	148	146	474	351	505	283	323	192
4	97	166	101	99	165	137	192	227	197	279	225	255
5	100	200	101	93	152	137	188	217	329	219	322	153
6	111	207	97	84	144	140	328	157	319	189	220	158
7	129	189	110	90	148	134	366	172	207	212	228	241
8	118	191	100	84	147	137	290	159	214	248	179	193
9	112	194	128	83	154	132	275	158	310	288	160	122
10	112	203	134	86	250	135	200	147	220	278	205	136
11	106	231	144	78	182	128	195	128	197	257	205	113
12	101	231	124	78	176	170	259	119	306	351	201	99
13	90	217	112	71	166	147	465	151	311	391	310	453
14	88	212	115	118	160	134	263	172	299	506	323	210
15	96	207	111	124	160	134	231	151	238	379	289	150
16	97	203	109	137	152	134	224	209	185	340	200	144
17	103	169	91	127	154	124	210	423	608	179	156	142
18	102	163	102	126	212	124	210	504	1140	179	149	415
19	94	166	101	126	215	121	214	633	469	286	133	209
20	74	197	94	138	210	121	188	699	583	314	140	152
21	94	318	95	161	177	118	191	379	566	262	205	132
22	90	253	100	172	165	118	172	557	256	192	177	131
23	84	238	98	161	178	114	207	421	357	201	141	138
24	82	142	96	141	177	111	428	427	392	179	161	134
25	99	116	95	146	175	114	293	309	340	138	191	127
26	107	115	95	147	172	105	290	384	395	143	153	133
27	92	113	96	149	167	111	359	370	402	123	169	116
28	94	115	96	144	167	146	305	380	322	107	164	105
29	109	124	99	147	---	217	308	382	216	102	156	105
30	100	105	112	147	---	337	313	359	254	116	167	109
31	219	---	101	146	---	304	---	348	---	166	148	---
TOTAL	3196	5442	3256	3716	4762	4545	8099	9901	10877	7345	6220	5138
MEAN	103	181	105	120	170	147	270	319	363	237	201	171
AC-FT	6340	10790	6460	7370	9450	9020	16060	19640	21570	14570	12340	10190
MAX	219	318	144	172	250	337	474	699	1140	506	323	453
MIN	74	105	91	71	140	105	172	119	185	102	133	99

CAL YR 1992 TOTAL 88446 MEAN 242 MAX 3300 MIN 74 AC-FT 175400
WTR YR 1993 TOTAL 72497 MEAN 199 MAX 1140 MIN 71 AC-FT 143800

MAX DISCH 2716 CFS AT 0100 18-JUN-1993 GH 6.33 FT. SHIFT -0.03 FT. MAX GH 6.33 FT. AT 0100 18-JUN-1993



PLATTE RIVER BASIN

06720000 CLEAR CREEK AT DERBY, CO

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

DRAINAGE AREA.--575 mi².

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

REMARKS.--The record is complete and reliable except for the days of missing winter record when the control and/or well were frozen. Days of missing record are: Jan. 7-Mar. 17, 1993. The stage-discharge relation was affected by ice on Jan. 4-6, 1993. The satellite record is the primary record. Chart values were used on Apr. 10, 25; May 21, 24; June 14, 21, 23; July 7, 11, 14-15, 22, 1993. Station maintained and records developed by Rodger L. Burcher.

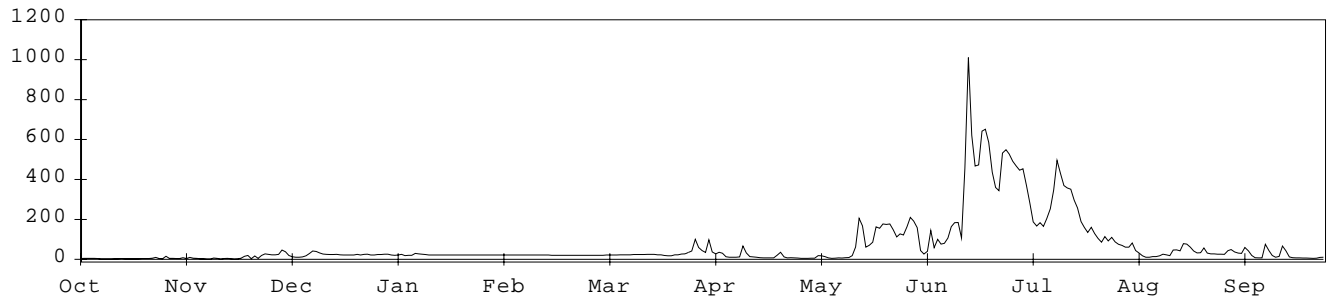
RATING TABLE.--CLEDERCO33 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	4.5	20	21	22	21	45	5.4	210	491	76	25
2	5.0	10	13	22	22	21	35	5.4	192	467	70	44
3	5.5	6.2	11	25	22	21	98	6.7	159	446	61	49
4	4.8	5.0	11	19	22	22	37	6.1	45	454	61	37
5	4.8	4.3	12	21	22	22	28	19	27	370	82	32
6	4.4	3.5	18	21	22	22	36	18	41	282	45	30
7	3.3	2.3	29	30	22	22	31	14	145	188	32	60
8	3.2	2.1	42	28	22	23	13	7.6	59	167	18	43
9	3.2	6.9	40	26	22	23	11	5.5	101	184	11	20
10	3.0	5.6	33	24	22	23	11	6.0	77	165	11	8.5
11	3.8	2.0	27	22	22	23	11	8.0	81	205	14	7.9
12	3.4	4.5	25	22	22	24	12	7.1	107	254	14	7.7
13	4.5	5.6	24	22	22	24	67	8.9	164	347	18	76
14	3.8	3.9	24	22	22	24	33	9.2	184	495	26	45
15	4.0	2.0	25	22	22	24	14	19	185	429	23	20
16	4.0	3.2	23	22	21	25	12	62	107	370	19	11
17	4.2	6.4	22	22	21	25	11	206	455	358	47	15
18	4.3	16	22	22	21	25	8.8	168	1010	351	48	67
19	4.7	20	22	22	21	23	7.7	61	621	297	43	44
20	4.5	4.1	22	22	21	23	7.4	71	467	257	79	12
21	4.6	17	25	22	21	20	7.3	86	473	189	77	8.7
22	5.8	5.2	22	22	21	18	7.7	163	642	160	61	7.7
23	10	20	25	22	21	18	21	156	652	135	42	7.6
24	4.5	28	26	22	21	23	36	177	586	161	33	7.0
25	4.2	25	22	22	21	23	12	175	437	129	34	7.0
26	16	23	22	22	21	27	7.5	177	360	105	58	6.7
27	5.2	23	24	22	21	28	8.6	149	344	86	32	5.4
28	5.1	25	24	22	21	35	7.8	113	532	114	28	6.1
29	4.6	47	26	22	---	42	7.1	128	549	93	28	10
30	4.5	38	26	22	---	101	5.1	122	527	110	26	11
31	8.2	---	22	22	---	60	---	163	---	88	26	---
TOTAL	155.7	369.3	729	699	603	855	649.0	2322.9	9539	7947	1243	731.3
MEAN	5.02	12.3	23.5	22.5	21.5	27.6	21.6	74.9	318	256	40.1	24.4
AC-FT	309	733	1450	1390	1200	1700	1290	4610	18920	15760	2470	1450
MAX	16	47	42	30	22	101	98	206	1010	495	82	76
MIN	3.0	2.0	11	19	21	18	5.1	5.4	27	86	11	5.4

CAL YR 1992 TOTAL 17056.4 MEAN 46.6 MAX 538 MIN 2.0 AC-FT 33830
WTR YR 1993 TOTAL 25843.2 MEAN 70.8 MAX 1010 MIN 2.0 AC-FT 51260

MAX DISCH 1591 CFS AT 0100 18-JUN-1993 GH 3.57 FT. SHIFT 0.13 FT. MAX GH 3.57 FT. AT 0100
18-JUN-1993



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 mi².

GAGE --Water-stage recorder with satellite telemetry. Datum of gage is 5,003.12 ft above National Geodetic Vertical Datum of 1929. See WSP 1710 or 1730 for history of changes prior to June 1, 1960. June 1, 1960, to May 10, 1969, water-stage recorder at site 1,200 ft upstream at datum 2.00 ft, higher. May 11 to Oct. 2, 1969, non-recording gage at site 500 ft downstream at present datum.

REMARKS --The satellite record is the primary record. Record is complete and reliable. Chart values were entered into the satellite record for Oct. 2, 6-8, 14-16, 25-31; Nov. 1, 6, 8-9, 12-13, 20-21, 23-25, 30; Dec. 1, 3-4, 8-9, 14-15, 1992; Apr. 2, 5, 13-16, 20, 22-23, 25-26, 28-29; May 5-6, 11, 13, 19; June 8-12, 19, 21-24, 29; July 8-9, 20-21, 27, 1993. Station maintained and records developed by Rodger L. Burcher.

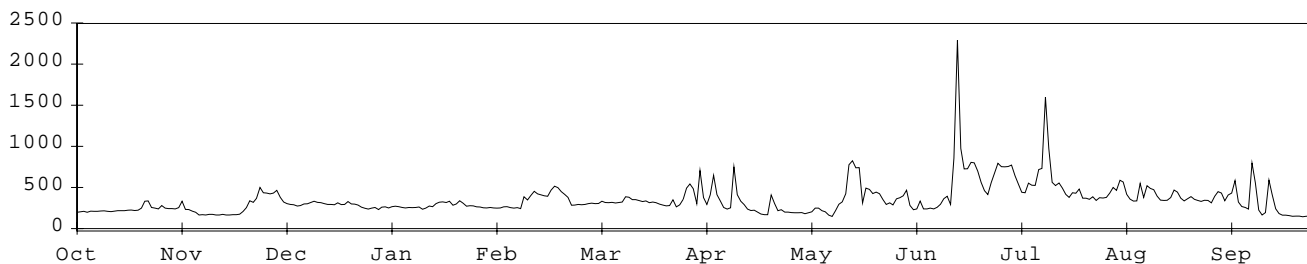
RATING TABLE --PLAHENCO27 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	335	324	253	253	304	484	193	376	754	380	314
2	206	234	304	267	250	311	303	193	400	752	433	394
3	210	232	296	272	253	305	707	196	467	755	502	450
4	199	213	291	267	266	306	378	182	284	774	466	433
5	213	199	276	259	267	335	295	193	231	644	589	340
6	211	166	281	252	256	319	412	206	240	541	567	409
7	211	170	300	259	251	316	648	249	336	443	418	434
8	216	166	302	255	255	321	413	251	240	436	359	585
9	217	175	318	258	245	312	335	219	240	554	336	324
10	211	173	335	264	389	318	257	204	250	528	338	270
11	207	167	321	237	349	324	238	164	240	527	549	257
12	214	166	316	251	402	389	254	149	260	718	381	239
13	218	175	303	276	453	382	752	220	297	732	522	799
14	220	166	296	268	423	353	414	297	366	1600	490	557
15	220	166	296	304	411	353	335	327	393	976	474	228
16	225	171	291	322	400	342	292	426	296	564	397	167
17	226	170	315	327	393	329	239	777	856	524	347	195
18	222	177	292	317	467	337	221	827	2290	555	343	591
19	225	209	296	334	517	316	224	740	976	494	345	415
20	250	255	330	285	498	324	202	741	726	417	378	243
21	334	340	300	301	450	316	178	313	729	381	470	185
22	338	321	299	340	417	299	171	494	807	436	444	164
23	259	369	288	311	381	286	171	478	800	432	370	164
24	251	500	261	274	285	278	410	427	699	481	338	160
25	240	436	248	279	286	282	307	444	563	371	365	152
26	280	433	239	278	294	351	220	424	461	371	390	153
27	250	423	250	266	291	265	231	354	415	358	357	153
28	245	433	259	264	295	289	202	295	559	389	343	145
29	245	466	232	254	---	356	202	314	683	343	331	152
30	240	381	262	252	---	494	197	290	794	377	345	154
31	255	---	266	259	---	543	---	364	---	373	343	---
TOTAL	7257	7987	8987	8605	9697	10355	9692	10951	16274	17600	12710	9226
MEAN	234	266	290	278	346	334	323	353	542	568	410	308
AC-FT	14390	15840	17830	17070	19230	20540	19220	21720	32280	34910	25210	18300
MAX	338	500	335	340	517	543	752	827	2290	1600	589	799
MIN	199	166	232	237	245	265	171	149	231	343	331	145

CAL YR 1992 TOTAL 149705 MEAN 409 MAX 5330 MIN 166 AC-FT 296900
WTR YR 1993 TOTAL 129341 MEAN 354 MAX 2290 MIN 145 AC-FT 256500

MAX DISCH 4257 CFS AT 0400 18-JUN-1993 GH 6.88 FT. SHIFT -0.22 FT. MAX GH 6.88 FT. AT 0400 18-JUN-1993



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 except for July 1-21; Aug. 1-10, 22-25, 1993 at which times the manometer malfunctioned. The satellite record is the primary record. Chart values were used on Oct. 25, 27-28; Nov. 3, 5-10, 18-19, 25-30; Dec. 1, 8-10, 23, 29-30, 1992; Jan. 10, 14-17, 19-21, 25-26, 29-30; Feb. 1, 9-12, 24, 26-28; Mar. 1-2, 6-8, 12, 14-15, 28, 30; Apr. 4, 17, 19-22, 26; May 3, 5-14; June 2-10, 16, 19, 21-25, 27-30; July 23, 26-27; Sep. 28, 1993. Station maintained and records developed by Rodger L. Burcher.

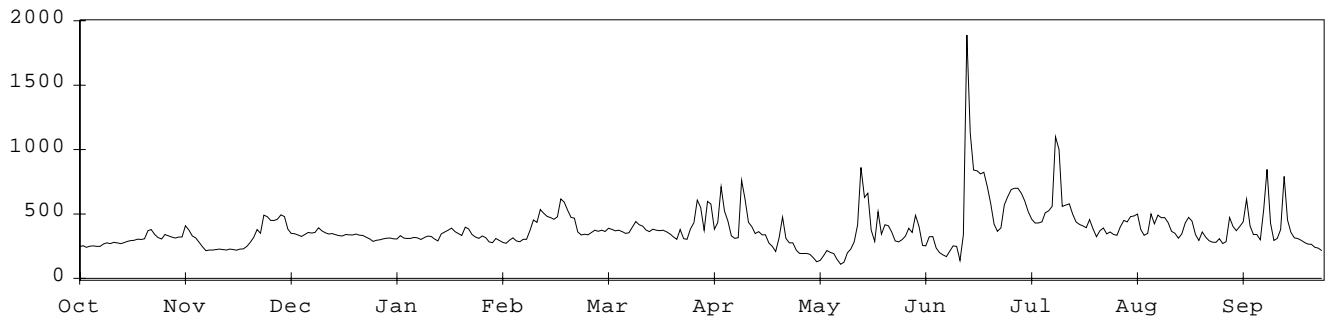
RATING TABLE.--PLALUPCO21 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	247	410	384	308	295	375	552	194	389	690	335	272
2	254	377	350	307	281	366	375	195	357	700	400	285
3	242	330	347	332	273	374	598	187	490	700	450	473
4	251	315	337	314	298	365	578	162	403	660	440	404
5	253	282	326	310	315	389	382	130	257	600	480	371
6	249	245	342	312	291	381	434	140	253	520	485	404
7	249	216	357	319	285	370	711	176	324	460	500	440
8	268	221	352	315	304	375	524	217	325	430	380	616
9	276	221	357	302	304	363	443	202	237	430	335	407
10	271	225	393	317	375	350	331	194	200	440	350	341
11	280	228	370	329	455	355	312	147	184	510	500	341
12	277	224	354	327	436	398	316	110	170	525	425	301
13	270	221	345	306	535	441	762	127	212	560	492	534
14	278	228	349	291	507	417	619	198	253	1100	472	847
15	287	225	340	346	482	407	436	229	249	1000	473	428
16	294	220	333	361	473	376	402	285	140	560	433	295
17	297	228	330	375	459	364	348	415	338	570	366	311
18	305	229	341	391	479	382	364	862	1890	580	351	380
19	302	249	339	364	617	374	339	629	1130	500	313	792
20	308	281	338	348	594	371	339	661	842	440	345	454
21	371	318	345	334	528	375	274	374	836	420	432	358
22	380	380	336	399	475	362	249	288	812	408	475	315
23	341	351	334	385	468	346	210	517	824	395	445	310
24	318	491	320	341	361	323	314	344	711	457	340	296
25	307	480	308	321	338	304	477	417	581	384	295	279
26	341	450	287	312	343	380	312	410	422	324	361	267
27	331	450	296	330	339	309	276	361	366	370	320	266
28	321	460	301	316	357	304	276	292	393	392	293	241
29	314	494	308	284	---	383	219	284	571	346	282	236
30	321	480	313	278	---	433	195	301	634	361	280	215
31	322	---	314	310	---	608	---	328	---	341	309	---
TOTAL	9125	9529	10446	10184	11267	11720	11967	9376	14793	16173	12157	11479
MEAN	294	318	337	329	402	378	399	302	493	522	392	383
AC-FT	18100	18900	20720	20200	22350	23250	23740	18600	29340	32080	24110	22770
MAX	380	494	393	399	617	608	762	862	1890	1100	500	847
MIN	242	216	287	278	273	304	195	110	140	324	280	215

CAL YR 1992 TOTAL	170387	MEAN	466	MAX	4340	MIN	216	AC-FT	338000
WTR YR 1993 TOTAL	138216	MEAN	379	MAX	1890	MIN	110	AC-FT	274200

MAX DISCH 2402 CFS AT 0930 18-JUN-1993 GH 4.72 FT. SHIFT 0.26 FT. MAX GH 4.72 FT. AT 0930 18-JUN-1993



PLATTE RIVER BASIN

SOUTH ST. VRAIN NEAR CREEK WARD, CO

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

DRAINAGE AREA.--

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

REMARKS.--Record is complete and reliable except for the following periods: Nov. 3-14, 1992 when well was frozen; Nov. 15, 1992-May 10, 1993 when station was closed for the winter. The stage-discharge relation was affected by ice on the control on Nov. 2, 1992. Graphic chart record was used on Oct. 1-5, 7, 18, 24-25, 1992; May 21-31; June 1, 9, 14-16, 18, 20-22, 29-30; July 5, 7, 12, 19, 21-26; Aug. 12; Sept. 2, 1993. Record is good, except for period of no gage-height record and ice affected day, which is fair. Daily discharges above 170 cfs are also considered fair until verified by field measurements. Station maintained and record developed by Fred Renner.

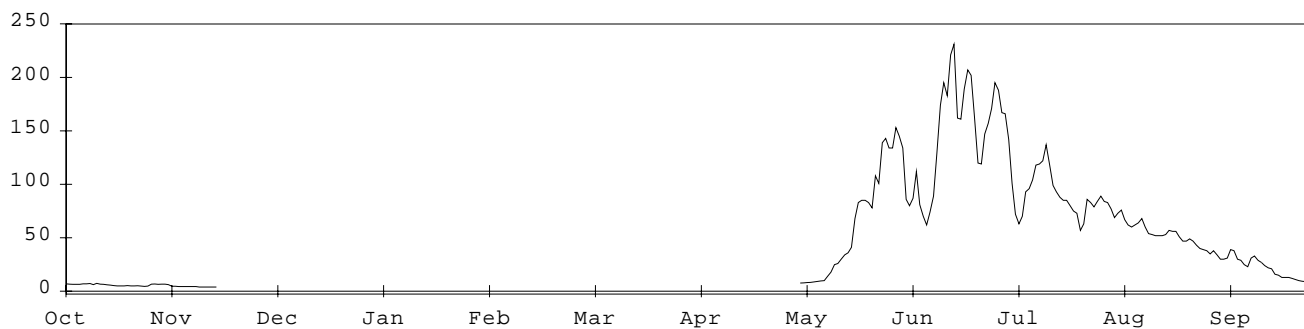
RATING TABLE.--SSVWARCO09 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	4.7	---	---	---	---	---	---	153	188	84	35
2	6.7	4.7	---	---	---	---	---	---	145	167	83	38
3	6.5	4.5	---	---	---	---	---	---	134	166	77	34
4	6.5	4.5	---	---	---	---	---	7.7	86	142	69	30
5	6.5	4.5	---	---	---	---	---	7.9	80	101	73	30
6	7.0	4.5	---	---	---	---	---	8.2	87	72	76	31
7	7.0	4.5	---	---	---	---	---	8.4	112	63	67	39
8	7.3	4.5	---	---	---	---	---	8.8	81	70	62	38
9	6.2	4.0	---	---	---	---	---	9.3	70	93	60	30
10	7.4	4.0	---	---	---	---	---	9.7	62	96	62	29
11	6.6	4.0	---	---	---	---	---	10	74	104	64	25
12	6.5	4.0	---	---	---	---	---	14	89	118	68	23
13	6.1	4.0	---	---	---	---	---	18	129	119	60	31
14	5.7	4.0	---	---	---	---	---	25	174	122	54	33
15	5.3	---	---	---	---	---	---	26	195	137	53	29
16	5.1	---	---	---	---	---	---	30	183	118	52	27
17	5.1	---	---	---	---	---	---	34	221	99	52	24
18	5.0	---	---	---	---	---	---	36	231	93	52	22
19	5.3	---	---	---	---	---	---	41	162	88	53	21
20	5.1	---	---	---	---	---	---	68	161	85	57	16
21	5.0	---	---	---	---	---	---	83	189	85	56	15
22	5.2	---	---	---	---	---	---	85	207	80	56	13
23	4.8	---	---	---	---	---	---	85	202	75	51	13
24	4.6	---	---	---	---	---	---	83	163	73	47	13
25	4.8	---	---	---	---	---	---	78	120	57	47	12
26	6.7	---	---	---	---	---	---	108	119	63	49	11
27	6.9	---	---	---	---	---	---	101	147	86	47	10
28	6.5	---	---	---	---	---	---	139	157	83	43	9.4
29	6.6	---	---	---	---	---	---	143	171	79	40	9.1
30	6.7	---	---	---	---	---	---	134	195	84	39	9.2
31	6.2	---	---	---	---	---	---	134	---	89	38	---
TOTAL	187.9								4299	3095	1791	699.7
MEAN	6.06								143	99.8	57.8	23.3
AC-FT	373								8530	6140	3550	1390
MAX	7.4								231	188	84	39
MIN	4.6								62	57	38	9.1

CAL YR	1992	TOTAL	MEAN	MAX	MIN	AC-FT	0.00
WTR YR	1993	TOTAL	10072.6	MEAN	27.6	MAX	231
						MIN	4.6
						AC-FT	19980

MAX DISCH	273 CFS AT 0030	18-JUN-1993	GH	3.02 FT.	SHIFT	-0.05 FT.	MAX GH	3.02 FT.	AT 0030



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. Chart is the primary record.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 1-6, 1992 when ditch rider removed chart and recorder from shelter; Oct. 7, 1992-May 31, 1993 when station was not active; June 1, 1993 partial record when station was activated. The record is good, except for period of no gage-height record, which is fair. Station maintained and record developed by Fred Renner.

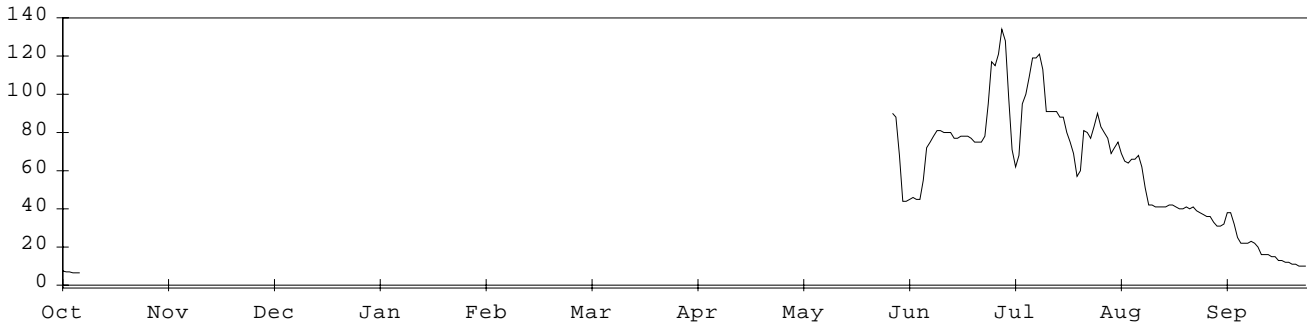
RATING TABLE.--LEFTHDCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	---	---	---	---	---	---	---	90	115	83	36
2	7.0	---	---	---	---	---	---	---	88	121	80	36
3	7.0	---	---	---	---	---	---	---	68	134	77	33
4	6.5	---	---	---	---	---	---	---	44	128	69	31
5	6.5	---	---	---	---	---	---	---	44	98	72	31
6	6.5	---	---	---	---	---	---	---	45	71	75	32
7	---	---	---	---	---	---	---	---	46	62	69	38
8	---	---	---	---	---	---	---	---	45	68	65	38
9	---	---	---	---	---	---	---	---	45	95	64	32
10	---	---	---	---	---	---	---	---	55	100	66	25
11	---	---	---	---	---	---	---	---	72	109	66	22
12	---	---	---	---	---	---	---	---	75	119	68	22
13	---	---	---	---	---	---	---	---	78	119	62	22
14	---	---	---	---	---	---	---	---	81	121	51	23
15	---	---	---	---	---	---	---	---	81	113	42	22
16	---	---	---	---	---	---	---	---	80	91	42	20
17	---	---	---	---	---	---	---	---	80	91	41	16
18	---	---	---	---	---	---	---	---	80	91	41	16
19	---	---	---	---	---	---	---	---	77	91	41	16
20	---	---	---	---	---	---	---	---	77	88	41	15
21	---	---	---	---	---	---	---	---	78	88	42	15
22	---	---	---	---	---	---	---	---	78	80	42	13
23	---	---	---	---	---	---	---	---	78	75	41	13
24	---	---	---	---	---	---	---	---	77	69	40	12
25	---	---	---	---	---	---	---	---	75	57	40	12
26	---	---	---	---	---	---	---	---	75	60	41	11
27	---	---	---	---	---	---	---	---	75	81	40	11
28	---	---	---	---	---	---	---	---	78	80	41	10
29	---	---	---	---	---	---	---	---	95	77	39	10
30	---	---	---	---	---	---	---	---	117	83	38	10
31	---	---	---	---	---	---	---	---	---	90	37	---
TOTAL									2177	2865	1656	643
MEAN									72.6	92.4	53.4	21.4
AC-FT									4320	5680	3280	1280
MAX									117	134	83	38
MIN									44	57	37	10

CAL YR 1992 TOTAL MEAN MAX MIN AC-FT 112300
WTR YR 1993 TOTAL 7341 MEAN 20.1 MAX 134 MIN 10 AC-FT 14560

MAX DISCH 138 CFS AT 2300 03-JUL-1993 GH 2.30 FT. SHIFT -0.01 FT. MAX GH 2.30 FT. AT 2300
03-JUL-1993



PLATTE RIVER BASIN

BEAVER CREEK ABOVE BEAVER RESERVOIR

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

DRAINAGE AREA.--

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

REMARKS.--Record is complete and reliable except for the following periods: Nov. 6-14, 1992 when float was frozen in well; Nov. 15, 1992-May 3, 1993 when station was closed for winter; Partial record on May 4, 1993 when station was opened; July 26-Aug. 20, 1993 when clock stopped. Station maintained and record developed by Fred Renner.

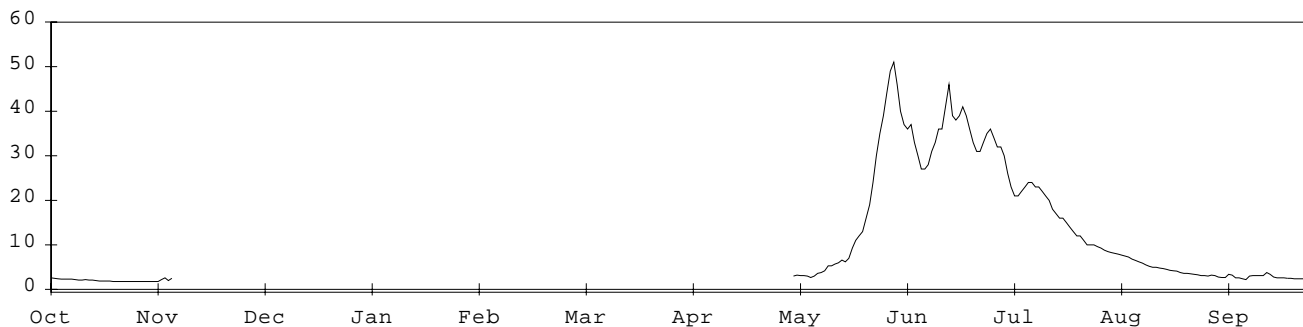
RATING TABLE.--BEAVERCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	1.8	---	---	---	---	---	---	49	34	9.3	3.0
2	2.5	2.2	---	---	---	---	---	---	51	32	8.8	3.2
3	2.4	2.6	---	---	---	---	---	---	46	32	8.5	3.1
4	2.3	2.0	---	---	---	---	---	3.0	40	30	8.3	2.8
5	2.3	2.5	---	---	---	---	---	3.2	37	26	8.1	2.7
6	2.3	---	---	---	---	---	---	3.1	36	23	7.9	2.7
7	2.3	---	---	---	---	---	---	3.1	37	21	7.7	3.4
8	2.2	---	---	---	---	---	---	3.0	33	21	7.5	3.2
9	2.1	---	---	---	---	---	---	2.7	30	22	7.3	2.6
10	2.1	---	---	---	---	---	---	3.0	27	23	6.8	2.6
11	2.2	---	---	---	---	---	---	3.6	27	24	6.5	2.4
12	2.1	---	---	---	---	---	---	3.8	28	24	6.2	2.2
13	2.1	---	---	---	---	---	---	4.2	31	23	5.9	3.0
14	2.0	---	---	---	---	---	---	5.3	33	23	5.5	3.1
15	1.9	---	---	---	---	---	---	5.3	36	22	5.2	3.1
16	1.9	---	---	---	---	---	---	5.7	36	21	5.0	3.1
17	1.9	---	---	---	---	---	---	6.0	41	20	5.0	3.1
18	1.9	---	---	---	---	---	---	6.6	46	18	4.8	3.8
19	1.8	---	---	---	---	---	---	6.2	39	17	4.7	3.4
20	1.8	---	---	---	---	---	---	7.0	38	16	4.5	2.8
21	1.8	---	---	---	---	---	---	9.3	39	16	4.3	2.6
22	1.8	---	---	---	---	---	---	11	41	15	4.2	2.6
23	1.8	---	---	---	---	---	---	12	39	14	4.1	2.6
24	1.8	---	---	---	---	---	---	13	36	13	3.8	2.5
25	1.8	---	---	---	---	---	---	16	33	12	3.6	2.5
26	1.8	---	---	---	---	---	---	19	31	12	3.6	2.4
27	1.8	---	---	---	---	---	---	24	31	11	3.5	2.4
28	1.8	---	---	---	---	---	---	30	33	10	3.4	2.4
29	1.8	---	---	---	---	---	---	35	35	10	3.3	2.4
30	1.8	---	---	---	---	---	---	39	36	10	3.1	2.2
31	1.8	---	---	---	---	---	---	44	---	9.6	3.1	---
TOTAL	62.5								1095	604.6	173.5	83.9
MEAN	2.02								36.5	19.5	5.60	2.80
AC-FT	124								2170	1200	344	166
MAX	2.6								51	34	9.3	3.8
MIN	1.8								27	9.6	3.1	2.2

CAL YR 1992 TOTAL MEAN MAX MIN AC-FT 964
WTR YR 1993 TOTAL 2019.5 MEAN 5.53 MAX 51 MIN 1.8 AC-FT 4010

MAX DISCH 52 CFS AT 0100 18-JUN-1993 GH 2.85 FT. SHIFT -0.05 FT. MAX GH 2.85 FT. AT 0100 18-JUN-1993



PLATTE RIVER BASIN

06724000 ST. VRAIN CREEK AT LYONS, CO

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

DRAINAGE AREA.--212 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,292 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Apr. 6, 1923, non-recording gages near present site at different datums. Apr. 6, 1923, to Sept. 30, 1956, water-stage recorder at same site at datum 1.00 ft, higher.

REMARKS.--Record is complete and reliable except for Feb. 12, 1993 when portion of DCP record and chart record was lost while doing repairs on DCP. Data collection platform used as primary record. Graphic chart used on Dec. 5, 8, 10, 14, 29, 1992; Jan. 10-11, 21; Feb. 5-17, 21-23; Mar. 2-6, 9-10; May 5, 27-31; Jun. 1-8, 16, 18; Jul. 16, 27, 1993. Record is good. Station maintained and records developed by Fred Renner.

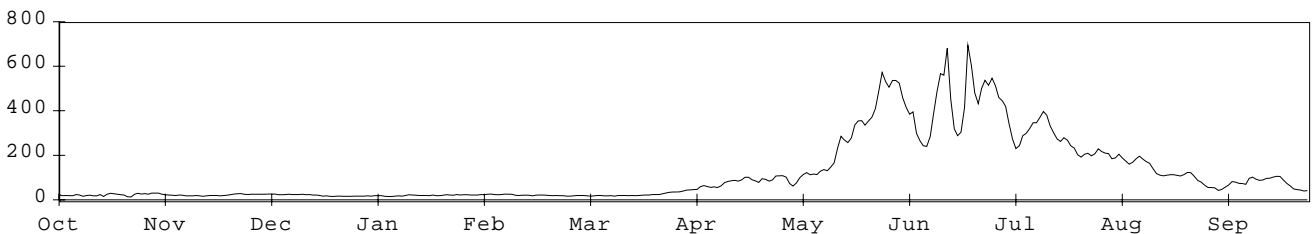
RATING TABLE.--SVCLYOCO20 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	23	26	19	24	20	40	102	536	513	217	55
2	19	22	26	19	23	20	44	73	536	460	210	55
3	20	21	26	19	25	20	45	62	524	445	208	54
4	19	20	23	16	26	18	46	75	458	420	185	43
5	19	22	23	15	24	17	47	100	416	343	188	47
6	24	21	24	15	23	18	59	114	385	273	205	57
7	22	18	25	17	24	20	64	122	395	231	188	66
8	16	18	24	18	26	20	60	113	298	243	175	82
9	20	18	24	17	25	18	56	116	266	288	160	80
10	21	20	24	20	25	18	58	114	243	298	168	74
11	18	18	25	23	21	19	55	129	240	320	184	73
12	18	16	23	22	20	17	63	136	285	346	196	70
13	24	18	24	21	21	20	77	131	389	346	183	96
14	15	20	22	20	21	20	83	147	486	370	172	102
15	25	20	22	20	21	20	86	166	567	397	164	93
16	29	20	20	20	18	19	88	233	560	380	140	88
17	27	18	17	19	21	20	84	285	681	333	118	89
18	25	20	18	22	22	19	89	269	452	301	111	96
19	23	21	16	19	22	20	101	257	319	273	108	97
20	22	23	15	19	21	21	101	278	288	262	111	102
21	14	26	17	21	20	22	91	336	304	279	113	106
22	13	27	17	23	19	22	86	354	414	268	113	105
23	25	28	16	22	20	24	78	356	694	243	110	89
24	29	25	16	21	19	24	95	336	603	232	107	73
25	26	24	16	24	19	24	92	354	480	203	114	63
26	28	25	17	22	17	27	84	371	432	192	123	49
27	25	25	17	23	17	31	89	410	501	205	122	46
28	30	25	17	23	18	34	107	488	537	209	106	44
29	30	25	17	22	---	35	108	572	515	198	87	40
30	30	25	18	22	---	35	109	531	546	207	80	42
31	25	---	17	22	---	36	---	506	---	229	66	---
TOTAL	704	652	632	625	602	698	2285	7636	13350	9307	4532	2176
MEAN	22.7	21.7	20.4	20.2	21.5	22.5	76.2	246	445	300	146	72.5
AC-FT	1400	1290	1250	1240	1190	1380	4530	15150	26480	18460	8990	4320
MAX	30	28	26	24	26	36	109	572	694	513	217	106
MIN	13	16	15	15	17	17	40	62	240	192	66	40

CAL YR 1992 TOTAL 34019 MEAN 92.9 MAX 530 MIN 11 AC-FT 67480
WTR YR 1993 TOTAL 43199 MEAN 118 MAX 694 MIN 13 AC-FT 85690

MAX DISCH 818 CFS AT 2300 17-JUN-1993 GH 4.95 FT. SHIFT -0.14 FT. MAX GH 4.95 FT. AT 2300 17-JUN-1993



PLATTE RIVER BASIN

06725500 MIDDLE BOULDER CREEK AT NEDERLAND, CO

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

DRAINAGE AREA.--36.2 mi².

GAGE.--Water-stage recorder and compound sharp-crested weir, Datum of gage is 8,186.0 ft, Public Service Co. datum. Prior to Mar. 18, 1909, at datum 4.0 ft, lower. Mar. 18, 1909, to Apr. 23, 1952, at datum 2.5 ft, lower than present datum.

REMARKS.--Record is complete and reliable except for the following period: January 12; Feb. 16; Mar. 23, 30-31, 1993 when clock stopped; Sep. 3-13 when inlet was partially blocked by sand. Stage-discharge relation affected by ice Nov. 11-12, 21-22; Dec. 20-22, 1992; Jan. 4-11, 13, 24-25; Feb. 13-15, 21-23, 1993. Record good except for periods of no gage-height record and ice affect which is fair. Station maintained by Public Service Co. of Co. and records developed by Fred Renner.

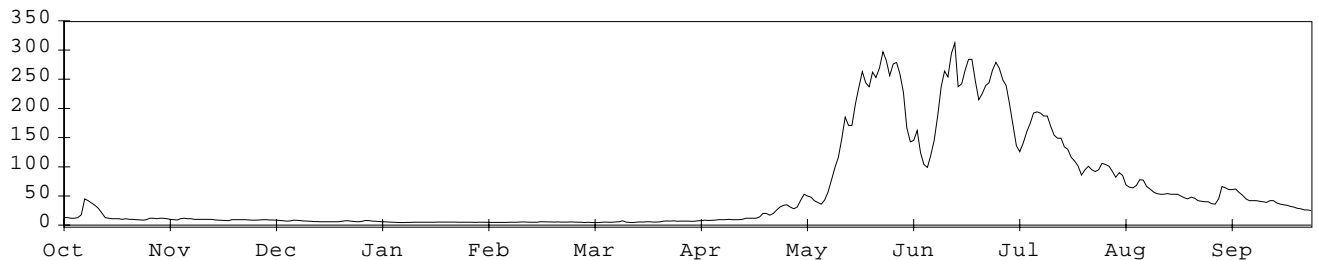
RATING TABLE.--BOCMIDCO07 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	10	8.9	6.2	4.9	4.9	7.1	31	279	269	104	37
2	13	9.3	8.5	5.7	4.7	4.5	6.5	28	259	249	101	36
3	12	8.9	8.1	5.5	4.7	5.1	6.8	31	227	239	92	45
4	12	11	7.5	5.3	4.7	4.5	7.5	43	167	208	82	66
5	13	12	7.1	5.0	4.7	4.5	7.9	53	143	171	90	64
6	18	11	7.2	4.7	4.7	4.5	8.5	50	145	136	85	61
7	45	11	8.5	4.5	4.8	4.9	8.1	48	162	126	69	61
8	42	10	8.3	4.5	4.9	5.3	8.3	42	124	141	65	62
9	38	10	7.9	4.7	5.1	4.9	8.7	39	104	160	64	56
10	34	10	7.3	4.7	5.1	4.9	9.3	36	99	174	68	51
11	29	10	7.1	4.9	5.3	5.5	9.3	43	120	192	78	45
12	21	10	6.7	4.9	5.4	5.7	9.5	57	145	194	77	42
13	13	9.8	6.3	4.9	5.3	7.5	10	77	187	192	66	42
14	12	9.1	6.1	4.9	5.1	5.3	9.3	99	237	187	62	42
15	11	8.7	5.9	5.1	5.0	4.7	9.3	116	264	187	57	41
16	11	8.3	5.9	4.9	5.1	4.5	9.3	147	254	169	54	40
17	11	8.0	5.7	5.1	5.9	5.1	10	185	294	154	53	39
18	10	7.9	5.7	5.3	5.7	5.4	12	171	312	149	53	42
19	11	9.3	5.7	5.3	5.5	5.3	12	171	237	149	54	42
20	10	9.3	5.9	5.3	5.5	5.7	12	208	242	134	53	38
21	10	9.3	6.7	5.3	5.3	5.7	12	237	266	130	53	36
22	9.5	9.3	7.5	5.3	5.5	5.3	14	263	284	116	53	35
23	9.1	9.3	7.5	5.3	5.3	5.3	20	244	284	110	50	34
24	8.5	8.9	6.7	5.1	5.3	5.8	20	237	246	101	47	32
25	9.4	8.5	6.1	5.1	5.3	6.9	17	262	215	86	45	31
26	12	8.7	5.7	5.1	5.4	7.3	20	253	225	95	48	29
27	12	8.9	6.7	4.9	5.3	7.1	26	269	239	101	46	28
28	11	9.5	8.1	4.9	5.1	7.5	31	297	244	95	42	26
29	12	9.3	7.7	4.7	---	6.8	34	282	266	92	41	26
30	12	8.9	7.1	4.9	---	6.9	35	256	279	95	40	25
31	11	---	6.7	4.9	---	6.9	---	276	---	106	40	---
TOTAL	495.5	284.2	216.8	156.9	144.6	174.2	410.4	4551	6549	4707	1932	1254
MEAN	16.0	9.47	6.99	5.06	5.16	5.62	13.7	147	218	152	62.3	41.8
AC-FT	983	564	430	311	287	346	814	9030	12990	9340	3830	2490
MAX	45	12	8.9	6.2	5.9	7.5	35	297	312	269	104	66
MIN	8.5	7.9	5.7	4.5	4.7	4.5	6.5	28	99	86	40	25

CAL YR 1992 TOTAL 16189.7 MEAN 44.2 MAX 229 MIN 3.5 AC-FT 32110
WTR YR 1993 TOTAL 20875.6 MEAN 57.2 MAX 312 MIN 4.5 AC-FT 41410

MAX DISCH 375 CFS AT 0100 18-JUN-1993 GH 2.82 FT. SHIFT 0.01 FT. MAX GH 2.82 FT. AT 0100 18-JUN-1993



PLATTE RIVER BASIN

06727000 BOULDER CREEK NEAR ORODELL, CO

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

DRAINAGE AREA.--102 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,826 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Sept. 1,1907, non-recording gage, and Sept. 1, 1907, to May 11, 1917, water-stage recorder, at sites 1.1 mi downstream, just upstream from Fourmile Creek, at different datums.

REMARKS.-- Flow regulated by Barker Reservoir, capacity, 11,500 acre-Ft. Low flow during non-irrigation season regulated by Orodell power-plant 1,500 ft upstream from station. Record is complete and reliable except for the following periods: Dec. 22-31, 1992; Jan. 1-6, 10-22, 1993 when the recorder cable came out of pulley wheel causing float to be above water surface in well. The stage-discharge relation was affected by thin ice layer during part of day on: Nov. 26-27, 29; Dec. 1, 3-4, 9, 11-18, 20-21, 1992; Jan. 23, 25-27; Feb. 1-3, 5-7, 9, 12-13, 15, 21, 24-28; Mar. 1-4, 13-14, 1993. Graphic chart record was used on Oct. 1-3, 13, 30; Nov. 9, 1992; May 5, 14, 21; June 2, 8, 15-17, 21, 23-24, 28-30; Jul. 1-13; Aug. 21-22, 1993. Record is good, except for periods of no gage-height record and ice affect, which is fair. Station maintained and records developed by Fred Renner.

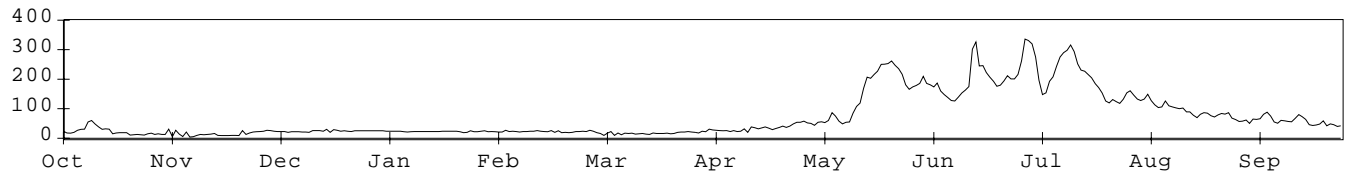
RATING TABLE.--BOCOROCO13 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	5.5	23	24	22	24	24	52	179	262	161	57
2	18	27	23	24	21	19	22	50	186	336	146	58
3	17	14	23	24	21	16	31	44	210	331	133	62
4	20	5.8	20	24	27	9.8	28	54	186	320	128	50
5	27	21	22	24	23	17	27	56	181	275	133	65
6	30	4.4	22	22	24	23	26	53	174	197	149	64
7	31	5.5	22	21	23	9.8	25	60	187	148	127	66
8	55	10	21	22	21	18	26	87	160	154	113	81
9	60	13	21	23	23	12	23	75	148	193	104	88
10	48	12	20	23	23	17	26	58	138	208	106	75
11	38	13	26	23	24	16	23	49	128	244	126	55
12	30	14	26	23	24	17	24	54	126	275	110	51
13	32	16	26	23	26	14	32	55	139	290	106	61
14	31	10	24	23	24	15	20	85	153	298	103	59
15	15	9.0	30	23	23	16	38	108	163	316	100	57
16	18	8.9	20	23	22	14	36	119	175	294	102	56
17	19	8.8	29	24	26	13	32	169	302	252	89	67
18	19	9.9	27	24	20	18	35	207	326	231	89	80
19	19	9.8	24	24	25	16	38	203	245	227	78	73
20	11	9.4	25	24	19	16	34	216	246	216	70	64
21	12	26	24	24	20	16	29	227	223	205	81	46
22	13	13	23	22	19	17	33	250	207	185	87	43
23	12	18	25	19	20	15	37	251	193	172	85	45
24	11	21	25	20	23	16	41	253	176	153	76	48
25	15	22	25	25	23	20	37	262	180	126	72	59
26	17	23	25	22	24	21	41	247	194	120	79	42
27	13	24	25	22	23	21	49	236	212	131	84	49
28	15	27	25	24	27	23	54	217	201	124	82	46
29	13	26	25	25	---	21	54	181	201	118	87	40
30	13	24	25	22	---	20	58	166	216	132	68	42
31	31	---	25	23	---	18	---	174	---	154	63	---
TOTAL	727	451.0	746	713	640	528.6	1003	4318	5755	6687	3137	1749
MEAN	23.5	15.0	24.1	23.0	22.9	17.1	33.4	139	192	216	101	58.3
AC-FT	1440	895	1480	1410	1270	1050	1990	8560	11420	13260	6220	3470
MAX	60	27	30	25	27	24	58	262	326	336	161	88
MIN	11	4.4	20	19	19	9.8	20	44	126	118	63	40

CAL YR 1992 TOTAL 19964.3 MEAN 54.5 MAX 253 MIN 3.0 AC-FT 39600
WTR YR 1993 TOTAL 26454.6 MEAN 72.5 MAX 336 MIN 4.4 AC-FT 52470

MAX DISCH 428 CFS AT 0415 18-JUN-1993 GH 3.27 FT. SHIFT 0.01 FT. MAX GH 3.27 FT. AT 0415 18-JUN-1993



PLATTE RIVER BASIN

06726000 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. Station is owned and maintained by Denver Water Board personnel.

REMARKS.--Record is complete and reliable. Record was affected by ice on the control Jan. 10, 1993. Graphic chart record was used on Oct. 7, 14-31; Nov. 1; Dec. 8, 29, 1992; Jan. 10-22; Feb. 10; Mar. 6; Apr. 28; July 11-22, 1993. Record is good. Records developed by Fred H. Renner.

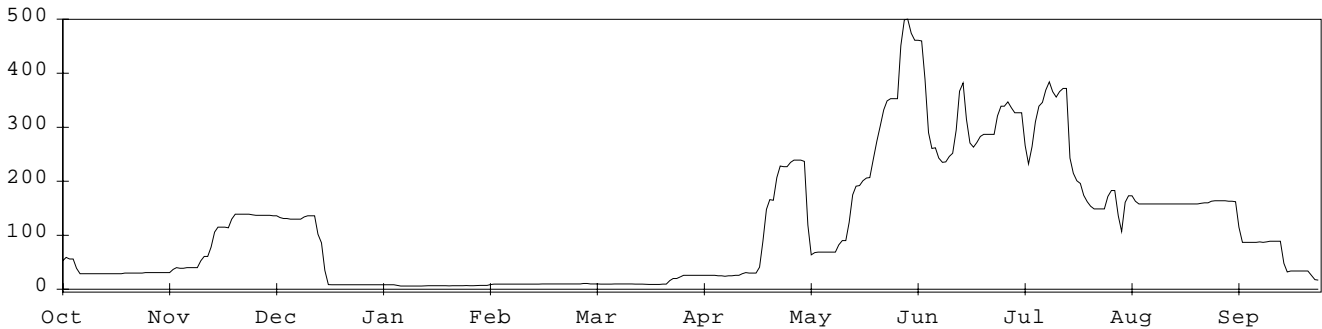
RATING TABLE.--BOCBGRCO02 USED FROM 02-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	31	136	8.4	7.2	11	26	239	451	339	183	164
2	59	37	136	8.4	8.7	11	26	239	499	347	183	164
3	56	40	133	8.4	9.6	10	26	239	500	336	136	164
4	56	39	131	8.4	9.6	10	26	237	474	327	107	163
5	39	39	131	8.4	9.6	9.9	26	119	461	327	161	163
6	29	40	130	7.2	9.6	9.6	26	64	461	327	173	162
7	29	40	130	6.1	9.6	9.6	26	68	460	266	173	115
8	29	40	130	6.1	9.6	9.6	26	69	389	232	163	87
9	29	40	130	6.1	9.6	9.6	25	69	290	264	158	87
10	29	53	134	6.1	9.6	9.8	25	69	261	310	158	87
11	29	61	136	6.1	9.6	10	24	69	262	339	158	87
12	29	61	136	6.1	9.6	10	25	69	243	346	158	87
13	29	78	136	6.1	9.6	10	25	69	235	369	158	88
14	29	106	102	6.3	9.6	9.9	26	82	236	384	158	87
15	29	115	86	6.6	9.6	9.8	26	90	246	366	158	88
16	29	115	35	6.6	9.6	9.6	29	90	252	356	158	89
17	29	115	8.6	6.6	10	9.6	31	124	295	366	158	89
18	29	114	8.4	6.6	10	9.6	30	175	367	372	158	89
19	30	130	8.4	6.6	10	9.3	30	191	382	372	158	89
20	30	139	8.4	6.6	10	9.0	30	192	315	243	158	48
21	30	139	8.4	6.5	10	9.0	41	201	271	215	158	32
22	30	139	8.4	6.6	10	9.0	89	206	263	201	158	34
23	30	139	8.4	6.6	10	9.1	148	207	272	196	158	34
24	30	139	8.4	6.6	10	9.6	166	241	283	174	158	34
25	31	138	8.4	6.6	10	9.6	165	274	287	162	158	34
26	31	137	8.4	6.8	10	16	207	302	287	154	158	34
27	31	137	8.4	6.6	10	20	228	332	287	149	159	34
28	31	137	8.4	6.6	10	20	227	349	287	149	160	26
29	31	137	8.4	6.8	---	23	227	353	321	149	160	18
30	31	137	8.4	7.2	---	26	235	353	339	149	163	17
31	31	---	8.4	7.2	---	26	---	353	---	172	164	---
TOTAL	1037	2812	2078.2	211.9	270.3	374.2	2267	5734	9976	8458	4929	2494
MEAN	33.5	93.7	67.0	6.84	9.65	12.1	75.6	185	333	273	159	83.1
AC-FT	2060	5580	4120	420	536	742	4500	11370	19790	16780	9780	4950
MAX	59	139	136	8.4	10	26	235	353	500	384	183	164
MIN	29	31	8.4	6.1	7.2	9.0	24	64	235	149	107	17

CAL YR 1992 TOTAL 41962.2 MEAN 115 MAX 464 MIN 3.6 AC-FT 83230
WTR YR 1993 TOTAL 40641.6 MEAN 111 MAX 500 MIN 6.1 AC-FT 80610

MAX DISCH 509 CFS AT 1130 01-JUN-1993 GH 2.86 FT. SHIFT 0.00 FT. MAX GH 2.86 FT. AT 1130 01-JUN-1993



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. Station is owned and maintained by Denver Water Board personnel.

REMARKS.--Record is complete and reliable. Flume was off for the following period: Dec. 19, 1992-Apr. 21, 1993; May 6-24; Sept. 21-30, 1993. Graphic chart record was used all year except when flume was off. The record is good. Records developed by Fred H. Renner.

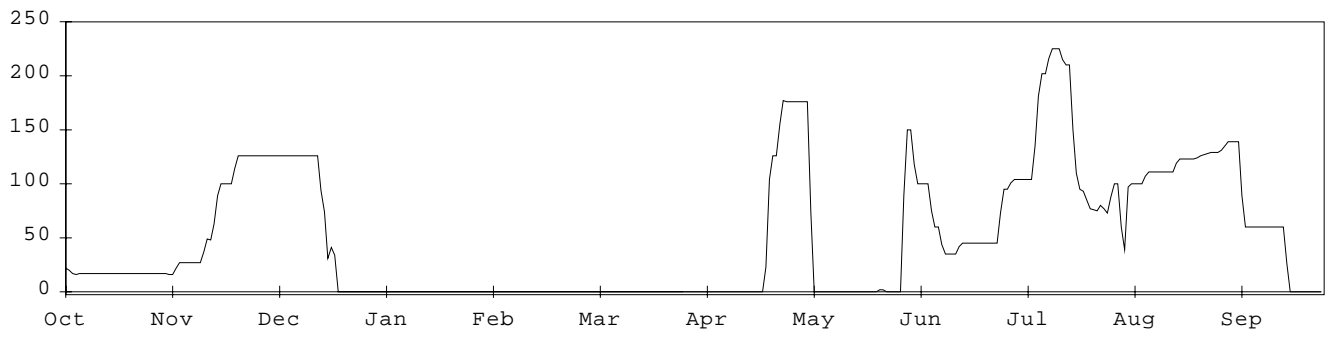
RATING TABLE.--BOSDELCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	16	126	0.0	0.0	0.0	0.0	176	89	95	100	131
2	20	22	126	0.0	0.0	0.0	0.0	176	150	101	100	135
3	17	27	126	0.0	0.0	0.0	0.0	176	150	104	60	139
4	16	27	126	0.0	0.0	0.0	0.0	176	118	104	39	139
5	17	27	126	0.0	0.0	0.0	0.0	73	100	104	97	139
6	17	27	126	0.0	0.0	0.0	0.0	0.0	100	104	100	139
7	17	27	126	0.0	0.0	0.0	0.0	0.0	100	104	100	89
8	17	27	126	0.0	0.0	0.0	0.0	0.0	100	104	100	60
9	17	27	126	0.0	0.0	0.0	0.0	0.0	75	135	100	60
10	17	37	126	0.0	0.0	0.0	0.0	0.0	60	181	107	60
11	17	49	126	0.0	0.0	0.0	0.0	0.0	60	202	111	60
12	17	48	126	0.0	0.0	0.0	0.0	0.0	44	202	111	60
13	17	63	126	0.0	0.0	0.0	0.0	0.0	35	216	111	60
14	17	89	94	0.0	0.0	0.0	0.0	0.0	35	225	111	60
15	17	100	74	0.0	0.0	0.0	0.0	0.0	35	225	111	60
16	17	100	31	0.0	0.0	0.0	0.0	0.0	35	225	111	60
17	17	100	41	0.0	0.0	0.0	0.0	0.0	42	215	111	60
18	17	100	34	0.0	0.0	0.0	0.0	0.0	45	210	111	60
19	17	114	0.0	0.0	0.0	0.0	0.0	0.0	45	210	119	60
20	17	126	0.0	0.0	0.0	0.0	0.0	0.0	45	150	123	26
21	17	126	0.0	0.0	0.0	0.0	0.0	0.0	45	110	123	0.0
22	17	126	0.0	0.0	0.0	0.0	23	0.0	45	95	123	0.0
23	17	126	0.0	0.0	0.0	0.0	104	0.0	45	93	123	0.0
24	17	126	0.0	0.0	0.0	0.0	126	0.0	45	85	123	0.0
25	17	126	0.0	0.0	0.0	0.0	126	2.0	45	77	124	0.0
26	17	126	0.0	0.0	0.0	0.0	155	1.9	45	76	126	0.0
27	17	126	0.0	0.0	0.0	0.0	177	0.0	45	75	127	0.0
28	17	126	0.0	0.0	0.0	0.0	176	0.0	45	80	128	0.0
29	17	126	0.0	0.0	---	0.0	176	0.0	73	77	129	0.0
30	17	126	0.0	0.0	---	0.0	176	0.0	95	73	129	0.0
31	16	---	0.0	0.0	---	0.0	---	0.0	---	88	129	---
TOTAL	533	2413	1912	0.0	0.0	0.0	1239	780.9	1991	4145	3417	1657
MEAN	17.2	80.4	61.7	0.0	0.0	0.0	41.3	25.2	66.4	134	110	55.2
AC-FT	1060	4790	3790	0.0	0.0	0.0	2460	1550	3950	8220	6780	3290
MAX	22	126	126	0.0	0.0	0.0	177	176	150	225	129	139
MIN	16	16	0.0	0.0	0.0	0.0	0.0	0.0	35	73	39	0.0

CAL YR 1992 TOTAL 22385.6 MEAN 61.2 MAX 260 MIN 0.00 AC-FT 44400
WTR YR 1993 TOTAL 18087.9 MEAN 49.6 MAX 225 MIN 0.00 AC-FT 35880

MAX DISCH 225 CFS AT 0945 13-JUL-1993 GH 2.67 FT. SHIFT 0.00 FT. MAX GH 2.67 FT. AT 0945
13-JUL-1993



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. Elevation of gage is 6,080 ft, from topographic map. See WSP 1710 or 1730 for history of changes prior to May 10, 1940.

REMARKS.--Record is complete and reliable except for the following periods: No record Dec. 4-8, 18-21, 1992 when float was frozen in ice. Dec. 22-31, 1992; Jan. 1-31; Feb. 1-28; Mar 1-5, 1993 when station was closed. Record was affected by ice in the well and on the control Nov. 23; Dec. 9, 14-15, 17, 1992. Graphic chart record was used on May 5; Jun. 24, 26-30; Jul. 1-8, 10, 12, 20-29; Aug. 1-2, 1993. Water is imported upstream from Gross Reservoir from Colorado River basin through Moffat Tunnel. Flow regulated since May 1, 1955, by Gross Reservoir, capacity, 43,060 acre-ft, 6.7 mi upstream from station. City of Denver diverts water 1.8 mi upstream from station. Record is good, except for periods of no gage-height record and ice affect, which is fair. Station maintained and records developed by Fred Renner.

RATING TABLE.--BOCELSCO21 USED FROM 01-OCT-1992 TO 30-SEP-1993

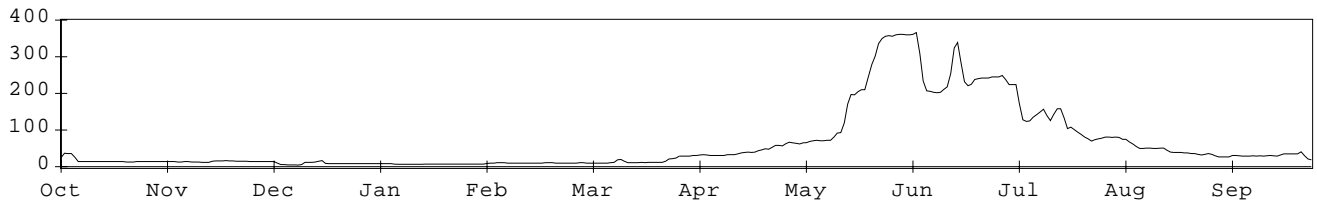
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	14	14	8.5	7.5	11	29	67	360	245	81	34
2	37	14	14	8.5	9.0	11	29	65	361	249	81	30
3	36	14	10	8.5	10	10	31	64	361	238	80	27
4	36	13	6.0	8.5	10	10	31	62	360	224	81	27
5	26	13	6.0	8.5	11	9.7	32	65	360	224	80	27
6	14	14	5.0	7.5	11	9.7	33	66	361	224	75	27
7	14	14	5.0	6.5	11	9.9	32	69	366	172	75	31
8	14	13	5.0	6.5	10	10	31	71	309	128	68	31
9	14	13	4.5	6.5	10	10	31	72	234	124	62	30
10	14	13	6.1	6.5	10	11	31	71	207	125	55	29
11	14	12	12	6.5	10	12	31	71	206	135	50	29
12	14	12	12	6.5	10	19	31	72	203	142	50	29
13	14	12	12	6.5	10	20	33	72	202	149	51	30
14	14	15	13	6.5	10	15	33	81	203	157	51	29
15	14	16	15	7.0	10	11	33	92	211	140	50	30
16	14	16	17	7.0	10	11	35	93	218	126	50	29
17	14	16	9.0	7.0	10	11	38	120	254	143	51	30
18	14	17	8.5	7.0	10	11	39	171	324	158	51	31
19	14	16	8.5	7.0	11	12	40	197	339	158	45	30
20	13	16	8.5	7.0	11	11	39	196	285	133	40	29
21	13	15	8.5	7.0	11	12	40	205	232	104	39	32
22	13	15	8.5	7.5	10	12	44	210	221	108	39	35
23	14	15	8.5	7.5	10	12	46	210	225	101	39	35
24	14	15	8.5	7.5	10	12	49	245	238	94	38	35
25	14	14	8.5	7.5	10	12	48	279	240	88	38	35
26	14	14	8.5	7.5	10	15	53	302	242	81	36	35
27	14	14	8.5	7.5	10	21	58	336	242	76	36	41
28	14	14	8.5	7.5	10	22	58	350	242	70	34	30
29	14	14	8.5	7.5	---	24	57	356	245	74	32	21
30	14	14	8.5	7.5	---	29	63	358	245	76	34	19
31	14	---	8.5	7.5	---	29	---	356	---	78	36	---

TOTAL	521	427	284.6	226.0	282.5	435.3	1178	5044	8096	4344	1628	907
MEAN	16.8	14.2	9.18	7.29	10.1	14.0	39.3	163	270	140	52.5	30.2
AC-FT	1030	847	565	448	560	863	2340	10000	16060	8620	3230	1800
MAX	37	17	17	8.5	11	29	63	358	366	249	81	41
MIN	13	12	4.5	6.5	7.5	9.7	29	62	202	70	32	19

CAL YR 1992 TOTAL 20235.6 MEAN 55.3 MAX 327 MIN 4.0 AC-FT 40140
WTR YR 1993 TOTAL 23373.4 MEAN 64.0 MAX 366 MIN 4.5 AC-FT 46360

MAX DISCH 383 CFS AT 0900 01-JUN-1993 GH 3.06 FT. SHIFT -0.03 FT. MAX GH 3.06 FT. AT 0900
01-JUN-1993



PLATTE RIVER BASIN

06730300 COAL CREEK NEAR PLAINVIEW, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable except for the following periods: Oct. 29, 1991-Mar. 13, 1992 when station was closed for the winter; Mar. 15-26, 29-31; Apr. 1-3, 1992 when clock stopped. Record is good, except for period of no gage-height record, which is fair. Coal Creek is a partial year record being closed in the winter. Station maintained and records developed by Fred Renner.

RATING TABLE.--COCREPCO08 USED FROM 01-OCT-1991 TO 30-SEP-1993

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

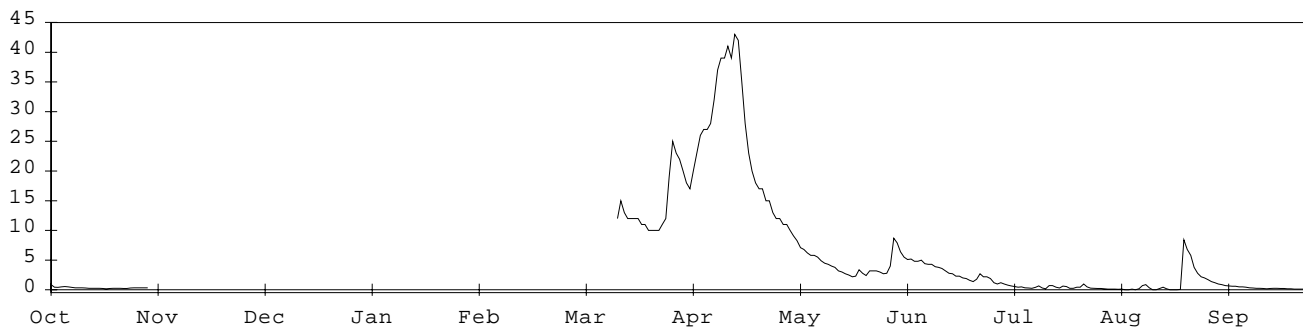
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.87	---	---	---	---	---	20	11	8.7	1.0	0.19	1.4
2	0.45	---	---	---	---	---	18	10	7.9	1.2	0.13	1.2
3	0.40	---	---	---	---	---	17	9.1	6.4	1.0	0.13	1.0
4	0.50	---	---	---	---	---	20	8.3	5.5	0.79	0.13	0.87
5	0.55	---	---	---	---	---	23	7.1	5.1	0.67	0.10	0.73
6	0.50	---	---	---	---	---	26	6.8	5.2	0.55	0.12	0.67
7	0.40	---	---	---	---	---	27	6.2	4.8	0.45	0.01	0.61
8	0.35	---	---	---	---	---	27	5.8	4.8	0.50	0.01	0.61
9	0.35	---	---	---	---	---	28	5.8	5.0	0.35	0.13	0.50
10	0.35	---	---	---	---	---	32	5.5	4.4	0.31	0.00	0.50
11	0.31	---	---	---	---	---	37	4.9	4.3	0.27	0.16	0.45
12	0.27	---	---	---	---	---	39	4.5	4.3	0.40	0.73	0.35
13	0.27	---	---	---	---	12	39	4.3	3.9	0.67	0.87	0.31
14	0.27	---	---	---	---	15	41	4.0	3.8	0.31	0.35	0.27
15	0.27	---	---	---	---	13	39	3.8	3.6	0.17	0.03	0.27
16	0.23	---	---	---	---	12	43	3.2	3.2	0.73	0.0	0.23
17	0.19	---	---	---	---	12	42	3.0	2.8	0.73	0.23	0.19
18	0.23	---	---	---	---	12	35	2.7	2.7	0.45	0.45	0.23
19	0.27	---	---	---	---	12	28	2.5	2.3	0.31	0.16	0.27
20	0.27	---	---	---	---	11	23	2.2	2.3	0.64	0.00	0.27
21	0.27	---	---	---	---	11	20	2.3	2.0	0.55	0.0	0.23
22	0.23	---	---	---	---	10	18	3.4	1.9	0.27	0.01	0.23
23	0.23	---	---	---	---	10	17	2.8	1.6	0.27	0.07	0.19
24	0.31	---	---	---	---	10	17	2.4	1.4	0.45	8.4	0.16
25	0.35	---	---	---	---	10	15	3.2	1.8	0.45	6.8	0.13
26	0.35	---	---	---	---	11	15	3.2	2.7	1.0	5.8	0.13
27	0.35	---	---	---	---	12	13	3.2	2.2	0.50	3.8	0.13
28	0.35	---	---	---	---	19	12	3.0	2.2	0.29	2.8	0.13
29	0.35	---	---	---	---	25	12	2.7	1.9	0.27	2.2	0.13
30	---	---	---	---	---	23	11	2.8	1.2	0.23	2.0	0.13
31	---	---	---	---	---	22	---	4.0	---	0.23	1.7	---
TOTAL	10.09						754	143.7	109.9	16.02	37.50	12.52
MEAN	0.35						25.1	4.64	3.66	0.52	1.21	0.42
AC-FT	20						1500	285	218	32	74	25
MAX	0.87						43	11	8.7	1.2	8.4	1.4
MIN	0.19						11	2.2	1.2	0.17	0.0	0.13

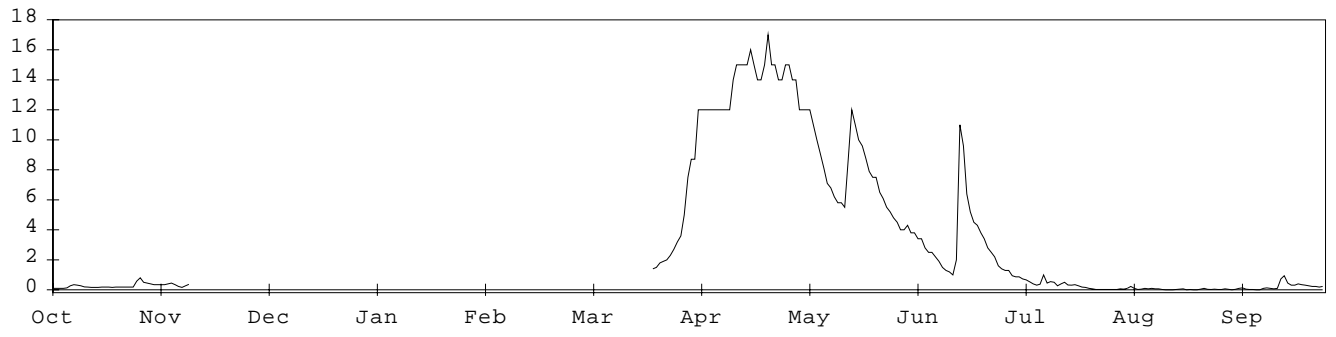
CAL YR 1991 TOTAL MEAN MAX MIN AC-FT_

WTR YR 1992 TOTAL 1083.73 MEAN 2.96 MAX 43 MIN 0.00 AC-FT 2150

MAX DISCH 43 CFS AT 0600 16-APR-1992 GH 1.22 FT. SHIFT 0.02 FT. MAX GH 1.22 FT. AT 0600

16-APR-1992





PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--976 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,740 ft above National Geodetic Vertical Datum of 1929, from topographic map. See WSP 1730 for history of changes prior to Apr. 25, 1960.

REMARKS.--Record is complete and reliable. DCP was the primary source of record. Record is complete and reliable, except for the following periods: Dec. 8-10, 16, 29-30, 1992; Jan. 10-12, 19; Feb. 2, 1993 when the chart and the DCP was off. The chart was used on Oct. 25, 1992; Mar. 15; Apr. 4, 29; May 11; June 28, 1993. Station maintained and records developed by Merlin Friedrichsen. Record is good.

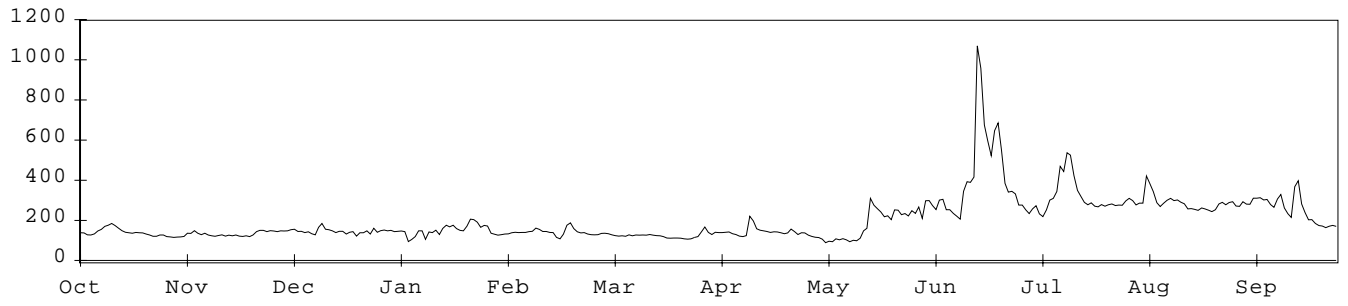
RATING TABLE.--SVCPLACO23 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	136	153	146	132	135	140	120	267	276	310	272
2	137	135	156	147	133	136	130	116	210	252	299	270
3	128	149	145	144	138	134	141	114	298	234	277	293
4	127	136	146	95	141	128	139	107	299	257	286	281
5	133	129	139	105	139	124	139	89	274	273	286	280
6	147	136	143	119	140	122	141	96	254	232	422	311
7	155	127	134	148	140	123	142	94	301	219	384	311
8	170	123	128	148	144	121	134	108	305	252	343	313
9	176	121	165	106	146	128	130	103	253	301	288	302
10	185	125	185	142	162	123	122	109	253	310	269	304
11	174	128	156	139	155	127	119	103	235	344	286	279
12	162	122	153	151	145	126	124	94	221	469	300	265
13	149	126	148	130	145	127	220	101	206	444	310	307
14	141	123	139	160	140	126	197	98	345	537	299	329
15	138	127	146	176	139	130	158	111	393	525	302	262
16	136	122	146	168	115	126	151	148	390	423	291	233
17	140	120	132	176	108	124	148	161	416	350	283	215
18	138	123	141	159	131	123	145	310	1070	320	257	368
19	137	119	144	150	176	119	140	275	958	290	259	397
20	132	127	122	148	188	112	143	259	676	278	255	282
21	127	144	138	171	159	111	142	242	597	287	250	240
22	121	150	138	206	143	112	138	218	523	271	262	203
23	121	150	148	204	137	112	134	223	647	268	257	204
24	127	144	132	191	139	111	137	204	685	279	251	185
25	127	149	161	165	132	108	157	252	551	271	244	174
26	119	147	141	175	129	107	144	251	385	278	253	172
27	118	144	149	172	128	108	130	229	341	282	282	164
28	115	148	152	136	129	115	138	234	345	274	290	171
29	117	147	148	131	---	119	137	222	332	276	278	175
30	118	148	150	126	---	143	126	248	276	275	289	170
31	120	---	144	129	---	167	---	235	---	297	293	---
TOTAL	4273	4025	4522	4663	3953	3827	4286	5274	12306	9644	8955	7732
MEAN	138	134	146	150	141	123	143	170	410	311	289	258
AC-FT	8480	7980	8970	9250	7840	7590	8500	10460	24410	19130	17760	15340
MAX	185	150	185	206	188	167	220	310	1070	537	422	397
MIN	115	119	122	95	108	107	119	89	206	219	244	164

CAL YR 1992 TOTAL	78160	MEAN	214	MAX	797	MIN	110	AC-FT	155000
WTR YR 1993 TOTAL	73460	MEAN	201	MAX	1070	MIN	89	AC-FT	145700

MAX DISCH 1361 CFS AT 2200 18-JUN-1993 GH 4.46 FT. SHIFT 0.12 FT. MAX GH 4.46 FT. AT 2200 18-JUN-1993



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, Hydrologic Unit 10190006, on right bank in Estes Park, 600 ft downstream from bridge on State Highways 7 and 66, 900 ft downstream from Black Canyon Creek, and 0.3 mi northwest of Estes Power Plant, Station is upstream from Lake Estes.

DRAINAGE AREA.--137 mi².

GAGE.--Water-stage recorder with satellite telemetry, at 15' Parshall flume with overflow weirs, Datum of gage is 7,492.5 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation). Prior to May 18, 1949, at site 740 ft downstream at different datum. May 18, 1949, to Mar. 22, 1951, at site 60 ft upstream at datum 1.2 ft. higher.

REMARKS.--Record is complete and reliable except for the following periods: Dec. 3-31, 1992; Jan. 1-Mar. 9, 1993 when flume was frozen. Discharge was affected by ice Nov. 21-22, 1992; Mar. 19-20, 22, 1993. Graphic chart was used Dec. 1-2, 1992; Mar. 10-12, 15-16; Apr. 1-2, 12, 20-23, 27-30; May 2, 5, 7, 11, 13, 17, 19, 21, 24-25, 27; June 2-5, 7-12, 14-19, 21-25, 28-29; July 1, 4, 6, 9, 12-16, 20-22, 1993. Record is good, except that for periods of no gage-height record and ice affect, which is fair. Station maintained and records developed by Jim Clark and Fred Renner.

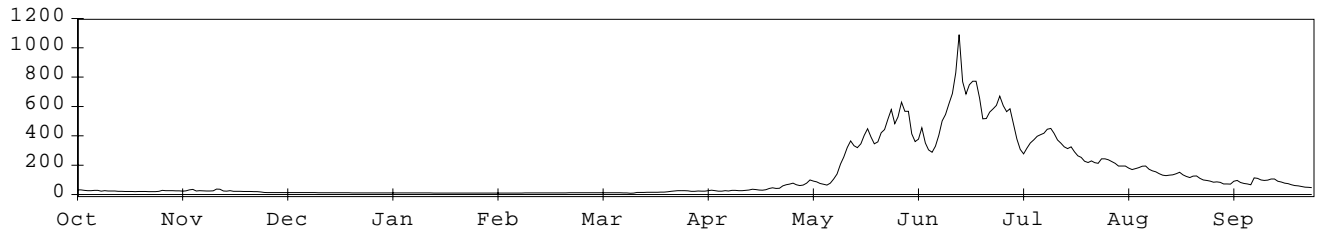
RATING TABLE.--BTABESCO09 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	23	13	11	10	12	22	67	630	605	237	84
2	32	25	13	11	10	12	24	61	568	565	225	87
3	29	32	13	11	10	12	23	65	568	585	213	83
4	27	35	13	11	10	12	23	78	414	485	195	72
5	27	24	13	11	10	12	26	99	361	379	195	73
6	28	26	13	11	10	12	30	92	378	307	195	71
7	28	25	13	11	10	12	26	87	455	277	180	91
8	23	24	13	11	10	12	23	76	351	316	171	96
9	26	24	13	11	10	12	23	70	304	351	177	82
10	24	25	13	11	11	12	26	65	288	373	183	76
11	24	37	12	11	11	11	24	78	330	397	193	72
12	24	36	12	11	11	11	28	106	404	408	194	66
13	22	24	12	11	11	9.5	29	140	502	418	172	114
14	22	23	12	10	11	10	26	209	546	445	161	111
15	21	26	12	10	11	14	26	255	621	451	155	100
16	21	22	12	10	11	14	28	321	688	418	142	96
17	21	22	12	10	11	14	31	366	830	372	132	98
18	20	22	12	10	11	16	36	333	1090	350	129	106
19	21	21	12	10	11	16	34	320	769	325	132	106
20	21	21	12	10	11	16	31	346	685	314	135	91
21	21	21	11	10	11	16	30	404	748	325	142	85
22	20	20	11	10	11	17	33	448	772	292	152	77
23	20	20	11	10	12	17	42	393	772	264	135	74
24	20	18	11	10	12	19	46	346	657	253	123	67
25	22	14	11	10	12	22	42	359	516	227	116	62
26	29	13	11	10	12	24	43	421	518	218	126	59
27	27	13	11	10	12	27	59	443	562	229	127	55
28	26	13	11	10	12	26	67	514	583	217	111	51
29	26	13	11	10	---	27	71	579	608	213	99	49
30	25	13	11	10	---	25	78	484	671	243	96	47
31	25	---	11	10	---	22	---	529	---	244	92	---
TOTAL	754	675	371	323	305	493.5	1050	8154	17189	10866	4835	2401
MEAN	24.3	22.5	12.0	10.4	10.9	15.9	35.0	263	573	351	156	80.0
AC-FT	1500	1340	736	641	605	979	2080	16170	34090	21550	9590	4760
MAX	32	37	13	11	12	27	78	579	1090	605	237	114
MIN	20	13	11	10	10	9.5	22	61	288	213	92	47

CAL YR 1992 TOTAL 32081 MEAN 87.7 MAX 457 MIN 10 AC-FT 63630
WTR YR 1993 TOTAL 47416.5 MEAN 130 MAX 1090 MIN 9.5 AC-FT 94050

MAX DISCH 1235 CFS AT 0600 18-JUN-1993 GH 6.07 FT. SHIFT 0.08 FT. MAX GH 6.07 FT. AT 0600
18-JUN-1993



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 Oct. 9, 1992-Apr. 30,1993 when station was closed. Record is fair. Record is fair. Station maintained and records developed by Jim Clark and Fred H. Renner.

RATING TABLE.--FISHESCO06 USED FROM 01-OCT-1992 TO 30-SEP-1993

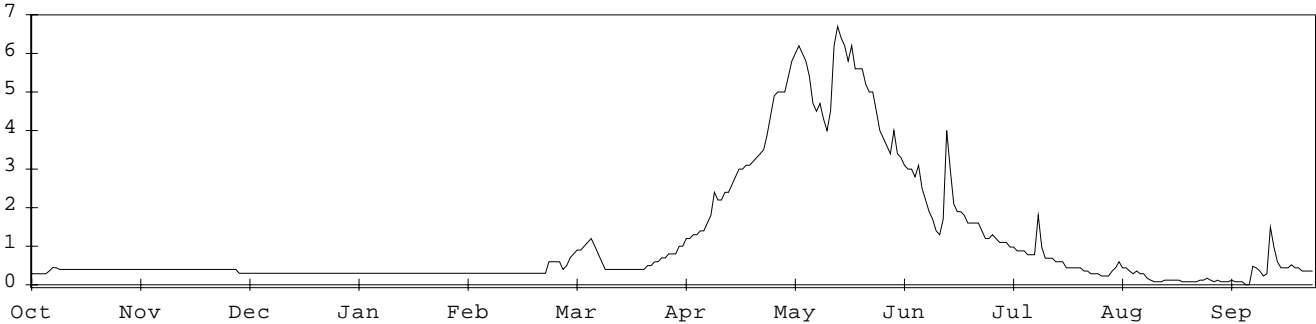
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.29	0.40	0.30	0.30	0.30	0.40	0.80	5.0	3.6	1.3	0.23	0.12
2	0.29	0.40	0.30	0.30	0.30	0.50	0.80	5.0	3.4	1.2	0.23	0.08
3	0.29	0.40	0.30	0.30	0.30	0.70	1.0	5.0	4.0	1.1	0.23	0.12
4	0.29	0.40	0.30	0.30	0.30	0.80	1.0	5.4	3.4	1.1	0.36	0.08
5	0.29	0.40	0.30	0.30	0.30	0.90	1.2	5.8	3.3	1.1	0.44	0.08
6	0.36	0.40	0.30	0.30	0.30	0.90	1.2	6.0	3.1	0.98	0.60	0.08
7	0.45	0.40	0.30	0.30	0.30	1.0	1.3	6.2	3.0	0.98	0.44	0.12
8	0.44	0.40	0.30	0.30	0.30	1.1	1.3	6.0	3.0	0.88	0.44	0.08
9	0.40	0.40	0.30	0.30	0.30	1.2	1.4	5.8	2.8	0.88	0.36	0.08
10	0.40	0.40	0.30	0.30	0.30	1.0	1.4	5.4	3.1	0.88	0.29	0.08
11	0.40	0.40	0.30	0.30	0.30	0.80	1.6	4.7	2.5	0.78	0.36	0.0
12	0.40	0.40	0.30	0.30	0.30	0.60	1.8	4.5	2.2	0.78	0.29	0.0
13	0.40	0.40	0.30	0.30	0.30	0.40	2.4	4.7	1.9	0.78	0.29	0.48
14	0.40	0.40	0.30	0.30	0.30	0.40	2.2	4.3	1.7	1.8	0.17	0.44
15	0.40	0.40	0.30	0.30	0.30	0.40	2.2	4.0	1.4	0.98	0.12	0.36
16	0.40	0.40	0.30	0.30	0.30	0.40	2.4	4.5	1.3	0.69	0.08	0.23
17	0.40	0.40	0.30	0.30	0.30	0.40	2.4	6.2	1.7	0.69	0.08	0.29
18	0.40	0.40	0.30	0.30	0.30	0.40	2.6	6.7	4.0	0.69	0.08	1.5
19	0.40	0.40	0.30	0.30	0.30	0.40	2.8	6.4	3.0	0.60	0.12	0.98
20	0.40	0.40	0.30	0.30	0.30	0.40	3.0	6.2	2.1	0.60	0.12	0.60
21	0.40	0.40	0.30	0.30	0.30	0.40	3.0	5.8	1.9	0.60	0.12	0.44
22	0.40	0.40	0.30	0.30	0.30	0.40	3.1	6.2	1.9	0.44	0.12	0.44
23	0.40	0.40	0.30	0.30	0.30	0.40	3.1	5.6	1.8	0.44	0.12	0.44
24	0.40	0.40	0.30	0.30	0.30	0.40	3.2	5.6	1.6	0.44	0.08	0.52
25	0.40	0.40	0.30	0.30	0.60	0.50	3.3	5.6	1.6	0.44	0.08	0.44
26	0.40	0.40	0.30	0.30	0.60	0.50	3.4	5.2	1.6	0.44	0.08	0.44
27	0.40	0.40	0.30	0.30	0.60	0.60	3.5	5.0	1.6	0.36	0.08	0.36
28	0.40	0.40	0.30	0.30	0.60	0.60	3.9	5.0	1.4	0.36	0.08	0.36
29	0.40	0.30	0.30	0.30	---	0.70	4.4	4.5	1.2	0.29	0.12	0.36
30	0.40	0.30	0.30	0.30	---	0.70	4.9	4.0	1.2	0.29	0.12	0.36
31	0.40	---	0.30	0.30	---	0.80	---	3.8	---	0.29	0.17	---
TOTAL	11.90	11.80	9.30	9.30	9.60	19.10	70.60	164.1	70.3	23.18	6.50	9.96
MEAN	0.38	0.39	0.30	0.30	0.34	0.62	2.35	5.29	2.34	0.75	0.21	0.33
AC-FT	24	23	18	18	19	38	140	325	139	46	13	20
MAX	0.45	0.40	0.30	0.30	0.60	1.2	4.9	6.7	4.0	1.8	0.60	1.5
MIN	0.29	0.30	0.30	0.30	0.30	0.40	0.80	3.8	1.2	0.29	0.08	0.0

CAL YR 1992 TOTAL	485.94	MEAN	1.33	MAX	8.0	MIN	0.23	AC-FT	964
WTR YR 1993 TOTAL	415.64	MEAN	1.14	MAX	6.7	MIN	0.00	AC-FT	824

MAX DISCH 6.9 CFS AT 2230 17-MAY-1993 GH 0.54 FT. SHIFT -0.03 FT. MAX GH 0.54 FT. AT 2230 17-MAY-1993

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 mi². Area at site used Jan. 29, 1934, to Mar. 21, 1951, 162 mi².

GAGE.--Water-stage recorder with satellite telemetry at 15' Parshall flume. Datum of gage is 7,422.5 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation). Prior to Jan. 29, 1934, non-recording gage on highway bridge 1.5 mi downstream at different datum. Jan. 29, 1934, to Mar. 21, 1951, water-stage recorder at site 0.4 mi downstream at datum 10.5 ft, lower.

REMARKS.--Record is complete and reliable. Low flow regulated by Lake Estes since Nov. 30, 1948. Diversion from Colorado River basin to Big Thompson River basin upstream from station through Alva B. Adams tunnel began Aug. 10, 1947; since Apr. 15, 1953, this imported water has been diverted from Lake Estes through Olympus tunnel bypassing this station. Since May 17, 1955, part of the natural flow of Big Thompson River has also been diverted through Olympus tunnel and returned to the river downstream from the station at mouth of canyon, near Drake. Station maintained and records developed by Jim Clark and Fred Renner. Record is good.

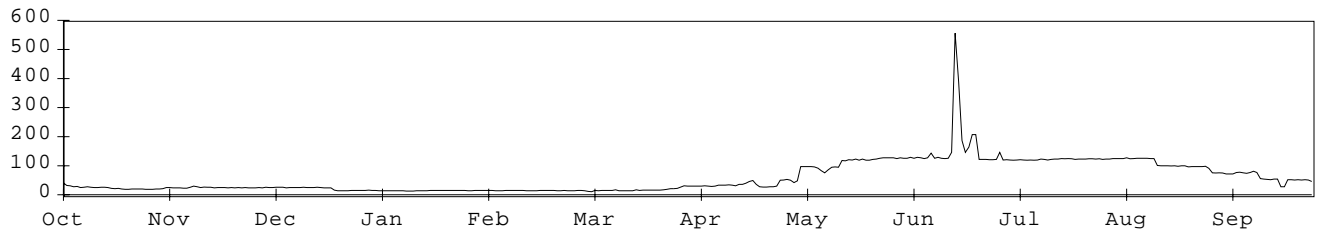
RATING TABLE.--BTBLES009 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	25	25	14	15	15	30	50	125	146	123	76
2	32	24	26	14	15	14	30	42	127	120	123	75
3	31	24	26	14	15	12	30	48	126	121	125	76
4	28	24	26	14	14	11	30	97	126	120	125	75
5	29	23	24	14	14	15	30	97	129	119	125	72
6	25	23	25	14	14	14	31	97	126	120	125	72
7	26	26	25	14	15	15	30	97	129	121	127	72
8	28	30	25	14	15	15	29	96	127	120	124	77
9	26	28	25	13	15	15	30	92	125	119	125	78
10	25	25	26	13	15	15	33	83	127	120	126	76
11	25	27	25	13	15	17	33	76	143	119	126	74
12	26	26	25	14	15	14	33	86	126	120	126	77
13	26	26	25	14	14	14	34	95	129	123	126	81
14	25	24	26	14	14	14	33	96	126	122	125	77
15	22	25	25	14	14	14	31	95	125	120	125	56
16	21	25	24	15	14	14	36	118	126	122	101	54
17	22	25	24	15	15	17	36	117	146	123	100	53
18	20	24	24	15	15	15	40	121	556	123	100	52
19	19	25	16	15	15	16	46	120	389	125	100	54
20	19	24	14	15	15	16	49	123	187	124	99	54
21	20	25	14	15	15	16	36	119	146	125	100	28
22	20	24	14	15	14	16	28	123	164	124	98	28
23	20	25	14	15	14	16	27	119	207	122	100	52
24	20	24	15	15	15	16	27	119	207	123	100	52
25	19	24	15	15	14	17	28	122	122	123	96	51
26	19	24	15	15	14	19	28	123	122	123	97	52
27	19	25	15	14	14	21	30	126	122	124	97	51
28	20	24	15	14	15	21	50	127	121	124	97	52
29	20	26	16	15	---	22	51	127	121	123	97	51
30	21	25	15	15	---	27	53	127	122	124	98	46
31	25	---	15	15	---	31	---	127	---	122	91	---
TOTAL	739	749	644	445	408	514	1032	3205	4774	3804	3447	1844
MEAN	23.8	25.0	20.8	14.4	14.6	16.6	34.4	103	159	123	111	61.5
AC-FT	1470	1490	1280	883	809	1020	2050	6360	9470	7550	6840	3660
MAX	41	30	26	15	15	31	53	127	556	146	127	81
MIN	19	23	14	13	14	11	27	42	121	119	91	28

CAL YR 1992 TOTAL 20999 MEAN 57.4 MAX 132 MIN 14 AC-FT 41650
WTR YR 1993 TOTAL 21605 MEAN 59.2 MAX 556 MIN 11 AC-FT 42850

MAX DISCH 662 CFS AT 1700 18-JUN-1993 GH 4.58 FT. SHIFT 0.01 FT. MAX GH 4.58 FT. AT 1700
18-JUN-1993



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 telemetry.

REMARKS.--Record is complete, reliable and good. Graphic chart record was used on Dec. 10, 1992; May 24-27; July 12-27; Aug. 5, 1993. Station maintained and records developed by Jim Clark and Fred Renner.

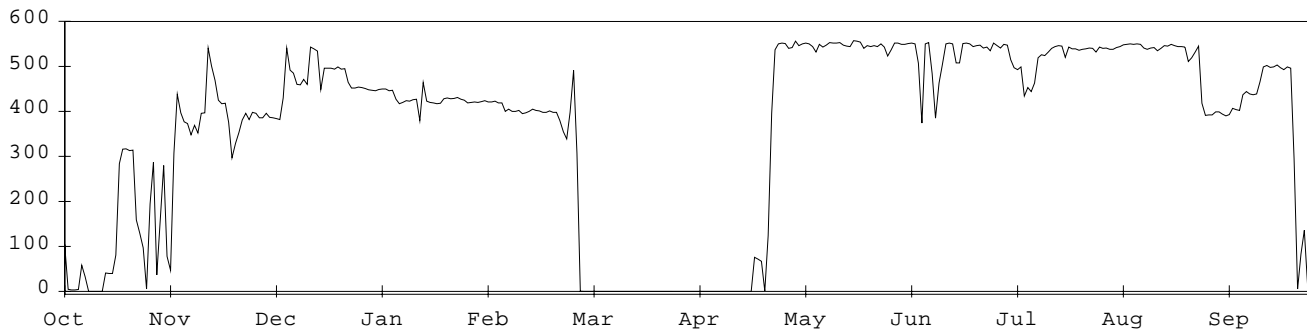
RATING TABLE.--OLYTUNCO05 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	47	386	449	424	0.52	0.0	540	552	546	540	392
2	4.8	307	384	450	421	0.05	0.0	542	552	541	541	392
3	3.2	438	382	450	421	0.05	0.0	556	549	549	538	399
4	3.4	397	430	446	423	0.05	0.0	546	549	547	538	399
5	4.6	377	541	447	419	0.02	0.0	550	551	515	542	394
6	58	373	492	427	419	0.0	0.0	552	552	497	544	390
7	33	348	485	417	400	0.0	0.0	550	550	493	548	393
8	0.02	369	460	420	405	0.0	0.0	544	507	499	549	407
9	0.0	352	459	424	400	0.0	0.0	532	374	434	550	404
10	0.0	396	471	423	400	0.0	0.0	549	550	453	549	402
11	0.0	397	460	426	402	0.0	0.0	543	553	444	550	437
12	0.0	541	543	427	395	0.0	0.0	547	484	463	549	444
13	41	501	539	380	397	0.0	0.0	553	385	519	541	439
14	40	469	534	464	400	0.0	0.0	552	463	526	538	437
15	40	425	449	423	405	0.0	0.0	552	504	524	541	439
16	81	417	496	420	402	0.0	0.0	553	550	532	542	466
17	284	418	496	419	401	0.0	0.0	547	552	540	535	499
18	316	376	496	417	398	0.0	0.0	545	550	544	540	502
19	317	297	494	418	398	0.0	0.0	544	508	546	546	498
20	313	329	499	428	401	0.0	0.0	557	508	545	545	499
21	314	353	494	430	398	0.0	76	556	551	520	549	503
22	159	381	495	428	398	0.0	72	554	552	543	546	497
23	129	396	465	429	380	0.0	67	540	550	539	544	493
24	97	382	452	431	355	0.0	0.95	546	544	539	544	499
25	5.6	398	452	427	339	0.0	124	544	546	536	543	496
26	194	396	454	425	398	0.0	396	546	547	538	511	295
27	287	386	453	419	491	0.0	537	544	541	539	519	5.4
28	37	386	451	420	307	0.0	550	550	543	541	532	83
29	161	396	448	421	---	0.0	552	543	535	540	545	136
30	280	387	447	420	---	0.0	551	523	552	532	418	3.9
31	78	---	446	422	---	0.0	---	537	---	543	391	---
TOTAL	3385.62	11435	14553	13247	11197	0.69	2925.95	16937	15804	16167	16508	11643.3
MEAN	109	381	469	427	400	0.02	97.5	546	527	522	533	388
AC-FT	6720	22680	28870	26280	22210	1.4	5800	33590	31350	32070	32740	23090
MAX	317	541	543	464	491	0.52	552	557	553	549	550	503
MIN	0.0	47	382	380	307	0.0	0.0	523	374	434	391	3.9

CAL YR 1992 TOTAL 110132.72 MEAN 301 MAX 560 MIN 0.00 AC-FT 218400
WTR YR 1993 TOTAL 133803.56 MEAN 367 MAX 557 MIN 0.00 AC-FT 265400

MAX DISCH 574 CFS AT 1000 11-DEC-1992 GH 8.10 FT. SHIFT -0.16 FT. MAX GH 8.10 FT. AT 1000 11-DEC-1992



PLATTE RIVER BASIN

06736000 NORTH FORK BIG THOMPSON RIVER AT DRAKE, CO

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

DRAINAGE AREA.--85.1 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Nov. 30-Dec. 31, 1992; Jan. 1-Mar. 24, 1993 when the station was closed. Record was affected by ice in the well and on the control Nov. 3-5, 7, 11-15, 21-29, 1992. Record is good, except for periods of no gage-height record and ice effect, which is fair. Station maintained and records developed by Merlin Friedrichsen.

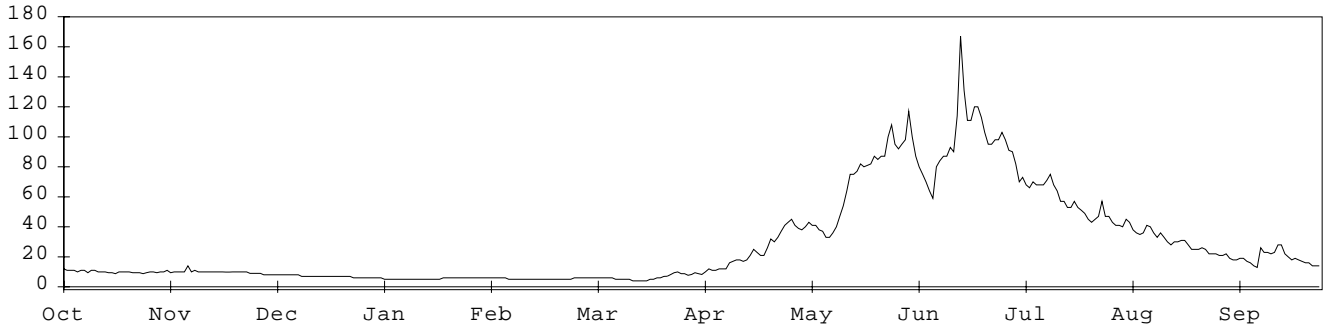
RATING TABLE.--BTNFDRCO10 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	9.4	8.0	6.0	6.0	6.0	8.2	41	95	98	43	21
2	11	10	8.0	5.0	6.0	6.0	9.4	39	98	91	41	21
3	11	10	8.0	5.0	6.0	6.0	8.8	38	117	90	41	22
4	11	10	8.0	5.0	6.0	6.0	8.2	40	100	82	40	19
5	10	10	8.0	5.0	6.0	6.0	10	43	87	70	45	18
6	11	14	8.0	5.0	6.0	6.0	12	41	80	73	43	18
7	11	10	8.0	5.0	5.0	6.0	11	41	75	68	38	19
8	9.4	11	8.0	5.0	5.0	6.0	11	38	70	66	36	19
9	11	10	7.0	5.0	5.0	6.0	12	37	64	70	35	17
10	11	10	7.0	5.0	5.0	5.0	12	33	59	68	36	16
11	10	10	7.0	5.0	5.0	5.0	12	33	80	68	41	14
12	10	10	7.0	5.0	5.0	5.0	16	36	84	68	40	13
13	10	10	7.0	5.0	5.0	5.0	17	40	87	71	36	26
14	9.4	10	7.0	5.0	5.0	5.0	18	47	87	75	33	23
15	9.4	10	7.0	5.0	5.0	4.0	18	54	93	68	36	23
16	8.8	10	7.0	5.0	5.0	4.0	17	64	90	64	33	22
17	10	9.8	7.0	5.0	5.0	4.0	18	75	114	57	30	23
18	10	9.9	7.0	5.0	5.0	4.0	21	75	167	57	28	28
19	10	10	7.0	6.0	5.0	4.0	25	77	131	53	30	28
20	10	10	7.0	6.0	5.0	5.0	23	82	111	53	30	22
21	9.4	10	7.0	6.0	5.0	5.0	21	80	111	57	31	20
22	9.4	10	7.0	6.0	5.0	6.0	21	81	120	53	31	18
23	9.4	10	7.0	6.0	5.0	6.0	26	82	120	51	28	19
24	8.8	9.0	6.0	6.0	5.0	7.0	32	87	113	49	25	18
25	9.4	9.0	6.0	6.0	5.0	7.1	30	85	103	45	25	17
26	10	9.0	6.0	6.0	6.0	8.2	33	87	95	43	25	16
27	10	9.0	6.0	6.0	6.0	9.4	37	87	95	45	26	16
28	9.4	8.0	6.0	6.0	6.0	10	41	100	98	47	25	14
29	10	8.0	6.0	6.0	---	8.8	43	108	98	57	22	14
30	10	8.0	6.0	6.0	---	8.8	45	95	103	47	22	14
31	11	---	6.0	6.0	---	7.7	---	92	---	47	22	---
TOTAL	312.8	294.1	217.0	169.0	149.0	188.0	616.6	1958	2945	1951	1017	578
MEAN	10.1	9.80	7.00	5.45	5.32	6.06	20.6	63.2	98.2	62.9	32.8	19.3
AC-FT	620	583	430	335	296	373	1220	3880	5840	3870	2020	1150
MAX	12	14	8.0	6.0	6.0	10	45	108	167	98	45	28
MIN	8.8	8.0	6.0	5.0	5.0	4.0	8.2	33	59	43	22	13

CAL YR 1992 TOTAL 9773.1 MEAN 26.7 MAX 95 MIN 6.0 AC-FT 19380
WTR YR 1993 TOTAL 10395.5 MEAN 28.5 MAX 167 MIN 4.0 AC-FT 20620

MAX DISCH 211 CFS AT 0300 18-JUN-1993 GH 4.77 FT. SHIFT -0.06 FT. MAX GH 4.77 FT. AT 0300 18-JUN-1993



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 at 8' Parshall flume.

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

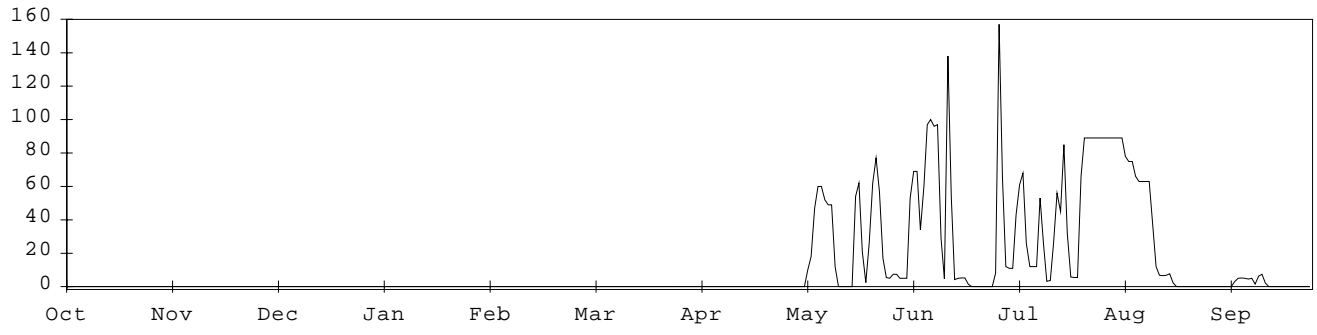
RATING TABLE.--DILTUNCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	157	89	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	65	89	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	12	89	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	11	89	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53	11	89	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	69	43	89	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	69	61	78	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	34	68	75	3.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	60	26	75	5.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	97	12	66	5.2
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	100	12	63	5.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	96	12	63	4.5
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	97	53	63	5.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	29	26	63	1.6
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	3.2	37	6.3
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138	3.7	12	7.4
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	27	6.9	2.2
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	56	6.6	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	45	6.9	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	5.2	85	7.7	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	5.2	32	2.2	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	1.4	5.8	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	5.5	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	5.5	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	0.0	66	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77	0.0	89	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	0.0	89	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	89	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	5.5	0.0	89	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	5.0	8.1	89	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	7.4	---	89	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	753.3	952.3	1437.7	1159.3	45.2
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	31.7	46.4	37.4	1.51
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1490	1890	2850	2300	90
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77	138	157	89	7.4
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0

CAL YR 1992 TOTAL 8606.2 MEAN 23.5 MAX 142 MIN 0.00 AC-FT 17070
WTR YR 1993 TOTAL 4347.8 MEAN 11.9 MAX 157 MIN 0.00 AC-FT 8620

MAX DISCH 217 CFS AT 1355 01-JUL-1993 GH 3.38 FT. SHIFT 0.00 FT. MAX GH 3.38 FT. AT 1355
01-JUL-1993



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. Datum of gage is 5,305.47 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation). Oct. 1, 1949, to Sept. 18, 1977, at present site, datum 8.00 ft lower, Sept. 19, 1977, to July 27, 1980, at present site, datum 1.37 ft, lower. See WSP 1710 or 1730 for history of changes prior to Oct. 1, 1949.

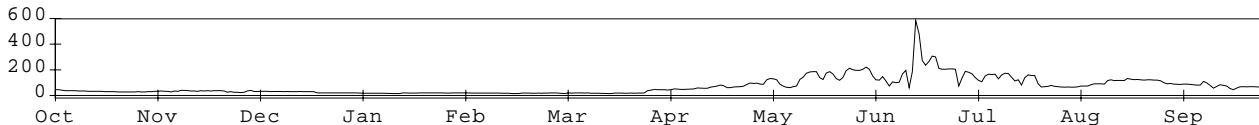
REMARKS.--Record is complete and reliable except for the following periods: Nov. 30; Dec. 1-31, 1992; Jan. 1-31; Feb. 1-28; Mar. 1-16, 1993 when station was closed for winter and May 14-Aug. 12, 1993 when the station was deemed to be unreliable. Chart days were Oct. 25-26; Nov. 8-9, 1992; Apr. 4, 15; May 12; June 18; Sep. 15, 1993. Stage-discharge relation affected by ice Nov. 28-29, 1992. DCP used whenever possible. Record would have to be considered poor, due to the long summer period when the well was deemed to be unreliable and the ice effect in the winter. Diversions from Colorado River basin to Big Thompson River basin upstream from station through Alva B. Adams Tunnel began Aug. 10, 1947. This imported water has been diverted from Lake Estes through Olympus Tunnel bypassing this station. Part of the natural flow of the Big Thompson River has also been diverted through Olympus Tunnel since May 17, 1955, and Dille Tunnel since Apr. 20, 1959, and returned to the river just downstream from this station. Station maintained and records developed by Merlin Friedrichsen.

RATING TABLE.--BTCANYCO14 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	34	32	19	20	20	46	96	197	74	67	100
2	46	35	33	18	20	19	46	89	204	135	65	92
3	42	33	33	18	20	17	45	88	221	188	66	95
4	39	33	33	18	19	16	43	123	205	182	65	89
5	39	29	31	18	19	20	45	133	152	170	65	88
6	39	35	32	18	19	19	52	130	122	140	68	87
7	38	33	32	18	19	20	51	123	120	118	75	90
8	36	40	32	18	19	20	48	88	148	108	74	90
9	36	41	31	17	19	20	48	73	115	153	74	87
10	35	38	32	17	19	19	49	64	75	166	85	84
11	34	35	31	16	19	21	51	61	107	164	92	82
12	34	35	31	16	19	18	52	69	100	166	92	81
13	34	33	31	16	18	18	59	75	104	130	91	110
14	33	38	32	20	18	18	58	125	168	160	89	98
15	33	36	31	21	18	17	57	144	197	174	117	80
16	31	38	30	19	16	17	57	174	62	171	123	58
17	31	36	30	19	15	15	65	183	187	142	117	71
18	31	39	30	19	16	16	69	186	583	114	118	84
19	30	38	22	20	19	19	75	186	482	122	118	80
20	29	38	20	20	19	19	81	140	273	81	117	75
21	29	35	20	20	19	19	77	125	236	140	133	56
22	29	26	20	20	18	18	61	175	266	161	128	45
23	28	30	20	20	18	18	62	187	307	157	124	58
24	28	26	20	20	19	19	67	168	301	156	125	68
25	29	25	20	20	18	18	68	132	212	92	122	69
26	30	23	20	20	19	19	70	119	205	67	121	68
27	29	26	20	19	19	19	73	141	205	70	123	70
28	29	35	20	19	20	20	87	194	208	72	123	70
29	30	40	21	20	---	38	98	213	208	80	120	68
30	31	32	20	20	---	42	94	201	205	72	120	65
31	33	---	20	20	---	48	---	196	---	70	116	---
TOTAL	1042	1015	830	583	520	646	1854	4201	6175	3995	3133	2358
MEAN	33.6	33.8	26.8	18.8	18.6	20.8	61.8	136	206	129	101	78.6
AC-FT	2070	2010	1650	1160	1030	1280	3680	8330	12250	7920	6210	4680
MAX	47	41	33	21	20	48	98	213	583	188	133	110
MIN	28	23	20	16	15	15	43	61	62	67	65	45
CAL YR 1992 TOTAL		22241	MEAN	60.8	MAX	222	MIN	20	AC-FT	44120		
WTR YR 1993 TOTAL		26352	MEAN	72.2	MAX	583	MIN	15	AC-FT	52270		

MAX DISCH 738 CFS AT 2030 18-JUN-1993 GH 3.88 FT. SHIFT -0.12 FT. MAX GH 3.88 FT. AT 2030 18-JUN-1993



PLATTE RIVER BASIN

BUCKHORN CREEK NEAR MASONVILLE, CO

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

DRAINAGE AREA.--

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

REMARKS.--Record is complete and reliable except for the following periods: June 28-Sep. 3, 1993 when the float was beached in the well. Oct. 2, 1992-Apr. 15, 1993 when the station was closed. Sep. 10-13, when the manometer was not working. The graphic chart is good, except for periods of no gage-height record when the float in the well was beached, which is fair. A manometer was installed on Sep. 3, 1993 to eliminate periods of no record when the inlet pipes will not induce water to the well because of an uphill angle caused by the construction of a new bridge beside the station. Record from then on is deemed good. Station maintained and records developed by Merlin Friedrichsen.

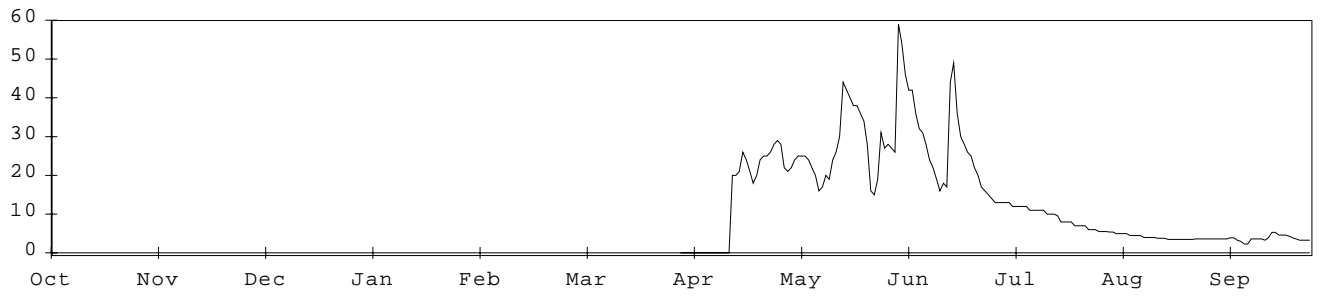
RATING TABLE.--BUCRMVCO05 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	0.0	22	27	13	5.5	3.6
2	---	---	---	---	---	---	0.0	21	26	13	5.5	3.6
3	---	---	---	---	---	---	0.0	22	59	13	5.4	3.6
4	---	---	---	---	---	---	0.0	24	54	13	5.4	3.6
5	---	---	---	---	---	---	0.0	25	46	13	5.0	3.6
6	---	---	---	---	---	---	0.0	25	42	12	5.0	3.6
7	---	---	---	---	---	---	0.0	25	42	12	5.0	3.9
8	---	---	---	---	---	---	0.0	24	36	12	5.0	3.9
9	---	---	---	---	---	---	0.0	22	32	12	4.5	3.3
10	---	---	---	---	---	---	0.0	20	31	12	4.5	3.0
11	---	---	---	---	---	---	0.0	16	28	11	4.5	2.3
12	---	---	---	---	---	---	0.0	17	24	11	4.5	2.3
13	---	---	---	---	---	---	0.0	20	22	11	4.0	3.6
14	---	---	---	---	---	---	0.0	19	19	11	4.0	3.6
15	---	---	---	---	---	---	0.0	24	16	11	4.0	3.6
16	---	---	---	---	---	---	20	26	18	10	4.0	3.6
17	---	---	---	---	---	---	20	30	17	10	3.8	3.3
18	---	---	---	---	---	---	21	44	44	10	3.8	3.9
19	---	---	---	---	---	---	26	42	49	9.6	3.8	5.3
20	---	---	---	---	---	---	24	40	36	8.0	3.5	5.3
21	---	---	---	---	---	---	21	38	30	8.0	3.5	4.6
22	---	---	---	---	---	---	18	38	28	8.0	3.5	4.6
23	---	---	---	---	---	---	20	36	26	8.0	3.5	4.6
24	---	---	---	---	---	---	24	34	25	7.0	3.5	4.3
25	---	---	---	---	---	---	25	28	22	7.0	3.5	3.9
26	---	---	---	---	---	---	25	16	20	7.0	3.5	3.6
27	---	---	---	---	---	---	26	15	17	7.0	3.5	3.3
28	---	---	---	---	---	---	28	19	16	6.0	3.6	3.3
29	---	---	---	---	---	---	29	31	15	6.0	3.6	3.3
30	---	---	---	---	---	---	28	27	14	6.0	3.6	3.3
31	---	---	---	---	---	---	---	28	---	5.5	3.6	---
TOTAL							355	818	881	303.1	129.6	111.3
MEAN							11.8	26.4	29.4	9.78	4.18	3.71
AC-FT							704	1620	1750	601	257	221
MAX							29	44	59	13	5.5	5.3
MIN							0.0	15	14	5.5	3.5	2.3

CAL YR 1992 TOTAL	MEAN	MAX	MIN	AC-FT
WTR YR 1993 TOTAL	2598.0	7.12	59	0.00
				45950
				5150

MAX DISCH 79 CFS AT 1300 03-JUN-1993 GH 4.92 FT. SHIFT 0.04 FT. MAX GH 4.92 FT. AT 1300 03-JUN-1993



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. Station maintained by Northern Colo. Water Conservancy District.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 25, 1992 when DCP data was missing values and no chart data available due to clock stoppage; Feb. 20; Mar. 6, 1993 when DCP data was missing values and chart data was in reversal. Chart gage-heights were used for the following periods: Oct. 10-11, 17-29; Nov. 29-30; Dec. 2-4, 8, 20, 29, 1992; Jan. 6, 26, 28; May 10, 12, 14-31; June 1-18, 21-24, 28-30; July 7, 12, 15, 23, 26-27; Aug. 18, 1993. Record is good, except for period of no gage-height record which is fair. Records developed by Fred H. Renner.

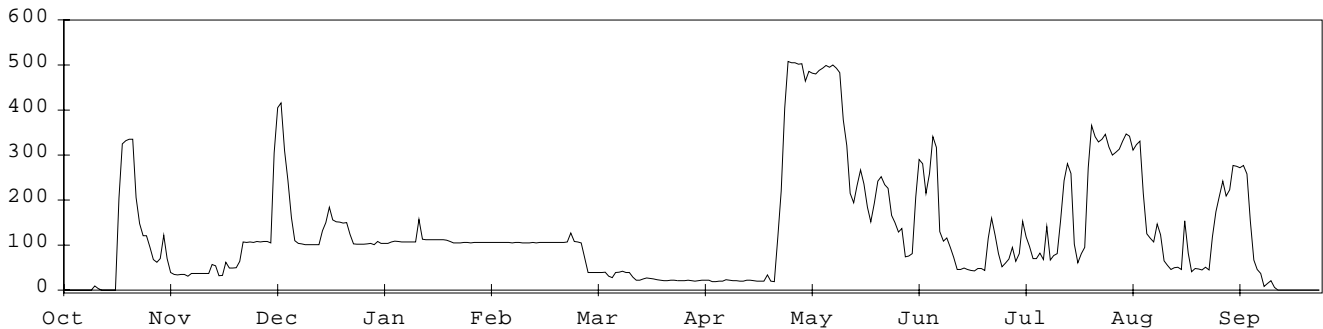
RATING TABLE.--HFCBBSC011 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	39	305	104	106	73	21	505	137	60	300	208
2	0.0	35	405	104	106	39	20	502	74	69	306	242
3	0.0	34	416	104	106	39	21	503	76	95	313	209
4	0.0	35	310	107	106	39	22	464	81	64	331	223
5	0.0	35	244	109	106	39	22	486	207	81	347	277
6	0.0	31	161	108	106	39	22	482	290	153	342	275
7	0.0	37	110	107	106	40	19	480	281	118	311	272
8	0.0	37	104	107	105	31	19	488	215	97	323	277
9	0.0	37	103	107	106	28	20	493	259	70	331	258
10	9.4	37	101	107	106	39	20	499	341	70	215	154
11	3.8	37	101	107	105	40	23	495	317	82	125	67
12	0.0	37	101	157	105	42	22	500	130	68	115	46
13	0.0	57	101	113	105	39	21	493	109	141	107	37
14	0.0	54	101	112	106	39	21	483	116	67	147	8.1
15	0.0	32	132	112	105	29	20	378	95	77	123	15
16	0.0	33	150	112	106	22	20	321	73	81	65	21
17	204	62	184	112	106	22	22	215	46	154	55	6.2
18	325	49	156	112	106	25	22	194	46	243	46	0.0
19	332	49	152	112	106	27	21	232	49	281	50	0.0
20	335	50	151	111	106	26	20	267	46	259	51	0.0
21	335	64	149	108	106	25	20	236	44	102	46	0.0
22	206	107	150	105	106	23	20	184	43	61	154	0.0
23	148	106	124	105	106	22	34	152	48	81	82	0.0
24	121	107	103	105	107	21	20	193	48	95	41	0.0
25	121	106	102	106	127	21	19	242	44	272	48	0.0
26	95	108	102	106	108	22	118	252	115	366	47	0.0
27	68	107	102	105	107	22	220	234	160	341	45	0.0
28	62	108	103	106	105	21	404	226	122	329	51	0.0
29	70	108	104	106	---	21	508	166	81	335	45	0.0
30	122	105	101	106	---	21	505	150	52	346	118	0.0
31	70	---	108	106	---	22	---	129	---	318	174	---
TOTAL	2627.2	1843	4836	3388	2987	958	2286	10644	3745	4976	4854	2595.3
MEAN	84.7	61.4	156	109	107	30.9	76.2	343	125	161	157	86.5
AC-FT	5210	3660	9590	6720	5920	1900	4530	21110	7430	9870	9630	5150
MAX	335	108	416	157	127	73	508	505	341	366	347	277
MIN	0.0	31	101	104	105	21	19	129	43	60	41	0.0

CAL YR 1992 TOTAL 52947.2 MEAN 145 MAX 465 MIN 0.00 AC-FT 105000
WTR YR 1993 TOTAL 45739.5 MEAN 125 MAX 508 MIN 0.00 AC-FT 90720

MAX DISCH 517 CFS AT 1300 11-MAY-1993 GH 8.00 FT. SHIFT 0.00 FT. MAX GH 8.00 FT. AT 1300 11-MAY-1993



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 at 15' Parshall flume. Station maintained by U.S. Bureau of Reclamation.

REMARKS.--Record is good. Flow at station is intermittent depending on operation of power plant and flow north. The wasteway serves as both a safety valve and delivery system returning water back to the Big Thompson River. The chart record was used for the following period; June 18-22; July 12, 15-16, 23; Sept. 19, 1993. The DCP is the primary record with the graphic chart as backup. Records developed by Fred H. Renner.

RATING TABLE.--HFCWASCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

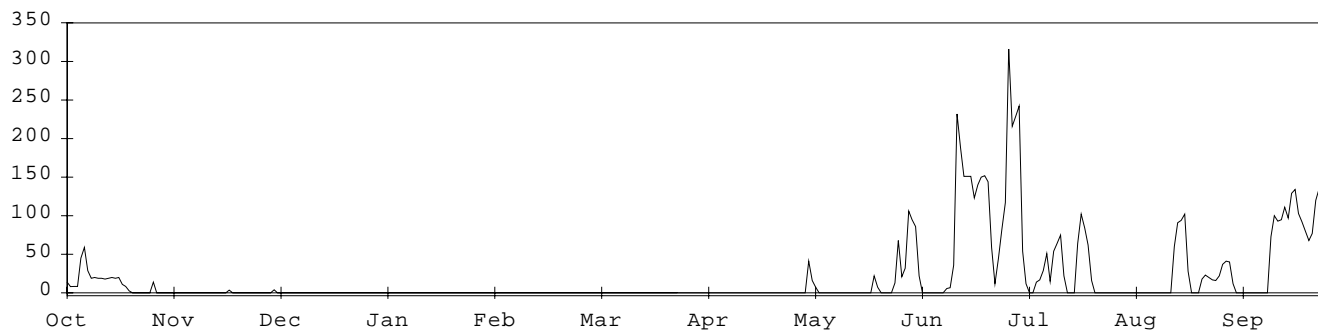
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	316	0.0	37
2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	106	216	0.0	41
3	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95	229	0.0	40
4	8.4	0.0	0.0	0.0	0.0	0.0	0.0	41	86	242	0.0	12
5	45	0.0	0.0	0.0	0.0	0.0	0.0	16	22	54	0.0	0.0
6	59	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	12	0.0	0.0
7	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	0.0
10	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0
11	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	0.0	0.0
12	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	0.0	0.0
13	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	15	0.0	0.0
14	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	54	0.0	0.0
15	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	64	0.0	73
16	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	232	75	0.0	100
17	11	3.7	0.0	0.0	0.0	0.0	0.0	0.0	188	22	0.0	93
18	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	151	0.0	60	95
19	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	151	0.0	91	111
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	151	0.0	94	97
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	123	64	102	129
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140	102	28	134
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	150	84	0.0	103
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	152	62	0.0	92
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144	16	0.0	80
26	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59	0.0	18	68
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	23	77
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	0.0	20	120
29	0.0	0.0	0.0	0.0	---	0.0	0.0	13	82	0.0	17	136
30	0.0	4.0	0.0	0.0	---	0.0	0.0	68	117	0.0	16	53
31	0.0	---	0.0	0.0	---	0.0	---	21	---	0.0	22	---
TOTAL	381.0	7.7	0.0	0.0	0.0	0.0	0.0	195.9	2286.6	1738	491	1691
MEAN	12.3	0.26	0.0	0.0	0.0	0.0	0.0	6.32	76.2	56.1	15.8	56.4
AC-FT	756	15	0.0	0.0	0.0	0.0	0.0	389	4540	3450	974	3350
MAX	59	4.0	0.0	0.0	0.0	0.0	0.0	68	232	316	102	136
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 1992 TOTAL 2619.7 MEAN 7.16 MAX 202 MIN 0.00 AC-FT 5200

WTR YR 1993 TOTAL 6791.2 MEAN 18.6 MAX 316 MIN 0.00 AC-FT 13470

MAX DISCH 530 CFS AT 0700 04-JUL-1993 GH 3.81 FT. SHIFT 0.00 FT. MAX GH 3.81 FT. AT 0700 04-JUL-1993



PLATTE RIVER BASIN

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

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

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

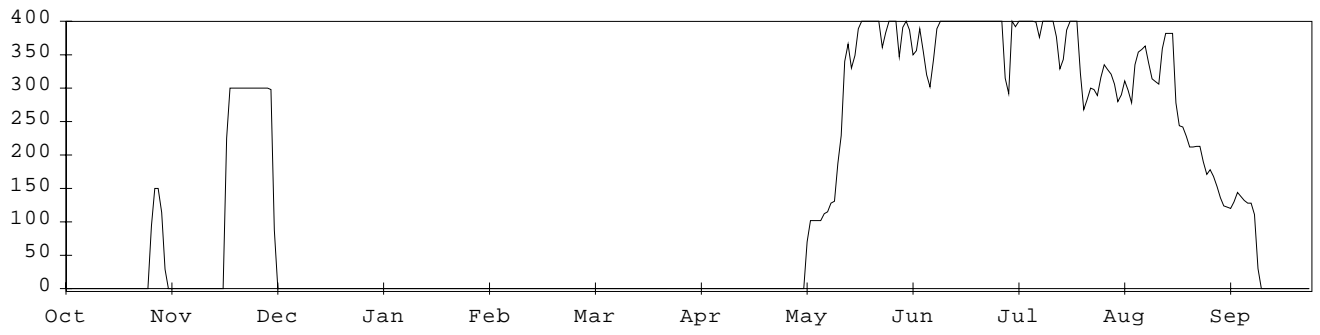
REMARKS.--Record is complete and reliable except for the following periods: Oct. 1-25, 31; Nov. 1-16, 1992; Dec. 2, 1992-May 5, 1993 when canal was off; Oct. 26-30; Nov. 17-24, 1992; May 16-28; June 3-5; July 4-9, 25-26; Aug. 18-Sep. 15, 1993 when chart trace was reading inaccurately. Record was computed using daily notations from Bureau of Reclamation personnel usually made at 0700 hours. This time slot represented cfs adjustments made in light of water available to Bureau for power generation. The chart records cubic feet per second not gage-heights. Station maintained by U.S. Bureau of Reclamation. Record is fair. Records developed by Fred H. Renner.

RATING TABLE.--HFCPP LCO2 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	88	0.0	0.0	0.0	0.0	0.0	400	400	335	178
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	347	400	328	168
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	391	315	321	153
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400	292	306	136
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	387	400	280	124
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70	350	392	290	122
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	356	400	311	120
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	389	400	297	130
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	355	400	278	144
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	320	400	335	138
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112	302	400	354	132
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115	343	399	358	128
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	128	389	376	363	128
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	131	400	400	338	111
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	187	400	400	314	30
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	229	400	400	310	0.0
17	0.0	225	0.0	0.0	0.0	0.0	0.0	340	400	400	306	0.0
18	0.0	300	0.0	0.0	0.0	0.0	0.0	366	400	377	359	0.0
19	0.0	300	0.0	0.0	0.0	0.0	0.0	330	400	329	382	0.0
20	0.0	300	0.0	0.0	0.0	0.0	0.0	349	400	343	382	0.0
21	0.0	300	0.0	0.0	0.0	0.0	0.0	389	400	387	382	0.0
22	0.0	300	0.0	0.0	0.0	0.0	0.0	400	400	400	278	0.0
23	0.0	300	0.0	0.0	0.0	0.0	0.0	400	400	400	244	0.0
24	0.0	300	0.0	0.0	0.0	0.0	0.0	400	400	400	242	0.0
25	0.0	300	0.0	0.0	0.0	0.0	0.0	400	400	322	228	0.0
26	94	300	0.0	0.0	0.0	0.0	0.0	400	400	268	212	0.0
27	150	300	0.0	0.0	0.0	0.0	0.0	400	400	283	212	0.0
28	150	300	0.0	0.0	0.0	0.0	0.0	361	400	300	213	0.0
29	114	300	0.0	0.0	---	0.0	0.0	383	400	298	213	0.0
30	29	298	0.0	0.0	---	0.0	0.0	400	400	289	190	0.0
31	0.0	---	0.0	0.0	---	0.0	---	400	---	316	171	---
TOTAL	537	4123	88	0.0	0.0	0.0	0.0	7098	11529	11286	9132	1942
MEAN	17.3	137	2.84	0.0	0.0	0.0	0.0	229	384	364	295	64.7
AC-FT	1070	8180	175	0.0	0.0	0.0	0.0	14080	22870	22390	18110	3850
MAX	150	300	88	0.0	0.0	0.0	0.0	400	400	400	382	178
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	302	268	171	0.0
CAL YR 1992 TOTAL		39921	MEAN	109	MAX	400	MIN	0.00	AC-FT	79180		
WTR YR 1993 TOTAL		45735	MEAN	125	MAX	400	MIN	0.00	AC-FT	90720		

NO PEAK DATA AVAILABLE



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 at 10' Parshall Flume.

REMARKS.--Station maintained by NCWCD. Record developed by Rodger Burcher.

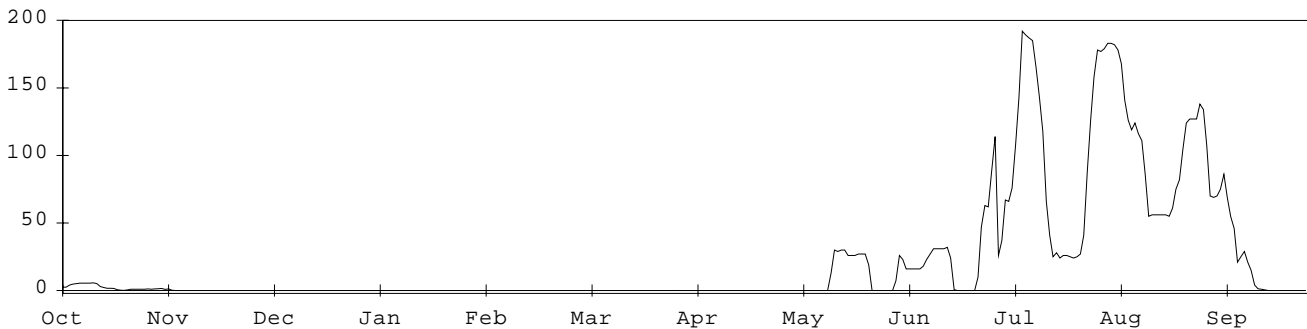
RATING TABLE.--BCSCBCC002 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114	177	107
2	2.5	0.34	0.0	0.0	0.0	0.0	0.0	0.0	7.2	26	179	70
3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	37	183	69
4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	67	183	70
5	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	66	182	75
6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	76	178	86
7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	108	168	69
8	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	143	141	55
9	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	192	126	46
10	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	189	119	21
11	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	187	124	25
12	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	185	116	29
13	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	165	111	21
14	1.7	0.0	0.0	0.0	0.0	0.0	0.0	13	31	143	86	15
15	1.7	0.0	0.0	0.0	0.0	0.0	0.0	30	31	118	55	4.0
16	1.5	0.0	0.0	0.0	0.0	0.0	0.0	29	31	66	56	1.3
17	0.69	0.0	0.0	0.0	0.0	0.0	0.0	30	32	41	56	0.99
18	0.23	0.0	0.0	0.0	0.0	0.0	0.0	30	24	25	56	0.52
19	0.14	0.0	0.0	0.0	0.0	0.0	0.0	26	0.69	28	56	0.0
20	0.56	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	24	56	0.0
21	0.99	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	26	55	0.0
22	0.99	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0	26	61	0.0
23	0.99	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0	25	75	0.0
24	0.99	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0	24	82	0.0
25	0.99	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	25	105	0.0
26	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	27	124	0.0
27	0.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	41	127	0.0
28	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	88	127	0.0
29	1.3	0.0	0.0	0.0	---	0.0	0.0	0.0	62	126	127	0.0
30	1.5	0.0	0.0	0.0	---	0.0	0.0	0.0	88	158	138	0.0
31	0.84	---	0.0	0.0	---	0.0	---	0.0	---	178	134	---
TOTAL	75.10	1.55	0.0	0.0	0.0	0.0	0.0	310	654.69	2744	3563	764.81
MEAN	2.42	0.05	0.0	0.0	0.0	0.0	0.0	10.0	21.8	88.5	115	25.5
AC-FT	149	3.1	0.0	0.0	0.0	0.0	0.0	615	1300	5440	7070	1520
MAX	5.7	1.2	0.0	0.0	0.0	0.0	0.0	30	88	192	183	107
MIN	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	55	0.0

CAL YR 1992 TOTAL 10624.54 MEAN 29.0 MAX 198 MIN 0.00 AC-FT 21070
WTR YR 1993 TOTAL 8113.14 MEAN 22.2 MAX 192 MIN 0.00 AC-FT 16090

NO PEAK DATA AVAILABLE



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 at 10' Parshall Flume.

REMARKS.--Record is complete and reliable except for the following period: May 12-13, 1993 when clock was not working and lack of information provided by personnel; Oct. 31, 1992-May 11, 1993 when station was closed for the winter. Record is good. Period of no gage-height record was estimated using partial chart record and data provided by NCWCD. Station maintained by NCWCD. Record developed by Fred Renner.

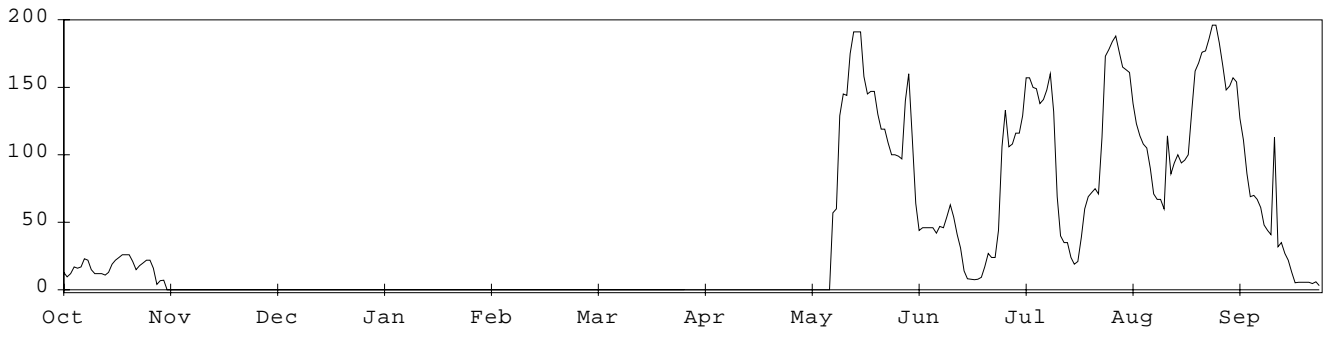
RATING TABLE.--BFCLYOCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97	133	184	183
2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140	106	188	166
3	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	160	108	176	148
4	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	113	116	165	151
5	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64	116	163	157
6	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	129	161	154
7	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	157	138	127
8	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	157	123	111
9	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	150	114	86
10	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	149	108	69
11	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	138	105	70
12	12	0.0	0.0	0.0	0.0	0.0	0.0	57	47	141	90	67
13	11	0.0	0.0	0.0	0.0	0.0	0.0	60	46	148	71	61
14	13	0.0	0.0	0.0	0.0	0.0	0.0	129	54	160	67	48
15	19	0.0	0.0	0.0	0.0	0.0	0.0	145	63	132	67	44
16	22	0.0	0.0	0.0	0.0	0.0	0.0	144	54	69	60	41
17	24	0.0	0.0	0.0	0.0	0.0	0.0	175	41	40	114	113
18	26	0.0	0.0	0.0	0.0	0.0	0.0	191	31	35	86	32
19	26	0.0	0.0	0.0	0.0	0.0	0.0	191	14	35	94	35
20	26	0.0	0.0	0.0	0.0	0.0	0.0	191	8.2	24	100	27
21	21	0.0	0.0	0.0	0.0	0.0	0.0	158	7.9	19	94	22
22	15	0.0	0.0	0.0	0.0	0.0	0.0	145	7.5	21	96	13
23	18	0.0	0.0	0.0	0.0	0.0	0.0	147	7.9	39	100	5.3
24	20	0.0	0.0	0.0	0.0	0.0	0.0	147	9.3	60	131	5.6
25	22	0.0	0.0	0.0	0.0	0.0	0.0	130	17	69	162	5.6
26	22	0.0	0.0	0.0	0.0	0.0	0.0	119	27	72	168	5.6
27	16	0.0	0.0	0.0	0.0	0.0	0.0	119	24	75	176	5.6
28	4.1	0.0	0.0	0.0	0.0	0.0	0.0	109	24	71	177	4.7
29	6.8	0.0	0.0	0.0	---	0.0	0.0	100	44	113	186	5.9
30	7.2	0.0	0.0	0.0	---	0.0	0.0	100	106	173	196	3.1
31	0.0	---	0.0	0.0	---	0.0	---	99	---	178	196	---
TOTAL	499.8	0.0	0.0	0.0	0.0	0.0	0.0	2656	1476.8	3133	4056	1966.4
MEAN	16.1	0.0	0.0	0.0	0.0	0.0	0.0	85.7	49.2	101	131	65.5
AC-FT	991	0.0	0.0	0.0	0.0	0.0	0.0	5270	2930	6210	8050	3900
MAX	26	0.0	0.0	0.0	0.0	0.0	0.0	191	160	178	196	183
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	19	60	3.1

CAL YR 1992 TOTAL 13871.80 MEAN 37.9 MAX 199 MIN 0.00 AC-FT 27510
WTR YR 1993 TOTAL 13788.0 MEAN 37.8 MAX 196 MIN 0.00 AC-FT 27350

MAX DISCH 196 CFS AT 1330 17-MAY-1993 GH 2.68 FT. SHIFT 0.00 FT. MAX GH 2.68 FT. AT 1330
17-MAY-1993



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 at 4' Parshall Flume.

REMARKS.--Station maintained by NCWCD. Record developed by Rodger Burcher.

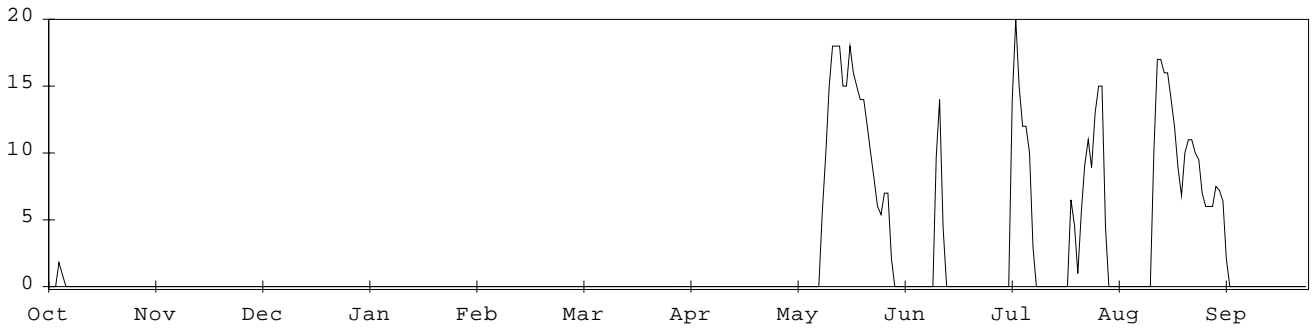
RATING TABLE.--BFCLHCC02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	15	6.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	15	6.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	6.0
4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
5	0.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	2.1
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	2.9	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	9.7	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	14	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	4.4	0.0	10	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	17	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	17	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	16	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	16	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0	14	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	12	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	6.5	8.9	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	4.6	6.8	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.98	10	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	5.6	11	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.0	9.1	11	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	6.0	0.0	11	10	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	5.4	0.0	8.9	9.5	0.0
31	0.0	---	0.0	0.0	---	0.0	---	7.0	---	13	7.0	---
TOTAL	2.68	0.0	0.0	0.0	0.0	0.0	0.0	240.1	37.2	145.58	210.6	41.2
MEAN	0.09	0.0	0.0	0.0	0.0	0.0	0.0	7.75	1.24	4.70	6.79	1.37
AC-FT	5.3	0.0	0.0	0.0	0.0	0.0	0.0	476	74	289	418	82
MAX	1.8	0.0	0.0	0.0	0.0	0.0	0.0	18	14	20	17	7.5
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 1992 TOTAL 796.48 MEAN 2.18 MAX 22 MIN 0.00 AC-FT 1580
WTR YR 1993 TOTAL 677.36 MEAN 1.86 MAX 20 MIN 0.00 AC-FT 1340

MAX DISCH 21 CFS AT 07-JUL-1993 GH 1.20 FT. SHIFT 998877.00 FT. MAX GH 1.20 FT. AT 07-JUL-1993



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.

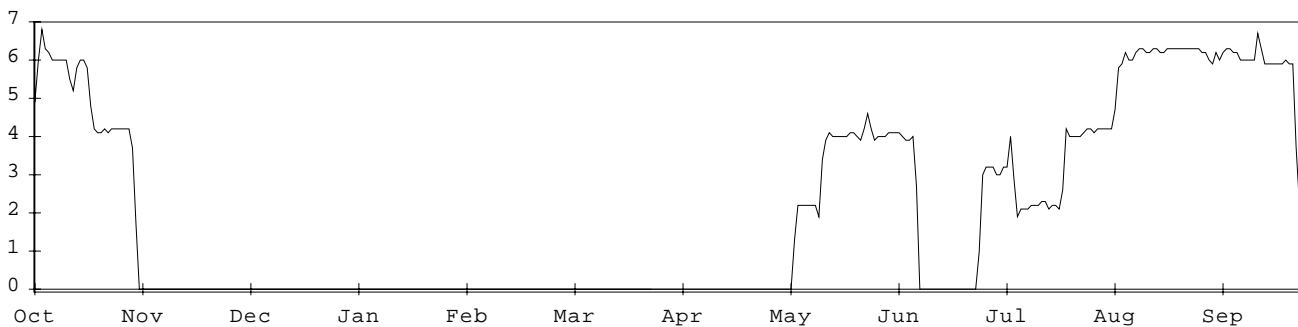
REMARKS.--Estimated days May 8-10; Sep. 12-14, 16-18, 1993. Station maintained by NCWCD. Record developed by Rodger Burcher.

RATING TABLE.--DRYCRKCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.2	4.1	6.2
2	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.2	4.2	6.2
3	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.2	4.2	6.0
4	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.0	4.2	5.9
5	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.0	4.2	6.2
6	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.2	4.2	6.0
7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.0	3.2	4.7	6.2
8	6.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	3.9	4.0	5.8	6.3
9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	3.9	2.9	5.9	6.3
10	6.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.0	1.9	6.2	6.2
11	5.5	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.7	2.1	6.0	6.2
12	5.2	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.1	6.0	6.0
13	5.8	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.1	6.2	6.0
14	6.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	2.2	6.3	6.0
15	6.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	2.2	6.3	6.0
16	5.8	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	2.2	6.2	6.0
17	4.8	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	2.3	6.2	6.7
18	4.2	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.3	6.3	6.3
19	4.1	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.1	6.3	5.9
20	4.1	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.2	6.2	5.9
21	4.2	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.2	6.2	5.9
22	4.1	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.1	6.3	5.9
23	4.2	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	2.6	6.3	5.9
24	4.2	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	4.2	6.3	5.9
25	4.2	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	4.0	6.3	6.0
26	4.2	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	4.0	6.3	5.9
27	4.2	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	4.0	6.3	5.9
28	4.2	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	4.0	6.3	3.7
29	3.7	0.0	0.0	0.0	---	0.0	0.0	4.2	0.98	4.1	6.3	2.1
30	1.7	0.0	0.0	0.0	---	0.0	0.0	3.9	3.0	4.2	6.3	2.0
31	0.0	---	0.0	0.0	---	0.0	---	4.0	---	4.2	6.3	---
TOTAL	150.6	0.0	0.0	0.0	0.0	0.0	0.0	84.8	46.88	92.2	178.9	171.7
MEAN	4.86	0.0	0.0	0.0	0.0	0.0	0.0	2.74	1.56	2.97	5.77	5.72
AC-FT	299	0.0	0.0	0.0	0.0	0.0	0.0	168	93	183	355	341
MAX	6.8	0.0	0.0	0.0	0.0	0.0	0.0	4.6	4.1	4.2	6.3	6.7
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	4.1	2.0
CAL YR 1992 TOTAL		783.99	MEAN	2.14	MAX	6.8	MIN	0.00	AC-FT	1560		
WTR YR 1993 TOTAL		725.08	MEAN	1.99	MAX	6.8	MIN	0.00	AC-FT	1440		

NO PEAK DATA AVAILABLE



PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

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

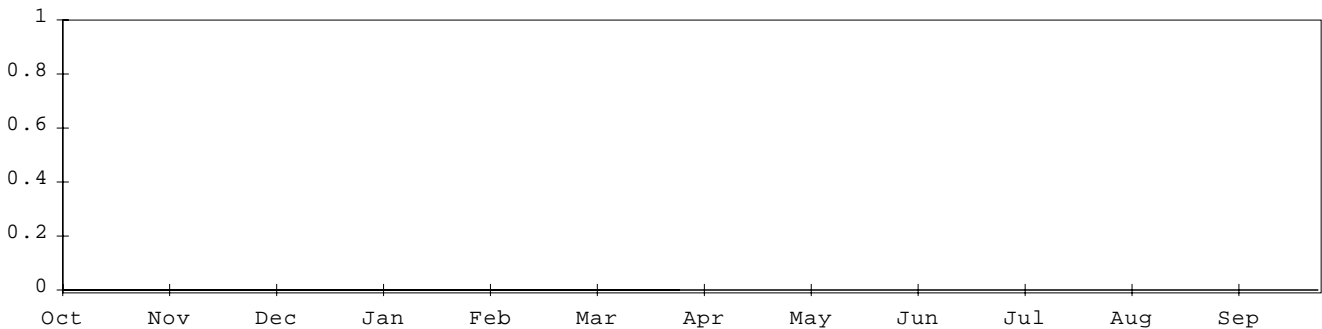
RATING TABLE.--HFCCRC001 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

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

CAL YR 1992 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1993 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00

NO PEAK DATA AVAILABLE



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.

REMARKS.--Station maintained by NCWCD. Record good except for May 13-14, 1993 when data was missing. Record developed by Rodger Burcher.

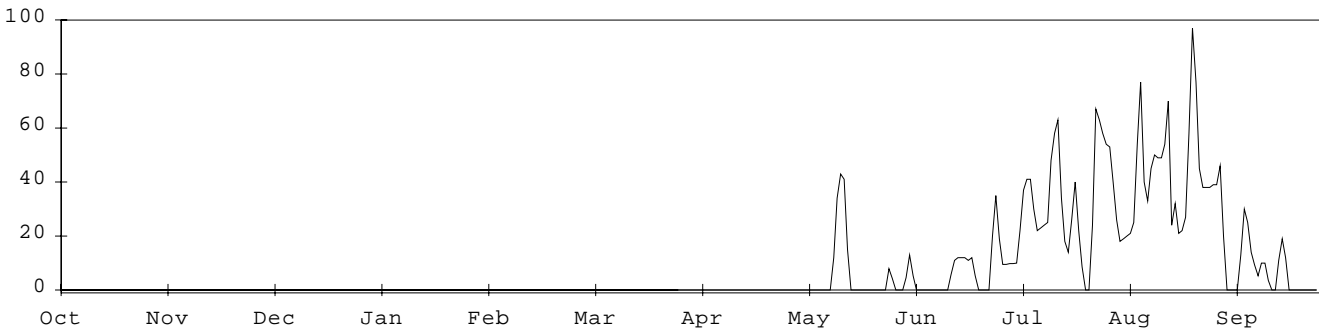
RATING TABLE.--SPSCFLCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

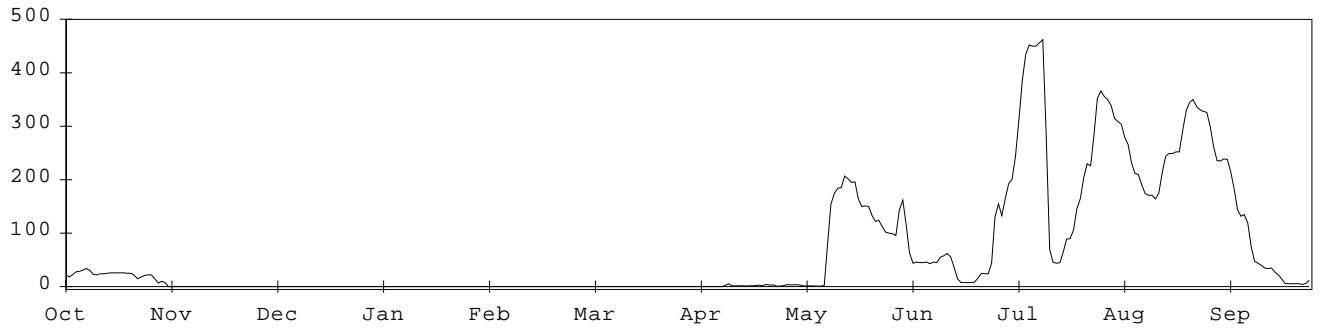
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	53	39
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	40	46
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	9.8	26	20
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	9.8	18	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	10	19	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	20	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	21	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	25	13
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	54	30
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	77	25
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	40	14
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	33	9.3
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	24	45	5.3
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34	0.0	25	50	10
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	0.0	48	49	10
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	5.7	58	49	3.6
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	11	63	54	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	34	70	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	18	24	11
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	14	32	19
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	26	21	12
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	40	22	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	22	27	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	58	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	45	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	67	38	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	7.9	35	63	38	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	4.3	19	58	38	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	54	39	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	157.2	177.9	911.2	1299	267.2
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.07	5.93	29.4	41.9	8.91
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312	353	1810	2580	530
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	35	67	97	46
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0

CAL YR 1992 TOTAL 2917.5 MEAN 7.97 MAX 120 MIN 0.00 AC-FT 5790
WTR YR 1993 TOTAL 2812.5 MEAN 7.71 MAX 97 MIN 0.00 AC-FT 5580

MAX DISCH 103 CFS AT 0945 25-AUG-1993 GH 2.07 FT. SHIFT 0.00 FT. MAX GH 2.07 FT. AT 0945 25-AUG-1993





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.

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

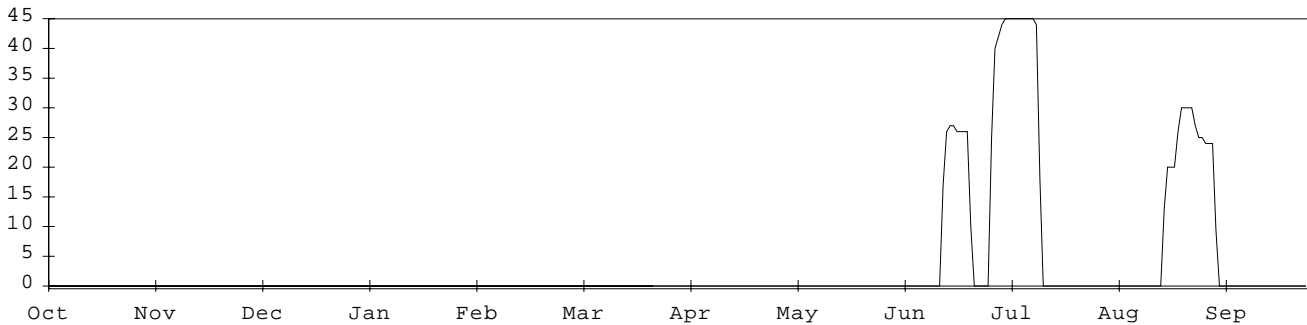
RATING TABLE.--SVSLT1CO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0	24
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	0.0	24
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	0.0	24
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	0.0	9.5
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0	13	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	20	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	20	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	20	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	0.0	26	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	30	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	27	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	25	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	25	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	211	618	296	81.5
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.03	19.9	9.55	2.72
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	419	1230	587	162
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	45	30	24
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 1992 TOTAL 511.0 MEAN 1.40 MAX 20 MIN 0.00 AC-FT 1010
WTR YR 1993 TOTAL 1206.5 MEAN 3.31 MAX 45 MIN 0.00 AC-FT 2390

MAX DISCH 47 CFS AT 0930 05-JUL-1993 GH 1.99 FT. SHIFT 0.00 FT. MAX GH 1.99 FT. AT 0930 05-JUL-1993



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.

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

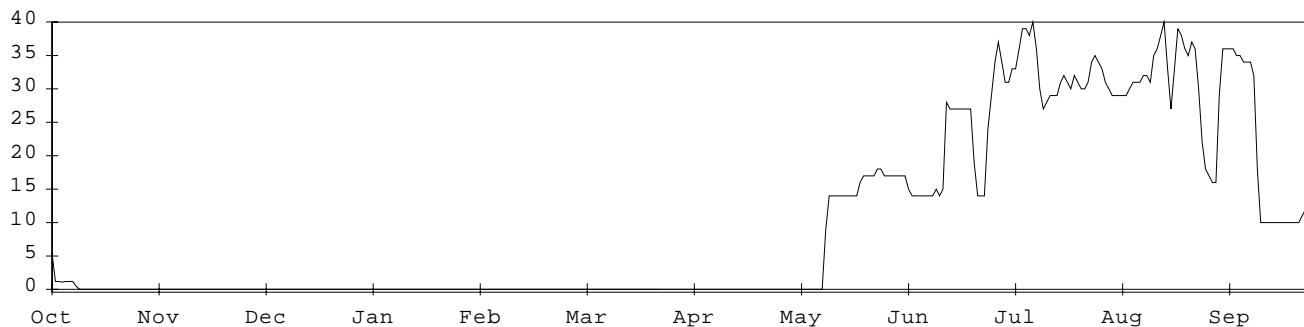
RATING TABLE.--SVSLT2C003 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	34	33	17
2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	37	31	16
3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	34	30	16
4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	31	29	29
5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	31	29	36
6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	33	29	36
7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	33	29	36
8	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	36	29	36
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	39	30	35
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	39	31	35
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	38	31	34
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	40	31	34
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	14	36	32	34
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	15	30	32	32
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	14	27	31	18
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	15	28	35	10
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	28	29	36	10
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	27	29	38	10
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	27	29	40	10
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	27	31	33	10
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	27	32	27	10
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	27	31	33	10
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	27	30	39	10
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	27	32	38	10
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	19	31	36	10
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	14	30	35	10
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	14	30	37	10
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	14	31	36	11
29	0.0	0.0	0.0	0.0	---	0.0	0.0	18	24	34	30	12
30	0.0	0.0	0.0	0.0	---	0.0	0.0	17	29	35	22	12
31	0.0	---	0.0	0.0	---	0.0	---	17	---	34	18	---
TOTAL	12.88	0.0	0.0	0.0	0.0	0.0	0.0	288.8	573	1014	990	599
MEAN	0.42	0.0	0.0	0.0	0.0	0.0	0.0	9.32	19.1	32.7	31.9	20.0
AC-FT	26	0.0	0.0	0.0	0.0	0.0	0.0	573	1140	2010	1960	1190
MAX	5.3	0.0	0.0	0.0	0.0	0.0	0.0	18	29	40	40	36
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	27	18	10

CAL YR 1992 TOTAL 2534.98 MEAN 6.93 MAX 43 MIN 0.00 AC-FT 5030
WTR YR 1993 TOTAL 3477.68 MEAN 9.53 MAX 40 MIN 0.00 AC-FT 6900

MAX DISCH 41 CFS AT 1035 08-JUL-1993 GH 1.82 FT. SHIFT 0.00 FT. MAX GH 1.82 FT. AT 1035
08-JUL-1993



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 at 4' Parshall Flume.

REMARKS.--Station maintained by NCWCD. Record is complete and reliable except for the following period:
Oct. 1, 1992-May 13, 1993 when station was closed. Record is good. Record developed by Fred Renner.

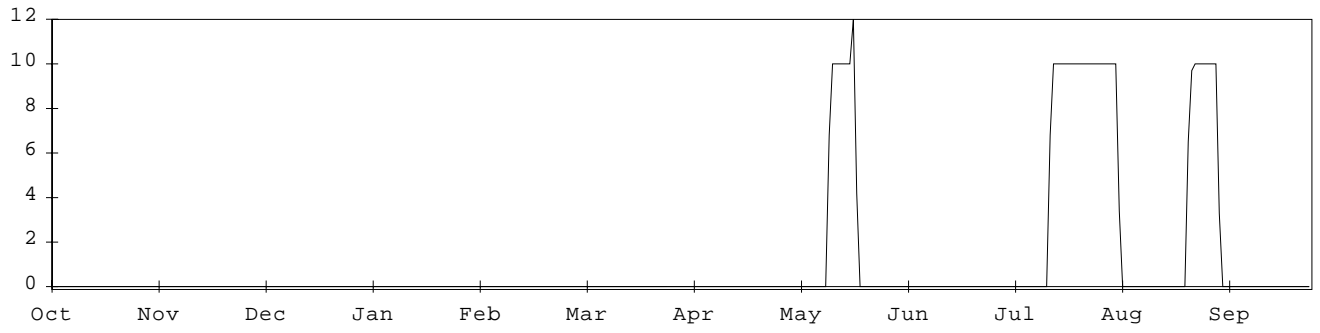
RATING TABLE.--SVSHERCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	3.3
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	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	6.8	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	6.8	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	10	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	10	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	10	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	10	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	10	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	6.5	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	9.7	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	10	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	10	10	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	10	10	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	10	10	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.0	0.0	146.8	109.6	33.3
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.68	0.0	4.74	3.54	1.11
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	165	0.0	291	217	66
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	10	10	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 1992 TOTAL 483.38 MEAN 1.32 MAX 10 MIN 0.00 AC-FT 959
WTR YR 1993 TOTAL 372.7 MEAN 1.02 MAX 12 MIN 0.00 AC-FT 739

MAX DISCH 13 CFS AT 0815 21-MAY-1993 GH 0.86 FT. SHIFT 0.00 FT. MAX GH 0.86 FT. AT 0815
21-MAY-1993



PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--N/A

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

REMARKS.--Station maintained by NCWCD. Estimated days are DCP data from NCWCD. These values are used when no water was ordered to the Cache La Poudre River. This represents seepage. These days are: Oct. 1-13, 17-22, 30, 1992; Apr. 20-21, 27-30; May 1-5, 23-31; June 1-13, 17-27; July 17-24; Sep. 18-30, 1993. DCP values were also used on Aug. 14 and Sep. 14-17, 1993. These days had water ordered but very small amounts, ranging from 2.1-8.5 cfs. Record developed by George Sievers.

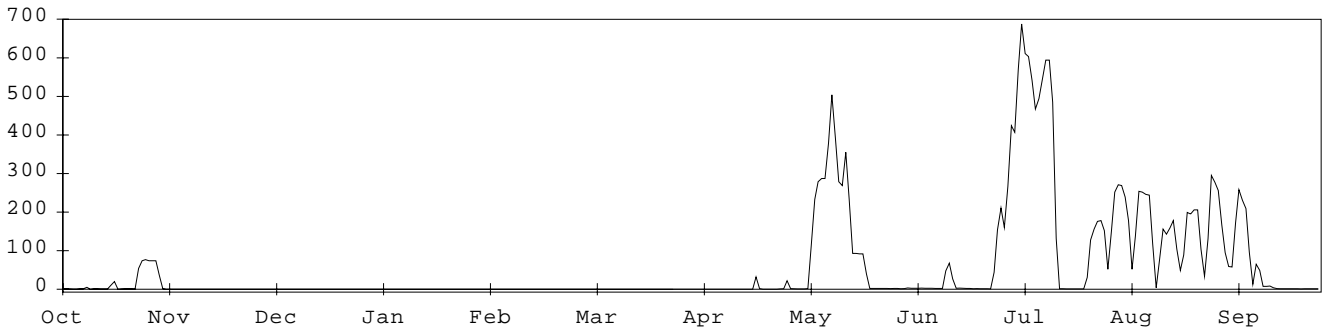
RATING TABLE.--HSCCLPC002 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	0.57	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.3	160	150	256	
2	0.91	0.0	0.0	0.0	0.0	0.0	0.0	0.94	1.8	267	252	167	
3	0.95	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.5	424	271	95	
4	0.67	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.7	407	269	59	
5	0.58	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.6	570	239	58	
6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	113	2.9	688	178	172	
7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	233	3.2	611	52	258	
8	5.2	0.0	0.0	0.0	0.0	0.0	0.0	279	2.9	603	138	231	
9	0.44	0.0	0.0	0.0	0.0	0.0	0.0	287	2.6	542	254	209	
10	1.6	0.0	0.0	0.0	0.0	0.0	0.0	287	2.5	467	252	96	
11	1.4	0.0	0.0	0.0	0.0	0.0	0.0	379	2.3	494	246	13	
12	1.2	0.0	0.0	0.0	0.0	0.0	0.0	504	2.3	545	244	65	
13	1.1	0.0	0.0	0.0	0.0	0.0	0.0	392	2.1	594	118	49	
14	1.1	0.0	0.0	0.0	0.0	0.0	0.0	279	48	594	4.2	7.8	
15	11	0.0	0.0	0.0	0.0	0.0	0.0	269	68	485	77	7.9	
16	20	0.0	0.0	0.0	0.0	0.0	0.0	355	27	132	156	8.2	
17	0.40	0.0	0.0	0.0	0.0	0.0	0.0	234	2.8	1.7	143	4.1	
18	0.83	0.0	0.0	0.0	0.0	0.0	0.0	93	3.0	1.4	159	1.9	
19	1.6	0.0	0.0	0.0	0.0	0.0	0.0	93	2.8	1.2	178	1.5	
20	1.6	0.0	0.0	0.0	0.0	0.0	0.0	32	92	2.4	1.2	104	1.4
21	1.6	0.0	0.0	0.0	0.0	0.0	1.9	92	2.3	1.1	49	1.4	
22	0.88	0.0	0.0	0.0	0.0	0.0	0.0	40	1.5	1.2	89	1.4	
23	54	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.8	1.0	199	1.4	
24	74	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.7	0.88	195	1.4	
25	77	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.6	31	206	1.2	
26	74	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.4	128	206	1.3	
27	74	0.0	0.0	0.0	0.0	0.0	1.2	2.2	0.76	156	104	1.3	
28	74	0.0	0.0	0.0	0.0	0.0	1.6	2.1	44	176	34	1.3	
29	37	0.0	0.0	0.0	---	0.0	22	1.9	154	178	131	1.4	
30	1.8	0.0	0.0	0.0	---	0.0	1.8	2.3	211	152	295	1.4	
31	0.0	---	0.0	0.0	---	0.0	---	2.2	---	52	277	---	
TOTAL	522.32	0.0	0.0	0.0	0.0	0.0	60.5	4047.04	606.76	8465.68	5269.2	1774.3	
MEAN	16.8	0.0	0.0	0.0	0.0	0.0	2.02	131	20.2	273	170	59.1	
AC-FT	1040	0.0	0.0	0.0	0.0	0.0	120	8030	1200	16790	10450	3520	
MAX	77	0.0	0.0	0.0	0.0	0.0	32	504	211	688	295	258	
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.76	0.88	4.2	1.2	

CAL YR 1992 TOTAL 23440.52 MEAN 64.0 MAX 766 MIN 0.00 AC-FT 46490
WTR YR 1993 TOTAL 20745.80 MEAN 56.8 MAX 688 MIN 0.00 AC-FT 41150

MAX DISCH 751 CFS AT 0655 07-JUL-1993 GH 4.09 FT. SHIFT 0.00 FT. MAX GH 4.09 FT. AT 0655 07-JUL-1993



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.

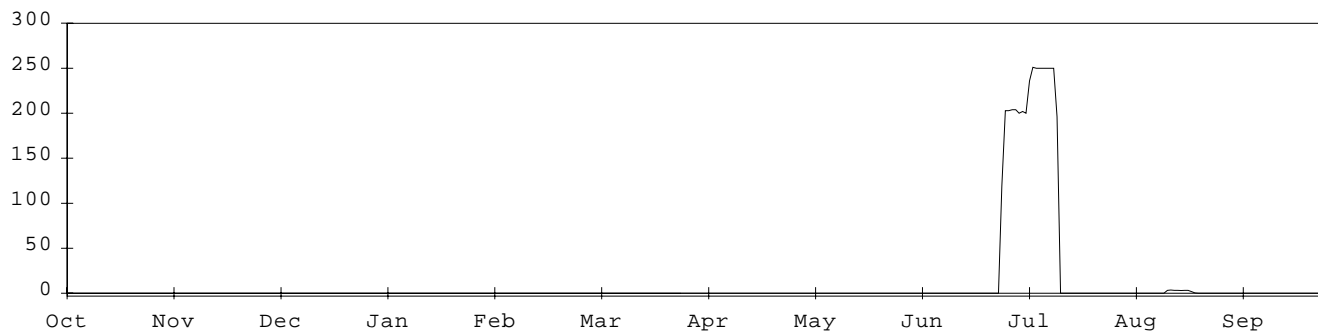
RATING TABLE.--HSCPVD002 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	203	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	204	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	204	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	202	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	236	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	251	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	196	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	3.3	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.40	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	119	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	203	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	322	3396	25.40	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	110	0.82	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	639	6740	50	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	203	251	3.6	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 1992 TOTAL	376.5	MEAN	1.03	MAX	151	MIN	0.00	AC-FT	747
WTR YR 1993 TOTAL	3743.40	MEAN	10.3	MAX	251	MIN	0.00	AC-FT	7430

MAX DISCH	260 CFS AT 1030	11-JUL-1993	GH	2.92 FT.	SHIFT	0.00 FT.	MAX GH	2.92 FT. AT 1030
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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. 1-31, 1992-Apr. 22, 1993 when the station was closed; July 22-31; Aug. 1-4, 1993 when the float was beached in the well due to the isolation of the inlet pipes in the stream. The graphic chart is good, except for a period of no gage-height record when the float in the well was beached, which is fair. A new inlet pipe was added on Aug. 4, 1993 to help the inlet pipes from becoming isolated at low gage-height levels, Record from then on is deemed good. Station maintained and records developed by Merlin Friedrichsen.

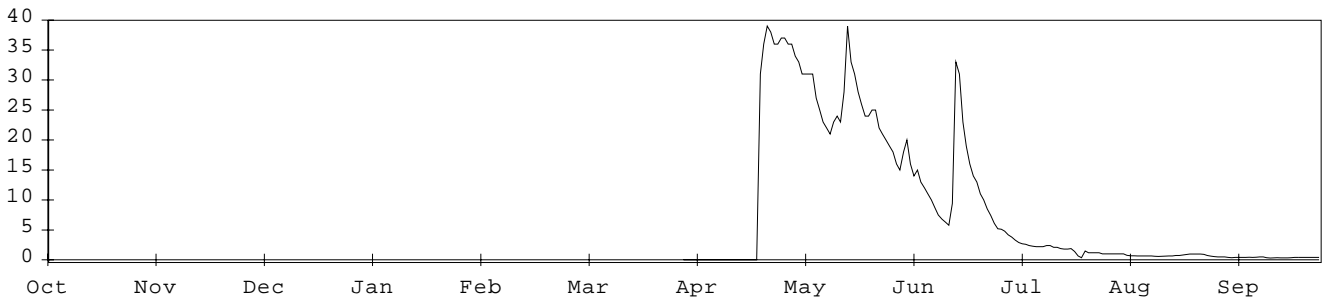
RATING TABLE.--LTCANYCO10 USED FROM 01-OCT-1992 TO 30-SEP-1993

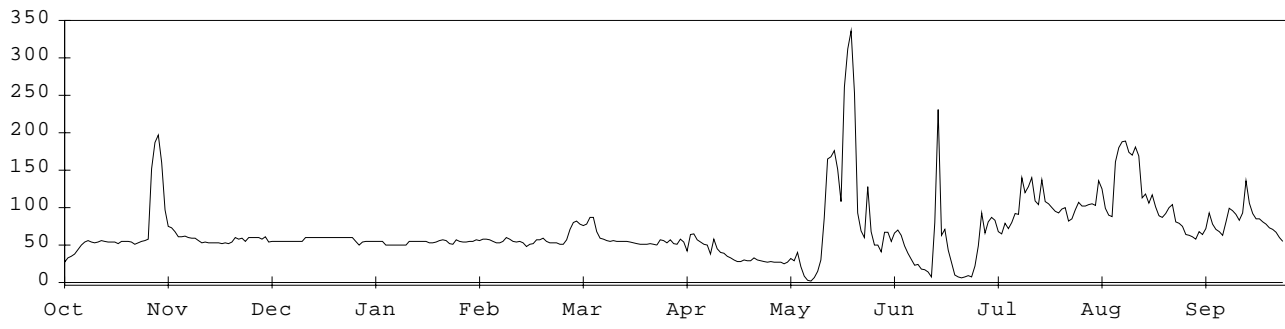
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	0.0	36	16	5.1	1.0	0.51
2	---	---	---	---	---	---	0.0	36	15	4.8	1.0	0.49
3	---	---	---	---	---	---	0.0	34	18	4.2	1.0	0.49
4	---	---	---	---	---	---	0.0	33	20	3.8	1.0	0.43
5	---	---	---	---	---	---	0.0	31	16	3.3	1.0	0.38
6	---	---	---	---	---	---	0.0	31	14	2.9	0.76	0.40
7	---	---	---	---	---	---	0.0	31	15	2.7	0.70	0.40
8	---	---	---	---	---	---	0.0	31	13	2.6	0.68	0.43
9	---	---	---	---	---	---	0.0	27	12	2.4	0.66	0.43
10	---	---	---	---	---	---	0.0	25	11	2.3	0.66	0.44
11	---	---	---	---	---	---	0.0	23	10	2.2	0.66	0.43
12	---	---	---	---	---	---	0.0	22	8.7	2.2	0.64	0.44
13	---	---	---	---	---	---	0.0	21	7.5	2.2	0.64	0.49
14	---	---	---	---	---	---	0.0	23	6.8	2.4	0.61	0.49
15	---	---	---	---	---	---	0.0	24	6.3	2.4	0.59	0.37
16	---	---	---	---	---	---	0.0	23	5.8	2.1	0.61	0.31
17	---	---	---	---	---	---	0.0	28	9.4	2.1	0.63	0.33
18	---	---	---	---	---	---	0.0	39	33	1.9	0.64	0.37
19	---	---	---	---	---	---	0.0	33	31	1.8	0.66	0.34
20	---	---	---	---	---	---	0.0	31	23	1.8	0.75	0.33
21	---	---	---	---	---	---	0.0	28	19	1.9	0.75	0.34
22	---	---	---	---	---	---	0.0	26	16	1.4	0.82	0.37
23	---	---	---	---	---	---	31	24	14	0.65	0.88	0.41
24	---	---	---	---	---	---	36	24	13	0.38	0.98	0.43
25	---	---	---	---	---	---	39	25	11	1.5	0.98	0.43
26	---	---	---	---	---	---	38	25	10	1.2	0.98	0.41
27	---	---	---	---	---	---	36	22	8.5	1.2	0.98	0.43
28	---	---	---	---	---	---	36	21	7.4	1.2	0.93	0.43
29	---	---	---	---	---	---	37	20	6.1	1.2	0.75	0.43
30	---	---	---	---	---	---	37	19	5.2	1.0	0.63	0.41
31	---	---	---	---	---	---	---	18	---	1.0	0.55	---
TOTAL							290	834	401.7	67.83	24.11	12.32
MEAN							9.67	26.9	13.4	2.19	0.78	0.41
AC-FT							575	1650	797	135	48	24
MAX							39	39	33	5.1	1.0	0.51
MIN							0.0	18	5.2	0.38	0.55	0.31

CAL YR 1992 TOTAL		MEAN		MAX		MIN		AC-FT	45950
WTR YR 1993 TOTAL	1629.96	MEAN	4.47	MAX	39	MIN	0.00	AC-FT	3230

MAX DISCH 48 CFS AT 0900 18-MAY-1993 GH 3.37 FT. SHIFT 0.16 FT. MAX GH 3.37 FT. AT 0900 18-MAY-1993





PLATTE RIVER BASIN

MUNROE CANAL NEAR FORT COLLINS, CO

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

DRAINAGE AREA.--N/A

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

REMARKS.--Record is complete and reliable. Water run May 13-Sep. 29, 1993. Estimated days were July 24-27, 1993 when pen ran out of ink. Station maintained and records developed by George E. Sievers.

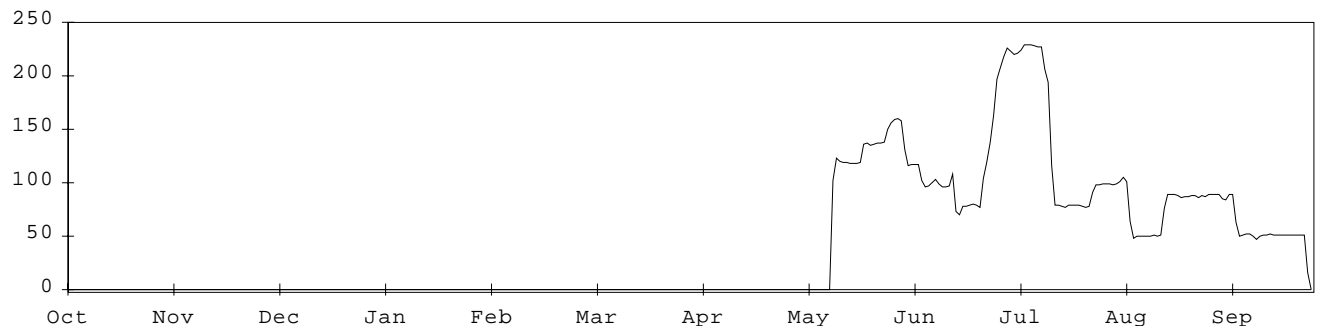
RATING TABLE.--MUNCANCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	160	208	99	89
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158	218	99	89
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	131	226	98	89
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116	223	99	85
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117	220	101	84
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117	221	105	89
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117	224	101	89
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	229	64	63
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96	229	48	50
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97	229	50	51
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	228	50	52
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103	227	50	52
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	99	227	50	50
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	123	96	206	50	47
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120	96	194	51	50
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	119	97	116	50	51
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	119	108	79	51	51
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	118	73	79	76	52
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	118	70	78	89	51
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	118	78	77	89	51
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	119	78	79	89	51
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136	79	79	88	51
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	137	80	79	86	51
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	135	79	79	87	51
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136	77	78	87	51
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	137	104	77	88	51
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	137	119	78	88	51
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138	138	91	86	51
29	0.0	0.0	0.0	0.0	---	0.0	0.0	150	163	98	88	16
30	0.0	0.0	0.0	0.0	---	0.0	0.0	156	197	98	87	0.0
31	0.0	---	0.0	0.0	---	0.0	---	159	---	99	89	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2477	3245	4673	2433	1709
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.9	108	151	78.5	57.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4910	6440	9270	4830	3390
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	159	197	229	105	89
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70	77	48	0.0

CAL YR 1992 TOTAL 11712 MEAN 32.0 MAX 217 MIN 0.00 AC-FT 23230
WTR YR 1993 TOTAL 14537 MEAN 39.8 MAX 229 MIN 0.00 AC-FT 28830

MAX DISCH 233 CFS AT 0730 11-JUL-1993 GH 3.04 FT. SHIFT 0.00 FT. MAX GH 3.04 FT. AT 0730 11-JUL-1993



PLATTE RIVER BASIN

06752000 CACHE LA POUVRE 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 mi².

GAGE.--F-type water-stage recorder. Elevation of gage is 5,220 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete and reliable except for Nov. 13 and Nov. 22, 1992-Mar. 22, 1993, when the station was closed for the winter. The DCP was the primary source of record. The A-35 chart was used Oct. 25, 29; Nov. 2-21, 1992; Apr. 4, 1993. Discharge for winter period of no-gage height record and ice effect was estimated on the basis of weather records, City of Greeley diversion records, and Water Commissioner's estimates. Record good, except for periods of no gage-height and ice affect, which is fair. Station maintained and records developed by George Sievers.

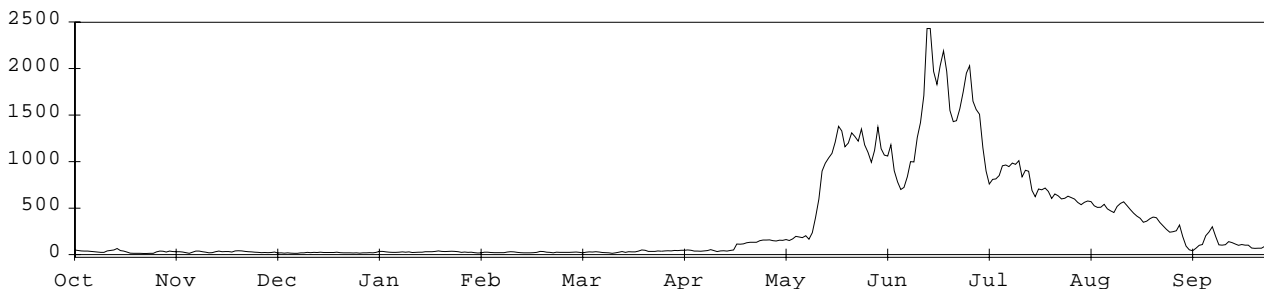
RATING TABLE.--CLAFTCCO9 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	31	29	25	18	25	40	159	992	2030	614	246
2	45	32	18	35	20	27	46	151	1120	1650	598	257
3	40	28	20	36	26	29	43	147	1370	1560	561	319
4	39	21	17	30	26	25	47	155	1140	1510	537	195
5	38	15	19	27	23	20	48	154	1070	1150	563	92
6	35	27	17	25	21	26	50	162	1060	898	578	52
7	31	38	15	24	21	30	48	152	1180	759	571	42
8	29	38	15	26	21	28	39	170	902	809	525	70
9	25	32	20	30	21	31	38	197	783	815	508	101
10	25	27	20	27	28	28	37	190	702	850	510	110
11	40	19	24	30	31	23	41	183	724	955	542	204
12	45	21	22	23	30	22	44	204	838	964	493	243
13	50	32	24	24	24	19	54	166	1000	946	471	300
14	66	39	23	26	21	15	43	236	997	984	454	195
15	43	31	26	27	20	19	33	398	1260	971	519	105
16	39	34	23	31	20	26	40	598	1420	1010	551	103
17	29	34	23	32	20	33	42	898	1710	836	569	108
18	16	28	23	32	21	25	39	982	2430	906	527	140
19	14	40	23	35	24	32	45	1040	2430	896	485	129
20	14	42	26	40	35	30	51	1090	1970	691	446	115
21	14	41	21	36	33	30	114	1210	1830	624	416	100
22	13	35	20	34	27	38	113	1380	2030	706	392	110
23	13	32	20	36	24	51	116	1330	2190	697	348	102
24	14	30	20	37	20	48	128	1160	1970	717	361	103
25	15	27	18	36	26	35	134	1200	1550	681	388	71
26	30	24	20	32	24	36	133	1310	1430	605	406	68
27	39	22	16	24	25	36	133	1270	1440	653	396	69
28	37	23	20	29	25	41	151	1220	1570	632	347	69
29	28	22	20	25	---	37	158	1350	1750	599	311	91
30	38	23	21	26	---	40	157	1180	1950	606	272	68
31	33	---	19	22	---	42	---	1100	---	629	242	---
TOTAL	988	888	642	922	675	947	2205	21142	42808	28339	14501	3977
MEAN	31.9	29.6	20.7	29.7	24.1	30.5	73.5	682	1427	914	468	133
AC-FT	1960	1760	1270	1830	1340	1880	4370	41940	84910	56210	28760	7890
MAX	66	42	29	40	35	51	158	1380	2430	2030	614	319
MIN	13	15	15	22	18	15	33	147	702	599	242	42

CAL YR 1992 TOTAL 89614 MEAN 245 MAX 1480 MIN 13 AC-FT 177700
WTR YR 1993 TOTAL 118034 MEAN 323 MAX 2430 MIN 13 AC-FT 234100

MAX DISCH 2735 CFS AT 0715 19-JUN-1993 GH 5.49 FT. SHIFT 0.00 FT. MAX GH 5.49 FT. AT 0715 19-JUN-1993



PLATTE RIVER BASIN

06752500 CACHE LA POUFRE RIVER NEAR GREELEY, CO

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

DRAINAGE AREA.--1,877 mi².

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

REMARKS.--Record is complete and reliable, except for Apr. 26-30; May 1-5, 14; Jun. 29-30; Jul. 2-6, 11-13, 18-19, 1993, when intakes were plugged. Natural flow of stream affected by transmountain and trans-basin diversions, storage reservoirs, power developments, diversion for municipal supply, diversions upstream from station for irrigation. Records good except for periods of no gage-height record which is fair. Station maintained and records developed by George Sievers.

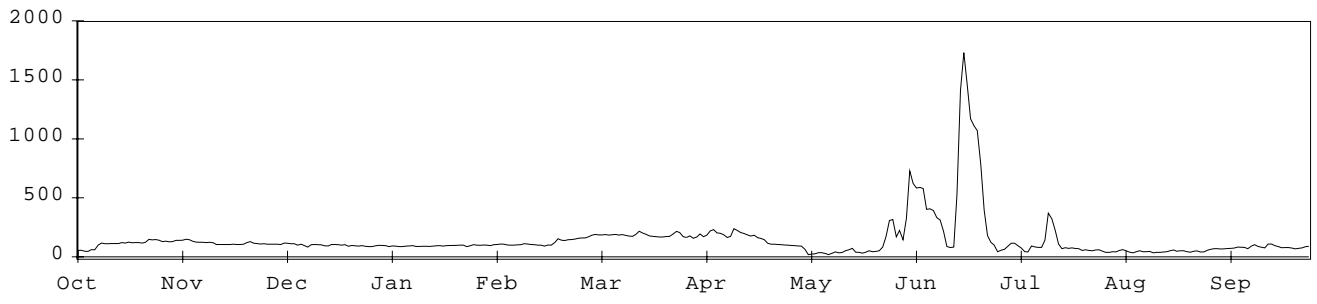
RATING TABLE.--CLAGRECO25 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	142	117	88	104	170	158	95	224	57	39	65
2	56	150	115	93	106	184	169	93	146	65	39	70
3	49	146	112	91	109	190	195	91	326	90	45	70
4	47	132	112	88	107	186	171	65	729	115	43	67
5	62	126	100	87	101	187	185	20	623	115	55	69
6	61	123	108	91	100	189	221	24	584	95	62	71
7	101	123	95	93	100	185	231	26	590	75	53	73
8	117	121	84	95	102	188	204	36	580	44	40	75
9	112	123	104	89	103	190	200	36	404	43	35	83
10	111	119	105	89	111	185	188	29	408	93	45	82
11	114	106	104	90	110	189	164	20	392	85	53	80
12	113	105	102	90	106	183	174	31	332	80	45	70
13	114	105	94	89	103	177	240	42	312	80	45	91
14	121	105	93	92	100	175	224	35	218	143	47	104
15	118	106	106	94	100	190	206	37	89	370	35	89
16	126	108	105	95	92	218	199	53	79	323	39	82
17	119	106	104	91	101	202	187	60	84	226	39	77
18	121	106	100	96	99	192	177	73	526	110	41	110
19	122	108	103	97	121	179	184	40	1410	70	44	110
20	118	122	90	97	154	175	163	38	1730	78	52	95
21	124	129	97	98	142	172	157	32	1460	73	59	88
22	149	116	94	100	139	169	145	40	1170	76	49	78
23	144	113	92	99	146	169	116	52	1110	71	52	79
24	147	109	95	88	147	173	108	45	1070	70	52	79
25	142	112	90	94	151	174	107	46	782	54	45	75
26	130	107	87	103	158	193	105	52	397	61	40	69
27	134	108	88	100	161	217	103	84	181	55	48	72
28	128	107	94	98	160	206	101	174	123	53	50	76
29	130	108	98	101	---	171	99	308	100	59	41	86
30	140	105	97	99	---	165	97	317	45	61	43	90
31	140	---	96	96	---	179	---	170	---	49	56	---
TOTAL	3464	3496	3081	2911	3333	5722	4978	2264	16224	3039	1431	2425
MEAN	112	117	99.4	93.9	119	185	166	73.0	541	98.0	46.2	80.8
AC-FT	6870	6930	6110	5770	6610	11350	9870	4490	32180	6030	2840	4810
MAX	149	150	117	103	161	218	240	317	1730	370	62	110
MIN	47	105	84	87	92	165	97	20	45	43	35	65

CAL YR 1992 TOTAL 36770 MEAN 100 MAX 758 MIN 17 AC-FT 72930
WTR YR 1993 TOTAL 52368 MEAN 143 MAX 1730 MIN 20 AC-FT 103900

MAX DISCH 1777 CFS AT 1100 20-JUN-1993 GH 7.09 FT. SHIFT -0.58 FT. MAX GH 7.09 FT. AT 1100 20-JUN-1993



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 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,575.77 ft above National Geodetic Vertical Datum of 1929. See WSP 1710 or 1730 for history of changes prior to July 3, 1935.

REMARKS.--The DCP is the primary record. Chart values were used Oct. 10-11, 14-16, 20, 25; Dec. 29, 1992; Jan. 10-11; Mar. 24, 31; Apr. 4, 29; May 25-27; Jun. 20-21, 1993. This was done to avoid datum corrections needed for the DCP record. Record is complete and reliable, except for Oct. 12-13; Dec. 8, 1992; Mar. 8-9; Apr. 12-14; May 7, 11, 1993, when the manometer orifice was plugged. Record is fair, because of frequent pen corrections. Station maintained and records developed by George Sievers.

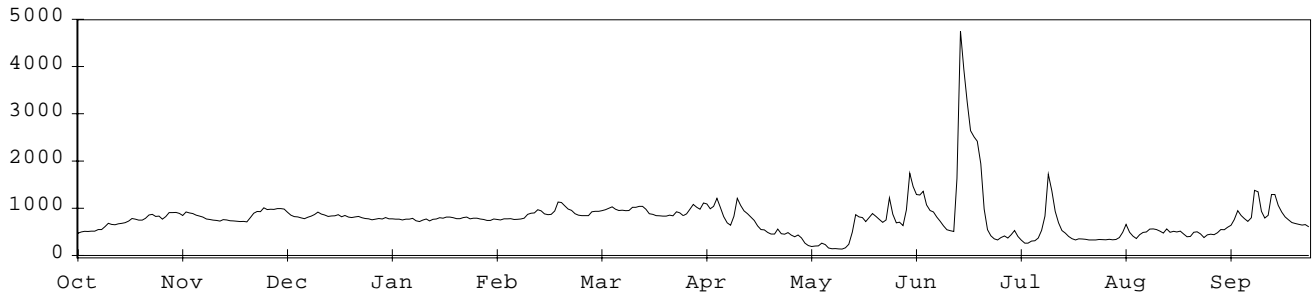
RATING TABLE.--PLAKERCO21 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	469	846	983	776	773	844	1080	396	704	381	332	451
2	498	921	916	776	764	926	1020	434	634	414	343	438
3	511	901	854	770	754	934	980	375	966	367	334	479
4	508	889	825	769	776	934	1110	260	1740	438	340	549
5	517	855	816	751	775	949	1090	210	1460	531	381	545
6	513	832	795	767	780	970	991	189	1290	402	491	595
7	551	814	777	770	763	999	1040	200	1280	326	656	639
8	551	771	810	785	766	1030	1210	202	1360	261	489	759
9	609	761	835	735	771	980	1020	261	1070	262	411	948
10	680	749	866	718	790	952	822	231	952	305	360	846
11	658	744	917	750	870	958	692	160	922	312	438	778
12	650	729	877	772	895	947	640	141	812	370	487	722
13	670	758	856	733	902	952	830	146	724	533	498	798
14	680	754	826	765	969	1020	1210	138	626	835	559	1380
15	695	736	837	771	945	1020	1060	136	546	1720	563	1350
16	726	733	840	798	880	1040	946	162	524	1370	548	934
17	782	724	862	787	865	1040	886	239	508	934	516	794
18	768	716	821	814	870	981	816	494	1630	690	476	851
19	749	721	846	813	942	885	742	863	4750	529	563	1290
20	750	710	815	799	1130	871	627	819	3940	476	491	1290
21	786	802	801	779	1120	844	551	803	3250	404	509	1060
22	856	895	819	778	1050	841	543	716	2640	356	498	918
23	870	932	827	802	983	835	487	801	2510	327	514	817
24	829	930	798	812	956	835	453	890	2420	352	453	756
25	832	1010	781	776	883	855	454	826	1940	349	397	696
26	770	973	775	788	854	840	558	766	982	344	404	677
27	824	979	755	790	844	926	462	703	546	329	489	661
28	910	975	767	771	844	903	451	752	417	330	499	643
29	907	992	782	762	---	845	486	1220	351	327	458	654
30	912	992	773	742	---	880	429	872	328	338	379	606
31	892	---	801	742	---	980	---	693	---	336	436	---
TOTAL	21923	25144	25653	23961	24514	28816	23686	15098	41822	15248	14312	23924
MEAN	707	838	828	773	876	930	790	487	1394	492	462	797
AC-FT	43480	49870	50880	47530	48620	57160	46980	29950	82950	30240	28390	47450
MAX	912	1010	983	814	1130	1040	1210	1220	4750	1720	656	1380
MIN	469	710	755	718	754	835	429	136	328	261	332	438

CAL YR 1992 TOTAL 314196 MEAN 858 MAX 7090 MIN 208 AC-FT 623200
WTR YR 1993 TOTAL 284101 MEAN 778 MAX 4750 MIN 136 AC-FT 563500

MAX DISCH 5342 CFS AT 0645 19-JUN-1993 GH 7.49 FT. SHIFT -0.52 FT. MAX GH 7.49 FT. AT 0645 19-JUN-1993



PLATTE RIVER BASIN

06758500 SOUTH PLATTE RIVER NEAR WELDONA, CO

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

DRAINAGE AREA.--13,245 mi².

GAGE.--Graphic water-stage recorder with satellite monitoring. Datum of gage is 4,307.80 ft above National Geodetic Vertical Datum of 1929. A new station was installed and operation began on May 2, 1991.

REMARKS.--Record is complete and reliable, except for the following periods: January 6-February 3, 1993, when the gage was affected by ice. The DCP is the primary source of record. The chart was used October 25, 1992 and April 4, 1993. Discharges for the winter period were estimated from record at South Platte near Kersey, and ditch diversion data. Record good, except for the winter estimates. Station maintained and records developed by George Sievers.

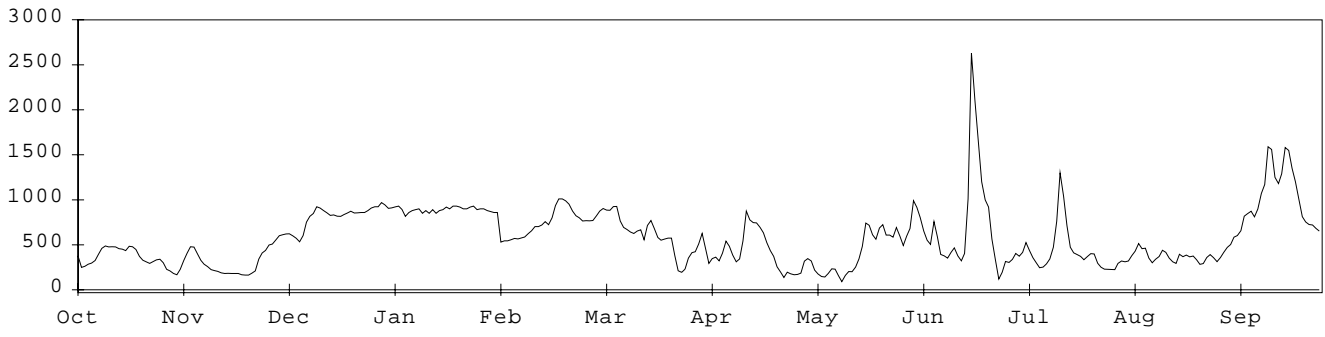
RATING TABLE.--PLAWELCO16 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	378	325	621	911	860	770	509	186	596	305	225	357
2	250	407	623	921	530	822	627	319	682	338	293	417
3	262	479	600	930	545	875	462	346	992	405	320	471
4	286	475	573	894	545	904	293	320	916	374	311	504
5	298	403	534	816	556	885	346	220	802	417	320	585
6	325	328	604	860	571	884	364	177	653	524	379	604
7	396	285	752	880	566	926	322	149	551	437	428	657
8	461	259	817	890	576	927	407	143	506	358	514	819
9	488	224	849	900	588	765	541	181	757	302	458	847
10	476	213	922	850	624	694	484	234	590	245	464	874
11	479	206	910	880	656	670	386	230	394	254	353	812
12	477	189	880	850	702	642	312	157	378	289	301	898
13	457	182	855	890	703	626	344	92	352	344	340	1070
14	452	184	827	850	721	653	543	160	416	474	371	1170
15	437	182	832	880	757	667	875	203	467	761	440	1590
16	484	182	818	890	724	556	777	202	378	1300	417	1560
17	479	181	817	920	800	715	747	253	322	1040	353	1250
18	449	169	836	900	936	770	744	343	404	713	311	1180
19	373	163	854	930	1010	681	695	483	1010	473	294	1290
20	329	165	874	930	1010	582	634	741	2630	411	396	1580
21	312	186	853	920	990	552	524	717	2100	391	368	1550
22	294	211	855	900	951	564	437	612	1650	373	386	1350
23	313	341	859	900	876	574	373	563	1200	335	367	1200
24	334	410	860	920	825	574	256	687	999	371	375	1010
25	340	438	880	930	800	381	199	724	920	402	335	813
26	302	499	910	890	765	212	138	610	565	400	284	754
27	228	508	923	900	769	194	196	610	331	295	292	727
28	211	554	922	900	766	231	178	586	120	251	360	720
29	183	601	969	880	---	353	169	691	195	230	392	684
30	169	613	944	870	---	412	172	596	315	228	357	653
31	228	---	905	860	---	423	---	493	---	227	314	---
TOTAL	10950	9562	25278	27642	20722	19484	13054	12028	22191	13267	11118	27996
MEAN	353	319	815	892	740	629	435	388	740	428	359	933
AC-FT	21720	18970	50140	54830	41100	38650	25890	23860	44020	26320	22050	55530
MAX	488	613	969	930	1010	927	875	741	2630	1300	514	1590
MIN	169	163	534	816	530	194	138	92	120	227	225	357

CAL YR 1992 TOTAL 221651 MEAN 606 MAX 3140 MIN 75 AC-FT 439600
WTR YR 1993 TOTAL 213292 MEAN 584 MAX 2630 MIN 92 AC-FT 423100

MAX DISCH 2800 CFS AT 0600 20-JUN-1993 GH 5.66 FT. SHIFT 0.04 FT. MAX GH 5.66 FT. AT 0600 20-JUN-1993



PLATTE RIVER BASIN

06759910 SOUTH PLATTE RIVER AT BALZAC, CO

LOCATION.--Lat 40°21'27", long 103°27'58", in SW¼NE¼ sec.33, T.5 N., R.55 W., Morgan County, Hydrologic Unit 10190012, on bank 4.3 mi northeast of Snyder, and .7 mi downstream from North Sterling Canal.

DRAINAGE AREA.--16,852 mi².

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

REMARKS.--Natural flow of stream affected by transmountain and transbasin diversions, storage reservoirs, ground-water withdrawals and diversions above station for irrigation. The DCP is the primary source of record. The chart was used Oct. 28; Nov. 6-12, 1992; Apr. 4, 1993. Record is complete and reliable, except for the following periods: Oct. 23, 1992; Jan. 14; Apr. 23; May 6-7, 11-12; June 16, 20-21, 26; July 1, 6, 16, 27; Aug. 6, 1993, when inlets were plugged. Record good for period of good record, and fair for the estimated periods of plugged inlets. Station maintained and records developed by George E. Sievers.

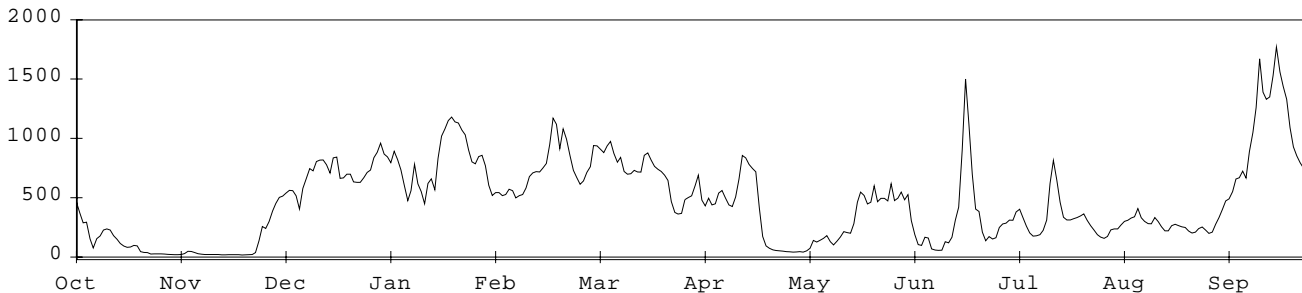
RATING TABLE.--PLABALCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	464	21	513	844	520	714	516	42	496	250	158	199
2	373	30	540	796	543	762	602	43	547	279	174	210
3	288	49	563	891	544	939	690	45	483	286	229	276
4	294	47	560	823	517	938	481	41	526	311	238	333
5	153	38	516	735	528	910	432	53	308	310	238	401
6	76	28	405	605	572	881	497	75	189	380	270	473
7	155	24	579	477	560	938	440	140	105	403	301	490
8	178	22	664	560	499	975	449	127	99	332	310	551
9	228	21	745	782	518	874	539	142	167	261	329	658
10	238	22	727	617	528	800	561	158	161	203	340	668
11	227	21	805	552	582	840	499	180	68	176	409	724
12	180	21	818	449	679	722	440	130	59	179	332	666
13	150	19	819	620	709	698	426	103	57	189	301	888
14	115	19	779	660	720	702	507	135	58	226	282	1050
15	93	20	708	568	718	731	658	170	129	312	281	1260
16	82	20	836	832	749	718	856	214	120	620	333	1670
17	85	20	843	1020	788	716	836	206	167	815	299	1390
18	98	20	664	1080	950	858	781	201	310	651	255	1330
19	95	18	667	1150	1170	878	745	282	421	463	222	1350
20	45	19	698	1180	1120	818	719	463	900	336	222	1530
21	39	20	699	1140	914	764	415	548	1500	313	264	1770
22	38	21	634	1130	1080	740	174	520	1120	313	277	1560
23	26	37	629	1070	994	721	95	448	698	324	266	1440
24	27	137	629	1030	853	691	75	462	405	333	255	1330
25	27	258	668	902	731	645	61	600	385	347	249	1090
26	27	242	714	802	671	468	55	467	210	364	219	930
27	26	299	733	786	613	377	53	494	138	310	202	853
28	23	389	837	847	642	363	50	495	172	264	210	796
29	22	452	883	858	---	369	45	473	152	230	239	749
30	20	503	960	770	---	484	44	618	163	189	253	771
31	20	---	868	605	---	501	---	476	---	169	227	---
TOTAL	3912	2857	21703	25181	20012	22535	12741	8551	10313	10138	8184	27406
MEAN	126	95.2	700	812	715	727	425	276	344	327	264	914
AC-FT	7760	5670	43050	49950	39690	44700	25270	16960	20460	20110	16230	54360
MAX	464	503	960	1180	1170	975	856	618	1500	815	409	1770
MIN	20	18	405	449	499	363	44	41	57	169	158	199

CAL YR 1992 TOTAL 182732 MEAN 499 MAX 3630 MIN 18 AC-FT 362400
WTR YR 1993 TOTAL 173533 MEAN 475 MAX 1770 MIN 18 AC-FT 344200

MAX DISCH 2168 CFS AT 0905 16-SEP-1993 GH 4.38 FT. SHIFT -0.26 FT. MAX GH 4.38 FT. AT 0905 16-SEP-1993



PLATTE RIVER BASIN

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

LOCATION.--Lat 40°58'37", long 102°14'52", in NE¼SE¼ sec.33, T.12 N., R.44 W., Sedgwick County, Hydrologic Unit 10190018, 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 mi².

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

REMARKS.--Gage-height record is complete and reliable except for the following periods: Nov. 6-8, 20-22; Dec. 4-5, 1992; Mar. 27-31; Apr. 1-14; May 7-17, 23-28; Jun. 7-8, 16-24, 1993 when gage-heights were not representative of average for day due to manometer erratic response (i.e. painting, off from wire weight). Chart gage-heights were used for the following periods: Oct. 1-20, 26-27; Nov. 1, 3-5, 9-19, 23-26; Dec. 29, 1992; Mar. 9-18; Apr. 15-30; May 1-6; Jun. 3-6, 10, 15; Jul. 12, 16, 19; Sep. 16-20, 24-29, 1993. Record is fair except for period of no gage-height record and ice-affected record which is poor. This record is part of combined flow with channel Nos. 3 and 4. Station maintained and records developed by Fred Renner.

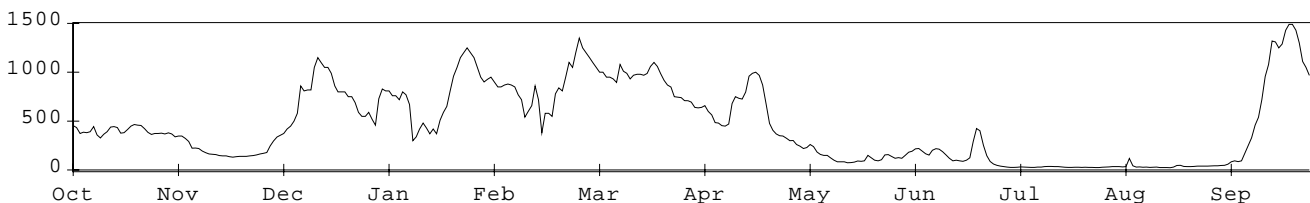
RATING TABLE.--PLAJURCO16 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	455	347	356	810	950	1200	695	301	127	40	30	42
2	435	348	374	810	900	1150	640	262	121	34	32	44
3	374	324	420	760	850	1100	635	245	150	30	35	43
4	388	292	450	760	850	1050	640	220	182	28	35	46
5	383	224	500	720	870	1000	660	231	192	28	34	49
6	392	225	580	800	880	1000	600	262	217	29	32	60
7	445	220	860	770	870	950	565	240	220	32	34	84
8	360	195	810	670	850	950	485	185	195	30	119	94
9	329	178	820	300	770	933	480	160	166	29	44	86
10	366	165	820	340	720	897	455	150	154	27	30	95
11	392	162	1050	420	540	1080	450	150	201	28	33	173
12	440	158	1150	480	600	1010	470	125	219	31	29	251
13	445	148	1100	430	660	990	680	100	213	30	30	331
14	435	144	1050	370	860	933	750	85	187	34	28	460
15	378	144	1050	420	720	970	734	85	155	36	29	539
16	383	137	990	370	380	980	726	85	120	36	30	719
17	415	132	860	510	580	980	799	75	95	34	26	957
18	450	137	800	590	580	970	960	76	100	35	26	1080
19	466	139	800	650	550	988	990	81	95	33	25	1320
20	460	140	800	810	780	1060	1000	93	90	29	24	1310
21	456	140	750	960	840	1100	968	90	100	28	30	1250
22	424	145	750	1050	810	1060	870	94	125	28	46	1290
23	385	148	690	1150	950	984	682	150	290	29	49	1430
24	364	155	590	1200	1100	918	477	125	425	29	36	1490
25	374	165	550	1250	1050	869	406	100	402	28	34	1490
26	374	170	550	1200	1200	848	368	95	253	29	34	1430
27	378	179	590	1150	1350	750	352	105	147	28	37	1300
28	369	247	520	1050	1250	745	347	155	88	27	40	1110
29	381	298	460	950	---	740	325	159	61	25	40	1050
30	369	338	730	900	---	710	300	138	48	25	40	968
31	339	---	830	930	---	710	---	121	---	29	39	---
TOTAL	12404	5944	22650	23580	23310	29625	18509	4543	5138	938	1130	20591
MEAN	400	198	731	761	833	956	617	147	171	30.3	36.5	686
AC-FT	24600	11790	44930	46770	46240	58760	36710	9010	10190	1860	2240	40840
MAX	466	348	1150	1250	1350	1200	1000	301	425	40	119	1490
MIN	329	132	356	300	380	710	300	75	48	25	24	42

CAL YR 1992 TOTAL 206993 MEAN 566 MAX 2580 MIN 23 AC-FT 410600
WTR YR 1993 TOTAL 168362 MEAN 461 MAX 1490 MIN 24 AC-FT 333900

MAX DISCH 4586 CFS AT 1200 06-MAR-1993 GH 8.58 FT. SHIFT -1.40 FT. MAX GH 8.58 FT. AT 1200 06-MAR-1993



PLATTE RIVER BASIN

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

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

DRAINAGE AREA.--23,193 mi².

GAGE.--Water-stage graphic recorder with satellite telemetry. Elevation of gage is 3,446.76 ft. Water stage recorder in place since Oct. 1, 1956; located 135 ft downstream at present datum until Dec. 10, 1958; Dec. 10, 1958 to present located 215 ft downstream at present datum. Supplemental outside chain gage.

REMARKS.--Gage-height record is complete and reliable except for the following period: Dec. 20-21, 1992 when both encoder and recorder float was frozen in ice. Stage-shift curves are needed because of the highly fluctuating stage. This is the result of sudden rainstorms, return flows which fill the channel with mud and silt, run-off and effect the main channels (Nos. 1 and 2) have on channel four. The stage-discharge relationship was affected by ice Dec. 15-19, 22-24, 31, 1992; Jan. 1-7, 23-26, 30-31; Feb. 6, 21-28, 1993. Graphic chart record was used for the following periods: Nov. 30; Dec. 1-8, 29, 1992; Jan. 8, 10-11, 14-25; Feb. 11, 17-18; Mar. 6; Apr. 9; Jun. 12-23; Jul. 20, 22; Sep 6-8, 1993. Record is good except for period of no gage-height record, ice-affected record, and period of stage fluctuation, which is poor. This record is part of combined flow with channel No. 1 and 2. Station maintained and records developed by Fred Renner.

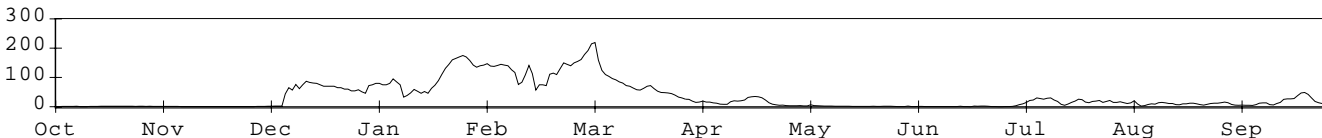
RATING TABLE.--PLAJULCO20 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.83	1.0	1.5	80	142	161	25	3.2	0.86	0.35	15	14
2	0.96	1.0	1.8	80	147	178	19	3.4	0.86	0.65	15	16
3	1.1	1.0	2.4	75	139	192	15	3.6	2.4	1.00	17	14
4	1.0	1.0	2.4	75	138	215	16	2.9	0.89	3.1	14	7.6
5	0.99	1.0	2.4	80	141	219	19	2.8	0.82	7.1	11	5.5
6	1.1	0.98	44	95	145	159	16	6.7	1.0	10	13	4.9
7	1.9	0.90	65	85	142	124	16	4.1	1.1	15	20	5.3
8	0.90	0.83	57	75	140	110	13	3.3	0.83	21	9.4	4.9
9	0.88	0.77	76	33	126	104	12	2.7	0.61	23	2.2	5.0
10	0.92	0.76	62	38	117	96	9.1	2.5	0.56	30	4.1	4.4
11	1.0	0.75	75	47	76	92	8.1	2.5	0.77	28	7.8	7.0
12	1.2	0.75	87	59	84	85	8.3	2.2	0.90	26	10	12
13	1.3	0.75	83	53	108	81	17	1.9	0.60	29	8.8	13
14	1.4	0.75	81	46	141	72	20	1.7	0.60	30	14	13
15	1.4	0.75	80	52	113	70	19	1.7	0.65	23	15	7.5
16	1.4	0.75	75	46	57	64	20	1.4	0.45	18	13	6.1
17	1.5	0.75	70	63	75	58	23	1.4	0.75	8.5	11	11
18	1.5	0.75	70	73	75	57	32	1.3	1.4	5.2	11	15
19	1.6	0.68	70	89	72	63	34	1.2	0.60	9.4	7.3	25
20	1.5	0.64	70	111	111	70	35	1.1	0.45	15	6.6	27
21	1.6	0.71	65	131	115	72	34	1.1	0.30	19	9.6	27
22	1.5	0.75	65	144	110	62	31	1.1	2.0	26	9.8	28
23	1.4	0.78	60	160	130	53	23	1.1	1.5	24	12	38
24	1.3	0.82	60	165	150	49	14	1.4	2.2	16	12	47
25	1.4	0.90	54	170	145	48	9.1	1.2	2.6	14	9.8	49
26	1.4	0.90	54	175	140	47	6.5	1.1	1.4	18	7.5	42
27	1.3	0.90	58	170	150	45	5.2	1.4	0.79	19	5.7	30
28	1.7	1.0	51	158	155	40	5.5	1.9	0.49	21	8.2	18
29	1.2	1.0	46	142	---	33	3.9	1.8	0.29	15	11	14
30	1.2	1.2	72	135	---	30	3.5	1.0	0.22	18	12	11
31	1.1	---	75	140	---	26	---	0.91	---	21	12	---
TOTAL	39.48	25.52	1735.5	3045	3384	2775	512.2	65.61	28.89	514.30	334.8	522.2
MEAN	1.27	0.85	56.0	98.2	121	89.5	17.1	2.12	0.96	16.6	10.8	17.4
AC-FT	78	51	3440	6040	6710	5500	1020	130	57	1020	664	1040
MAX	1.9	1.2	87	175	155	219	35	6.7	2.6	30	20	49
MIN	0.83	0.64	1.5	33	57	26	3.5	0.91	0.22	0.35	2.2	4.4

CAL YR 1992 TOTAL 7039.16 MEAN 19.2 MAX 165 MIN 0.30 AC-FT 13960
WTR YR 1993 TOTAL 12982.50 MEAN 35.6 MAX 219 MIN 0.22 AC-FT 25750

MAX DISCH 390 CFS AT 2100 18-DEC-1992 GH 4.47 FT. SHIFT -0.87 FT. MAX GH 4.47 FT. AT 2100 18-DEC-1992



PLATTE RIVER BASIN

06764000 SOUTH PLATTE RIVER AT JULESBURG, CO (COMBINED)

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

DRAINAGE AREA.--23,193 mi².

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

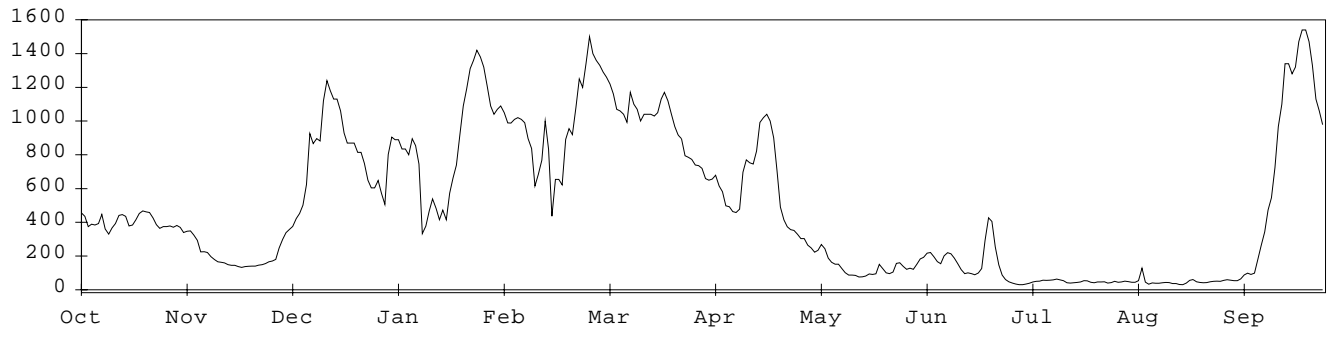
REMARKS.--Record obtained by combining data from Channel No. 2 and Channel No. 4. Records developed by Fred Renner.

RATING TABLE.--See Channel No.2 and Channel No.4

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	456	348	358	890	1090	1360	720	304	128	40	45	56
2	436	349	376	890	1050	1330	659	265	122	35	47	60
3	375	325	422	835	989	1290	650	249	152	31	52	57
4	389	293	452	835	988	1260	656	223	183	31	49	54
5	384	225	502	800	1010	1220	679	234	193	35	45	54
6	393	226	624	895	1020	1160	616	269	218	39	45	65
7	447	221	925	855	1010	1070	581	244	221	47	54	89
8	361	196	867	745	990	1060	498	188	196	51	128	99
9	330	179	896	333	896	1040	492	163	167	52	46	91
10	367	166	882	378	837	993	464	152	155	57	34	99
11	393	163	1120	467	616	1170	458	152	202	56	41	180
12	441	159	1240	539	684	1100	478	127	220	57	39	263
13	446	149	1180	483	768	1070	697	102	214	59	39	344
14	436	145	1130	416	1000	1000	770	87	188	64	42	473
15	379	145	1130	472	833	1040	753	87	156	59	44	546
16	384	138	1060	416	437	1040	746	86	120	54	43	725
17	416	133	930	573	655	1040	822	76	96	42	37	968
18	452	138	870	663	655	1030	992	77	101	40	37	1100
19	468	140	870	739	622	1050	1020	82	96	42	32	1340
20	462	141	870	921	891	1130	1040	94	90	44	31	1340
21	458	141	815	1090	955	1170	1000	91	100	47	40	1280
22	426	146	815	1190	920	1120	901	95	127	54	56	1320
23	386	149	750	1310	1080	1040	705	151	292	53	61	1470
24	365	156	650	1360	1250	967	491	126	427	45	48	1540
25	375	166	604	1420	1200	917	415	101	405	42	44	1540
26	375	171	604	1380	1340	895	374	96	254	47	42	1470
27	379	180	648	1320	1500	795	357	106	148	47	43	1330
28	371	248	571	1210	1400	785	352	157	88	48	48	1130
29	382	299	506	1090	---	773	329	161	61	40	51	1060
30	370	339	802	1040	---	740	304	139	48	43	52	979
31	340	---	905	1070	---	736	---	122	---	50	51	---
TOTAL	12442	5974	24374	26625	26686	32391	19019	4606	5168	1451	1466	21122
MEAN	401	199	786	859	953	1045	634	149	172	46.8	47.3	704
AC-FT	24680	11850	48350	52810	52930	64250	37720	9140	10250	2880	2910	41900
MAX	468	349	1240	1420	1500	1360	1040	304	427	64	128	1540
MIN	330	133	358	333	437	736	304	76	48	31	31	54
CAL YR 1992 TOTAL		214011	MEAN	585	MAX	2740	MIN	23	AC-FT	424500		
WTR YR 1993 TOTAL		181324	MEAN	497	MAX	1540	MIN	31	AC-FT	359700		

NO PEAK DATA AVAILABLE



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09042000 EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA, CO

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

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

REMARKS.--Record is taken from hourly satellite data. It is complete and reliably agrees with chart data. Record is good. The satellite telemetry is maintained and the record is developed by Robert Cooper.

RATING TABLE.--HSPTUNCO03 USED FROM 01-OCT-1992 TO 3-MAY-1993

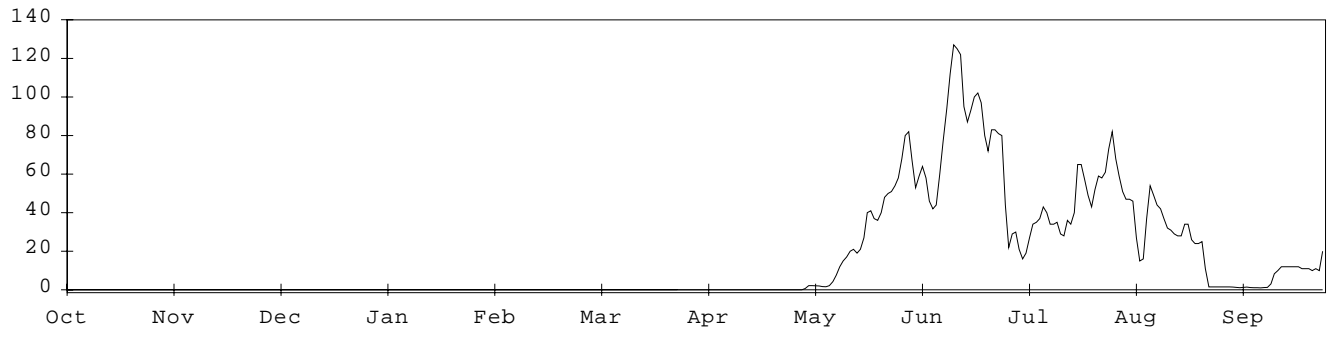
RATING TABLE.--HSPTUNCO04 USED FROM 04-MAY-1993 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80	22	68	1.5
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82	29	59	1.5
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	67	30	51	1.5
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	53	21	47	1.4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	59	16	47	1.3
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	64	19	46	1.1
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	58	27	27	1.3
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	46	34	15	1.4
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	42	35	16	1.2
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	44	37	37	1.1
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	60	43	54	1.1
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	77	40	49	1.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	94	34	44	1.2
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	112	34	42	1.3
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	127	35	37	3.1
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	125	29	32	8.3
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	122	28	31	10
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	95	36	29	12
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	87	34	28	12
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	93	40	28	12
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	100	65	34	12
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	102	65	34	12
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	97	57	26	12
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	80	49	24	11
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40	72	43	24	11
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	83	52	25	11
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	83	59	11	10
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	81	58	1.5	11
29	0.0	0.0	0.0	0.0	---	0.0	0.0	54	80	61	1.5	10
30	0.0	0.0	0.0	0.0	---	0.0	0.0	58	44	73	1.5	20
31	0.0	---	0.0	0.0	---	0.0	---	68	---	82	1.5	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	701.57	2409	1287	971.0	195.3
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6	80.3	41.5	31.3	6.51
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1390	4780	2550	1930	387
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68	127	82	68	20
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	16	1.5	1.0

CAL YR 1992 TOTAL 5868.03 MEAN 16.0 MAX 121 MIN 0.00 AC-FT 11640
WTR YR 1993 TOTAL 5563.86 MEAN 15.2 MAX 127 MIN 0.00 AC-FT 11040

MAX DISCH 167 CFS AT 2100 16-JUN-1993 GH 2.79 FT. SHIFT 0.01 FT. MAX GH 2.79 FT. AT 2100 16-JUN-1993



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.

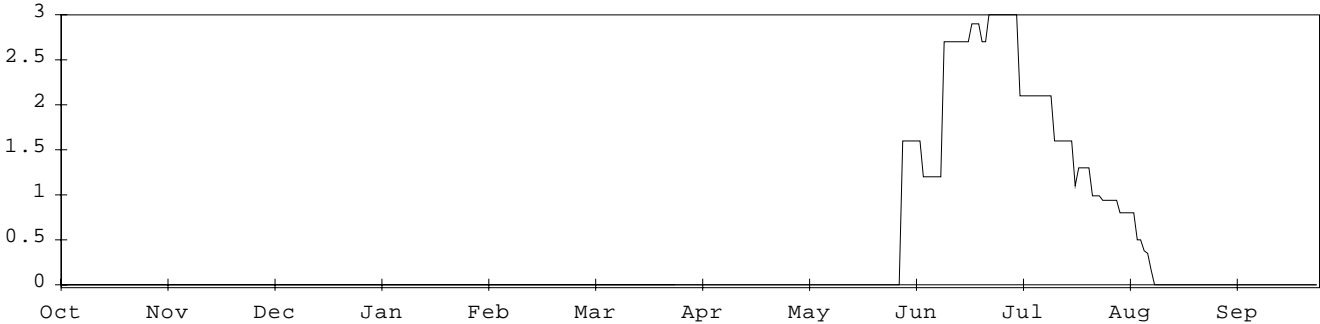
GAGE.--Graphic water-stage recorder.

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

RATING TABLE.--BORDITC002 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.94	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.0	0.94	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.0	0.94	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.0	0.80	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.0	0.80	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.1	0.80	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.1	0.80	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.1	0.80	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.1	0.50	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.1	0.50	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.1	0.38	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.1	0.35	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.1	0.17	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.1	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.1	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.6	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.6	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.6	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.6	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.6	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.6	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.1	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.3	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.3	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.3	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.3	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.99	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.99	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.0	0.99	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.0	0.94	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.94	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.5	56.75	8.72	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.15	1.83	0.28	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	128	113	17	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.94	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.94	0.0	0.0
CAL YR 1992 TOTAL		93.90	MEAN	0.26	MAX	2.0	MIN	0.00	AC-FT	186		
WTR YR 1993 TOTAL		129.97	MEAN	0.36	MAX	3.0	MIN	0.00	AC-FT	258		



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09050590 HAROLD D. ROBERTS TUNNEL NEAR GRANT, CO

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

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

REMARKS.--Primary record is taken from hourly satellite gage readings. The satellite record checked within 0.02 ft. of the chart reading for every day. Field corrections of 0.01 and greater made to the encoder were applied to the satellite record. Record is good. The satellite telemetry is maintained and the record is developed by Robert Cooper.

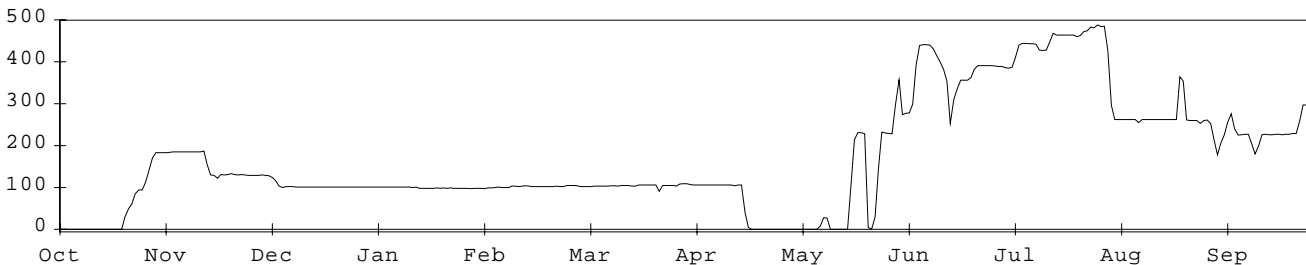
RATING TABLE.--ROBTUNCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	183	128	101	98	104	109	0.0	228	390	484	261
2	0.0	184	124	101	97	102	109	0.0	299	389	485	253
3	0.0	185	116	101	99	102	107	0.0	357	389	426	213
4	0.0	185	103	101	99	102	106	0.0	274	386	296	178
5	0.0	185	100	101	100	102	106	0.0	277	385	262	206
6	0.0	185	102	101	101	103	106	0.0	278	387	262	226
7	0.0	185	102	101	100	103	106	0.0	299	410	262	256
8	0.0	185	102	101	100	103	106	0.0	391	440	262	276
9	0.0	185	101	101	100	103	106	0.0	439	444	262	240
10	0.0	185	101	101	103	103	106	0.0	441	444	262	225
11	0.0	185	101	101	103	104	106	7.4	441	443	262	226
12	0.0	187	101	100	102	104	106	28	440	443	255	227
13	0.0	154	101	101	103	103	106	27	431	442	262	227
14	0.0	130	101	98	104	105	106	0.0	415	428	262	204
15	0.0	129	101	98	103	105	106	0.0	400	427	262	180
16	0.0	122	101	98	102	105	104	0.0	382	428	262	199
17	0.0	131	101	98	102	103	106	0.0	354	447	262	226
18	0.0	130	101	98	102	103	106	0.0	253	468	262	227
19	0.0	131	101	99	102	106	41	0.0	310	464	262	226
20	30	133	101	98	102	106	4.9	108	336	464	262	226
21	49	131	101	99	102	106	0.0	214	356	464	262	227
22	61	130	101	98	102	106	0.0	231	356	464	262	227
23	85	131	101	99	103	106	0.0	231	356	464	262	226
24	94	130	101	98	102	106	0.0	228	362	464	364	227
25	94	129	101	98	102	91	0.0	4.9	382	460	354	227
26	113	129	101	98	105	105	0.0	0.0	391	463	261	229
27	141	129	101	98	105	105	0.0	29	391	472	260	229
28	171	129	101	98	105	105	0.0	144	391	474	260	259
29	183	130	101	97	---	105	0.0	232	391	483	260	297
30	183	129	101	98	---	103	0.0	230	391	481	253	297
31	183	---	101	98	---	108	---	229	---	488	260	---
TOTAL	1387	4576	3200	3078	2848	3217	1958.9	1943.3	10812	13695	8934	6947
MEAN	44.7	153	103	99.3	102	104	65.3	62.7	360	442	288	232
AC-FT	2750	9080	6350	6110	5650	6380	3890	3850	21450	27160	17720	13780
MAX	183	187	128	101	105	108	109	232	441	488	485	297
MIN	0.0	122	100	97	97	91	0.0	0.0	228	385	253	178

CAL YR 1992 TOTAL 42620.0 MEAN 116 MAX 350 MIN 0.00 AC-FT 84540
WTR YR 1993 TOTAL 62596.2 MEAN 171 MAX 488 MIN 0.00 AC-FT 124200

MAX DISCH 548 CFS AT 1400 03-JUN-1993 GH 3.39 FT. SHIFT 0.04 FT. MAX GH 3.39 FT. AT 1400 03-JUN-1993



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.

REMARKS.--The record is considered good. Station maintained by Vidler Tunnel Co. and records developed by Rodger L. Burcher.

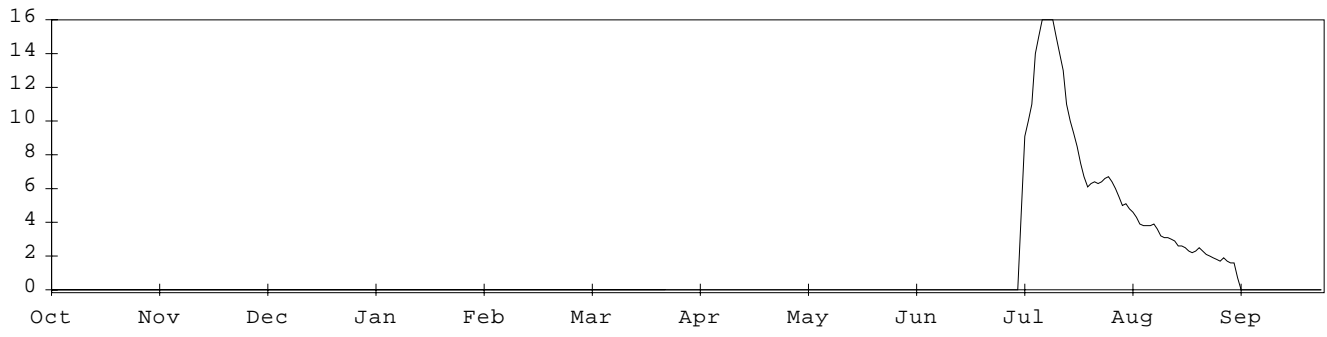
RATING TABLE.--VIDTUNCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	1.7
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.9
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	1.7
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.6
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	1.6
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	4.8	0.71
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	4.6	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	4.3	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.9	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.8	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	3.8	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	3.8	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	3.9	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	3.6	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	3.2	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	3.1	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	3.1	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	3.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	2.9	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	2.6	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	2.6	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	2.5	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	2.3	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	2.2	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	2.3	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	2.5	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	2.3	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	2.1	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	6.4	2.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	6.6	1.9	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	6.7	1.8	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	267.5	106.9	9.21
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.63	3.45	0.31
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	531	212	18
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	6.4	1.9
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0

CAL YR 1992 TOTAL	577.59	MEAN	1.58	MAX	12	MIN	0.00	AC-FT	1150
WTR YR 1993 TOTAL	383.61	MEAN	1.05	MAX	16	MIN	0.00	AC-FT	761

MAX DISCH	19 CFS AT 1900	14-JUL-1993	GH	1.36 FT.	SHIFT	-0.01 FT.	MAX GH	1.36 FT.	AT 1900
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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.

REMARKS.--The record is considered good except for the period of missing record June 11-14, 1993. The record is good except for periods of trash affect, which is fair, and the period of missing record, which is estimated. Station maintained by City of Northglenn and records developed by Rodger L. Burcher.

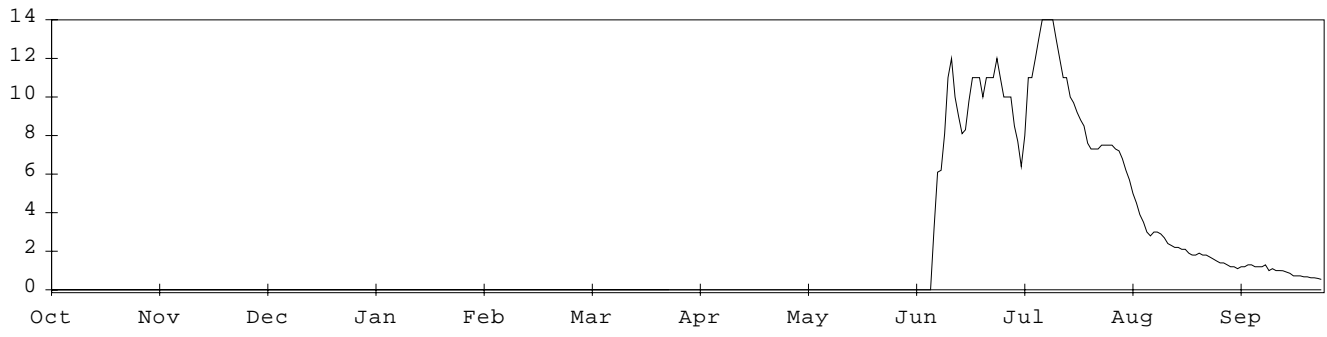
RATING TABLE.--BERDITC002 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	7.5	1.4
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	7.3	1.4
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	7.2	1.3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	6.8	1.2
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	6.2	1.2
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	5.7	1.1
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	5.0	1.2
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	4.5	1.2
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.9	1.3
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.5	1.3
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	13	3.0	1.2
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	14	2.8	1.2
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	14	3.0	1.2
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	14	3.0	1.3
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	14	2.9	1.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	13	2.7	1.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	12	2.4	1.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	11	2.3	1.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	11	2.2	0.99
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	10	2.2	0.92
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	9.7	2.1	0.86
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	9.2	2.1	0.73
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	8.8	1.9	0.73
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	8.5	1.8	0.73
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	7.6	1.8	0.68
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	7.3	1.9	0.68
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	7.3	1.8	0.63
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	7.3	1.8	0.63
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	12	7.5	1.7	0.59
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	11	7.5	1.6	0.54
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	7.5	1.5	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	190.8	308.8	104.1	30.31
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.36	9.96	3.36	1.01
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	378	613	206	60
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	14	7.5	1.4
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	1.5	0.54

CAL YR 1992 TOTAL	508.71	MEAN	1.39	MAX	11	MIN	0.00	AC-FT	1010
WTR YR 1993 TOTAL	634.01	MEAN	1.74	MAX	14	MIN	0.00	AC-FT	1260

NO PEAK DATA AVAILABLE



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 Williams 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.--Charts were not used. All figures as presented by the Denver Water Board were accepted and used. Station maintained by Denver Water Board and records developed by Rodger L. Burcher.

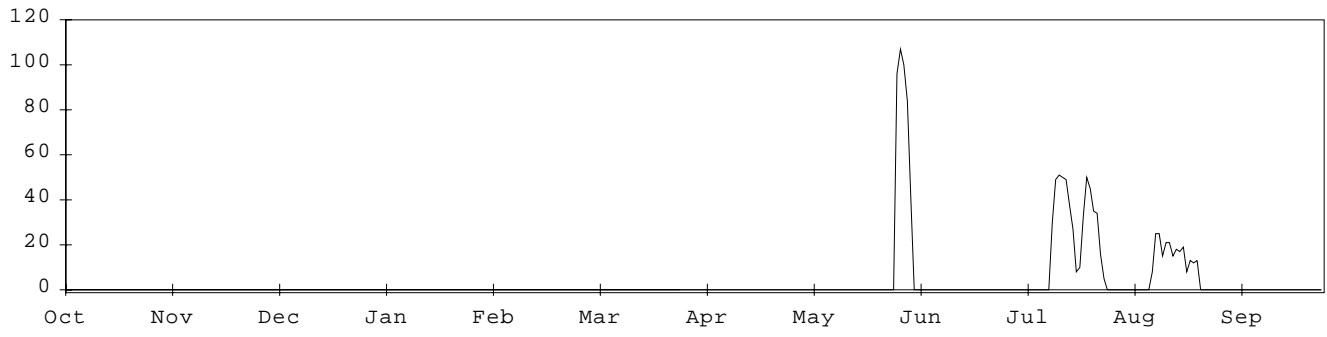
RATING TABLE.--APGTUNCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	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	8.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	25	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	15	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	21	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	21	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	15	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	18	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	17	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	19	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	8.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	13	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	12	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	13	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	5.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	96	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	107	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	203	226	530.0	230.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.55	7.53	17.1	7.42	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	403	448	1050	456	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107	100	51	25	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 1992 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00
WTR YR 1993 TOTAL 1189.0 MEAN 3.26 MAX 107 MIN 0.00 AC-FT 2360

NO PEAK DATA AVAILABLE



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 Williams 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 at 15' Parshall flume. Station maintained by Denver Water Board personnel. Record developed by Fred H. Renner.

REMARKS.--Record is complete and reliable except for the following period: December 17-22, 1992 when the DCP was off-line and no chart was available. Graphic chart record was used on November 6-7, 14-30: December 1-16, 1992: May 5-6, 1993. Record is good. Records developed by Fred H. Renner.

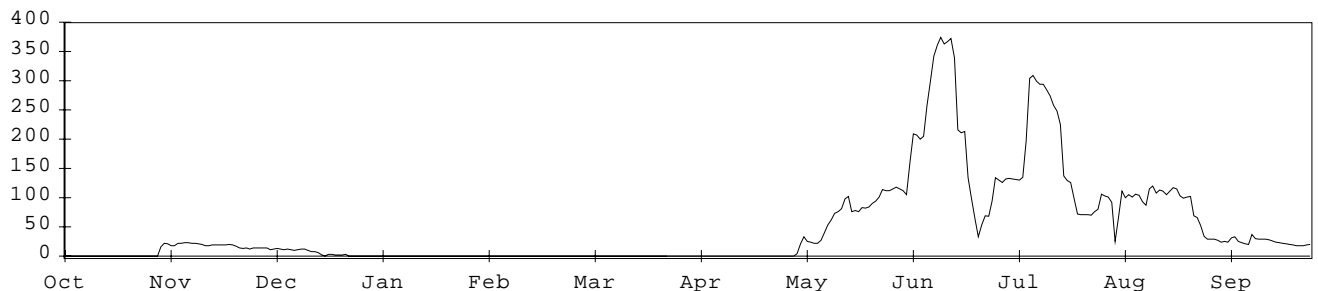
RATING TABLE.--MOFTUNCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	18	12	0.0	0.0	0.0	0.0	0.0	118	130	103	29
2	0.0	18	13	0.0	0.0	0.0	0.0	0.0	115	126	101	29
3	0.0	22	12	0.0	0.0	0.0	0.0	4.0	112	132	92	27
4	0.0	22	11	0.0	0.0	0.0	0.0	21	105	133	25	24
5	0.0	23	12	0.0	0.0	0.0	0.0	33	161	132	66	25
6	0.0	23	11	0.0	0.0	0.0	0.0	25	209	131	111	24
7	0.0	22	10	0.0	0.0	0.0	0.0	24	207	130	100	31
8	0.0	22	11	0.0	0.0	0.0	0.0	22	200	135	105	33
9	0.0	21	12	0.0	0.0	0.0	0.0	22	205	197	101	25
10	0.0	20	12	0.0	0.0	0.0	0.0	27	257	304	106	23
11	0.0	18	10	0.0	0.0	0.0	0.0	40	300	309	104	21
12	0.0	18	7.5	0.0	0.0	0.0	0.0	53	342	299	93	20
13	0.0	19	7.5	0.0	0.0	0.0	0.0	62	361	294	87	37
14	0.0	19	5.9	0.0	0.0	0.0	0.0	73	374	294	115	30
15	0.0	19	2.2	0.0	0.0	0.0	0.0	76	363	284	120	29
16	0.0	19	0.48	0.0	0.0	0.0	0.0	81	367	274	108	29
17	0.0	19	3.0	0.0	0.0	0.0	0.0	98	372	258	113	29
18	0.0	20	3.0	0.0	0.0	0.0	0.0	102	339	248	111	28
19	0.0	19	2.0	0.0	0.0	0.0	0.0	76	216	225	105	26
20	0.0	17	2.0	0.0	0.0	0.0	0.0	78	211	137	111	24
21	0.0	14	2.0	0.0	0.0	0.0	0.0	76	213	129	117	23
22	0.0	13	3.0	0.0	0.0	0.0	0.0	83	134	126	115	22
23	0.0	14	0.0	0.0	0.0	0.0	0.0	82	99	98	103	21
24	0.0	12	0.0	0.0	0.0	0.0	0.0	84	64	72	99	20
25	0.0	14	0.0	0.0	0.0	0.0	0.0	90	33	71	101	19
26	0.0	14	0.0	0.0	0.0	0.0	0.0	94	53	71	102	18
27	0.0	14	0.0	0.0	0.0	0.0	0.0	101	69	71	69	18
28	0.0	14	0.0	0.0	0.0	0.0	0.0	114	68	70	66	18
29	16	14	0.0	0.0	---	0.0	0.0	112	94	76	52	19
30	22	11	0.0	0.0	---	0.0	0.0	112	134	80	34	20
31	21	---	0.0	0.0	---	0.0	---	115	---	106	29	---
TOTAL	59	532	164.58	0.0	0.0	0.0	0.0	1980.0	5895	5142	2864	741
MEAN	1.90	17.7	5.31	0.0	0.0	0.0	0.0	63.9	197	166	92.4	24.7
AC-FT	117	1060	326	0.0	0.0	0.0	0.0	3930	11690	10200	5680	1470
MAX	22	23	13	0.0	0.0	0.0	0.0	115	374	309	120	37
MIN	0.0	11	0.0	0.0	0.0	0.0	0.0	0.0	33	70	25	18

CAL YR 1992 TOTAL 24525.38 MEAN 67.0 MAX 452 MIN 0.00 AC-FT 48650
WTR YR 1993 TOTAL 17377.58 MEAN 47.6 MAX 374 MIN 0.00 AC-FT 34470

MAX DISCH 479 CFS AT 1945 17-JUN-1993 GH 3.69 FT. SHIFT 0.06 FT. MAX GH 3.69 FT. AT 1945 17-JUN-1993



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.

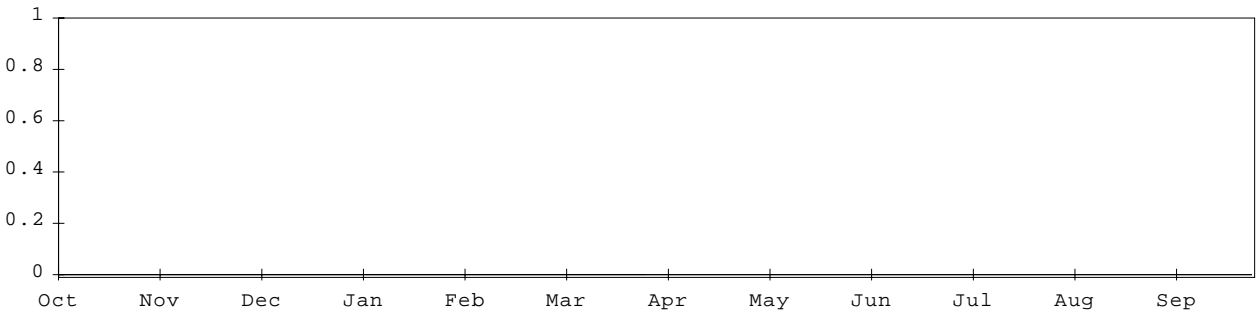
GAGE.--Graphic water-stage recorder.

REMARKS.--No water diverted this water year.

RATING TABLE.--EURDITCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAL YR 1992 TOTAL		108.83	MEAN	0.30	MAX	6.5	MIN	0.00	AC-FT	216		
WTR YR 1993 TOTAL		0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

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

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

GAGE.--Water-stage recorder with satellite telemetry in a concrete shelter and well at a 15-foot Parshall flume.

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

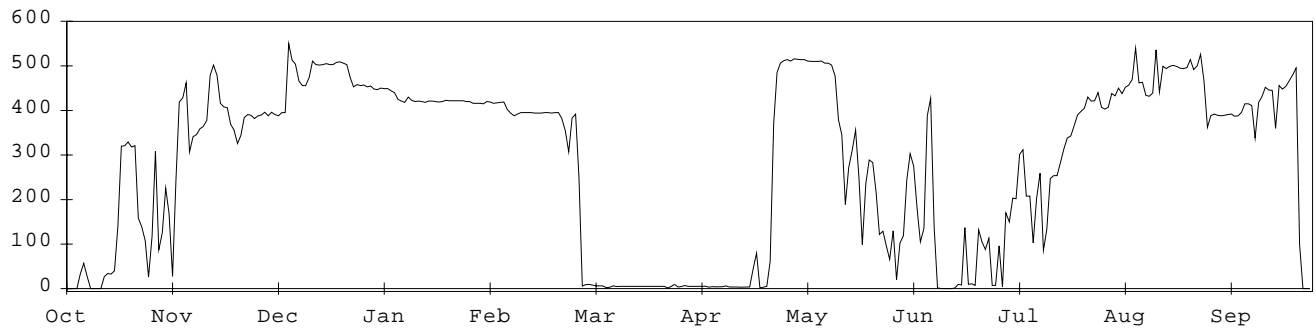
RATING TABLE.--ADATUNCO06 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.11	28	391	450	420	6.0	5.2	511	20	96	403	388
2	0.04	242	388	449	419	9.1	5.2	516	102	4.0	407	392
3	0.03	419	395	449	416	9.5	5.2	515	119	170	438	389
4	0.05	428	395	444	417	8.0	5.2	514	244	150	433	388
5	34	462	550	440	418	6.4	5.2	514	303	203	450	389
6	57	307	513	425	419	6.6	5.7	511	275	202	438	391
7	28	341	504	421	402	6.2	3.4	510	181	301	452	392
8	0.01	346	466	418	394	2.2	4.5	510	105	312	457	387
9	0.0	359	456	430	388	3.0	4.1	510	135	208	470	388
10	0.0	364	456	423	392	6.3	4.1	511	388	208	540	396
11	0.0	378	474	420	395	4.7	4.3	506	427	103	462	415
12	27	479	511	421	395	5.2	6.4	506	138	202	463	415
13	34	502	503	420	395	5.2	3.9	502	2.0	259	434	411
14	33	479	502	418	395	5.2	3.8	477	0.03	86	432	338
15	40	416	503	421	394	5.2	3.7	379	0.0	133	439	418
16	138	408	505	421	394	5.2	3.6	345	0.0	247	536	431
17	320	406	503	420	394	5.2	3.6	189	0.0	254	441	452
18	321	369	503	419	395	5.2	3.8	272	1.1	254	499	446
19	329	356	508	420	395	5.2	3.8	309	9.4	284	494	445
20	318	326	509	423	394	5.2	4.5	356	8.4	314	499	360
21	321	344	506	422	395	5.2	8.0	249	137	338	501	456
22	158	384	503	422	395	5.2	1.9	99	9.8	343	499	448
23	138	391	474	422	382	5.2	3.6	236	11	366	495	454
24	108	389	453	422	354	5.2	5.2	289	7.6	390	494	467
25	26	382	458	422	307	5.2	6.1	283	132	398	496	480
26	118	388	456	420	383	1.9	370	217	105	405	514	495
27	308	390	457	420	392	5.1	485	122	88	430	492	99
28	87	396	453	416	250	1.0	506	129	113	421	500	0.01
29	126	388	455	416	---	3.9	512	96	7.0	422	526	0.0
30	226	396	448	416	---	5.1	514	66	7.8	440	468	0.0
31	169	---	447	415	---	7.0	---	130	---	407	362	---
TOTAL	3464.24	11263	14645	13165	10889	173.8	2668.4	10879	3076.13	8350.0	14534	10930.01
MEAN	112	375	472	425	389	5.61	88.9	351	103	269	469	364
AC-FT	6870	22340	29050	26110	21600	345	5290	21580	6100	16560	28830	21680
MAX	329	502	550	450	420	10	514	516	427	440	540	495
MIN	0.0	28	388	415	250	1.9	1.9	66	0.0	4.0	362	0.0

CAL YR 1992 TOTAL 97620.59 MEAN 267 MAX 550 MIN 0.00 AC-FT 193600
WTR YR 1993 TOTAL 104037.58 MEAN 285 MAX 550 MIN 0.00 AC-FT 206400

MAX DISCH 621 CFS AT 0845 05-NOV-1992 GH 4.47 FT. SHIFT -0.06 FT. MAX GH 4.47 FT. AT 0845
05-NOV-1992



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 except for May 22-25, 1993, when Water Commissioner estimates and lake levels were used for computation. Record good except for estimated period which is fair. Station maintained and records developed by George Sievers.

RATING TABLE.-- USED FROM 01-OCT-1992 TO 25-MAY-1993

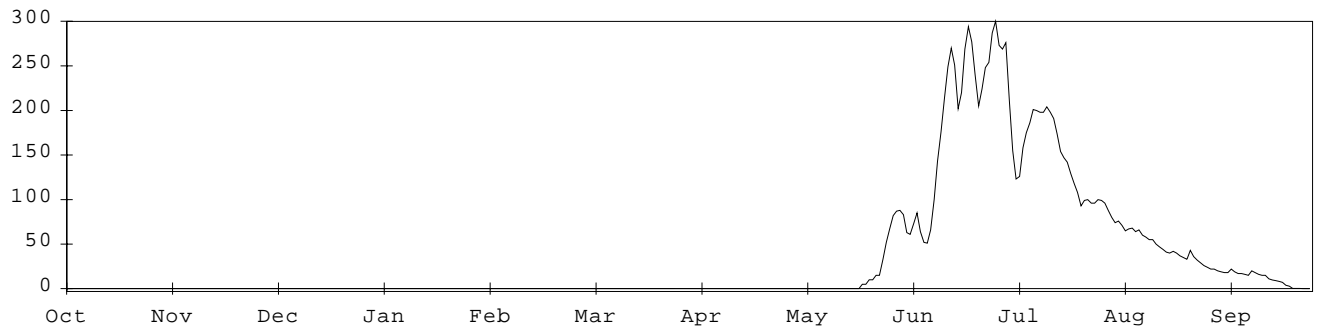
RATING TABLE.--GRNDRDC002 USED FROM 26-MAY-1993 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87	273	96	22
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88	269	88	22
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83	276	80	20
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63	211	74	19
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61	155	76	18
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73	123	71	18
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85	126	65	22
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64	158	67	19
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	175	68	17
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	186	64	17
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66	201	66	16
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100	200	60	15
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	143	198	58	20
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	176	198	55	18
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	213	204	55	16
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	249	198	50	15
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	270	191	47	15
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	251	174	44	11
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	202	154	41	9.7
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220	147	40	9.1
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	269	142	42	8.3
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	294	129	40	7.2
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	277	118	37	3.9
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	240	108	35	2.8
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	205	93	33	0.36
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	224	99	43	0.38
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	248	100	36	0.33
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	254	96	32	0.11
29	0.0	0.0	0.0	0.0	---	0.0	0.0	52	287	96	29	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	67	300	100	26	0.0
31	0.0	---	0.0	0.0	---	0.0	---	82	---	99	24	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	294.0	5195	4997	1642	362.18
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.48	173	161	53.0	12.1
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	583	10300	9910	3260	718
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82	300	276	96	22
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	93	24	0.0

CAL YR 1992 TOTAL 10770.50 MEAN 29.4 MAX 198 MIN 0.00 AC-FT 21360
WTR YR 1993 TOTAL 12490.18 MEAN 34.2 MAX 300 MIN 0.00 AC-FT 24770

MAX DISCH 344 CFS AT 2100 29-JUN-1993 GH 3.88 FT. SHIFT 0.00 FT. MAX GH 3.88 FT. AT 2100 29-JUN-1993



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06745500 CAMERON PASS DITCH AT CAMERON PASS, CO

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

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

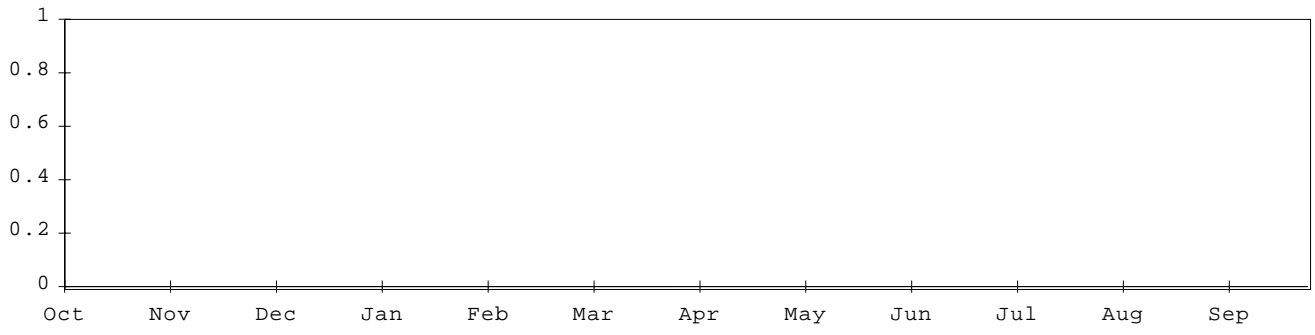
REMARKS.--Record is complete and reliable. No water run during 1993 Water Year. Records developed by George E. Sievers.

RATING TABLE.--CAPDCPC001 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAL YR 1992 TOTAL		65.99	MEAN	0.18	MAX	3.1	MIN	0.00	AC-FT	131		
WTR YR 1993 TOTAL		0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00		

NO PEAK DATA AVAILABLE



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06746000 MICHIGAN DITCH AT CAMERON PASS, CO

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

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

REMARKS.--Record is complete and reliable except for May 12, 21-22, 31; Jun. 1-7, 1993, when the chart record wasn't complete. Oct. 31-Nov. 1, 1992; May 13-15, 1993 were ice affected days. Station maintained and records developed by George E. Sievers.

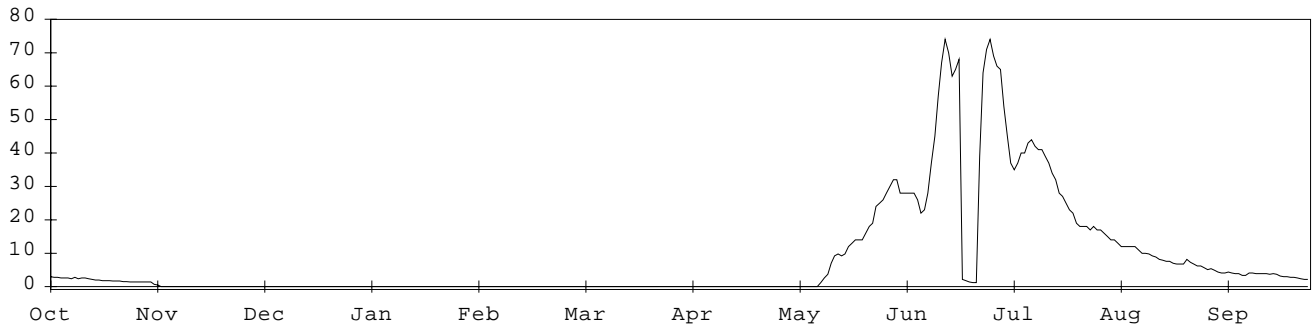
RATING TABLE.--MICDCPC002 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	30	69	17	5.1
2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	66	16	5.4
3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	65	15	4.9
4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	54	14	4.4
5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	45	14	4.1
6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	37	13	4.1
7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	35	12	4.4
8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	37	12	4.1
9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	40	12	3.9
10	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	40	12	3.9
11	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	43	12	3.4
12	2.4	0.0	0.0	0.0	0.0	0.0	0.0	1.2	28	44	11	3.4
13	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.6	37	42	10	4.1
14	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	45	41	10	4.1
15	2.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	57	41	9.8	3.9
16	1.8	0.0	0.0	0.0	0.0	0.0	0.0	9.2	67	39	9.2	3.9
17	1.8	0.0	0.0	0.0	0.0	0.0	0.0	9.8	74	37	8.9	3.9
18	1.8	0.0	0.0	0.0	0.0	0.0	0.0	9.2	70	34	8.2	3.9
19	1.7	0.0	0.0	0.0	0.0	0.0	0.0	9.8	63	32	7.9	3.7
20	1.7	0.0	0.0	0.0	0.0	0.0	0.0	12	65	28	7.6	3.9
21	1.7	0.0	0.0	0.0	0.0	0.0	0.0	13	68	27	7.6	3.7
22	1.5	0.0	0.0	0.0	0.0	0.0	0.0	14	2.2	25	7.0	3.2
23	1.5	0.0	0.0	0.0	0.0	0.0	0.0	14	1.8	23	6.8	3.0
24	1.4	0.0	0.0	0.0	0.0	0.0	0.0	14	1.4	22	6.8	3.0
25	1.4	0.0	0.0	0.0	0.0	0.0	0.0	16	1.2	19	6.8	2.8
26	1.4	0.0	0.0	0.0	0.0	0.0	0.0	18	1.2	18	8.2	2.8
27	1.4	0.0	0.0	0.0	0.0	0.0	0.0	19	39	18	7.3	2.6
28	1.4	0.0	0.0	0.0	0.0	0.0	0.0	24	64	18	6.8	2.4
29	1.4	0.0	0.0	0.0	---	0.0	0.0	25	71	17	6.2	2.2
30	1.4	0.0	0.0	0.0	---	0.0	0.0	26	74	18	6.2	2.2
31	0.70	---	0.0	0.0	---	0.0	---	28	---	17	5.7	---
TOTAL	61.80	0.50	0.0	0.0	0.0	0.0	0.0	275.5	1134.8	1091	307.0	110.4
MEAN	1.99	0.02	0.0	0.0	0.0	0.0	0.0	8.89	37.8	35.2	9.90	3.68
AC-FT	123	0.99	0.0	0.0	0.0	0.0	0.0	546	2250	2160	609	219
MAX	3.0	0.50	0.0	0.0	0.0	0.0	0.0	28	74	69	17	5.4
MIN	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	17	5.7	2.2

CAL YR 1992 TOTAL 2369.71 MEAN 6.47 MAX 51 MIN 0.00 AC-FT 4700
WTR YR 1993 TOTAL 2981.00 MEAN 8.17 MAX 74 MIN 0.00 AC-FT 5910

MAX DISCH 84 CFS AT 1930 21-JUN-1993 GH 1.82 FT. SHIFT 0.00 FT. MAX GH 1.82 FT. AT 1930
21-JUN-1993



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06746500 SKYLINE DITCH NEAR CHAMBERS LAKE, CO

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

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

REMARKS.--Record is complete and reliable. No water run in 1993 Water Year. Station maintained and records developed by George E. Sievers.

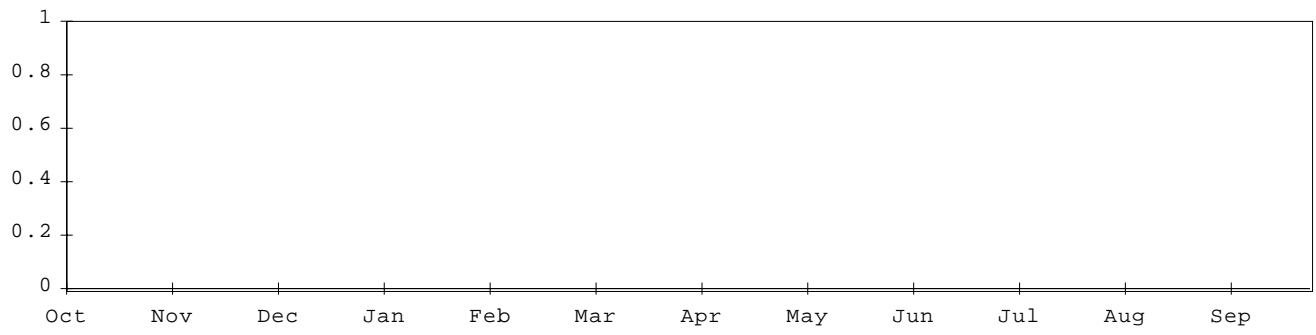
RATING TABLE.--SKYDCLCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

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

CAL YR 1992 TOTAL	99.8	MEAN	0.27	MAX	26	MIN	0.00	AC-FT	198
WTR YR 1993 TOTAL	0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00

NO PEAK DATA AVAILABLE



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06747000 LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE, CO

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

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

REMARKS.--Record is complete and reliable. Water was run May 14-Aug. 31, 1993. Station maintained and records developed by George E. Sievers.

RATING TABLE.--LAPTUNCO02 USED FROM 01-OCT-1992 TO 31-AUG-1993

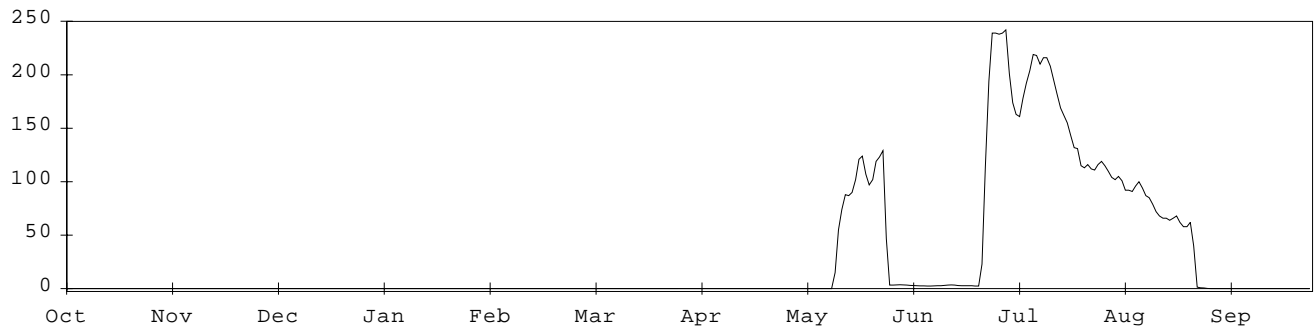
RATING TABLE USED FROM 01-SEP-1993 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	238	115	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	239	110	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	242	104	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	201	102	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	174	105	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	163	101	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	161	92	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	178	92	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	192	91	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	204	96	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	219	100	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	218	94	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	210	87	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	2.8	216	85	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55	3.1	216	79	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74	3.4	208	72	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88	3.5	195	68	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87	3.3	182	66	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90	2.9	169	66	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	2.8	162	64	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	121	2.8	155	66	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	124	2.8	143	68	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107	2.8	132	62	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97	2.5	131	58	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102	2.5	115	58	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	119	23	113	62	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	123	114	116	40	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	129	194	112	1.5	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	47	239	111	0.88	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	3.4	239	116	0.68	0.0
31	0.0	---	0.0	0.0	---	0.0	---	3.3	---	119	0.21	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1486.7	882.8	5350	2206.27	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.0	29.4	173	71.2	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2950	1750	10610	4380	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	129	239	242	115	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	111	0.21	0.0

CAL YR 1992 TOTAL 9419.7 MEAN 25.7 MAX 194 MIN 0.00 AC-FT 18680
WTR YR 1993 TOTAL 9925.77 MEAN 27.2 MAX 242 MIN 0.00 AC-FT 19690

MAX DISCH 267 CFS AT 1800 29-JUN-1993 GH 3.31 FT. SHIFT 0.00 FT. MAX GH 3.31 FT. AT 1800
29-JUN-1993



TRANSMOUNTAIN DIVERSION TO
PLATTE RIVER BASIN
DEADMAN DITCH NEAR DEADMAN PARK, CO

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

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

REMARKS.--Record is complete and reliable. No water run in Water Year 1993. Station maintained and records developed by George E. Sievers.

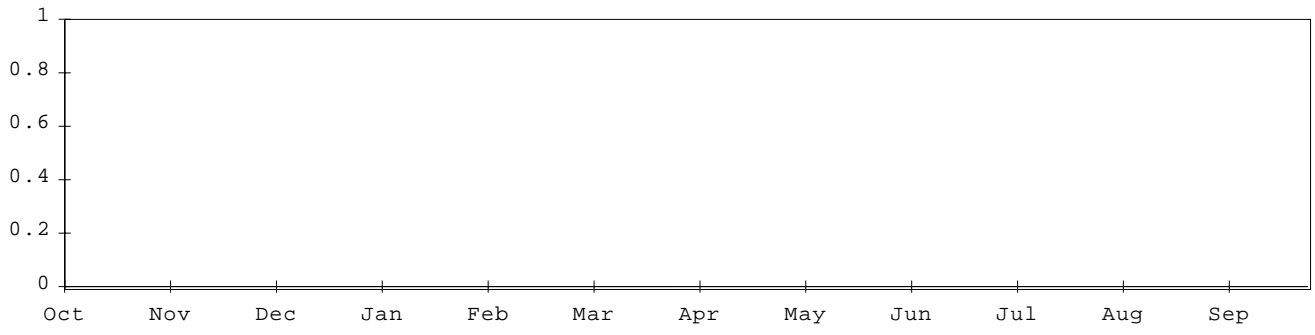
RATING TABLE.--DEADDP001 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

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

CAL YR 1992 TOTAL	499.5	MEAN	1.36	MAX	27	MIN	0.00	AC-FT	991
WTR YR 1993 TOTAL	0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00

NO PEAK DATA AVAILABLE



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.

REMARKS.--Record is complete and reliable. Water was run May 14-30, 1993. May 14 was estimated. Station maintained and records developed by George E. Sievers.

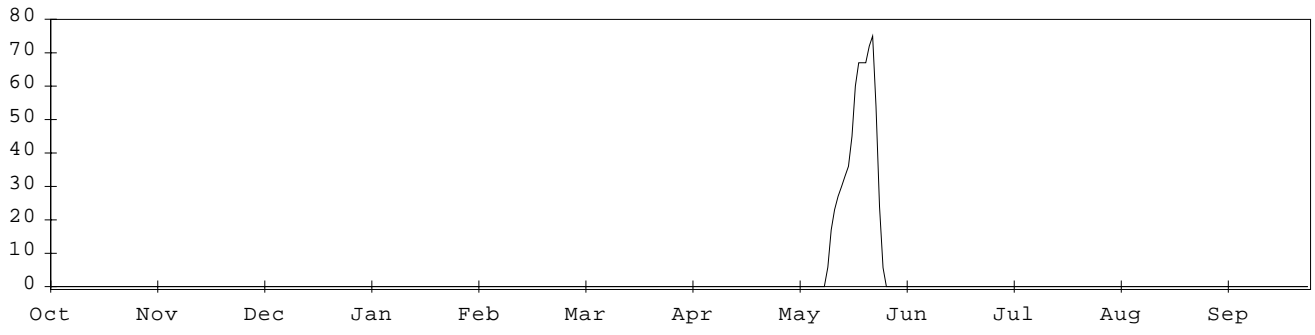
RATING TABLE.--WSDEARCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	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	5.8	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	24	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	5.7	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	708.5	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.9	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1410	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75	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 1992 TOTAL 928.9 MEAN 2.54 MAX 46 MIN 0.00 AC-FT 1840
WTR YR 1993 TOTAL 708.5 MEAN 1.94 MAX 75 MIN 0.00 AC-FT 1410

MAX DISCH 97 CFS AT 1700 26-MAY-1993 GH 1.76 FT. SHIFT 0.00 FT. MAX GH 1.76 FT. AT 1700
26-MAY-1993



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 at 5' Parshall flume.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 31-Nov. 5, 1992 when flow in canal but no chart was on recorder; Nov. 6, 1992-Apr. 23, 1993 when canal was shut down for the winter. Record is good except for periods of no gage-height record, which is fair. Station maintained by Pioneer Ditch Company. Records developed by Fred H. Renner.

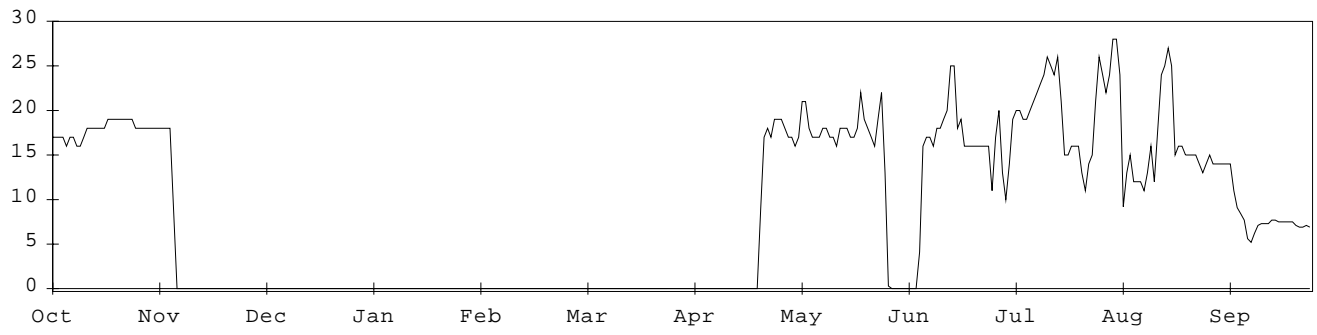
RATING TABLE.--PIOHDGCO03 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	18	0.0	0.0	0.0	0.0	0.0	18	0.0	17	24	15
2	17	18	0.0	0.0	0.0	0.0	0.0	17	0.0	20	22	14
3	17	18	0.0	0.0	0.0	0.0	0.0	17	0.0	13	24	14
4	17	18	0.0	0.0	0.0	0.0	0.0	16	0.0	10	28	14
5	16	9.0	0.0	0.0	0.0	0.0	0.0	17	0.0	14	28	14
6	17	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	19	24	14
7	17	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	20	9.2	14
8	16	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	20	13	11
9	16	0.0	0.0	0.0	0.0	0.0	0.0	17	4.1	19	15	9.1
10	17	0.0	0.0	0.0	0.0	0.0	0.0	17	16	19	12	8.4
11	18	0.0	0.0	0.0	0.0	0.0	0.0	17	17	20	12	7.7
12	18	0.0	0.0	0.0	0.0	0.0	0.0	18	17	21	12	5.6
13	18	0.0	0.0	0.0	0.0	0.0	0.0	18	16	22	11	5.2
14	18	0.0	0.0	0.0	0.0	0.0	0.0	17	18	23	13	6.2
15	18	0.0	0.0	0.0	0.0	0.0	0.0	17	18	24	16	7.1
16	18	0.0	0.0	0.0	0.0	0.0	0.0	16	19	26	12	7.3
17	19	0.0	0.0	0.0	0.0	0.0	0.0	18	20	25	18	7.3
18	19	0.0	0.0	0.0	0.0	0.0	0.0	18	25	24	24	7.3
19	19	0.0	0.0	0.0	0.0	0.0	0.0	18	25	26	25	7.7
20	19	0.0	0.0	0.0	0.0	0.0	0.0	17	18	21	27	7.7
21	19	0.0	0.0	0.0	0.0	0.0	0.0	17	19	15	25	7.5
22	19	0.0	0.0	0.0	0.0	0.0	0.0	18	16	15	15	7.5
23	19	0.0	0.0	0.0	0.0	0.0	0.0	22	16	16	16	7.5
24	19	0.0	0.0	0.0	0.0	0.0	9.0	19	16	16	16	7.5
25	18	0.0	0.0	0.0	0.0	0.0	17	18	16	16	15	7.5
26	18	0.0	0.0	0.0	0.0	0.0	18	17	16	13	15	7.1
27	18	0.0	0.0	0.0	0.0	0.0	17	16	16	11	15	6.9
28	18	0.0	0.0	0.0	0.0	0.0	19	19	16	14	15	6.9
29	18	0.0	0.0	0.0	---	0.0	19	22	16	15	14	7.1
30	18	0.0	0.0	0.0	---	0.0	19	13	11	21	13	6.9
31	18	---	0.0	0.0	---	0.0	---	0.30	---	26	14	---
TOTAL	553	81.0	0.0	0.0	0.0	0.0	118.0	534.30	371.1	581	542.2	269.0
MEAN	17.8	2.70	0.0	0.0	0.0	0.0	3.93	17.2	12.4	18.7	17.5	8.97
AC-FT	1100	161	0.0	0.0	0.0	0.0	234	1060	736	1150	1080	534
MAX	19	18	0.0	0.0	0.0	0.0	19	22	25	26	28	15
MIN	16	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	10	9.2	5.2

CAL YR 1992 TOTAL 3878.3 MEAN 10.6 MAX 31 MIN 0.00 AC-FT 7690
WTR YR 1993 TOTAL 3049.60 MEAN 8.36 MAX 28 MIN 0.00 AC-FT 6050

MAX DISCH 33 CFS AT 0730 02-JUL-1993 GH 1.45 FT. SHIFT -0.09 FT. MAX GH 1.45 FT. AT 0730
02-JUL-1993



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 at 4' Parshall flume. Station maintained by Pioneer Ditch Company.

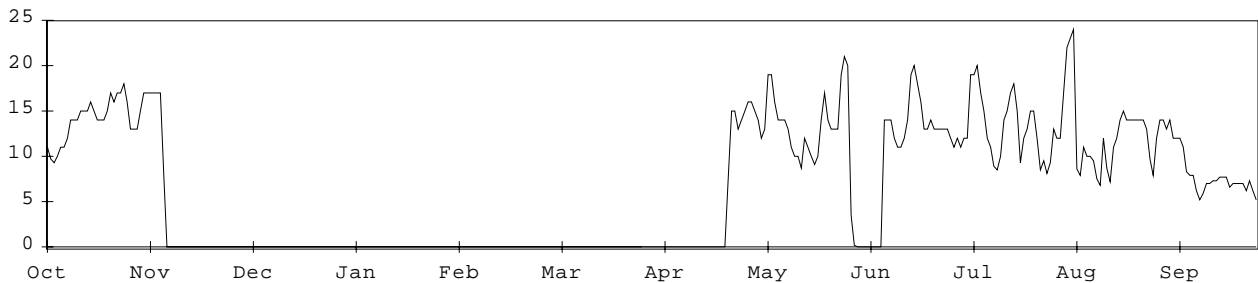
REMARKS.--Record is complete and reliable except for the following periods: Oct. 31-Nov. 5, 1992 when no chart record was available; Nov. 6, 1992-Apr. 23, 1993; June 2-9, 1993 when canal was off; July 11-12, 26-28, 1993 when chart cylinder was loose; June 10, 14; July 2, 1993 transition days and Aug. 21-22, 1993 rainstorm event when data was insufficient to compute reliable discharge. The conditions at the gage makes record computation very difficult. Stage-shift curves were needed because of the fluctuation of submergence. This is the result of backwater from boards in canal, and sudden rain/hailstorms. Record is fair, except for period of no gage-height record and period of submergence, which is poor. Records developed by Fred H. Renner.

RATING TABLE.--PIOSTLCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	17	0.0	0.0	0.0	0.0	0.0	16	0.19	11	12	14
2	9.7	17	0.0	0.0	0.0	0.0	0.0	15	0.0	12	12	14
3	9.3	17	0.0	0.0	0.0	0.0	0.0	14	0.0	11	17	13
4	10	17	0.0	0.0	0.0	0.0	0.0	12	0.0	12	22	14
5	11	8.0	0.0	0.0	0.0	0.0	0.0	13	0.0	12	23	12
6	11	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	19	24	12
7	12	0.0	0.0	0.0	0.0	0.0	0.0	19	0.0	19	8.6	12
8	14	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	20	7.9	11
9	14	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	17	11	8.3
10	14	0.0	0.0	0.0	0.0	0.0	0.0	14	14	15	10	7.9
11	15	0.0	0.0	0.0	0.0	0.0	0.0	14	14	12	10	7.9
12	15	0.0	0.0	0.0	0.0	0.0	0.0	13	14	11	9.5	6.2
13	15	0.0	0.0	0.0	0.0	0.0	0.0	11	12	8.9	7.5	5.2
14	16	0.0	0.0	0.0	0.0	0.0	0.0	10	11	8.5	6.8	5.9
15	15	0.0	0.0	0.0	0.0	0.0	0.0	10	11	10	12	7.0
16	14	0.0	0.0	0.0	0.0	0.0	0.0	8.7	12	14	8.7	7.0
17	14	0.0	0.0	0.0	0.0	0.0	0.0	12	14	15	7.2	7.3
18	14	0.0	0.0	0.0	0.0	0.0	0.0	11	19	17	11	7.3
19	15	0.0	0.0	0.0	0.0	0.0	0.0	10	20	18	12	7.7
20	17	0.0	0.0	0.0	0.0	0.0	0.0	9.1	18	15	14	7.7
21	16	0.0	0.0	0.0	0.0	0.0	0.0	10	16	9.3	15	7.7
22	17	0.0	0.0	0.0	0.0	0.0	0.0	14	13	12	14	6.6
23	17	0.0	0.0	0.0	0.0	0.0	0.0	17	13	13	14	7.0
24	18	0.0	0.0	0.0	0.0	0.0	7.6	14	14	15	14	7.0
25	16	0.0	0.0	0.0	0.0	0.0	15	13	13	15	14	7.0
26	13	0.0	0.0	0.0	0.0	0.0	15	13	13	12	14	7.0
27	13	0.0	0.0	0.0	0.0	0.0	13	13	13	8.5	14	6.2
28	13	0.0	0.0	0.0	0.0	0.0	14	19	13	9.5	13	7.3
29	15	0.0	0.0	0.0	---	0.0	15	21	13	8.1	9.7	6.2
30	17	0.0	0.0	0.0	---	0.0	16	20	12	9.3	7.9	5.2
31	17	---	0.0	0.0	---	0.0	---	3.5	---	13	12	---
TOTAL	438.0	76.0	0.0	0.0	0.0	0.0	95.6	418.3	292.19	402.1	387.8	254.6
MEAN	14.1	2.53	0.0	0.0	0.0	0.0	3.19	13.5	9.74	13.0	12.5	8.49
AC-FT	869	151	0.0	0.0	0.0	0.0	190	830	580	798	769	505
MAX	18	17	0.0	0.0	0.0	0.0	16	21	20	20	24	14
MIN	9.3	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	8.1	6.8	5.2
CAL YR 1992 TOTAL	2767.24	MEAN	7.56	MAX	24	MIN	0.00	AC-FT	5490			
WTR YR 1993 TOTAL	2364.59	MEAN	6.48	MAX	24	MIN	0.00	AC-FT	4690			

NO PEAK DATA AVAILABLE



REPUBLICAN RIVER BASIN

HALE DITCH BELOW BONNY RESERVOIR NEAR HALE, CO

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

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

REMARKS.--Record developed by Jim Clark with cooperation of U.S. Bureau of Reclamation, McCook, Nebraska.

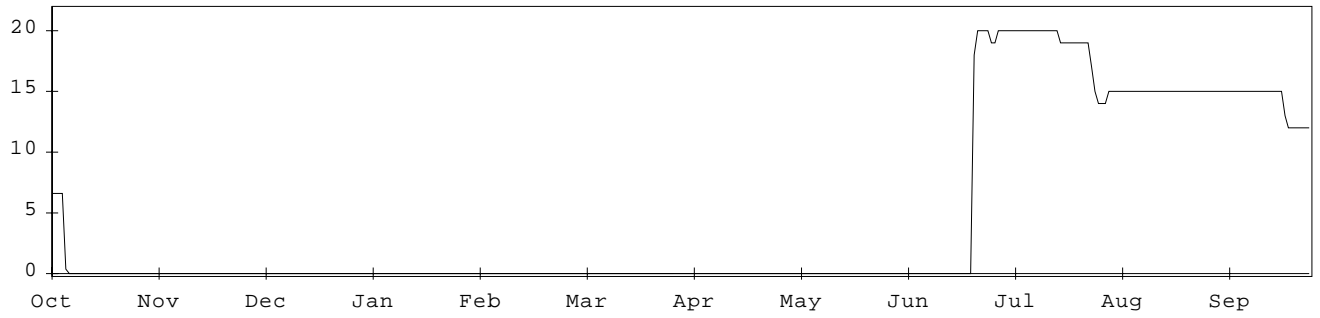
RATING TABLE.--HLDBBRC002 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	14	15
2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	14	15
3	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
5	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	15
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	15	15
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	15	15
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	15	15
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	15	13
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	15	12
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	19	15	12
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	19	15	12
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	19	15	12
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	19	15	12
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	20	17	15	12
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	19	15	15	12
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	14	15	---
TOTAL	26.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117	596	463	427
MEAN	0.86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.90	19.2	14.9	14.2
AC-FT	53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	232	1180	918	847
MAX	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	20	15	15
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	14	12

CAL YR 1992 TOTAL	1967.08	MEAN	5.37	MAX	16	MIN	0.00	AC-FT	3900
WTR YR 1993 TOTAL	1629.78	MEAN	4.47	MAX	20	MIN	0.00	AC-FT	3230

NO PEAK DATA AVAILABLE



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO

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

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

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

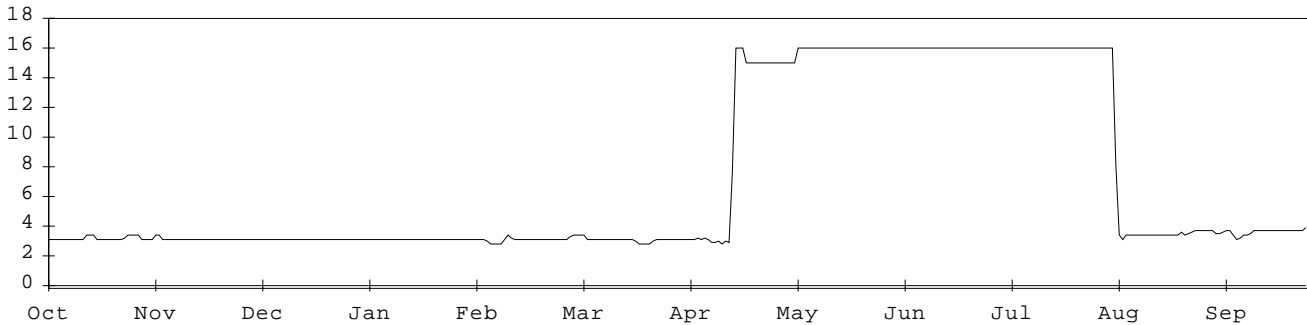
RATING TABLE.--LFCBSLCO04 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	3.4	3.1	3.1	3.1	3.4	3.1	15	16	16	16	3.7
2	3.1	3.4	3.1	3.1	3.1	3.4	3.1	15	16	16	16	3.7
3	3.1	3.1	3.1	3.1	3.1	3.4	3.1	15	16	16	16	3.5
4	3.1	3.1	3.1	3.1	3.1	3.4	3.1	15	16	16	16	3.5
5	3.1	3.1	3.1	3.1	3.0	3.1	3.1	16	16	16	8.0	3.6
6	3.1	3.1	3.1	3.1	2.8	3.1	3.2	16	16	16	3.4	3.7
7	3.1	3.1	3.1	3.1	2.8	3.1	3.1	16	16	16	3.1	3.7
8	3.1	3.1	3.1	3.1	2.8	3.1	3.2	16	16	16	3.4	3.4
9	3.1	3.1	3.1	3.1	2.8	3.1	3.1	16	16	16	3.4	3.1
10	3.1	3.1	3.1	3.1	3.1	3.1	2.9	16	16	16	3.4	3.2
11	3.1	3.1	3.1	3.1	3.4	3.1	2.9	16	16	16	3.4	3.4
12	3.4	3.1	3.1	3.1	3.2	3.1	3.0	16	16	16	3.4	3.4
13	3.4	3.1	3.1	3.1	3.1	3.1	2.8	16	16	16	3.4	3.5
14	3.4	3.1	3.1	3.1	3.1	3.1	3.0	16	16	16	3.4	3.7
15	3.1	3.1	3.1	3.1	3.1	3.1	2.9	16	16	16	3.4	3.7
16	3.1	3.1	3.1	3.1	3.1	3.1	7.7	16	16	16	3.4	3.7
17	3.1	3.1	3.1	3.1	3.1	3.1	16	16	16	16	3.4	3.7
18	3.1	3.1	3.1	3.1	3.1	3.1	16	16	16	16	3.4	3.7
19	3.1	3.1	3.1	3.1	3.1	3.0	16	16	16	16	3.4	3.7
20	3.1	3.1	3.1	3.1	3.1	2.8	15	16	16	16	3.4	3.7
21	3.1	3.1	3.1	3.1	3.1	2.8	15	16	16	16	3.4	3.7
22	3.1	3.1	3.1	3.1	3.1	2.8	15	16	16	16	3.4	3.7
23	3.2	3.1	3.1	3.1	3.1	2.8	15	16	16	16	3.4	3.7
24	3.4	3.1	3.1	3.1	3.1	3.0	15	16	16	16	3.6	3.7
25	3.4	3.1	3.1	3.1	3.1	3.1	15	16	16	16	3.4	3.7
26	3.4	3.1	3.1	3.1	3.1	3.1	15	16	16	16	3.5	3.7
27	3.4	3.1	3.1	3.1	3.1	3.1	15	16	16	16	3.6	3.7
28	3.1	3.1	3.1	3.1	3.1	3.1	15	16	16	16	3.7	3.7
29	3.1	3.1	3.1	3.1	3.3	3.1	15	16	16	16	3.7	3.9
30	3.1	3.1	3.1	3.1	---	3.1	15	16	16	16	3.7	3.7
31	3.1	---	3.1	3.1	---	3.1	---	16	---	16	3.7	---
TOTAL	98.3	93.6	96.1	96.1	89.2	95.9	266.3	492	480	496	161.8	108.5
MEAN	3.17	3.12	3.10	3.10	3.08	3.09	8.88	15.9	16.0	16.0	5.22	3.62
AC-FT	195	186	191	191	177	190	528	976	952	984	321	215
MAX	3.4	3.4	3.1	3.1	3.4	3.4	16	16	16	16	16	3.9
MIN	3.1	3.1	3.1	3.1	2.8	2.8	2.8	15	16	16	3.1	3.1

WTR YR 1992 TOTAL 2573.8 MEAN 7.03 MAX 16 MIN 2.8 AC-FT 5110

MAX DISCH 17 CFS AT 1600 20-MAY-1992 GH 0.54 FT. SHIFT 0.01 FT. MAX GH 0.54 FT. AT 2230 16-APR-1992



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO

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

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

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

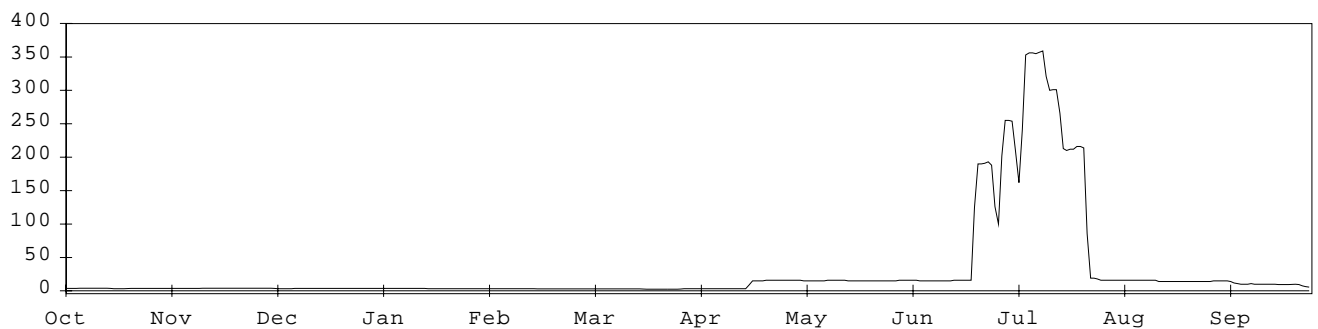
RATING TABLE.--LFCBSLC004 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	3.7	3.6	3.7	3.4	3.1	3.4	16	15	100	16	14
2	3.7	3.8	3.4	3.7	3.4	3.1	3.4	16	16	202	16	15
3	3.7	3.7	3.4	3.7	3.4	3.1	3.4	16	16	255	16	15
4	3.8	3.7	3.4	3.7	3.4	3.1	3.4	16	16	255	16	15
5	3.9	3.7	3.4	3.7	3.4	3.1	3.4	15	16	254	16	15
6	4.0	3.7	3.4	3.7	3.4	3.1	3.4	15	16	210	16	15
7	4.0	3.7	3.6	3.7	3.4	3.1	3.4	15	16	162	16	14
8	3.9	3.7	3.7	3.7	3.4	3.1	3.4	15	15	241	16	12
9	4.0	3.7	3.7	3.7	3.4	3.1	3.4	15	15	353	16	11
10	4.0	3.9	3.7	3.7	3.4	3.1	3.4	15	15	356	16	10
11	4.0	4.0	3.7	3.7	3.4	3.1	3.4	15	15	356	16	10
12	4.0	4.0	3.7	3.7	3.4	3.1	3.4	16	15	355	16	10
13	4.0	4.0	3.7	3.7	3.4	3.1	3.4	16	15	357	16	11
14	3.6	4.0	3.7	3.7	3.4	3.1	3.4	16	15	359	16	10
15	3.4	4.0	3.7	3.4	3.4	3.1	3.4	16	15	321	16	10
16	3.4	4.0	3.7	3.4	3.1	3.1	3.4	16	15	300	16	10
17	3.4	4.0	3.7	3.4	3.1	3.1	3.4	16	15	301	14	10
18	3.4	4.0	3.7	3.4	3.1	3.1	3.4	15	16	301	14	10
19	3.5	4.0	3.7	3.4	3.1	2.8	8.7	15	16	266	14	10
20	3.7	4.0	3.7	3.4	3.1	2.6	15	15	16	213	14	10
21	3.7	4.0	3.7	3.4	3.1	2.6	15	15	16	210	14	9.6
22	3.7	4.0	3.7	3.4	3.1	2.6	15	15	16	212	14	9.5
23	3.7	4.0	3.7	3.4	3.1	2.6	15	15	16	212	14	9.5
24	3.7	4.0	3.7	3.4	3.1	2.6	16	15	125	216	14	9.5
25	3.8	4.0	3.7	3.4	3.1	2.6	16	15	190	216	14	9.7
26	3.7	4.0	3.7	3.4	3.1	2.6	16	15	190	214	14	10
27	3.7	4.0	3.7	3.4	3.1	2.6	16	15	191	86	14	9.4
28	3.7	4.0	3.7	3.4	3.1	2.6	16	15	193	19	14	7.6
29	3.7	4.0	3.7	3.4	---	2.6	16	15	188	19	14	6.3
30	3.7	4.0	3.7	3.4	---	2.8	16	15	126	18	14	5.6
31	3.7	---	3.7	3.4	---	3.4	---	15	---	16	14	---
TOTAL	115.9	117.3	113.0	109.6	91.3	90.8	241.9	475	1560	6955	466	323.7
MEAN	3.74	3.91	3.65	3.54	3.26	2.93	8.06	15.3	52.0	224	15.0	10.8
AC-FT	230	233	224	217	181	180	480	942	3090	13800	924	642
MAX	4.0	4.0	3.7	3.7	3.4	3.4	16	16	193	359	16	15
MIN	3.4	3.7	3.4	3.4	3.1	2.6	3.4	15	15	16	14	5.6

CAL YR 1992 TOTAL 2632.0 MEAN 7.19 MAX 16 MIN 2.8 AC-FT 5220
WTR YR 1993 TOTAL 10659.5 MEAN 29.2 MAX 359 MIN 2.6 AC-FT 21140

MAX DISCH 400 CFS AT 1445 08-JUL-1993 GH 2.01 FT. SHIFT 0.00 FT. MAX GH 2.01 FT. AT 1445 08-JUL-1993



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 mi².

GAGE.--Water-stage recorder and satellite telemetry. Elevation of gage is 9,310 ft, from topographic map. 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. 5, 1992-Apr. 9, 1993 when the station was closed for the winter. Nov. 1, 1992; Apr. 15-21, 1993 when stage-discharge relationship was affected by ice. Record good, except for periods of ice effect, which is poor. Discharge includes trans-mountain diversions through Twin Lakes Tunnel. Station maintained and records developed by L.R. Schultz.

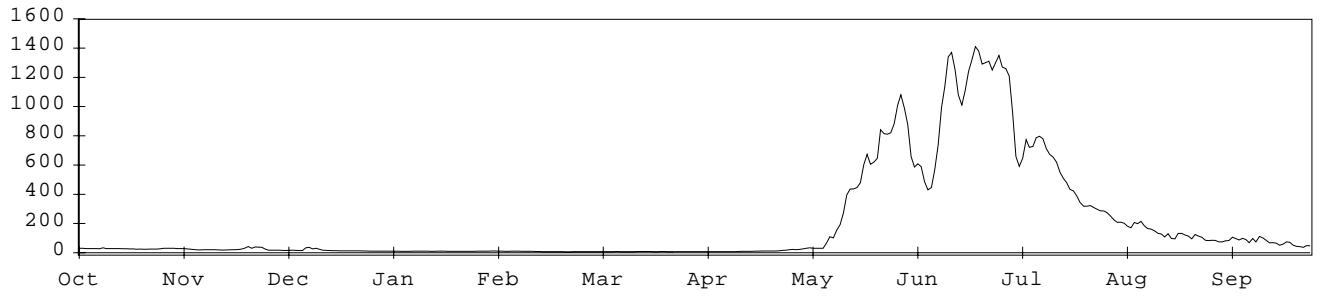
RATING TABLE.--LAKATLCO18 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	28	15	11	12	8.0	8.0	21	1080	1270	274	85
2	30	26	16	10	11	7.8	8.2	23	990	1260	251	84
3	29	24	17	11	11	7.8	8.0	26	876	1210	225	74
4	29	22	16	10	10	8.0	8.4	31	658	963	208	75
5	28	20	15	10	10	8.4	8.2	34	587	659	209	82
6	29	20	15	10	11	8.2	8.0	31	609	591	202	83
7	27	21	34	10	11	8.2	7.8	31	589	646	182	106
8	34	21	37	11	11	8.4	7.6	31	486	774	171	97
9	29	21	26	11	10	8.6	8.0	30	430	721	207	88
10	29	21	30	11	10	8.4	8.2	68	447	727	199	98
11	29	20	24	11	9.8	8.2	8.2	110	570	787	215	91
12	29	19	17	11	9.4	8.0	8.3	102	738	797	184	69
13	28	19	16	10	9.0	8.2	8.3	155	993	779	165	97
14	27	20	15	10	8.6	8.4	8.5	191	1140	713	162	74
15	27	21	14	11	8.0	8.6	9.1	273	1340	673	150	111
16	26	21	14	11	7.6	8.8	9.6	396	1370	654	134	102
17	26	22	13	11	7.6	9.0	9.8	436	1250	620	128	85
18	24	25	13	10	7.4	9.0	9.8	437	1080	551	108	68
19	25	32	13	10	7.4	8.8	11	447	1010	510	131	69
20	24	43	13	10	7.2	8.4	11	479	1110	480	97	66
21	24	30	13	10	7.2	8.4	12	602	1240	433	95	51
22	25	40	13	10	7.0	8.6	12	673	1320	424	133	59
23	25	38	13	9.8	7.0	8.6	12	605	1410	387	132	75
24	25	37	12	9.8	7.2	8.4	12	619	1380	344	121	71
25	27	25	12	10	7.6	8.4	12	647	1290	319	114	51
26	30	17	11	10	7.8	8.2	13	841	1300	318	96	44
27	30	17	11	11	8.0	8.0	16	814	1310	323	125	42
28	31	17	11	11	8.2	7.8	18	811	1250	310	114	37
29	30	17	11	11	---	8.0	21	821	1300	298	106	49
30	29	16	11	11	---	7.8	23	882	1350	287	85	47
31	29	---	11	12	---	7.8	---	1010	---	286	83	---
TOTAL	865	720	502	325.6	249.0	257.2	325.0	11677	30503	19114	4806	2230
MEAN	27.9	24.0	16.2	10.5	8.89	8.30	10.8	377	1017	617	155	74.3
AC-FT	1720	1430	996	646	494	510	645	23160	60500	37910	9530	4420
MAX	34	43	37	12	12	9.0	23	1010	1410	1270	274	111
MIN	24	16	11	9.8	7.0	7.8	7.6	21	430	286	83	37

CAL YR 1992 TOTAL 46336.9 MEAN 127 MAX 736 MIN 7.8 AC-FT 91910
WTR YR 1993 TOTAL 71573.8 MEAN 196 MAX 1410 MIN 7.0 AC-FT 142000

MAX DISCH 1654 CFS AT 2000 29-JUN-1993 GH 4.69 FT. SHIFT 0.88 FT. MAX GH 4.92 FT. AT 2300
16-JUN-1993



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES

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

GAGE.--Water-stage recorder and concrete flume. Datum of gage is 9,200 ft. above mean sea level.

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

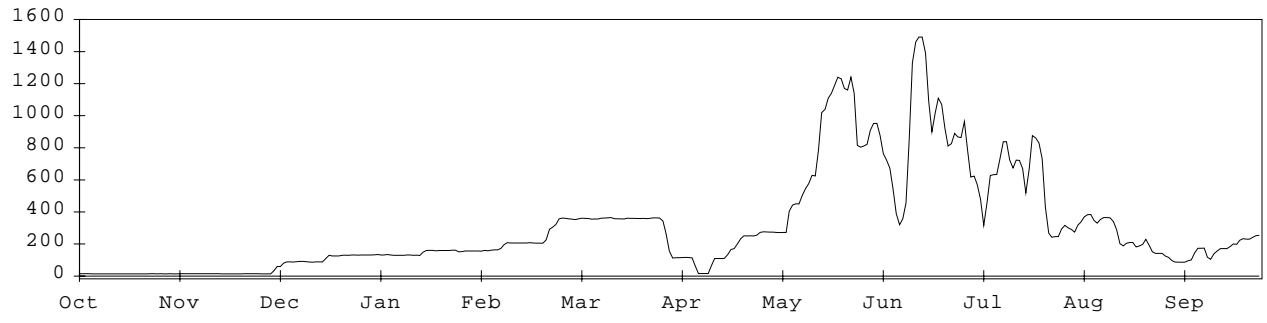
RATING TABLE.--LAKBTLCO07 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	15	60	134	157	357	156	275	822	964	316	126
2	15	15	60	132	156	355	113	274	909	784	302	117
3	15	15	81	132	161	352	115	274	952	618	291	98
4	15	15	89	134	158	357	115	273	953	623	274	88
5	14	15	89	132	162	361	116	271	877	572	317	87
6	14	15	88	130	164	360	117	272	764	478	338	87
7	14	15	90	130	164	359	116	272	724	316	369	87
8	14	15	92	130	173	355	114	404	673	455	383	96
9	14	15	92	130	196	356	63	443	544	627	384	101
10	14	15	90	132	208	356	16	451	390	632	347	143
11	14	15	88	132	207	361	16	450	320	634	330	174
12	14	15	87	130	207	362	16	504	357	735	353	174
13	14	15	89	131	207	363	16	546	456	838	365	175
14	14	14	89	129	207	365	68	577	850	838	365	118
15	14	14	89	149	207	358	110	629	1330	725	363	105
16	14	14	110	160	207	357	110	625	1460	675	339	140
17	14	14	130	161	208	357	110	786	1490	723	287	157
18	14	14	126	161	207	356	111	1020	1490	721	203	172
19	14	14	126	158	206	361	135	1040	1390	671	188	172
20	14	14	126	160	205	360	166	1110	1090	519	204	172
21	14	15	130	160	205	360	171	1140	900	668	209	185
22	14	15	131	159	227	359	201	1190	1020	876	209	200
23	15	15	130	160	292	359	233	1240	1110	862	182	199
24	15	15	132	162	306	360	252	1230	1070	831	189	224
25	14	15	132	162	322	358	250	1170	924	733	198	233
26	15	14	131	152	357	360	251	1160	811	432	229	230
27	14	14	132	153	362	363	250	1240	826	268	194	230
28	14	14	132	157	360	363	256	1140	890	243	152	243
29	15	14	132	157	---	362	273	815	868	246	142	253
30	14	33	132	157	---	343	276	804	864	246	142	254
31	14	---	133	157	---	262	---	811	---	294	142	---
TOTAL	442	457	3338	4523	6198	11017	4312	22436	27124	18847	8306	4840
MEAN	14.3	15.2	108	146	221	355	144	724	904	608	268	161
AC-FT	877	906	6620	8970	12290	21850	8550	44500	53800	37380	16470	9600
MAX	15	33	133	162	362	365	276	1240	1490	964	384	254
MIN	14	14	60	129	156	262	16	271	320	243	142	87

CAL YR 1992 TOTAL	71345	MEAN	195	MAX	884	MIN	14	AC-FT	141500
WTR YR 1993 TOTAL	111840	MEAN	306	MAX	1490	MIN	14	AC-FT	221800

MAX DISCH 1514 CFS AT 1845 16-JUN-1993 GH 5.06 FT. SHIFT 0.00 FT. MAX GH 5.06 FT. AT 1845 16-JUN-1993



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 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Nov. 4-8, 12-19, 22-30; Dec. 1-17, 21-27, 1992; Jan. 1, 4-6, 13, 22-31; Feb. 1-7, 1993 when stage-discharge relation was affected by ice, Feb. 20-24, 1993 when there was no gage-height record, and Feb. 25-28, 1993 when the stage-discharge relationship was again affected by backwater from ice. Record good, except that for periods of ice effect and float tape being caught which is fair to poor. Station maintained and records developed by L.R. Schultz.

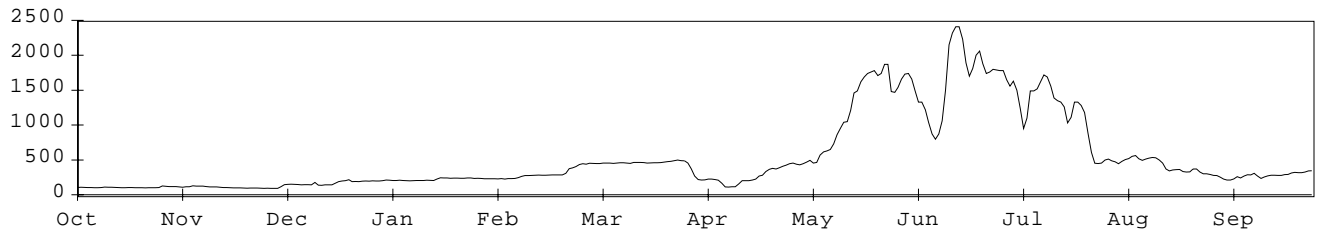
RATING TABLE.--ARKGRNC010 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	110	145	210	230	453	270	440	1660	1780	512	278
2	109	115	150	206	229	451	220	430	1730	1650	486	277
3	107	116	151	206	232	448	213	447	1740	1560	472	252
4	104	129	150	210	225	448	214	469	1660	1630	445	225
5	104	126	148	206	232	455	225	494	1490	1500	481	213
6	103	126	144	203	232	456	227	456	1330	1240	505	213
7	103	125	145	200	234	456	220	465	1330	952	520	228
8	104	118	145	204	245	451	209	571	1220	1100	552	259
9	112	114	143	206	264	455	167	617	1040	1490	564	241
10	110	113	177	206	277	460	114	629	872	1490	517	268
11	108	114	138	206	277	460	111	649	798	1520	494	288
12	107	108	136	210	280	457	115	731	872	1620	512	285
13	105	106	143	208	281	451	115	861	1060	1720	526	308
14	102	104	143	206	284	465	157	958	1500	1690	536	268
15	103	102	143	227	281	465	202	1040	2150	1560	531	234
16	105	100	167	244	281	465	203	1050	2320	1390	499	257
17	105	98	190	243	284	463	203	1210	2410	1350	455	272
18	102	98	198	242	285	456	213	1460	2410	1330	370	281
19	102	97	204	238	285	458	227	1490	2230	1260	342	281
20	101	96	215	239	285	459	269	1620	1890	1030	356	280
21	100	97	190	240	285	461	281	1690	1700	1110	361	280
22	103	97	192	238	310	463	334	1740	1810	1330	363	291
23	103	97	190	238	375	470	366	1760	2000	1330	334	293
24	102	94	195	242	385	475	380	1780	2060	1280	326	312
25	105	93	198	242	405	480	370	1710	1880	1180	330	322
26	127	94	197	235	435	489	389	1740	1740	878	370	317
27	122	93	200	238	445	500	410	1870	1760	609	371	317
28	117	92	199	235	440	491	425	1870	1800	453	327	326
29	119	93	199	231	---	488	445	1480	1790	448	303	342
30	117	115	203	230	---	456	455	1470	1780	455	301	346
31	113	---	213	230	---	372	---	1540	---	499	293	---
TOTAL	3330	3180	5351	6919	8303	14277	7749	34737	50032	38434	13354	8354
MEAN	107	106	173	223	297	461	258	1121	1668	1240	431	278
AC-FT	6610	6310	10610	13720	16470	28320	15370	68900	99240	76230	26490	16570
MAX	127	129	215	244	445	500	455	1870	2410	1780	564	346
MIN	100	92	136	200	225	372	111	430	798	448	293	213

CAL YR 1992 TOTAL 124062 MEAN 339 MAX 1270 MIN 92 AC-FT 246100
WTR YR 1993 TOTAL 194020 MEAN 532 MAX 2410 MIN 92 AC-FT 384800

MAX DISCH 2440 CFS AT 0935 17-JUN-1993 GH 5.42 FT. SHIFT -0.14 FT. MAX GH 5.42 FT. AT 0935
17-JUN-1993



ARKANSAS RIVER BASIN

07086500 CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO

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

DRAINAGE AREA.--67.1 mi².

GAGE.--Water-stage recorder in a 42-inch diameter metal pipe shelter and well. Elevation of gage is 8,885 ft above National Geodetic Vertical Datum of 1929, from topographic map, May 7, 1946, to Apr. 20, 1954, water-stage recorder at site 133 ft upstream at different datum. Apr. 21 1954, to May 28, 1958, water-stage recorder 333 ft upstream at different datum. Datum raised 2.13 ft, Apr. 21, 1954.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 16, 1992-Mar. 22, 1993 when the station was closed for the winter; Nov. 3, 12, 15, 1992 when stage-discharge relationship was affected by ice; Nov. 4-9, 1992 when stilling well was temporarily frozen. Record good except for periods of no gage-height record and ice effect, which is poor. Station maintained and records developed by L.R. Schultz.

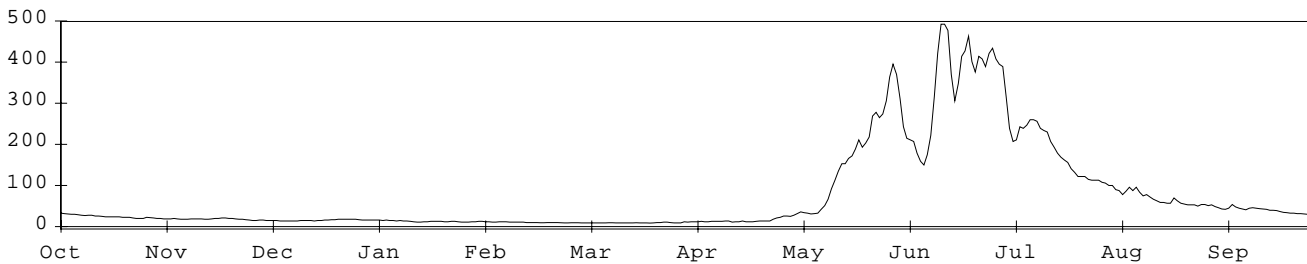
RATING TABLE.--CCACCRC014 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	19	15	16	13	9.6	12	26	395	408	108	51
2	32	19	15	16	12	9.4	11	25	370	395	106	53
3	31	20	15	15	12	9.2	12	28	311	389	100	49
4	30	19	14	16	11	9.0	12	32	243	316	100	46
5	30	18	14	15	11	9.0	12	36	215	239	90	43
6	29	18	14	15	12	9.0	13	34	211	207	88	42
7	28	18	14	14	12	9.2	12	33	207	211	78	45
8	27	19	14	15	12	9.2	12	31	179	243	86	54
9	28	19	14	14	11	9.4	13	32	159	239	96	48
10	28	19	15	14	11	9.5	13	33	150	247	88	45
11	26	19	15	13	11	9.5	13	42	175	260	96	43
12	26	18	15	12	11	9.3	13	51	222	260	84	41
13	25	18	15	11	11	9.1	14	67	316	256	75	45
14	24	19	14	11	10	9.2	14	92	421	239	78	46
15	24	20	15	12	10	9.2	11	113	492	234	72	45
16	24	20	15	12	9.8	9.4	12	135	492	230	67	44
17	24	21	16	13	9.8	9.4	12	153	477	207	63	43
18	24	21	16	13	9.6	9.6	14	153	370	193	59	42
19	23	20	17	13	9.6	9.4	12	166	306	179	59	40
20	23	20	17	13	9.8	9.0	12	172	348	169	57	40
21	23	19	18	12	9.8	9.0	12	189	414	162	57	39
22	21	18	18	12	9.8	8.8	13	211	427	156	70	37
23	20	18	18	13	9.8	9.2	14	193	463	141	63	35
24	20	17	18	13	9.6	9.8	14	203	401	132	57	34
25	20	16	18	12	9.4	10	14	218	376	122	55	33
26	23	15	18	11	9.4	11	14	269	414	122	53	33
27	22	15	17	11	9.6	11	18	278	408	122	53	32
28	21	16	16	11	9.6	9.8	21	265	389	115	53	32
29	20	16	16	12	---	9.2	23	274	421	113	50	31
30	20	15	16	12	---	9.2	26	306	434	113	54	30
31	19	---	16	13	---	9.2	---	364	---	113	54	---
TOTAL	768	549	488	405	295.6	291.8	418	4224	10206	6532	2269	1241
MEAN	24.8	18.3	15.7	13.1	10.6	9.41	13.9	136	340	211	73.2	41.4
AC-FT	1520	1090	968	803	586	579	829	8380	20240	12960	4500	2460
MAX	33	21	18	16	13	11	26	364	492	408	108	54
MIN	19	15	14	11	9.4	8.8	11	25	150	113	50	30

CAL YR 1992 TOTAL 16916.6 MEAN 46.2 MAX 189 MIN 8.0 AC-FT 33550
WTR YR 1993 TOTAL 27687.4 MEAN 75.9 MAX 492 MIN 8.8 AC-FT 54920

MAX DISCH 625 CFS AT 0300 15-JUN-1993 GH 4.69 FT. SHIFT 0.01 FT. MAX GH 4.69 FT. AT 0300 15-JUN-1993



ARKANSAS RIVER BASIN

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. 2 ft. Parshall Flume in concrete dam. Datum of gage 7930 ft. from topographic map.

REMARKS.--Record good, except that of Nov. 3-6, 22, 24-28, 30; Dec. 1-2, 4-8, 18-31, 1992; Jan. 1-25, 1993 when stream was iced over; Dec. 14-17, 1992 when well was frozen; Apr. 15-19, 1993 when vandals disrupted records; May 19-22, 1993 when control was blocked by trash. Station maintained and records developed by L.R. Schultz.

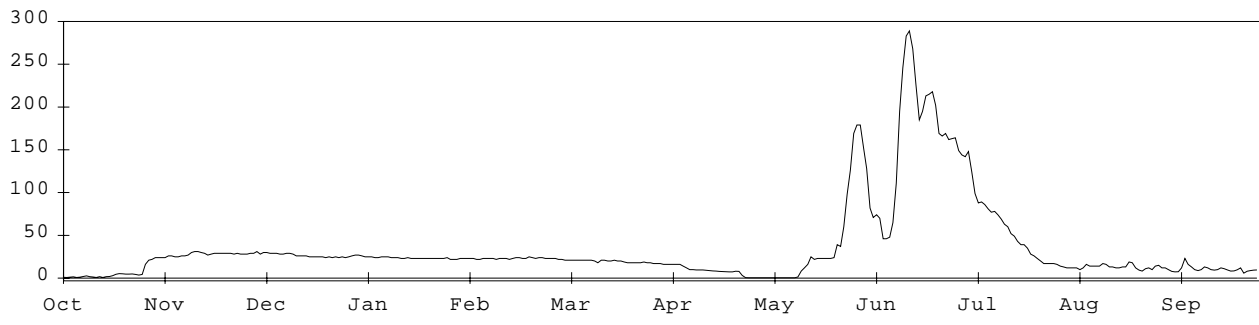
RATING TABLE.--COCRBVCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.89	24	30	25	23	22	17	0.40	179	149	14	12
2	0.72	26	30	25	23	22	16	0.40	153	144	13	12
3	1.1	26	29	25	23	21	16	0.35	128	142	12	10
4	1.4	25	29	24	22	21	16	0.40	82	148	12	7.9
5	0.83	25	29	24	22	21	16	0.45	71	124	12	7.4
6	1.2	26	28	25	23	21	16	0.44	74	99	12	7.5
7	1.9	26	28	25	23	21	16	0.44	70	88	10	12
8	2.7	27	29	25	23	21	14	0.35	46	89	12	23
9	1.6	30	29	24	23	21	12	0.36	46	86	16	16
10	1.3	31	28	24	22	21	10	0.36	48	81	14	13
11	0.72	31	26	24	23	21	9.8	0.36	65	77	14	10
12	1.8	30	26	23	23	20	9.6	0.44	111	78	14	8.8
13	0.66	29	26	23	23	18	9.5	1.3	195	74	14	10
14	1.8	27	26	24	22	21	9.5	8.3	246	69	17	13
15	1.9	28	25	23	23	21	9.2	12	283	63	16	12
16	2.8	29	25	23	24	20	8.9	16	289	60	13	10
17	4.4	29	25	23	24	20	8.5	25	268	52	13	9.3
18	5.3	29	25	23	23	21	8.2	22	226	49	12	10
19	5.2	29	25	23	23	20	7.9	23	185	43	12	12
20	4.7	29	24	23	25	20	7.6	23	195	39	13	11
21	4.7	29	25	23	24	19	7.5	23	213	39	13	9.5
22	4.8	28	24	23	23	18	7.4	23	215	35	19	8.2
23	4.3	29	25	23	24	18	7.4	23	218	28	18	8.5
24	3.6	28	24	23	24	18	8.0	24	202	26	12	9.7
25	4.3	28	25	23	23	18	7.9	39	169	23	9.4	12
26	1.6	28	24	24	23	18	3.3	37	166	20	8.3	5.8
27	21	29	25	22	23	19	0.55	60	169	17	11	8.0
28	22	29	26	22	23	18	0.44	98	162	17	12	8.8
29	24	31	27	22	---	18	0.42	126	163	17	10	9.3
30	24	28	27	23	---	17	0.40	169	164	17	14	9.6
31	24	---	26	23	---	17	---	179	---	16	15	---
TOTAL	195.62	843	820	729	647	612	281.02	936.36	4801	2009	406.7	316.3
MEAN	6.31	28.1	26.5	23.5	23.1	19.7	9.37	30.2	160	64.8	13.1	10.5
AC-FT	388	1670	1630	1450	1280	1210	557	1860	9520	3980	807	627
MAX	24	31	30	25	25	22	17	179	289	149	19	23
MIN	0.66	24	24	22	22	17	0.40	0.35	46	16	8.3	5.8

WTR YR 1993 TOTAL 12597.00 MEAN 34.5 MAX 289 MIN 0.35 AC-FT 24990

MAX DISCH 712 CFS AT 1430 08-APR-1993 GH 4.12 FT. SHIFT 0.00 FT. MAX GH 4.12 FT. AT 1430 08-APR-1993



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 Hwy. 160 and 285 on the frontage rd. parallel to 285, ¼ mi. south of Nathrop, Co., and 1 mi. west of the confluence of Chalk Creek and the Arkansas River.

DRAINAGE AREA.--N\A

GAGE.--Water-stage recorder with Gabion control. Elevation of gage 7660' from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Dec. 14, 17, 19-20, 24-27, 1992; Jan. 4-6, 10, 12-13, 24; Feb. 5, 1993 when stage-discharge relation was affected by ice, and June 30, 1993 when record was missing due to clock stopping. Record good, except for period of missing record and for periods of ice-effect, which are poor. Station maintained and records developed by L.R. Schultz.

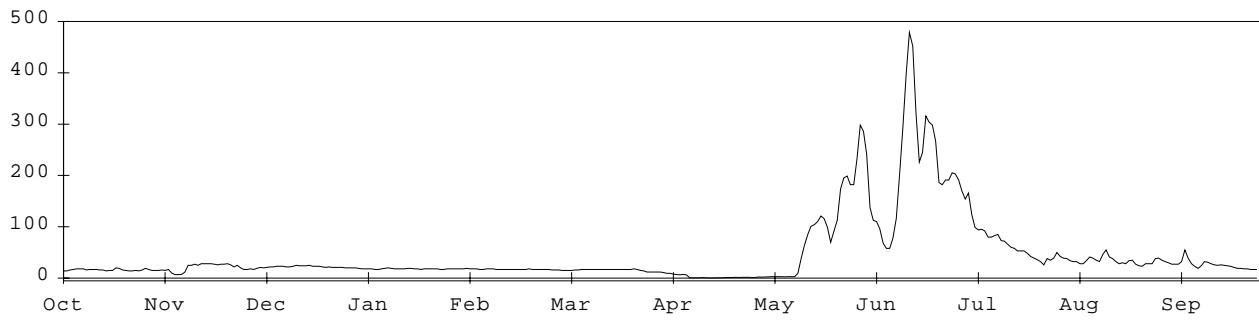
RATING TABLE.--CHCRNACO05 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	15	20	18	19	16	12	2.2	298	191	42	35
2	14	17	21	18	18	15	11	2.0	286	170	39	32
3	16	10	22	18	18	15	9.5	2.2	241	154	38	30
4	17	6.8	22	17	18	15	9.5	2.4	137	166	34	27
5	18	6.8	23	17	17	15	7.7	2.9	113	124	32	27
6	18	7.2	23	18	17	16	6.8	2.9	110	99	32	27
7	18	12	23	19	18	16	6.4	2.9	96	94	28	32
8	16	25	22	20	18	17	7.2	2.9	68	95	28	55
9	17	25	22	19	18	17	6.3	2.6	58	92	34	39
10	17	27	23	18	17	17	0.60	2.9	58	80	41	28
11	17	25	25	18	17	17	0.60	2.9	78	80	39	23
12	16	28	24	18	17	17	0.60	2.9	116	83	35	19
13	16	28	24	18	17	17	0.76	9.5	203	85	32	24
14	14	28	24	19	17	17	0.92	39	292	73	46	32
15	15	28	25	19	17	17	0.60	64	398	72	55	31
16	15	27	23	18	17	17	0.46	85	479	66	41	28
17	20	26	23	18	17	17	0.46	101	452	60	38	26
18	19	27	23	17	17	17	0.60	104	323	58	32	25
19	16	27	22	18	17	17	0.76	110	226	53	28	26
20	15	28	21	18	18	17	0.76	121	245	53	30	25
21	14	26	22	18	17	17	1.1	116	316	53	28	24
22	14	22	21	18	17	17	1.1	99	304	48	34	23
23	15	25	21	18	17	17	1.2	70	298	42	35	21
24	14	20	21	17	17	18	1.6	92	267	39	27	19
25	16	17	21	17	17	17	1.4	113	186	36	24	19
26	19	17	20	18	17	15	1.6	174	182	32	23	18
27	17	18	20	18	16	14	1.6	195	191	26	28	18
28	15	17	20	18	16	12	1.6	199	191	38	28	17
29	15	19	20	18	---	12	1.4	182	205	35	28	17
30	15	21	19	18	---	12	1.4	182	203	39	38	17
31	16	---	18	18	---	12	---	231	---	50	39	---
TOTAL	498	625.8	678	559	483	492	97.52	2318.2	6620	2386	1056	784
MEAN	16.1	20.9	21.9	18.0	17.3	15.9	3.25	74.8	221	77.0	34.1	26.1
AC-FT	988	1240	1340	1110	958	976	193	4600	13130	4730	2090	1560
MAX	20	28	25	20	19	18	12	231	479	191	55	55
MIN	14	6.8	18	17	16	12	0.46	2.0	58	26	23	17

CAL YR 1992 TOTAL 12970.16 MEAN 35.4 MAX 221 MIN 0.76 AC-FT 25730
WTR YR 1993 TOTAL 16597.52 MEAN 45.5 MAX 479 MIN 0.46 AC-FT 32920

MAX DISCH 704 CFS AT 0230 16-JUN-1993 GH 4.85 FT. SHIFT -0.41 FT. MAX GH 4.85 FT. AT 0230 16-JUN-1993



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO

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

DRAINAGE AREA.--1,218 mi².

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

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

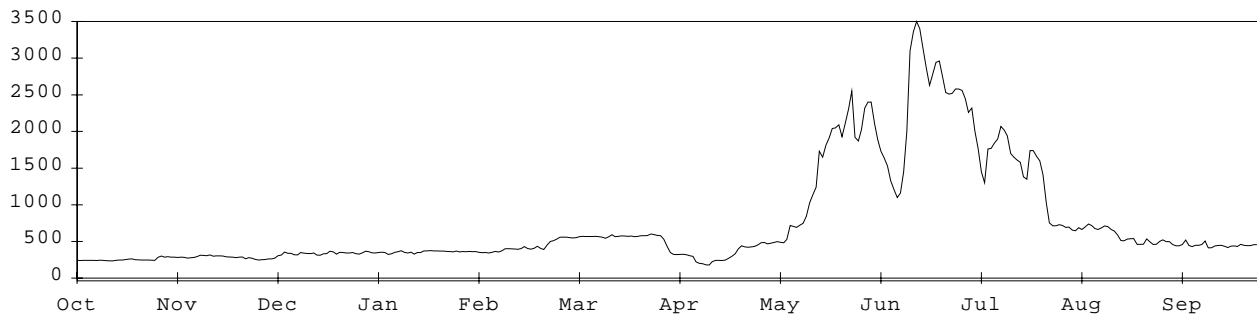
RATING TABLE.--ARKSALCO24 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	242	281	274	344	362	558	437	487	2320	2560	717	522
2	240	285	306	348	352	553	348	467	2400	2450	692	497
3	241	284	313	353	347	547	322	476	2400	2260	697	499
4	241	274	356	348	349	552	321	486	2110	2320	655	458
5	243	276	338	323	344	564	323	498	1890	2010	647	440
6	243	283	339	331	352	570	326	490	1730	1760	687	442
7	240	293	320	352	364	568	319	482	1640	1450	664	459
8	244	312	316	359	356	567	305	528	1530	1300	699	520
9	242	310	349	373	371	567	296	717	1330	1760	738	445
10	239	306	340	351	400	570	221	706	1210	1770	717	429
11	237	316	336	343	402	564	200	692	1100	1840	676	446
12	235	300	335	355	400	559	196	723	1160	1900	663	446
13	241	304	343	327	398	545	181	750	1450	2070	685	458
14	246	304	315	349	393	563	178	845	2000	2020	712	507
15	247	303	312	348	403	590	226	1030	3100	1940	704	413
16	253	290	331	372	429	565	243	1140	3360	1700	663	416
17	260	287	334	371	403	570	241	1240	3500	1650	643	438
18	262	286	367	374	395	577	240	1730	3400	1610	589	445
19	250	280	357	372	407	574	248	1650	3120	1580	513	447
20	249	286	328	371	434	571	272	1810	2860	1380	508	434
21	247	287	351	369	405	575	298	1910	2630	1350	534	417
22	247	264	350	368	392	565	332	2040	2790	1740	537	437
23	246	279	343	365	453	571	399	2050	2940	1740	538	439
24	244	272	343	362	500	578	442	2090	2960	1660	460	432
25	242	257	348	358	511	580	426	1930	2750	1600	460	461
26	284	248	335	368	534	581	422	2110	2530	1410	463	448
27	302	250	328	357	558	602	425	2310	2510	1020	535	443
28	286	253	345	363	560	593	433	2550	2520	753	493	443
29	293	261	366	359	---	583	453	1920	2580	714	458	455
30	286	261	360	364	---	580	483	1870	2580	713	464	457
31	286	---	345	359	---	530	---	2020	---	729	501	---
TOTAL	7858	8492	10423	11056	11574	17632	9556	39747	70400	50759	18712	13593
MEAN	253	283	336	357	413	569	319	1282	2347	1637	604	453
AC-FT	15590	16840	20670	21930	22960	34970	18950	78840	139600	100700	37120	26960
MAX	302	316	367	374	560	602	483	2550	3500	2560	738	522
MIN	235	248	274	323	344	530	178	467	1100	713	458	413

CAL YR 1992 TOTAL 179202 MEAN 490 MAX 1490 MIN 178 AC-FT 355400
WTR YR 1993 TOTAL 269802 MEAN 739 MAX 3500 MIN 178 AC-FT 535200

MAX DISCH 3620 CFS AT 0815 17-JUN-1993 GH 4.11 FT. SHIFT -0.55 FT. MAX GH 4.11 FT. AT 0815
17-JUN-1993



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 mi².

GAGE.--Water-stage recorder (manometer activated) with satellite telemetry. 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. 20, 1992; Jan. 10; Feb. 16-17, 1993 when manometer system malfunctioned. Record good, except that for periods of manometer malfunction, which is poor. Station maintained and records developed by L.R. Schultz.

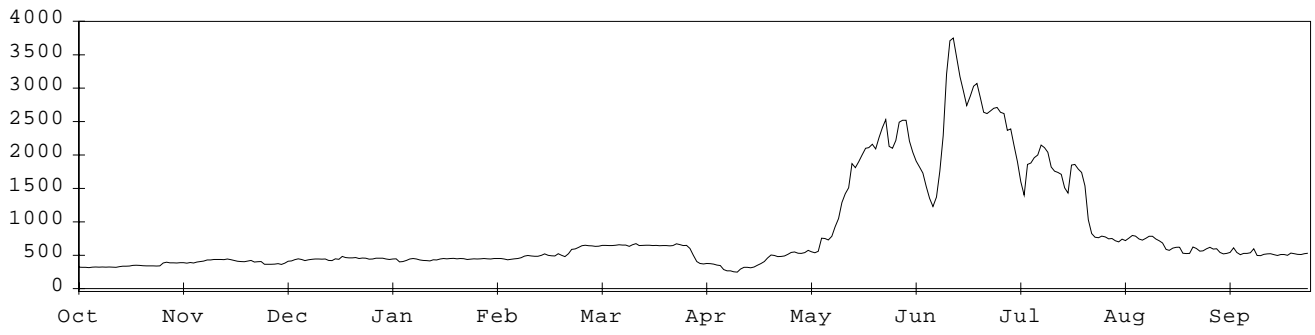
RATING TABLE.--ARKWELCO06 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	321	388	381	436	452	644	502	549	2490	2640	775	618
2	320	382	411	443	450	641	405	532	2520	2620	746	592
3	318	391	416	447	450	632	378	528	2520	2370	750	598
4	315	384	435	401	444	637	370	540	2210	2390	718	542
5	321	398	447	405	432	648	378	573	2040	2140	701	521
6	325	405	437	424	440	648	375	551	1910	1900	741	528
7	323	412	419	443	446	647	369	538	1820	1600	721	543
8	325	430	432	450	452	646	354	558	1730	1400	755	613
9	323	431	440	443	463	649	347	756	1530	1860	797	543
10	324	436	445	430	488	658	288	751	1350	1880	787	509
11	323	436	445	424	496	653	267	729	1230	1960	743	528
12	320	436	441	420	491	653	266	784	1370	2000	728	527
13	328	434	443	417	486	634	253	922	1760	2150	753	539
14	335	443	422	432	485	656	248	1050	2290	2110	784	599
15	336	433	420	430	500	675	293	1290	3210	2040	784	497
16	338	422	448	445	520	646	318	1420	3710	1820	745	495
17	349	411	440	452	500	648	318	1510	3750	1760	716	513
18	351	406	482	448	493	651	313	1870	3460	1740	684	522
19	348	404	465	450	491	651	326	1810	3170	1710	587	523
20	344	414	462	453	525	647	350	1900	2960	1510	574	509
21	342	423	460	448	500	648	374	2000	2740	1430	607	496
22	341	398	465	451	480	643	406	2100	2880	1850	618	510
23	341	404	451	449	525	645	459	2110	3030	1860	621	512
24	339	406	458	436	587	645	503	2160	3070	1790	530	500
25	342	366	456	441	596	641	496	2090	2860	1740	526	533
26	385	365	441	447	617	645	480	2260	2640	1540	527	523
27	397	366	445	444	644	672	482	2410	2620	1030	624	514
28	387	368	457	448	650	660	490	2530	2660	824	601	510
29	387	374	456	452	---	646	514	2130	2700	770	561	525
30	384	364	456	448	---	648	542	2100	2710	762	567	530
31	388	---	444	443	---	602	---	2220	---	785	597	---
TOTAL	10620	12130	13720	13600	14103	20059	11464	43271	74940	53981	20968	16012
MEAN	343	404	443	439	504	647	382	1396	2498	1741	676	534
AC-FT	21060	24060	27210	26980	27970	39790	22740	85830	148600	107100	41590	31760
MAX	397	443	482	453	650	675	542	2530	3750	2640	797	618
MIN	315	364	381	401	432	602	248	528	1230	762	526	495

CAL YR 1992 TOTAL	213027	MEAN	582	MAX	1590	MIN	247	AC-FT	422500
WTR YR 1993 TOTAL	304868	MEAN	835	MAX	3750	MIN	248	AC-FT	604700

MAX DISCH 3940 CFS AT 0730 17-JUN-1993 GH 7.18 FT. SHIFT 0.00 FT. MAX GH 7.18 FT. AT 0730 17-JUN-1993



ARKANSAS RIVER BASIN

07095000 GRAPE CREEK NEAR WESTCLIFFE, CO

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

DRAINAGE AREA.--320 mi².

GAGE.--Water-stage recorder with satellite telemetry in 48" corrugated pipe shelter. 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. 3, 5-8, 12-15, 22-27, 1992; Mar. 9-20, 1993 when stage-discharge relation was affected by ice. Nov. 28, 1992-Mar. 8, 1993 when record was missing because floats were frozen in ice. Record good except for periods of no gage-height or ice affected record, which is poor. Station maintained and records developed by Div. II staff.

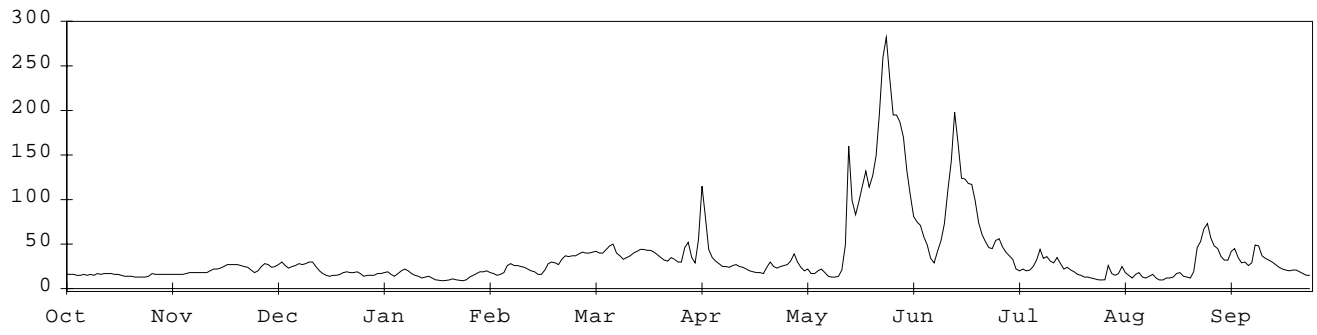
RATING TABLE.--GRAWESCO07 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	16	25	17	20	41	52	31	195	56	10	57
2	16	16	27	18	18	40	35	39	187	47	26	48
3	16	16	30	19	17	40	29	30	170	41	17	45
4	15	16	26	16	15	41	55	24	133	37	15	36
5	15	17	23	14	16	42	115	20	106	33	17	32
6	16	18	25	17	18	40	81	22	81	22	25	32
7	15	18	26	20	26	40	44	17	75	20	18	42
8	16	18	28	22	28	44	35	17	71	22	15	45
9	15	18	27	20	26	48	31	20	58	20	12	35
10	17	18	28	17	26	50	28	22	49	21	16	29
11	16	18	30	15	25	40	25	18	34	25	18	30
12	17	20	30	14	24	37	25	14	29	32	13	26
13	17	22	25	12	22	33	24	13	42	44	12	29
14	17	22	20	13	20	35	26	13	54	34	14	49
15	16	23	17	14	19	37	27	14	73	36	16	48
16	16	25	15	12	16	40	25	21	111	31	12	37
17	15	27	14	10	16	42	24	49	143	29	9.8	34
18	14	27	15	9.4	21	44	22	160	198	35	9.8	32
19	14	27	15	9.0	28	44	20	99	162	28	12	30
20	14	27	16	9.2	30	43	19	83	124	22	12	27
21	13	26	18	9.8	29	43	18	98	123	24	13	24
22	13	25	19	11	27	41	18	115	118	21	17	22
23	13	24	18	10	33	38	17	132	117	19	18	21
24	13	21	18	9.4	37	35	24	114	99	16	14	20
25	14	18	19	9.0	36	32	30	127	74	15	13	21
26	17	20	17	10	37	31	25	149	61	13	12	21
27	16	25	14	13	37	35	23	197	53	13	19	19
28	16	28	15	15	39	33	25	260	46	12	46	17
29	16	27	15	17	---	30	26	282	45	11	53	15
30	16	24	15	19	---	30	27	237	54	10	67	15
31	16	---	17	19	---	46	---	195	---	9.9	73	---
TOTAL	476	647	647	439.8	706	1215	975	2632	2885	798.9	644.6	938
MEAN	15.4	21.6	20.9	14.2	25.2	39.2	32.5	84.9	96.2	25.8	20.8	31.3
AC-FT	944	1280	1280	872	1400	2410	1930	5220	5720	1580	1280	1860
MAX	17	28	30	22	39	50	115	282	198	56	73	57
MIN	13	16	14	9.0	15	30	17	13	29	9.9	9.8	15

CAL YR 1992 TOTAL 16377 MEAN 44.7 MAX 462 MIN 13 AC-FT 32480
WTR YR 1993 TOTAL 13004.3 MEAN 35.6 MAX 282 MIN 9.0 AC-FT 25790

MAX DISCH 299 CFS AT 1100 29-MAY-1993 GH 2.36 FT. SHIFT -0.33 FT. MAX GH 2.36 FT. AT 1100 29-MAY-1993



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 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Nov. 21, 23-30, 1992 when construction on and above control dam 200 feet downstream made stage-discharge relation invalid; Jan. 7-26, 1993 when floats were frozen; Feb. 15-17, 1993 when stage-discharge relation was affected by ice. Record good, except those during construction and ice-affected periods, which is poor. Station maintained and records developed by Frank P. Kipple and Anthony D. Gutierrez.

RATING TABLE.--ARKCANCO21 USED FROM 01-OCT-1992 TO 26-NOV-1992

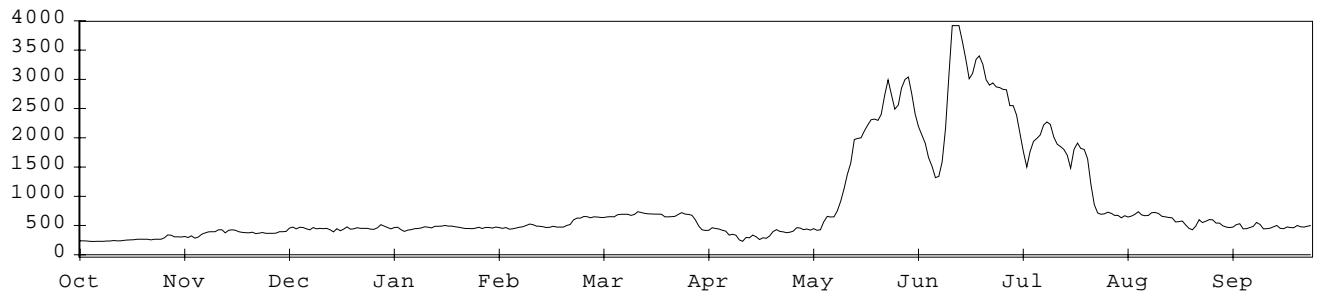
RATING TABLE.--ARKCANCO22 USED FROM 27-NOV-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	312	399	442	474	632	599	462	2850	2830	729	596
2	237	296	458	464	464	649	491	458	3000	2820	708	543
3	236	323	474	469	452	644	426	430	3040	2550	674	543
4	230	285	442	426	464	638	416	440	2750	2550	674	496
5	227	301	469	400	437	638	418	421	2410	2390	632	474
6	230	349	464	421	442	650	461	446	2190	2080	668	464
7	230	373	442	430	458	652	450	419	2050	1770	645	474
8	230	392	426	445	469	650	441	427	1910	1500	662	514
9	234	393	464	450	480	685	420	564	1660	1760	693	531
10	234	393	442	460	502	691	407	657	1510	1940	736	442
11	242	425	452	480	525	694	337	644	1320	1990	680	447
12	237	425	447	470	514	694	350	648	1340	2050	668	464
13	240	375	452	460	491	674	335	752	1590	2220	674	487
14	245	418	426	485	488	688	255	918	2160	2270	719	554
15	250	425	390	485	480	735	229	1130	3060	2230	723	517
16	256	418	447	490	465	722	294	1380	3920	2010	707	442
17	257	393	411	500	470	709	289	1570	3920	1890	656	447
18	265	383	437	490	486	701	336	1970	3920	1850	650	453
19	265	378	476	490	474	699	307	1990	3640	1800	638	478
20	265	374	437	480	474	695	259	2000	3340	1700	634	502
21	265	385	442	470	474	695	291	2120	3010	1480	561	452
22	255	363	461	460	502	692	282	2220	3100	1800	565	447
23	265	370	452	450	519	649	324	2310	3340	1910	578	476
24	265	380	452	450	596	649	397	2320	3400	1820	508	467
25	265	365	452	445	627	651	430	2300	3260	1800	452	461
26	290	365	438	455	627	656	400	2400	2990	1640	428	500
27	340	365	435	469	654	693	390	2730	2900	1200	491	480
28	334	370	462	450	652	719	379	2990	2940	855	599	474
29	306	395	514	468	---	695	387	2740	2870	715	549	486
30	306	395	491	464	---	689	404	2490	2860	694	574	502
31	303	---	464	458	---	677	---	2560	---	701	602	---
TOTAL	8044	11184	13918	14276	14160	21005	11204	44906	82250	56815	19477	14613
MEAN	259	373	449	461	506	678	373	1449	2742	1833	628	487
AC-FT	15960	22180	27610	28320	28090	41660	22220	89070	163100	112700	38630	28980
MAX	340	425	514	500	654	735	599	2990	3920	2830	736	596
MIN	227	285	390	400	437	632	229	419	1320	694	428	442

CAL YR 1992 TOTAL 213484 MEAN 583 MAX 1800 MIN 208 AC-FT 423400
WTR YR 1993 TOTAL 311852 MEAN 854 MAX 3920 MIN 227 AC-FT 618600

MAX DISCH 4040 CFS AT 1400 17-JUN-1993 GH 9.34 FT. SHIFT 0.04 FT. MAX GH 9.34 FT. AT 1400 17-JUN-1993



ARKANSAS RIVER BASIN

07097000 ARKANSAS RIVER AT PORTLAND, CO

LOCATION.--Lat 38°23'18", long 105°00'56", in NE¼NE¼ sec.20, T.19 S., R.68 W., Fremont County, Hydrologic Unit 11020002, on right bank at bridge on State Highway 120 at Portland and 1 mi downstream from Hardscrabble Creek.

DRAINAGE AREA.--4,024 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,021.59 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1974, at site 400 ft downstream at datum 0.03 ft, lower.

REMARKS.--Record is complete and reliable for the entire water year, except Dec. 15-16, 1992 which was affected by ice. DCP gage-height is the primary source of data for station. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, diversions upstream from station for irrigation. Record is good. Station maintained and records developed by Frank P. Kipple and Anthony D. Gutierrez.

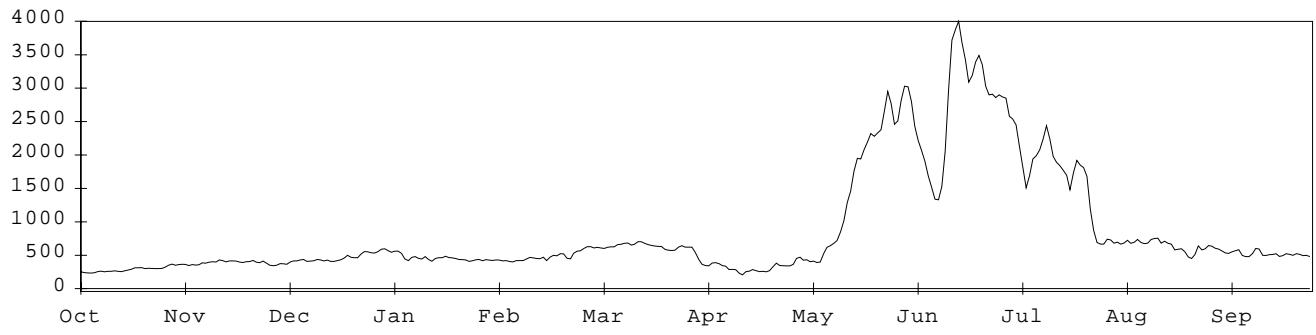
RATING TABLE.--ARKPORCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	252	364	365	546	429	628	541	454	2820	2870	741	636
2	241	347	398	561	428	609	437	470	3030	2850	729	604
3	237	360	416	563	417	620	365	428	3020	2580	681	592
4	234	354	416	529	421	609	346	432	2800	2540	696	564
5	238	357	429	445	406	602	342	404	2430	2450	666	534
6	255	387	436	421	401	620	384	414	2220	2130	684	529
7	262	383	410	469	420	626	388	391	2070	1820	725	551
8	252	395	412	481	420	626	375	400	1910	1510	679	569
9	261	404	418	455	419	659	347	523	1690	1690	695	584
10	259	400	436	445	445	665	336	620	1520	1940	737	497
11	266	429	429	479	469	678	288	642	1340	1990	692	481
12	260	419	416	436	460	684	289	678	1330	2080	673	479
13	255	401	427	411	451	653	285	720	1530	2240	681	524
14	267	416	408	450	449	665	230	852	2060	2440	737	601
15	280	417	410	464	470	703	207	1020	2970	2240	750	593
16	291	413	420	464	421	703	256	1290	3720	1980	756	501
17	311	399	432	485	472	678	264	1460	3870	1890	682	498
18	313	392	459	466	499	659	287	1760	4000	1840	710	509
19	316	404	501	460	493	648	271	1950	3680	1770	679	512
20	301	406	470	450	523	638	256	1940	3430	1700	668	523
21	306	424	464	436	521	632	259	2080	3090	1480	581	482
22	303	397	464	433	456	631	252	2200	3190	1740	590	494
23	302	389	518	431	448	589	269	2320	3390	1920	599	523
24	300	414	554	410	531	575	330	2280	3490	1850	552	513
25	303	382	551	418	563	572	382	2330	3350	1810	476	499
26	322	350	539	432	566	576	346	2380	3030	1680	451	525
27	350	344	533	436	603	622	343	2660	2900	1190	512	515
28	368	352	554	418	628	644	341	2950	2910	869	641	495
29	352	376	591	433	---	622	341	2770	2860	690	581	501
30	360	373	599	426	---	623	362	2460	2900	666	596	479
31	366	---	570	424	---	621	---	2510	---	666	647	---
TOTAL	8983	11648	14445	14177	13229	19680	9719	43788	82550	57111	20287	15907
MEAN	290	388	466	457	472	635	324	1413	2752	1842	654	530
AC-FT	17820	23100	28650	28120	26240	39040	19280	86850	163700	113300	40240	31550
MAX	368	429	599	563	628	703	541	2950	4000	2870	756	636
MIN	234	344	365	410	401	572	207	391	1330	666	451	479

CAL YR 1992 TOTAL 238953 MEAN 653 MAX 1940 MIN 220 AC-FT 474000
WTR YR 1993 TOTAL 311524 MEAN 853 MAX 4000 MIN 207 AC-FT 617900

MAX DISCH 5380 CFS AT 1900 14-JUL-1993 GH 7.20 FT. SHIFT 0.06 FT. MAX GH 7.20 FT. AT 1900
14-JUL-1993



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 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,740 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Mar. 23, 1967, at site 730 ft upstream at datum 1.23 ft. higher. May 24, 1974, to Feb. 24, 1975, at site 2,000 ft downstream, at different datum.

REMARKS.--Record is complete and reliable for entire water year, except Nov. 21-Dec. 1, 1992 when floats were on mud. Record is good, except for that period when floats were on mud, which is poor. Station maintained and records developed by Frank P. Kipple and Anthony D. Gutierrez.

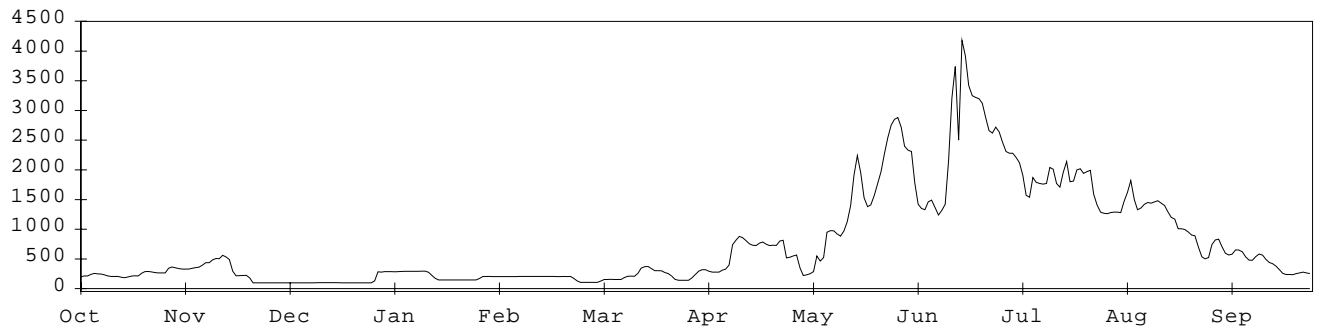
RATING TABLE.--ARKPUECO15 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	201	332	98	288	203	106	239	566	2720	2470	1260	742
2	213	331	98	285	203	106	296	347	2400	2310	1280	822
3	213	344	98	289	204	106	318	222	2330	2280	1290	832
4	240	355	98	290	204	128	319	233	2310	2280	1290	708
5	256	364	98	291	204	156	295	253	1780	2210	1280	597
6	250	396	98	291	204	156	279	286	1420	2120	1470	568
7	247	438	98	292	204	158	281	550	1350	1910	1620	580
8	233	437	98	292	205	156	281	466	1330	1570	1820	654
9	213	483	100	293	205	156	312	523	1460	1540	1500	651
10	205	509	101	294	205	156	331	950	1490	1870	1330	621
11	205	506	101	297	205	188	399	977	1370	1790	1360	534
12	206	562	101	275	205	210	738	973	1240	1770	1420	482
13	192	536	101	222	205	211	814	922	1320	1760	1450	478
14	184	492	101	174	205	210	881	884	1420	1770	1440	540
15	198	296	101	146	205	261	861	972	2150	2040	1460	582
16	212	217	101	146	205	345	810	1130	3210	2010	1480	565
17	216	219	100	146	205	370	754	1400	3740	1770	1440	495
18	215	223	100	146	205	373	730	1910	2500	1710	1400	440
19	260	225	100	146	204	338	728	2240	4180	1960	1290	421
20	288	182	100	146	204	302	767	1950	3920	2140	1200	377
21	290	98	100	146	205	303	786	1530	3420	1800	1170	319
22	282	98	99	147	204	299	748	1380	3250	1810	1010	257
23	272	98	100	148	205	273	728	1410	3220	2000	1010	238
24	265	98	98	148	173	254	730	1570	3200	2020	996	238
25	266	98	98	147	130	212	729	1770	3120	1940	954	237
26	266	98	98	147	106	157	803	1970	2880	1970	904	254
27	344	98	131	169	107	143	815	2270	2660	1990	891	266
28	367	98	284	204	107	142	518	2540	2620	1590	704	281
29	352	98	278	205	---	142	530	2750	2720	1410	538	266
30	339	98	286	205	---	142	552	2850	2640	1290	503	255
31	332	---	287	204	---	182	---	2880	---	1270	523	---
TOTAL	7822	8427	3850	6619	5326	6441	17372	40674	73370	58370	37283	14300
MEAN	252	281	124	214	190	208	579	1312	2446	1883	1203	477
AC-FT	15510	16710	7640	13130	10560	12780	34460	80680	145500	115800	73950	28360
MAX	367	562	287	297	205	373	881	2880	4180	2470	1820	832
MIN	184	98	98	146	106	106	239	222	1240	1270	503	237

CAL YR 1992 TOTAL 211851 MEAN 579 MAX 1750 MIN 98 AC-FT 420200
WTR YR 1993 TOTAL 279854 MEAN 767 MAX 4180 MIN 98 AC-FT 555100

MAX DISCH 4570 CFS AT 0900 19-JUN-1993 GH 6.44 FT. SHIFT -0.02 FT. MAX GH 6.44 FT. AT 0900
19-JUN-1993



ARKANSAS RIVER BASIN

07117000 ARKANSAS RIVER NEAR NEPESTA, CO

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

DRAINAGE AREA.--9,345 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Dec. 4-5, 1992; Jan. 9-24; Feb. 17-20, 1993 when stage-discharge relation was affected by ice. Base record for gage heights is DCP data with graphic chart as back-up. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals, diversions for irrigation. Flow partly regulated by Pueblo Reservoir (station 07099350) since Jan. 9, 1974. Record fair, except for periods of ice effect, which is poor. Station maintained and records developed by Frank P. Kipple and Anthony D. Gutierrez.

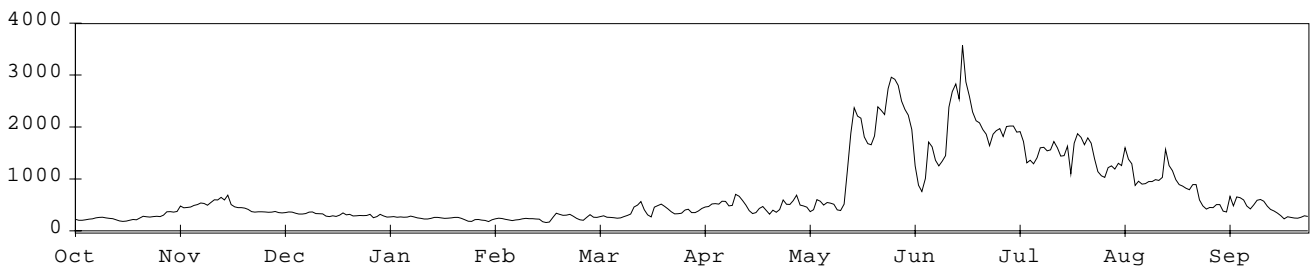
RATING TABLE.--ARKNEPC010 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	479	346	265	212	259	354	583	2800	1970	1030	452
2	204	445	353	270	232	314	352	690	2500	1820	1220	447
3	204	450	365	274	244	263	383	497	2340	2010	1250	506
4	212	461	360	264	238	259	432	484	2230	2020	1190	507
5	226	492	340	270	222	277	462	457	1950	2020	1300	380
6	231	506	326	263	210	290	470	370	1250	1900	1260	365
7	251	536	326	265	199	264	519	408	877	1910	1600	663
8	258	529	336	285	210	259	526	602	758	1720	1380	481
9	263	494	361	270	216	255	516	571	1010	1310	1290	653
10	250	546	364	250	231	245	570	495	1710	1360	875	640
11	241	600	335	240	240	249	567	545	1620	1290	956	595
12	235	595	331	230	235	275	483	535	1360	1410	901	479
13	212	644	327	230	235	296	492	512	1250	1600	908	422
14	190	596	286	240	230	325	702	404	1340	1610	950	502
15	182	687	275	260	228	461	668	391	1450	1540	950	589
16	189	507	291	260	178	496	586	515	2380	1560	986	604
17	206	463	278	250	160	563	496	1150	2680	1720	973	571
18	220	449	305	240	170	408	389	1880	2830	1600	1030	475
19	214	448	347	245	260	307	334	2370	2540	1440	1570	413
20	247	440	309	250	340	268	351	2210	3570	1450	1260	382
21	282	413	316	260	318	456	432	2170	2870	1630	1160	344
22	272	371	288	260	299	487	468	1810	2590	1100	987	293
23	265	362	289	240	303	514	397	1680	2290	1690	890	233
24	275	367	297	215	316	473	323	1660	2120	1870	865	272
25	280	367	295	185	286	424	397	1830	2080	1800	820	259
26	277	364	296	181	241	366	357	2390	1950	1660	792	248
27	302	359	317	217	213	328	411	2320	1860	1790	893	245
28	368	360	255	220	205	330	596	2240	1640	1690	891	262
29	370	376	275	208	---	338	513	2740	1860	1390	597	289
30	360	353	318	200	---	400	508	2960	1930	1140	483	278
31	375	---	288	179	---	418	---	2920	---	1060	421	---
TOTAL	7884	14059	9795	7486	6671	10867	14054	40389	59635	50080	31678	12849
MEAN	254	469	316	241	238	351	468	1303	1988	1615	1022	428
AC-FT	15640	27890	19430	14850	13230	21550	27880	80110	118300	99330	62830	25490
MAX	375	687	365	285	340	563	702	2960	3570	2020	1600	663
MIN	182	353	255	179	160	245	323	370	758	1060	421	233

CAL YR 1992 TOTAL 220449 MEAN 602 MAX 1960 MIN 182 AC-FT 437300
WTR YR 1993 TOTAL 265447 MEAN 727 MAX 3570 MIN 160 AC-FT 526500

MAX DISCH 3770 CFS AT 1000 20-JUN-1993 GH 4.40 FT. SHIFT -0.11 FT. MAX GH 4.40 FT. AT 1000 20-JUN-1993



ARKANSAS RIVER BASIN

07119700 ARKANSAS RIVER AT 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 mi².

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

REMARKS.--All shaft encoder and recorder records were adjusted to outside staff gage readings. Outside staff gage readings are variable because of surging and stream flow velocity. Therefore, adjustments to outside gage have been smoothed in some instances. Record is complete and reliable except for the following periods: Jan. 4-7, 29-Feb. 2,; Mar. 7-9; May 3-4, 24, 26-31; Jul. 10-17, 1993 when orifice was covered with sand. Record is rated fair, because of the large shift changes, datum corrections, and orifice sanded over. The record for period of ice effect is rated poor. Station maintained and records developed by Frank P. Kipple, and Anthony Gutierrez.

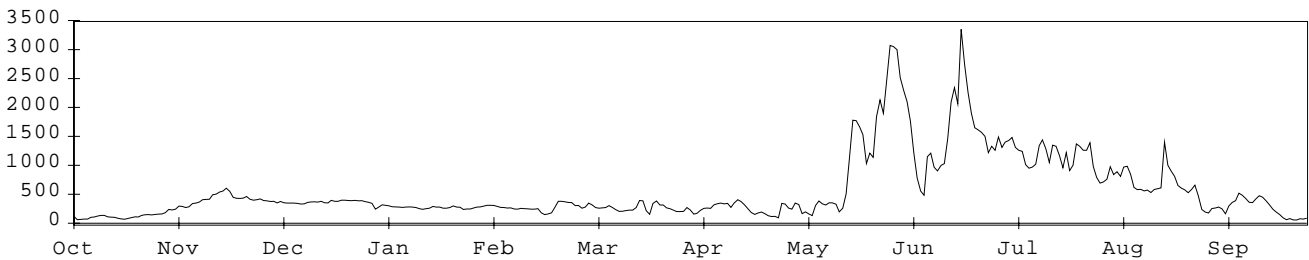
RATING TABLE.--ARKCATCO05 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	294	374	310	310	279	229	244	3000	1490	712	177
2	61	289	355	301	306	346	158	348	2520	1310	761	253
3	64	270	347	284	290	317	172	322	2290	1400	974	263
4	72	284	348	283	275	272	224	164	2100	1430	840	279
5	72	338	348	280	271	258	257	196	1760	1480	889	248
6	102	349	344	275	263	266	261	159	1220	1310	808	162
7	108	364	330	280	265	272	256	133	780	1260	969	297
8	123	408	334	281	246	302	319	306	556	1240	983	360
9	136	411	358	280	241	269	337	383	482	1010	847	389
10	135	415	368	270	257	233	346	333	1150	952	618	521
11	111	490	369	250	251	204	335	316	1210	969	579	484
12	104	503	365	240	249	208	341	355	967	1020	585	425
13	102	539	378	250	242	217	274	352	903	1340	558	362
14	85	554	353	260	242	226	350	329	997	1440	573	357
15	73	603	352	290	250	225	407	196	1030	1280	530	421
16	68	550	394	280	180	269	372	258	1460	1050	584	475
17	81	446	380	280	150	393	318	505	2090	1350	596	448
18	97	430	379	260	160	388	252	1130	2340	1330	611	389
19	111	427	398	260	180	215	184	1780	2060	1170	1400	318
20	108	433	398	270	270	155	151	1770	3350	959	1000	241
21	135	461	393	299	380	341	176	1660	2730	1220	898	193
22	145	414	389	280	380	383	192	1530	2260	908	808	152
23	148	397	396	276	370	316	166	1030	1900	1000	652	96
24	144	406	387	238	360	313	129	1210	1650	1370	606	62
25	152	421	389	246	356	267	116	1140	1610	1330	578	79
26	157	392	372	247	302	251	117	1840	1570	1260	529	58
27	159	386	363	261	305	227	94	2130	1500	1260	584	55
28	183	376	342	277	260	200	343	1900	1220	1390	656	78
29	239	379	241	283	---	203	332	2480	1330	977	475	71
30	230	350	280	294	---	204	262	3070	1260	789	237	86
31	243	---	318	310	---	269	---	3050	---	692	194	---
TOTAL	3867	12379	11142	8495	7611	8288	7470	30619	49295	36986	21634	7799
MEAN	125	413	359	274	272	267	249	988	1643	1193	698	260
AC-FT	7670	24550	22100	16850	15100	16440	14820	60730	97780	73360	42910	15470
MAX	243	603	398	310	380	393	407	3070	3350	1490	1400	521
MIN	61	270	241	238	150	155	94	133	482	692	194	55

CAL YR 1992 TOTAL 176864 MEAN 483 MAX 1800 MIN 43 AC-FT 350800
WTR YR 1993 TOTAL 205585 MEAN 563 MAX 3350 MIN 55 AC-FT 407800

MAX DISCH 3710 CFS AT 1230 20-JUN-1993 GH 5.97 FT. SHIFT -0.60 FT. MAX GH 5.97 FT. AT 1230 20-JUN-1993



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO

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

DRAINAGE AREA.--N/A

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

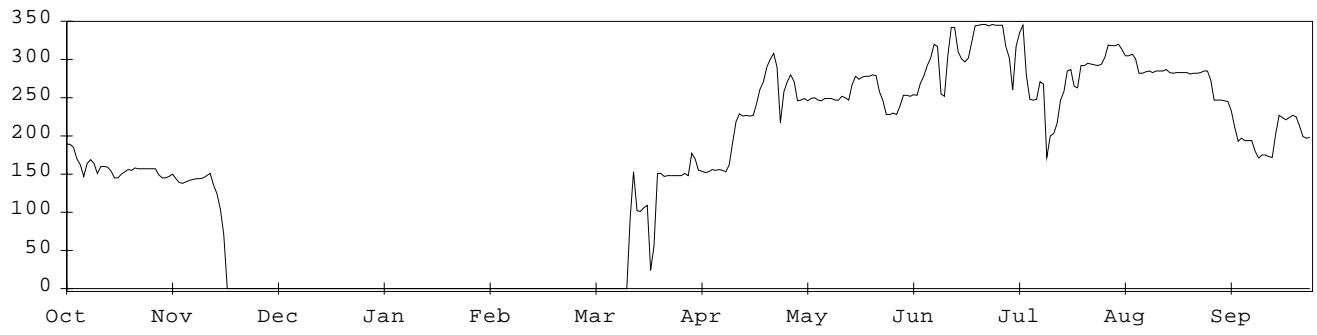
REMARKS.--Record is complete and reliable the entire year. DCP record was used for record computation. This record was compared to that of strip-chart record of water commissioner at the same site. Adjustments were made as needed. Record good. Station maintained and records developed by Don Taylor and Frank P. Kipple.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	150	0.0	0.0	0.0	0.0	148	280	228	345	303	273
2	189	144	0.0	0.0	0.0	0.0	177	271	239	345	319	247
3	185	139	0.0	0.0	0.0	0.0	170	246	253	317	318	247
4	170	138	0.0	0.0	0.0	0.0	155	247	253	302	318	247
5	162	140	0.0	0.0	0.0	0.0	154	249	252	260	320	246
6	147	142	0.0	0.0	0.0	0.0	152	246	254	317	313	245
7	164	143	0.0	0.0	0.0	0.0	153	249	253	335	305	233
8	169	144	0.0	0.0	0.0	0.0	156	250	269	345	305	212
9	164	144	0.0	0.0	0.0	0.0	155	247	279	280	307	193
10	151	145	0.0	0.0	0.0	0.0	156	246	292	248	301	197
11	160	148	0.0	0.0	0.0	0.0	155	249	302	247	282	194
12	160	151	0.0	0.0	0.0	0.0	153	249	320	248	282	194
13	159	136	0.0	0.0	0.0	0.0	162	249	317	271	284	194
14	154	124	0.0	0.0	0.0	0.0	192	247	255	268	285	180
15	145	104	0.0	0.0	0.0	92	219	247	252	172	283	171
16	145	71	0.0	0.0	0.0	153	229	252	306	200	285	175
17	150	0.0	0.0	0.0	0.0	102	226	250	342	203	285	175
18	153	0.0	0.0	0.0	0.0	101	227	247	342	216	285	173
19	156	0.0	0.0	0.0	0.0	106	226	267	310	247	287	172
20	155	0.0	0.0	0.0	0.0	109	227	278	301	258	283	202
21	158	0.0	0.0	0.0	0.0	24	242	274	297	285	282	227
22	157	0.0	0.0	0.0	0.0	56	261	277	302	287	283	224
23	157	0.0	0.0	0.0	0.0	151	271	278	323	265	283	221
24	157	0.0	0.0	0.0	0.0	151	290	278	344	263	283	224
25	157	0.0	0.0	0.0	0.0	147	300	280	345	292	283	227
26	157	0.0	0.0	0.0	0.0	148	308	279	346	292	281	225
27	157	0.0	0.0	0.0	0.0	148	290	258	346	295	282	213
28	149	0.0	0.0	0.0	0.0	148	217	246	344	294	282	199
29	145	0.0	0.0	0.0	---	148	258	228	346	293	283	197
30	145	0.0	0.0	0.0	---	148	271	228	345	292	285	198
31	147	---	0.0	0.0	---	151	---	230	---	294	285	---
TOTAL	4913	2163	0.0	0.0	0.0	2083	6300	7922	8957	8576	9062	6325
MEAN	158	72.1	0.0	0.0	0.0	67.2	210	256	299	277	292	211
AC-FT	9740	4290	0.0	0.0	0.0	4130	12500	15710	17770	17010	17970	12550
MAX	189	151	0.0	0.0	0.0	153	308	280	346	345	320	273
MIN	145	0.0	0.0	0.0	0.0	0.0	148	228	228	172	281	171
CAL YR 1992 TOTAL	54887.5	MEAN	150	MAX	330	MIN	0.00	AC-FT	108900			
WTR YR 1993 TOTAL	56301	MEAN	154	MAX	346	MIN	0.00	AC-FT	111700			

NO PEAK DATA AVAILABLE



ARKANSAS RIVER BASIN

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

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

DRAINAGE AREA.--10,901 mi².

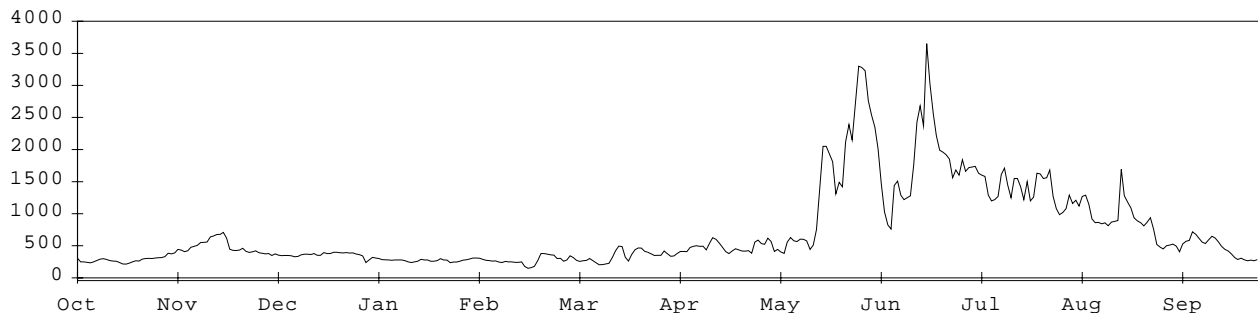
REMARKS.--Record fair, except that for periods affected by ice and when orifice was sanded over, which is poor. Record is a compilation of Catlin Dam (ARKCATCO) and Catlin Canal (CATCANCO) records developed by Frank P. Kipple.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	308	444	374	310	310	279	377	524	3230	1840	1020	450
2	250	433	355	301	306	346	335	619	2760	1660	1080	500
3	249	409	347	284	290	317	342	568	2540	1720	1290	510
4	242	422	348	283	275	272	379	411	2350	1730	1160	526
5	234	478	348	280	271	258	411	445	2010	1740	1210	494
6	249	491	344	275	263	266	413	405	1470	1630	1120	407
7	272	507	330	280	265	272	409	382	1030	1600	1270	530
8	292	552	334	281	246	302	475	556	825	1580	1290	572
9	300	555	358	280	241	269	492	630	761	1290	1150	582
10	286	560	368	270	257	233	502	579	1440	1200	919	718
11	271	638	369	250	251	204	490	565	1510	1220	861	678
12	264	654	365	240	249	208	494	604	1290	1270	867	619
13	261	675	378	250	242	217	436	601	1220	1610	842	556
14	239	678	353	260	242	226	542	576	1250	1710	858	537
15	218	707	352	290	250	317	626	443	1280	1450	813	592
16	213	621	394	280	180	422	601	510	1770	1250	869	650
17	231	446	380	280	150	495	544	755	2430	1550	881	623
18	250	430	379	260	160	489	479	1380	2680	1550	896	562
19	267	427	398	260	180	321	410	2050	2370	1420	1690	490
20	263	433	398	270	270	264	378	2050	3650	1220	1280	443
21	293	461	393	299	380	365	418	1930	3030	1500	1180	420
22	302	414	389	280	380	439	453	1810	2560	1200	1090	376
23	305	397	396	276	370	467	437	1310	2220	1260	935	317
24	301	406	387	238	360	464	419	1490	1990	1630	889	286
25	309	421	389	246	356	414	416	1420	1960	1620	861	306
26	314	392	372	247	302	399	425	2120	1920	1550	810	283
27	316	386	363	261	305	375	384	2390	1850	1560	866	268
28	332	376	342	277	260	348	560	2150	1560	1680	938	277
29	384	379	241	283	---	351	590	2710	1680	1270	758	268
30	375	350	280	294	---	352	533	3300	1600	1080	522	284
31	390	---	318	310	---	420	---	3280	---	986	479	---
TOTAL	8780	14542	11142	8495	7611	10371	13770	38563	58236	45576	30694	14124
MEAN	283	485	359	274	272	335	459	1244	1941	1470	990	471
AC-FT	17420	28840	22100	16850	15100	20570	27310	76490	115500	90400	60880	28010
MAX	390	707	398	310	380	495	626	3300	3650	1840	1690	718
MIN	213	350	241	238	150	204	335	382	761	986	479	268

CAL YR 1992 TOTAL 231786 MEAN 633 MAX 1960 MIN 146 AC-FT 459700
WTR YR 1993 TOTAL 261904 MEAN 718 MAX 3650 MIN 150 AC-FT 519500

NO PEAK DATA AVAILABLE



ARKANSAS RIVER BASIN

07123000 ARKANSAS RIVER AT LA JUNTA, CO

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

DRAINAGE AREA.--12,210 mi².

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

REMARKS.--Record is complete and reliable except for the following periods: Jan. 15-19, 21-23, 1993 when manometer orifice was affected by sand and/or freezing. All gage heights are referenced to an outside wire-weight gage. The DCP is the primary source of data for records computation. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, ground water withdrawals and diversions for irrigation. Record good, except for periods of manometer orifice problems, which is poor. Station maintained and records developed by William F. Howland.

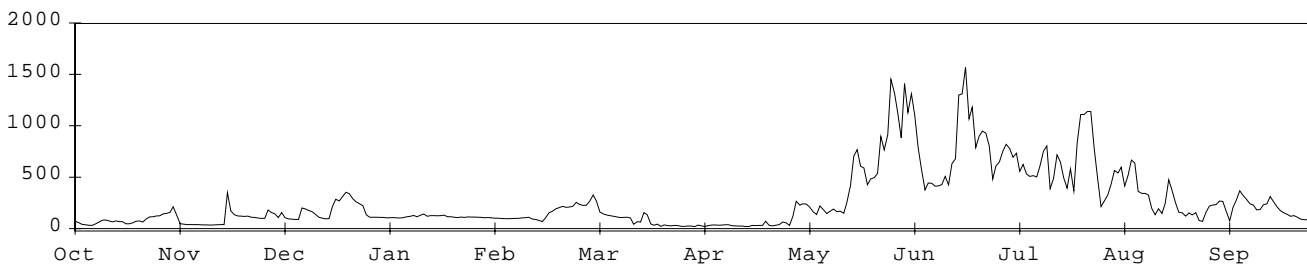
RATING TABLE.--ARKLAJCO37 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	49	157	105	105	228	26	121	1120	649	270	221
2	59	44	107	106	103	268	20	267	884	752	328	230
3	43	40	95	108	102	328	35	229	1410	821	433	234
4	38	39	93	105	99	265	28	242	1130	782	565	269
5	34	39	90	104	98	161	22	238	1310	695	542	265
6	33	39	89	108	98	143	30	208	1100	734	597	171
7	46	38	201	117	99	133	35	164	788	558	415	76
8	63	36	192	121	101	127	37	138	576	624	519	208
9	82	36	177	129	101	121	34	221	377	533	667	280
10	85	35	166	116	105	114	35	187	444	508	638	368
11	75	37	140	131	107	108	38	148	442	516	364	322
12	67	38	111	142	112	110	38	170	413	504	343	286
13	76	39	103	120	94	111	29	190	416	608	343	242
14	70	40	95	127	89	105	27	166	428	752	328	230
15	68	352	98	128	81	43	26	171	508	805	197	183
16	48	174	215	126	69	68	25	151	425	390	136	186
17	48	137	285	128	106	64	22	259	631	488	194	233
18	58	124	270	131	154	157	22	420	679	718	149	242
19	73	123	313	116	171	135	32	706	1300	648	246	312
20	76	119	353	117	193	46	30	767	1310	493	475	260
21	65	122	341	111	205	34	32	607	1570	394	371	212
22	94	112	292	108	217	44	32	590	1070	581	254	175
23	114	110	261	113	208	23	73	427	1180	366	159	155
24	116	104	243	110	211	36	33	485	789	836	154	139
25	124	100	223	114	217	30	27	495	900	1110	123	121
26	125	101	135	113	257	27	34	537	949	1110	153	128
27	144	181	111	113	236	32	39	895	930	1140	133	112
28	149	157	111	112	227	30	64	766	807	1140	157	93
29	160	145	111	110	---	23	58	915	482	785	80	88
30	212	108	109	106	---	23	32	1450	609	497	71	87
31	131	---	109	108	---	25	---	1320	---	216	160	---
TOTAL	2648	2818	5396	3603	3965	3162	1015	13650	24977	20753	9564	6128
MEAN	85.4	93.9	174	116	142	102	33.8	440	833	669	309	204
AC-FT	5250	5590	10700	7150	7860	6270	2010	27070	49540	41160	18970	12150
MAX	212	352	353	142	257	328	73	1450	1570	1140	667	368
MIN	33	35	89	104	69	23	20	121	377	216	71	76

CAL YR 1992 TOTAL 79902 MEAN 218 MAX 817 MIN 15 AC-FT 158500
WTR YR 1993 TOTAL 97679 MEAN 268 MAX 1570 MIN 20 AC-FT 193700

MAX DISCH 1990 CFS AT 0200 21-JUN-1993 GH 8.75 FT. SHIFT -0.15 FT. MAX GH 8.75 FT. AT 0200 21-JUN-1993



ARKANSAS RIVER BASIN

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

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

DRAINAGE AREA.--2,752 mi².

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

REMARKS.--The record is complete and reliable. Records for periods of flow between 1000 and 2000 cfs considered fair, and poor above 2000 cfs. Rating is not well defined above 1000 cfs. Record good. Station maintained and records developed by W. F. Howland.

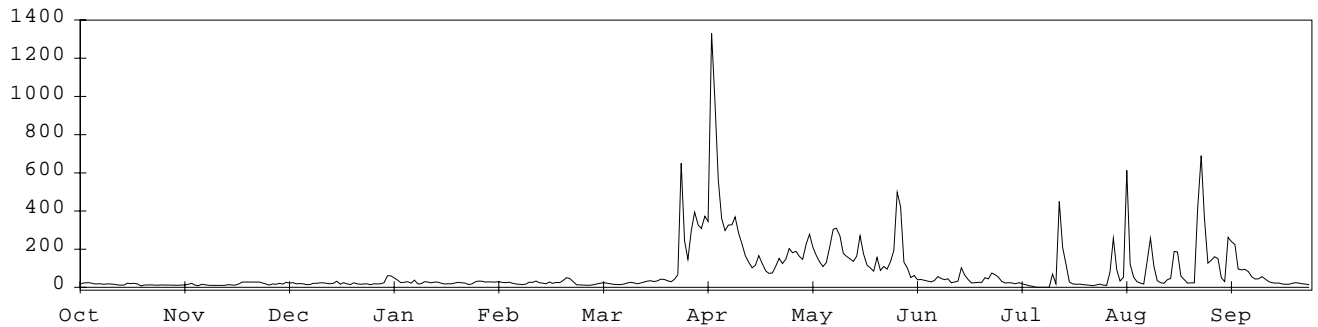
RATING TABLE.--PURNINCO16 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	13	26	61	28	11	394	189	424	31	10	142
2	23	16	23	50	30	14	327	162	133	23	81	160
3	25	21	25	38	26	18	309	147	100	25	258	151
4	24	12	19	25	25	21	373	227	52	23	93	50
5	19	9.2	20	27	27	25	346	279	63	19	33	31
6	18	16	19	30	22	22	1330	211	40	25	53	262
7	19	14	15	22	18	19	972	168	42	19	613	240
8	16	11	15	38	16	16	560	134	37	15	122	224
9	18	10	21	18	15	15	360	109	33	8.5	53	96
10	18	10	21	20	17	15	298	130	29	6.6	31	92
11	16	10	24	30	27	17	326	211	36	1.9	22	94
12	13	10	24	28	26	23	328	305	57	0.0	18	82
13	12	11	21	24	33	26	369	310	47	0.0	136	56
14	12	15	19	28	25	24	284	270	41	0.0	258	44
15	22	12	21	27	22	19	230	178	45	0.0	113	45
16	20	12	32	21	19	23	165	162	25	70	36	57
17	21	18	17	18	28	28	132	150	28	19	25	44
18	18	28	25	19	21	33	103	136	33	450	21	31
19	8.3	28	19	19	26	35	116	164	103	209	41	25
20	12	28	15	23	25	31	166	270	64	122	47	22
21	13	28	24	26	36	35	126	177	42	28	188	23
22	13	28	19	24	51	43	87	117	23	18	186	18
23	12	28	16	23	47	42	74	103	25	16	59	16
24	11	23	18	15	31	35	76	85	26	17	41	16
25	13	18	19	18	14	30	111	156	26	15	22	21
26	12	12	14	29	13	42	152	89	51	13	24	25
27	12	18	19	33	12	67	125	109	45	11	24	22
28	12	16	18	32	11	650	148	96	75	8.7	414	19
29	11	21	19	28	---	244	203	135	67	13	690	17
30	11	17	25	29	---	147	181	193	53	17	365	14
31	12	---	61	28	---	297	---	498	---	12	127	---
TOTAL	484.3	513.2	673	851	691	2067	8771	5670	1865	1235.7	4204	2139
MEAN	15.6	17.1	21.7	27.5	24.7	66.7	292	183	62.2	39.9	136	71.3
AC-FT	961	1020	1330	1690	1370	4100	17400	11250	3700	2450	8340	4240
MAX	25	28	61	61	51	650	1330	498	424	450	690	262
MIN	8.3	9.2	14	15	11	11	74	85	23	0.0	10	14

CAL YR 1992 TOTAL 17382.29 MEAN 47.5 MAX 1680 MIN 0.00 AC-FT 34480
WTR YR 1993 TOTAL 29164.2 MEAN 79.9 MAX 1330 MIN 0.00 AC-FT 57850

MAX DISCH 2600 CFS AT 1930 18-JUL-1993 GH 5.20 FT. SHIFT 0.00 FT. MAX GH 5.20 FT. AT 1930 18-JUL-1993



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 owned by Nine Mile Ditch Company was removed for repair. Gage height readings were taken using staff gage. Record in general consisted of daily, or more frequent, readings of staff gage. Control is 6' Parshall flume.

REMARKS.--Record is complete and reliable. Strip chart records were supplemented by observer reading. Record good. Maintained by William F. Howland.

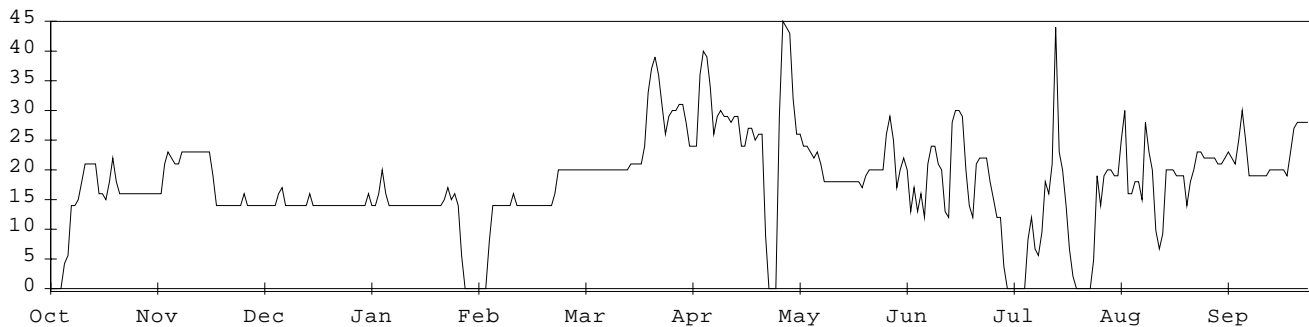
RATING TABLE.--NMCHIGCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	16	14	16	0.0	20	31	45	29	15	14	22
2	0.0	16	14	14	0.0	20	31	44	25	12	19	22
3	0.0	21	14	14	0.0	20	28	43	17	12	20	22
4	0.0	23	14	16	0.0	20	24	32	20	3.8	20	21
5	4.2	22	14	20	7.9	20	24	26	22	0.0	19	21
6	5.6	21	16	16	14	20	24	26	20	0.0	19	22
7	14	21	17	14	14	20	36	24	13	0.0	25	23
8	14	23	14	14	14	20	40	24	17	0.0	30	22
9	15	23	14	14	14	20	39	23	13	0.0	16	21
10	18	23	14	14	14	20	34	22	16	0.0	16	25
11	21	23	14	14	14	20	26	23	12	8.3	18	30
12	21	23	14	14	16	20	29	21	21	12	18	25
13	21	23	14	14	14	20	30	18	24	6.7	15	19
14	21	23	14	14	14	20	29	18	24	5.6	28	19
15	16	23	16	14	14	20	29	18	21	9.5	23	19
16	16	23	14	14	14	20	28	18	20	18	20	19
17	15	19	14	14	14	20	29	18	13	16	9.8	19
18	18	14	14	14	14	21	29	18	12	21	6.7	19
19	22	14	14	14	14	21	24	18	28	44	9.2	20
20	18	14	14	14	14	21	24	18	30	23	20	20
21	16	14	14	14	14	21	27	18	30	20	20	20
22	16	14	14	14	14	24	27	18	29	14	20	20
23	16	14	14	15	14	33	25	18	20	6.7	19	20
24	16	14	14	17	16	37	26	17	14	2.1	19	19
25	16	14	14	15	20	39	26	19	12	0.0	19	23
26	16	16	14	16	20	36	8.9	20	21	0.0	14	27
27	16	14	14	14	20	31	0.0	20	22	0.0	18	28
28	16	14	14	5.6	20	26	0.0	20	22	0.0	20	28
29	16	14	14	0.0	---	29	0.0	20	22	0.0	23	28
30	16	14	14	0.0	---	30	29	20	18	4.8	23	28
31	16	---	14	0.0	---	30	---	26	---	19	22	---
TOTAL	435.8	550	441	402.6	357.9	739	756.9	713	607	273.5	582.7	671
MEAN	14.1	18.3	14.2	13.0	12.8	23.8	25.2	23.0	20.2	8.82	18.8	22.4
AC-FT	864	1090	875	799	710	1470	1500	1410	1200	542	1160	1330
MAX	22	23	17	20	20	39	40	45	30	44	30	30
MIN	0.0	14	14	0.0	0.0	20	0.0	17	12	0.0	6.7	19

CAL YR 1992 TOTAL 4058.47 MEAN 11.1 MAX 69 MIN 0.00 AC-FT 8050
WTR YR 1993 TOTAL 6530.4 MEAN 17.9 MAX 45 MIN 0.00 AC-FT 12950

NO PEAK DATA AVAILABLE



ARKANSAS RIVER BASIN

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

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

DRAINAGE AREA.--2,752 mi².

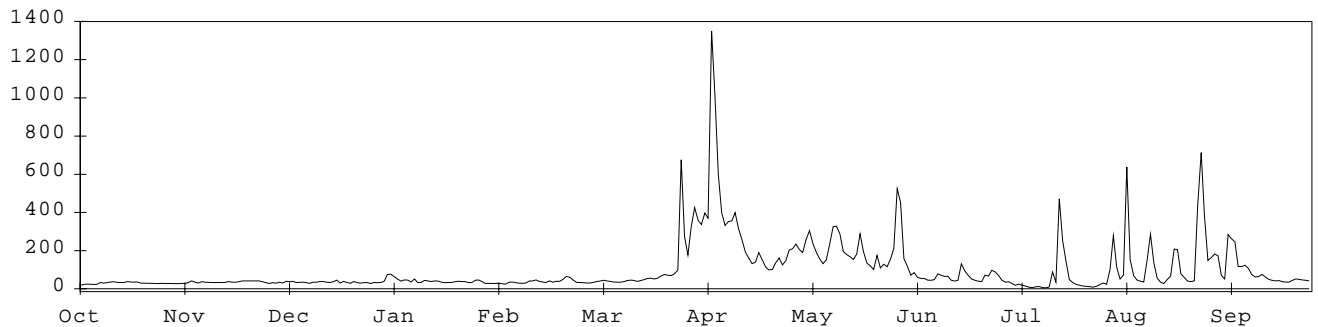
GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 4,240.59 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Discharge computed by combining discharge of river below Ninemile Dam and Ninemile canal. The peak discharge for the water year was approximately 2,600 cfs, July 18, 1993. The combined record is considered good, except for periods of flow above 1000 cfs which are fair to poor. Station maintained by William F. Howland.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	29	40	77	28	31	425	234	453	46	24	164
2	23	32	37	64	30	34	358	206	158	35	100	182
3	25	42	39	52	26	38	337	190	117	37	278	173
4	24	35	33	41	25	41	397	259	72	27	113	71
5	23	31	34	47	35	45	370	305	85	19	52	52
6	24	37	35	46	36	42	1350	237	60	25	72	284
7	33	35	32	36	32	39	1010	192	55	19	638	263
8	30	34	29	52	30	36	600	158	54	15	152	246
9	33	33	35	32	29	35	399	132	46	8.5	69	117
10	36	33	35	34	31	35	332	152	45	6.6	47	117
11	37	33	38	44	41	37	352	234	48	10	40	124
12	34	33	38	42	42	43	357	326	78	12	36	107
13	33	34	35	38	47	46	399	328	71	6.7	151	75
14	33	38	33	42	39	44	313	288	65	5.6	286	63
15	38	35	37	41	36	39	259	196	66	9.5	136	64
16	36	35	46	35	33	43	193	180	45	88	56	76
17	36	37	31	32	42	48	161	168	41	35	35	63
18	36	42	39	33	35	54	132	154	45	471	28	50
19	30	42	33	33	40	56	140	182	131	253	50	45
20	30	42	29	37	39	52	190	288	94	145	67	42
21	29	42	38	40	50	56	153	195	72	48	208	43
22	29	42	33	38	65	67	114	135	52	32	206	38
23	28	42	30	38	61	75	99	121	45	23	78	36
24	27	37	32	32	47	72	102	102	40	19	60	35
25	29	32	33	33	34	69	137	175	38	15	41	44
26	28	28	28	45	33	78	161	109	72	13	38	52
27	28	32	33	47	32	98	125	129	67	11	42	50
28	28	30	32	38	31	676	148	116	97	8.7	434	47
29	27	35	33	28	---	273	203	155	89	13	713	45
30	27	31	39	29	---	177	210	213	71	22	388	42
31	28	---	75	28	---	327	---	524	---	31	149	---
TOTAL	920	1063	1114	1254	1049	2806	9526	6383	2472	1509.6	4787	2810
MEAN	29.7	35.4	35.9	40.5	37.5	90.5	318	206	82.4	48.7	154	93.7
AC-FT	1820	2110	2210	2490	2080	5570	18890	12660	4900	2990	9500	5570
MAX	38	42	75	77	65	676	1350	524	453	471	713	284
MIN	18	28	28	28	25	31	99	102	38	5.6	24	35
CAL YR 1992 TOTAL	21455.6		MEAN	58.6	MAX	1750	MIN	4.3	AC-FT	42560		
WTR YR 1993 TOTAL	35693.6		MEAN	97.8	MAX	1350	MIN	5.6	AC-FT	70800		

NO PEAK DATA AVAILABLE



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO.

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

DRAINAGE AREA.--N/A

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

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

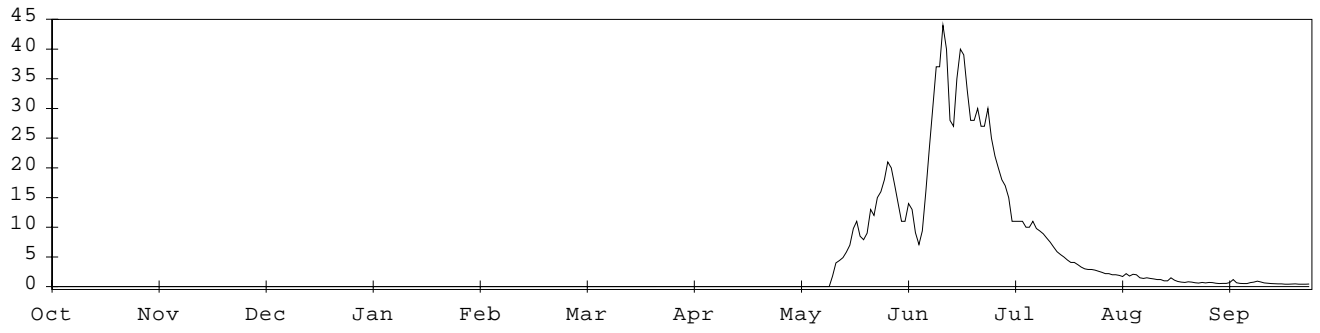
RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	22	2.4	0.72
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	20	2.2	0.70
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	18	2.2	0.59
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	17	2.0	0.52
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	15	2.0	0.56
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	11	1.9	0.55
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	11	1.7	0.70
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	11	2.2	1.2
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	11	1.8	0.67
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	10	2.1	0.56
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	10	2.0	0.52
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	11	1.5	0.52
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	9.8	1.4	0.68
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	9.4	1.5	0.78
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	37	8.9	1.4	0.93
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	44	8.2	1.3	0.80
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	40	7.5	1.2	0.64
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	28	6.7	1.2	0.58
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	27	5.9	1.0	0.52
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	35	5.4	0.99	0.50
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	40	5.0	1.5	0.49
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	39	4.5	1.1	0.48
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	33	4.1	0.89	0.43
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	28	4.1	0.77	0.43
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	28	3.7	0.71	0.45
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	30	3.3	0.82	0.47
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	27	3.0	0.76	0.43
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	27	2.9	0.67	0.41
29	0.0	0.0	0.0	0.0	---	0.0	0.0	16	30	2.9	0.61	0.41
30	0.0	0.0	0.0	0.0	---	0.0	0.0	18	25	2.8	0.71	0.44
31	0.0	---	0.0	0.0	---	0.0	---	21	---	2.6	0.65	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	169.1	749.6	267.7	43.20	17.67
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.45	25.0	8.64	1.39	0.59
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	335	1490	531	86	35
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	44	22	2.4	1.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	2.6	0.61	0.41

CAL YR 1992 TOTAL 812.73 MEAN 2.22 MAX 24 MIN 0.00 AC-FT 1610
WTR YR 1993 TOTAL 1247.27 MEAN 3.42 MAX 44 MIN 0.00 AC-FT 2470

MAX DISCH 69 CFS AT 1800 16-JUN-1993 GH 1.93 FT. SHIFT 0.01 FT. MAX GH 1.93 FT. AT 1800
16-JUN-1993



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO

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

DRAINAGE AREA.--N/A

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

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

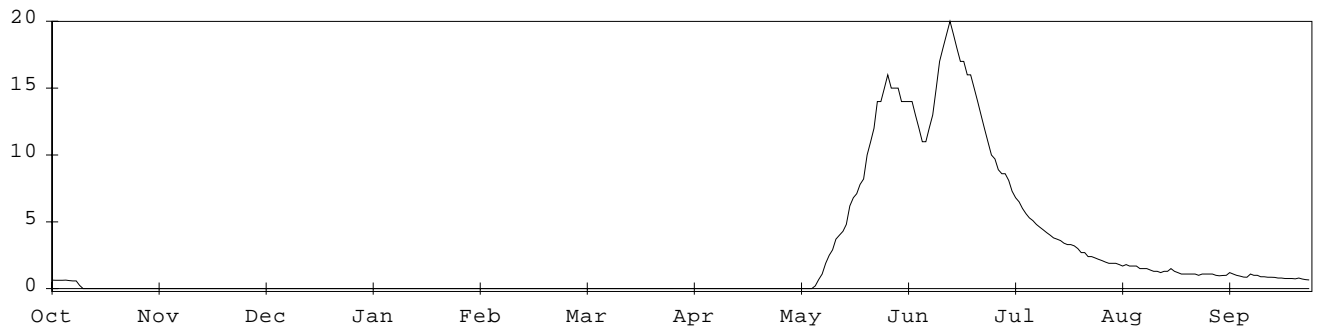
RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	9.7	2.1	1.1
2	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	8.9	2.0	1.1
3	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	8.6	1.9	1.0
4	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	8.6	1.9	0.96
5	0.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	8.1	1.9	0.98
6	0.61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	7.3	1.8	1.00
7	0.58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	6.8	1.7	1.2
8	0.58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	6.5	1.8	1.1
9	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	6.0	1.7	1.00
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.22	11	5.6	1.7	0.94
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.68	11	5.3	1.7	0.87
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	12	5.1	1.5	0.86
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	13	4.8	1.5	1.1
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	15	4.6	1.5	1.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	17	4.4	1.4	1.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	18	4.2	1.3	0.89
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	19	4.0	1.3	0.89
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	20	3.8	1.2	0.86
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	19	3.7	1.3	0.86
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	18	3.6	1.3	0.84
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	17	3.4	1.5	0.80
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	17	3.3	1.3	0.79
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	16	3.3	1.2	0.76
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	16	3.2	1.1	0.76
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	15	3.0	1.1	0.76
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	14	2.7	1.1	0.74
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	13	2.7	1.1	0.80
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	12	2.4	1.1	0.72
29	0.0	0.0	0.0	0.0	---	0.0	0.0	14	11	2.4	1.0	0.68
30	0.0	0.0	0.0	0.0	---	0.0	0.0	15	10	2.3	1.1	0.65
31	0.0	---	0.0	0.0	---	0.0	---	16	---	2.2	1.1	---
TOTAL	5.21	0.0	0.0	0.0	0.0	0.0	0.0	154.20	440	150.5	45.2	27.00
MEAN	0.17	0.0	0.0	0.0	0.0	0.0	0.0	4.97	14.7	4.85	1.46	0.90
AC-FT	10	0.0	0.0	0.0	0.0	0.0	0.0	306	873	299	90	54
MAX	0.64	0.0	0.0	0.0	0.0	0.0	0.0	16	20	9.7	2.1	1.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	2.2	1.0	0.65

CAL YR 1992 TOTAL 473.57 MEAN 1.29 MAX 7.2 MIN 0.00 AC-FT 939
WTR YR 1993 TOTAL 822.11 MEAN 2.25 MAX 20 MIN 0.00 AC-FT 1630

MAX DISCH 22 CFS AT 2130 17-JUN-1993 GH 1.27 FT. SHIFT -0.03 FT. MAX GH 1.27 FT. AT 2130
17-JUN-1993



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO

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

DRAINAGE AREA.--N/A

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

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

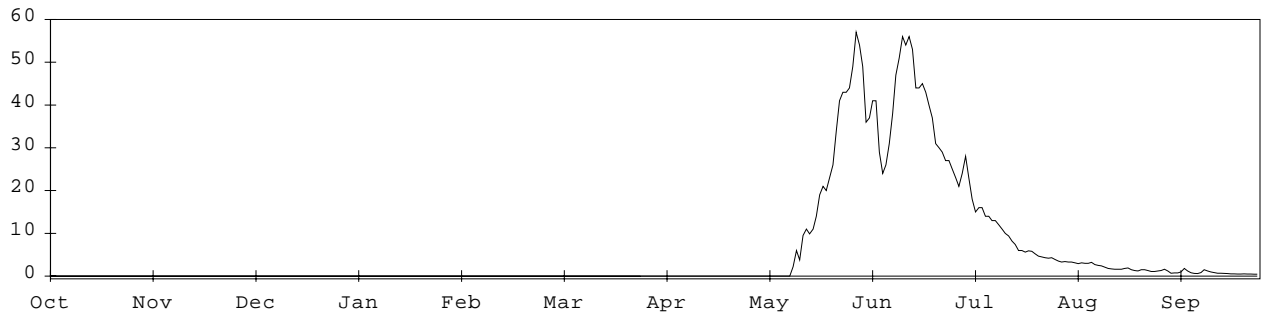
RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	23	3.5	1.3
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54	21	3.3	1.6
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	24	3.4	1.2
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	28	3.3	0.70
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	23	3.3	0.73
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	18	3.1	0.73
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	15	2.9	1.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	16	3.1	1.8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	16	3.0	1.2
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	14	3.0	0.77
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31	14	3.2	0.65
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	13	2.7	0.61
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	47	13	2.5	0.82
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	51	12	2.4	1.5
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	56	11	2.1	1.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	54	10	1.8	1.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	56	9.4	1.7	0.84
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	53	8.2	1.6	0.70
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	44	7.4	1.6	0.67
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	44	6.0	1.6	0.62
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	45	6.0	1.8	0.61
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	43	5.6	1.9	0.54
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	40	5.9	1.5	0.52
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	37	5.8	1.3	0.47
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	31	5.2	1.2	0.48
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34	30	4.7	1.5	0.52
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	29	4.5	1.5	0.47
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	27	4.3	1.3	0.47
29	0.0	0.0	0.0	0.0	---	0.0	0.0	43	27	4.2	1.1	0.43
30	0.0	0.0	0.0	0.0	---	0.0	0.0	44	25	4.3	1.1	0.43
31	0.0	---	0.0	0.0	---	0.0	---	49	---	3.9	1.2	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	430.4	1202	356.4	68.5	24.58
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	40.1	11.5	2.21	0.82
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	854	2380	707	136	49
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	57	28	3.5	1.8
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	3.9	1.1	0.43

CAL YR 1992 TOTAL 832.12 MEAN 2.27 MAX 24 MIN 0.00 AC-FT 1650
WTR YR 1993 TOTAL 2081.88 MEAN 5.70 MAX 57 MIN 0.00 AC-FT 4130

MAX DISCH 72 CFS AT 0115 02-JUN-1993 GH 1.95 FT. SHIFT 0.05 FT. MAX GH 1.95 FT. AT 0115
02-JUN-1993



ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS

LOCATION.--Lat 39°23'41", long 106°21'10", sec.32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

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

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

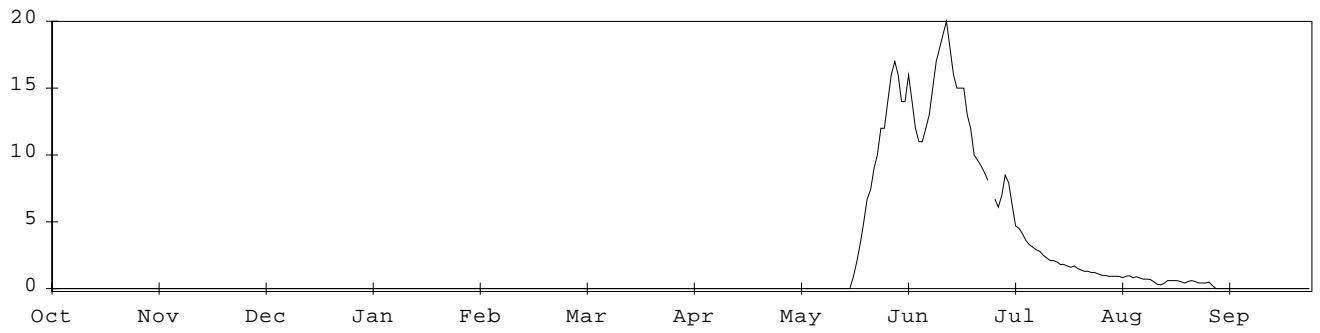
RATING TABLE.--WUREXTCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	6.7	1.0	0.49
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	6.1	0.98	0.23
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	7.0	0.93	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	8.5	0.93	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	7.9	0.93	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	6.3	0.92	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	4.7	0.82	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	4.5	0.94	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	4.1	0.96	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	3.6	0.82	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.3	0.90	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	3.1	0.80	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	2.9	0.71	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	2.8	0.71	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	2.5	0.69	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	2.3	0.52	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	2.1	0.33	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18	2.1	0.28	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16	2.0	0.41	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	1.8	0.61	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.89	15	1.8	0.61	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	15	1.7	0.61	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	13	1.6	0.59	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	12	1.7	0.51	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	10	1.5	0.43	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	9.6	1.4	0.54	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	9.2	1.3	0.61	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	8.7	1.3	0.53	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	12	8.1	1.2	0.43	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	12	---	1.2	0.43	0.0
31	0.0	---	0.0	0.0	---	0.0	---	14	---	1.1	0.43	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.19	404.6	100.1	20.90	0.72
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.65	14.0	3.23	0.67	0.02
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	163	803	199	41	1.4
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	20	8.5	1.0	0.49
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	1.1	0.28	0.0

CAL YR 1992 TOTAL 172.12 MEAN 0.47 MAX 4.7 MIN 0.00 AC-FT 341
WTR YR 1993 TOTAL 608.51 MEAN 1.67 MAX 20 MIN 0.00 AC-FT 1210

MAX DISCH 23 CFS AT 1845 16-JUN-1993 GH 0.97 FT. SHIFT 0.01 FT. MAX GH 0.97 FT. AT 1845
16-JUN-1993



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09063700 HOMESTAKE TUNNEL NEAR GOLD PARK, CO

LOCATION.--Lat 39°16'52", long 106°25'56"; Homestake tunnel diverts water from Homestake Lake, in sec. 17, T. 8 S., R. 81 W., in Eagle River basin, to Lake Fork in Arkansas River basin.

GAGE.--F-type water-stage recorder with satellite telemetry located on a 12' Parshall flume.

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

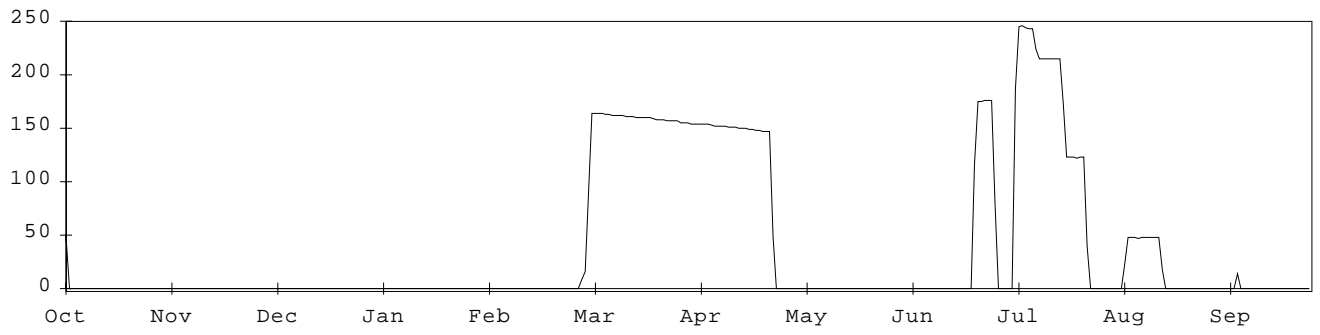
RATING TABLE.--HOMTUNCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	0.0	0.0	0.0	0.0	8.3	155	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	16	154	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	90	154	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	164	154	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	164	154	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	164	154	0.0	0.0	187	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	164	154	0.0	0.0	245	23	0.0
8	0.0	0.0	0.0	0.0	0.0	163	153	0.0	0.0	246	48	0.0
9	0.0	0.0	0.0	0.0	0.0	163	152	0.0	0.0	244	48	14
10	0.0	0.0	0.0	0.0	0.0	162	152	0.0	0.0	243	48	0.0
11	0.0	0.0	0.0	0.0	0.0	162	152	0.0	0.0	243	47	0.0
12	0.0	0.0	0.0	0.0	0.0	162	152	0.0	0.0	224	48	0.0
13	0.0	0.0	0.0	0.0	0.0	162	151	0.0	0.0	215	48	0.0
14	0.0	0.0	0.0	0.0	0.0	161	151	0.0	0.0	215	48	0.0
15	0.0	0.0	0.0	0.0	0.0	161	151	0.0	0.0	215	48	0.0
16	0.0	0.0	0.0	0.0	0.0	161	150	0.0	0.0	215	48	0.0
17	0.0	0.0	0.0	0.0	0.0	160	150	0.0	0.0	215	48	0.0
18	0.0	0.0	0.0	0.0	0.0	160	150	0.0	0.0	215	18	0.0
19	0.0	0.0	0.0	0.0	0.0	160	149	0.0	0.0	215	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	160	149	0.0	0.0	173	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	160	148	0.0	0.0	123	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	159	148	0.0	0.0	123	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	158	147	0.0	0.0	123	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	158	147	0.0	116	122	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	158	147	0.0	175	123	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	157	49	0.0	175	123	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	157	0.0	0.0	176	40	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	157	0.0	0.0	176	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	157	0.0	0.0	176	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	155	0.0	0.0	81	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	155	---	0.0	---	0.0	0.0	---
TOTAL	49	0.0	0.0	0.0	0.0	4598.3	3827	0.0	1075	4087	520	14
MEAN	1.58	0.0	0.0	0.0	0.0	148	128	0.0	35.8	132	16.8	0.47
AC-FT	97	0.0	0.0	0.0	0.0	9120	7590	0.0	2130	8110	1030	28
MAX	49	0.0	0.0	0.0	0.0	164	155	0.0	176	246	48	14
MIN	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1992 TOTAL 9809.3 MEAN 26.8 MAX 283 MIN 0.00 AC-FT 19460
WTR YR 1993 TOTAL 14170.3 MEAN 38.8 MAX 246 MIN 0.00 AC-FT 28110

MAX DISCH 250 CFS AT 0745 06-JUL-1993 GH 2.72 FT. SHIFT 0.13 FT. MAX GH 2.72 FT. AT 0745
06-JUL-1993



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec.22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 12' Parshall flume.

REMARKS.--Record good and reliable with use of satellite monitoring system and strip-chart recorder. Station maintained and records developed by L. R. Schultz.

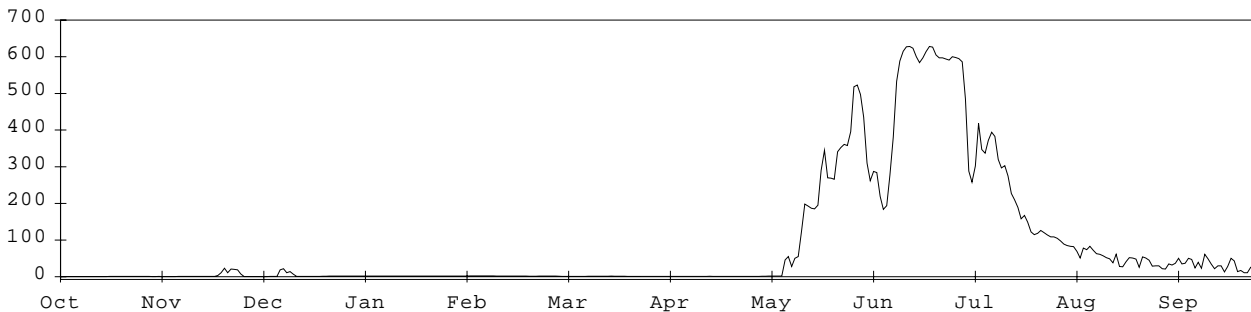
RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.52	0.73	0.66	1.8	1.8	1.6	1.2	1.2	523	598	105	30
2	0.52	0.67	0.66	1.8	1.9	1.3	1.2	1.2	497	595	98	22
3	0.52	0.66	0.66	1.8	2.0	0.93	1.2	1.3	435	586	89	21
4	0.52	0.66	0.77	1.8	2.0	0.98	1.2	1.4	310	485	85	35
5	0.52	0.74	0.82	1.8	2.0	0.99	1.2	1.6	262	288	83	32
6	0.52	0.82	0.81	1.8	2.0	0.99	1.1	1.6	287	258	82	37
7	0.52	0.82	19	1.8	2.0	0.99	1.1	1.6	284	302	69	50
8	0.52	0.82	22	1.8	2.0	1.1	1.2	1.6	219	418	51	35
9	0.53	0.82	11	1.8	2.1	1.2	1.2	1.8	184	347	78	37
10	0.52	0.89	14	1.8	2.1	1.2	1.2	46	194	337	74	50
11	0.59	0.82	7.1	1.8	1.7	1.3	1.2	55	277	372	83	47
12	0.65	0.82	0.82	1.8	1.6	1.4	1.2	28	381	394	72	24
13	0.66	0.88	0.82	1.8	1.6	1.4	1.2	50	533	383	63	39
14	0.68	0.99	0.84	1.8	1.7	1.4	1.2	55	588	320	61	23
15	0.73	0.99	0.93	1.8	1.8	1.3	1.1	122	615	297	57	61
16	0.79	1.1	0.99	1.7	1.8	1.4	1.2	198	627	303	52	49
17	0.82	1.2	0.99	1.6	1.7	1.4	1.3	193	628	275	49	34
18	0.82	3.3	1.1	1.6	1.6	1.5	1.2	187	623	227	38	22
19	0.82	11	1.2	1.6	1.7	1.4	1.2	185	600	210	61	30
20	0.82	23	1.3	1.6	1.6	1.3	1.2	195	584	189	28	30
21	0.82	11	1.4	1.6	1.4	1.4	1.2	290	597	158	27	13
22	0.82	21	1.5	1.6	1.4	1.3	1.2	345	614	167	41	28
23	0.82	20	1.6	1.6	1.4	1.2	1.1	270	628	149	52	50
24	0.82	19	1.7	1.5	1.5	1.2	1.0	269	626	122	51	43
25	0.87	7.7	1.8	1.6	1.6	1.2	1.0	266	605	115	48	14
26	0.86	0.65	1.8	1.6	1.6	1.2	1.1	341	597	118	26	17
27	0.82	0.52	1.8	1.6	1.5	1.2	1.1	352	597	126	54	11
28	0.75	0.52	1.8	1.6	1.6	1.1	0.99	361	594	120	51	11
29	0.67	0.61	1.8	1.8	---	1.2	1.2	358	591	114	45	26
30	0.73	0.66	1.8	1.8	---	1.2	1.2	396	600	109	29	24
31	0.78	---	1.8	1.8	---	1.2	---	518	---	109	30	---
TOTAL	21.36	133.40	105.27	53.2	48.7	38.48	34.89	5093.3	14700	8591	1832	945
MEAN	0.69	4.45	3.40	1.72	1.74	1.24	1.16	164	490	277	59.1	31.5
AC-FT	42	265	209	106	97	76	69	10100	29160	17040	3630	1870
MAX	0.87	23	22	1.8	2.1	1.6	1.3	518	628	598	105	61
MIN	0.52	0.52	0.66	1.5	1.4	0.93	0.99	1.2	184	109	26	11

CAL YR 1992 TOTAL 21016.20 MEAN 57.4 MAX 442 MIN 0.52 AC-FT 41690
WTR YR 1993 TOTAL 31596.59 MEAN 86.6 MAX 628 MIN 0.52 AC-FT 62670

MAX DISCH 634 CFS AT 0215 24-JUN-1993 GH 5.10 FT. SHIFT 0.00 FT. MAX GH 5.10 FT. AT 0215 24-JUN-1993



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09077160 BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE, CO

LOCATION.--Lat 39°16'40", long 106°25'40"; Charles H. Boustead tunnel diverts water from the main stem and tributaries of Fryingpan River in Colorado River basin, to Lake Fork in sec. 10, T. 9 S., R. 81 W., in Arkansas River basin.

GAGE.--Water-stage recorder with satellite telemetry located at 15' Parshall flume.

REMARKS.--Record is complete and reliable the entire year. DCP is primary source of data. Record good. Station maintained and records developed by L. R. Schultz.

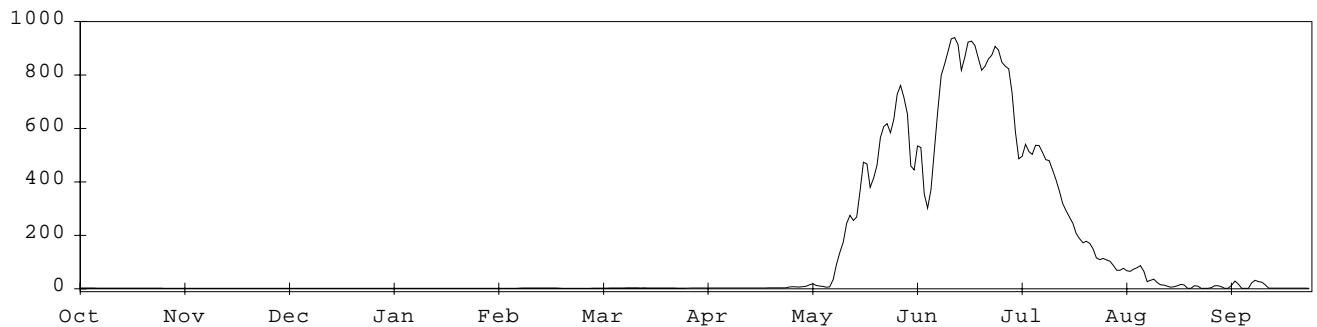
RATING TABLE.--BOUTUNCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	2.3	2.3	2.3	2.3	2.4	3.2	7.5	761	848	108	4.9
2	3.2	2.3	2.3	2.3	2.3	2.6	3.2	7.0	716	833	103	12
3	3.2	2.3	2.3	2.3	2.3	2.7	3.2	7.9	654	823	88	12
4	3.2	2.3	2.3	2.3	2.3	2.9	3.2	9.7	460	733	70	7.9
5	3.2	2.3	2.3	2.3	2.3	2.9	3.3	15	445	586	70	2.3
6	3.0	2.3	2.3	2.3	2.3	2.9	3.4	19	535	487	77	2.3
7	2.6	2.3	2.3	2.3	2.3	3.2	3.5	13	529	496	68	13
8	2.6	2.3	2.3	2.3	2.6	3.2	3.5	11	356	541	66	29
9	2.6	2.3	2.3	2.3	3.2	3.5	3.5	9.2	302	514	74	19
10	2.6	2.3	2.3	2.3	3.2	3.5	3.5	6.6	370	503	79	2.0
11	2.6	2.3	2.3	2.3	3.2	3.5	3.5	7.4	516	537	87	2.0
12	2.6	2.3	2.3	2.3	3.2	3.7	3.5	35	669	536	67	2.0
13	2.6	2.3	2.3	2.3	3.2	3.7	3.4	90	799	511	27	23
14	2.6	2.3	2.3	2.3	3.2	3.8	3.5	137	840	483	32	32
15	2.6	2.3	2.3	2.3	3.2	3.6	3.5	175	887	480	36	27
16	2.6	2.3	2.3	2.3	3.2	3.5	3.5	245	935	445	24	25
17	2.6	2.3	2.3	2.3	3.2	3.6	3.5	275	940	409	15	15
18	2.6	2.3	2.3	2.3	3.3	3.5	3.5	256	914	367	14	2.6
19	2.6	2.3	2.3	2.3	3.5	3.5	3.5	269	818	320	10	2.6
20	2.6	2.3	2.3	2.3	2.9	3.5	3.5	367	865	293	6.7	2.6
21	2.6	2.3	2.3	2.3	2.3	3.5	3.5	474	923	270	8.4	2.6
22	2.6	2.3	2.3	2.3	2.3	3.5	3.5	467	927	245	12	2.6
23	2.6	2.3	2.3	2.3	2.3	3.5	3.6	380	910	207	17	2.6
24	2.6	2.3	2.3	2.3	2.3	3.5	3.7	415	863	188	14	2.6
25	2.6	2.3	2.3	2.3	2.3	3.3	3.8	463	818	173	2.0	2.6
26	2.3	2.3	2.3	2.3	2.3	3.2	3.8	566	833	178	2.1	2.6
27	2.4	2.3	2.3	2.3	2.3	3.1	3.9	607	860	170	12	2.6
28	2.3	2.3	2.3	2.3	2.3	2.9	4.1	618	874	150	11	2.6
29	2.3	2.3	2.3	2.3	---	2.9	7.0	584	907	116	2.0	2.5
30	2.3	2.3	2.3	2.3	---	3.0	8.4	635	893	109	2.0	2.3
31	2.3	---	2.3	2.3	---	3.2	---	728	---	114	2.0	---
TOTAL	82.3	69.0	71.3	71.3	75.6	101.3	113.7	7899.3	22119	12665	1206.2	263.8
MEAN	2.65	2.30	2.30	2.30	2.70	3.27	3.79	255	737	409	38.9	8.79
AC-FT	163	137	141	141	150	201	226	15670	43870	25120	2390	523
MAX	3.2	2.3	2.3	2.3	3.5	3.8	8.4	728	940	848	108	32
MIN	2.3	2.3	2.3	2.3	2.3	2.4	3.2	6.6	302	109	2.0	2.0

CAL YR 1992 TOTAL 28731.8 MEAN 78.5 MAX 652 MIN 1.7 AC-FT 56990
WTR YR 1993 TOTAL 44737.8 MEAN 123 MAX 940 MIN 2.0 AC-FT 88740

MAX DISCH 960 CFS AT 2130 16-JUN-1993 GH 5.79 FT. SHIFT 0.00 FT. MAX GH 5.79 FT. AT 2130
16-JUN-1993



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09077500 BUSK-IVANHOE TUNNEL AT EAST PORTAL NEAR MALTA, CO

LOCATION.--Lat 39°14'55", long 106°28'14"; Water diverted from Ivanhoe Lake, tributary to Fryingpan River in sec. 13, T. 9 S., R. 82 W., in Roaring Fork River basin, to Busk Creek (tributary to Lake Fork) in sec. 20, T. 9 S., R. 81 W., in Arkansas River basin.

GAGE.--F-type water stage recorder with satellite telemetry located on an 8' Parshall flume.

REMARKS.--Record is complete and reliable the entire year. Satellite record used to fill in open chart data and verify chart data. Station maintained and records developed by L. R. Schultz.

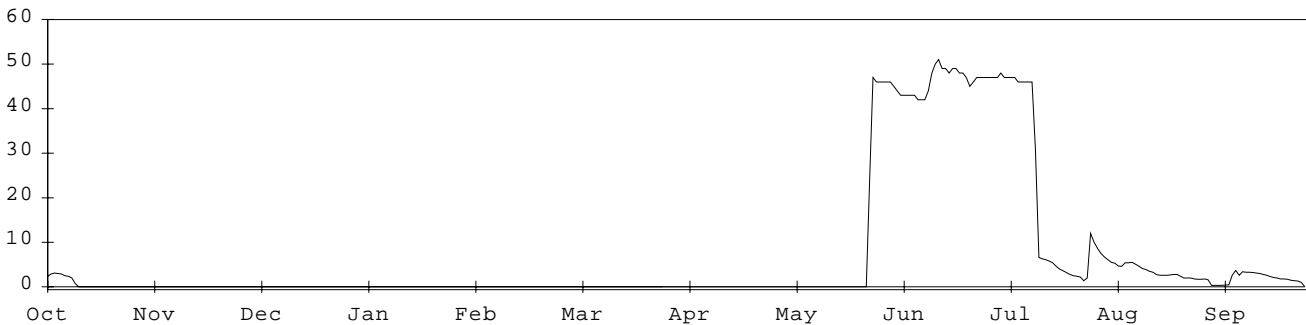
RATING TABLE.--BUSTUNCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	47	8.6	1.8
2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	47	7.5	1.6
3	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	47	6.7	0.35
4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	48	6.1	0.35
5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	47	5.5	0.35
6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	47	5.3	0.35
7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	47	4.7	0.42
8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	47	4.6	0.45
9	0.76	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43	46	5.4	2.6
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	46	5.4	3.7
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	46	5.5	2.6
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	46	5.1	3.4
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44	46	4.6	3.3
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	31	4.1	3.3
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50	6.6	3.9	3.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51	6.3	3.5	3.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	6.1	3.3	3.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	5.8	2.8	2.8
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	5.4	2.6	2.6
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	4.6	2.6	2.3
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49	4.0	2.6	2.1
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	3.6	2.7	2.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48	3.2	2.8	1.8
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	2.8	2.8	1.8
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	2.5	2.4	1.7
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46	2.4	2.0	1.5
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	47	2.2	2.0	1.4
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47	47	1.4	2.0	1.3
29	0.0	0.0	0.0	0.0	---	0.0	0.0	46	47	2.0	1.8	1.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	46	47	1.2	1.7	0.04
31	0.0	---	0.0	0.0	---	0.0	---	46	---	10	1.7	---
TOTAL	21.96	0.0	0.0	0.0	0.0	0.0	0.0	209	1381	718.9	122.3	56.22
MEAN	0.71	0.0	0.0	0.0	0.0	0.0	0.0	6.74	46.0	23.2	3.95	1.87
AC-FT	44	0.0	0.0	0.0	0.0	0.0	0.0	415	2740	1430	243	112
MAX	3.1	0.0	0.0	0.0	0.0	0.0	0.0	47	51	48	8.6	3.7
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	1.4	1.7	0.04

CAL YR 1992 TOTAL 2629.43 MEAN 7.18 MAX 80 MIN 0.00 AC-FT 5220
WTR YR 1993 TOTAL 2509.38 MEAN 6.88 MAX 51 MIN 0.00 AC-FT 4980

MAX DISCH 51 CFS AT 1700 16-JUN-1993 GH 1.28 FT. SHIFT 0.05 FT. MAX GH 1.28 FT. AT 1700 16-JUN-1993



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO

LOCATION.--Lat 38°23'00", long 106°15'00", diverts water from tributaries of Tomichi Creek between headgates (in sec.11, T.48 N., R.6 E., and sec. 1, T.47 N., R.6 E.), and Marshall Pass, in Gunnison River basin, to Poncha Creek (tributary to South Arkansas River) in SE¼ sec.24, T.48 N., R.6 E., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

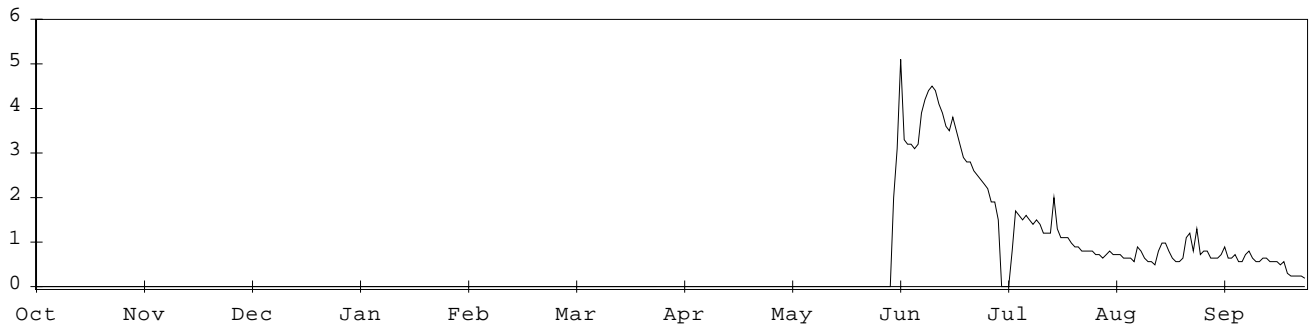
REMARKS.--Record good. Station maintained and records developed by Bruce Smith and L.R. Schultz.

RATING TABLE.--LARDITCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.72	0.80
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.72	0.80
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.64	0.64
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.5	0.72	0.64
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.80	0.64
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.72	0.72
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.72	0.89
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.81	0.72	0.64
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.7	0.64	0.64
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	1.6	0.64	0.72
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.5	0.64	0.56
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.6	0.56	0.56
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.5	0.89	0.72
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	1.4	0.80	0.80
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	1.5	0.64	0.64
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	1.4	0.56	0.56
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.2	0.56	0.56
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.2	0.49	0.64
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	1.2	0.80	0.64
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.0	0.98	0.56
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	1.3	0.98	0.56
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.1	0.80	0.56
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.1	0.64	0.49
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.1	0.56	0.56
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.98	0.56	0.30
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.89	0.64	0.24
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.89	1.1	0.24
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.80	1.2	0.24
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.4	0.80	0.80	0.24
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	2.3	0.80	1.3	0.19
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.80	0.72	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.5	36.67	23.26	16.99
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.05	1.18	0.75	0.57
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	181	73	46	34
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	2.2	1.3	0.89
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.49	0.19
CAL YR 1992 TOTAL	103.59	MEAN	0.28	MAX	2.9	MIN	0.00	AC-FT	205			
WTR YR 1993 TOTAL	168.42	MEAN	0.46	MAX	5.1	MIN	0.00	AC-FT	334			

NO PEAK DATA AVAILABLE



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. Elevation of gage is 9,300 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Flow regulated by Rio Grande Reservoir, capacity, 51,110 acre-ft, since 1912. Natural flow of stream affected by transmountain diversions from Colorado River basin to drainage area upstream from station through Weminuche Pass and Pine River-Weminuche Pass ditches. Record is complete and reliable except for Oct. 30-Nov. 9, 1992; Apr. 17-26; May 27-Jun. 1; Aug. 29-Sep. 1, 1993 when the station was isolated, and Nov. 10, 1992 to Apr. 16, 1993 when the station was closed for the winter. Record good except for periods of no gage-height record which are fair. Station maintained and records developed by Div. III staff.

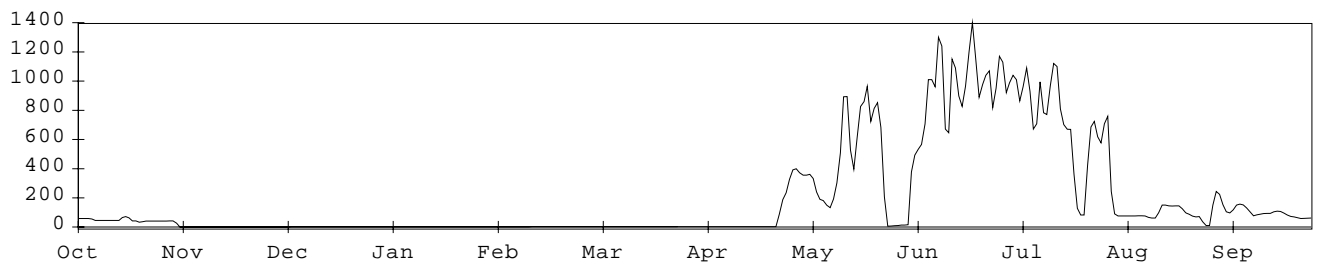
RATING TABLE.--RIOMILCO11 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	0.30	0.60	1.2	1.7	2.3	2.9	400	13	1130	759	151
2	58	0.30	0.60	1.2	1.8	2.3	2.9	372	14	921	244	243
3	58	0.30	0.70	1.2	1.8	2.3	2.9	355	15	988	90	224
4	58	0.30	0.70	1.2	1.8	2.3	2.9	355	377	1040	76	153
5	55	0.30	0.70	1.2	1.8	2.3	2.9	361	493	1010	76	104
6	46	0.30	0.70	1.3	1.8	2.4	2.9	332	532	864	76	97
7	46	0.30	0.70	1.3	1.9	2.4	2.9	240	566	962	76	118
8	46	0.30	0.70	1.3	1.9	2.4	2.9	190	706	1090	76	151
9	46	0.30	0.80	1.3	1.9	2.4	3.0	181	1010	930	76	157
10	46	0.30	0.80	1.3	1.9	2.4	3.0	149	1010	671	77	152
11	46	0.30	0.80	1.4	1.9	2.5	3.0	133	962	707	77	131
12	46	0.30	0.80	1.4	2.0	2.5	3.0	192	1300	994	76	103
13	46	0.30	0.80	1.4	2.0	2.5	3.0	302	1240	783	66	77
14	65	0.30	0.80	1.4	2.0	2.5	3.0	508	671	771	62	84
15	72	0.30	0.90	1.4	2.0	2.5	3.0	893	646	968	62	88
16	63	0.40	0.90	1.4	2.0	2.6	3.0	894	1150	1120	98	92
17	42	0.40	0.90	1.5	2.0	2.6	3.1	527	1090	1100	151	94
18	42	0.40	0.90	1.5	2.1	2.6	3.1	396	898	809	151	94
19	33	0.40	0.90	1.5	2.1	2.6	3.1	616	827	702	145	104
20	37	0.40	1.0	1.5	2.1	2.6	3.1	826	965	670	144	109
21	41	0.40	1.0	1.5	2.1	2.6	3.1	860	1200	669	145	107
22	41	0.50	1.0	1.6	2.1	2.7	3.1	964	1400	362	145	96
23	41	0.50	1.0	1.6	2.2	2.7	3.1	724	1150	129	126	83
24	41	0.50	1.0	1.6	2.2	2.7	3.1	813	890	83	97	73
25	41	0.50	1.0	1.6	2.2	2.7	3.1	852	977	82	88	69
26	41	0.50	1.1	1.6	2.2	2.7	87	684	1040	423	75	64
27	41	0.50	1.1	1.7	2.2	2.8	188	206	1070	686	70	59
28	42	0.60	1.1	1.7	2.3	2.8	235	6.2	818	724	72	60
29	42	0.60	1.1	1.7	---	2.8	327	7.2	951	619	36	61
30	26	0.60	1.1	1.7	---	2.8	392	8.7	1170	577	10	62
31	0.30	---	1.1	1.7	---	2.8	---	10	---	707	10	---
TOTAL	1406.30	11.70	27.30	44.9	56.0	79.1	1304.1	13357.1	25151	23291	3532	3260
MEAN	45.4	0.39	0.88	1.45	2.00	2.55	43.5	431	838	751	114	109
AC-FT	2790	23	54	89	111	157	2590	26490	49890	46200	7010	6470
MAX	72	0.60	1.1	1.7	2.3	2.8	392	964	1400	1130	759	243
MIN	0.30	0.30	0.60	1.2	1.7	2.3	2.9	6.2	13	82	10	59

CAL YR 1992 TOTAL 60597.30 MEAN 166 MAX 1080 MIN 0.30 AC-FT 120200
WTR YR 1993 TOTAL 71520.50 MEAN 196 MAX 1400 MIN 0.30 AC-FT 141900

MAX DISCH 1460 CFS AT 0945 12-JUN-1993 GH 3.83 FT. SHIFT -0.13 FT. MAX GH 3.84 FT. AT 1830 22-JUN-1993



RIO GRANDE BASIN

08214500 NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO

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

DRAINAGE AREA.--51.7 mi².

GAGE.--Water-stage recorder and concrete control with satellite monitoring system installed Apr. 29, 1992. Elevation of gage is 10,200 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Flow regulated by Continental Reservoir, Capacity, 26,720 acre-ft. Record is complete and reliable except for Nov. 10, 1992-Apr. 27, 1993 when the station was closed for the winter. Record is good except for periods of no gage-height which is fair. Station maintained and records developed by Div. III staff.

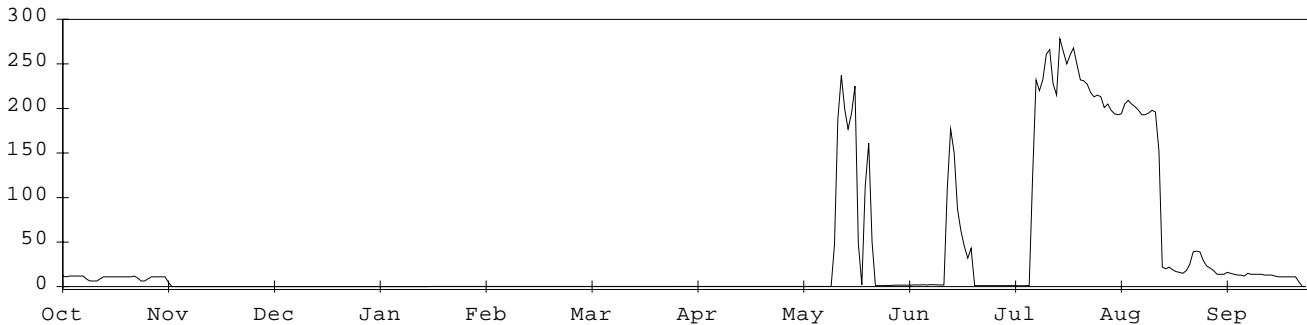
RATING TABLE.--NCLCONCO20 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	4.6	0.15	0.20	0.25	0.30	0.35	0.25	1.5	1.2	213	23
2	11	0.18	0.15	0.20	0.25	0.30	0.35	0.25	1.6	1.2	201	21
3	12	0.15	0.15	0.20	0.25	0.30	0.35	0.25	1.6	1.2	205	18
4	12	0.15	0.15	0.20	0.25	0.30	0.35	0.25	1.6	1.2	198	14
5	12	0.15	0.15	0.20	0.25	0.30	0.35	0.25	1.7	1.2	194	14
6	12	0.15	0.15	0.20	0.25	0.30	0.35	0.25	1.8	1.2	193	14
7	12	0.15	0.15	0.20	0.25	0.30	0.35	0.25	2.0	1.1	194	16
8	8.4	0.15	0.15	0.20	0.25	0.30	0.35	0.25	2.1	1.0	205	15
9	6.4	0.15	0.15	0.20	0.25	0.30	0.35	0.25	2.0	1.0	209	14
10	6.4	0.15	0.15	0.20	0.25	0.30	0.35	0.25	2.2	1.1	205	13
11	6.4	0.15	0.15	0.20	0.25	0.30	0.35	0.30	2.0	1.2	202	13
12	9.0	0.15	0.15	0.20	0.25	0.30	0.35	0.35	2.2	1.2	198	12
13	11	0.15	0.15	0.20	0.25	0.30	0.35	0.35	2.2	1.2	193	15
14	11	0.15	0.20	0.20	0.25	0.30	0.35	0.35	2.1	1.2	193	14
15	11	0.15	0.20	0.20	0.25	0.30	0.35	47	2.0	1.2	195	14
16	11	0.15	0.20	0.20	0.25	0.30	0.35	188	2.0	1.2	198	14
17	11	0.15	0.20	0.25	0.25	0.30	0.35	237	110	1.2	196	14
18	11	0.15	0.20	0.25	0.25	0.30	0.35	199	177	1.2	152	13
19	11	0.15	0.20	0.25	0.25	0.30	0.35	177	150	1.2	22	13
20	11	0.15	0.20	0.25	0.30	0.30	0.35	195	87	1.2	20	13
21	11	0.15	0.20	0.25	0.30	0.30	0.35	225	63	1.2	22	12
22	12	0.15	0.20	0.25	0.30	0.30	0.35	49	45	1.2	19	11
23	9.6	0.15	0.20	0.25	0.30	0.30	0.35	2.1	32	1.2	17	11
24	6.4	0.15	0.20	0.25	0.30	0.30	0.35	112	43	1.2	16	11
25	6.4	0.15	0.20	0.25	0.30	0.35	0.35	161	1.2	1.2	15	11
26	9.0	0.15	0.20	0.25	0.30	0.35	0.35	50	1.2	1.2	18	11
27	11	0.15	0.20	0.25	0.30	0.35	0.35	1.2	1.2	1.2	25	11
28	11	0.15	0.20	0.25	0.30	0.35	0.25	1.2	1.2	1.2	39	5.4
29	11	0.15	0.20	0.25	---	0.35	0.27	1.2	1.2	1.2	40	0.30
30	11	0.15	0.20	0.25	---	0.35	0.25	1.3	1.2	1.2	39	0.25
31	11	---	0.20	0.25	---	0.35	---	1.4	---	1.2	29	---
TOTAL	317.0	8.98	5.55	6.95	7.45	9.65	10.22	1652.25	744.8	4693.6	3865	380.95
MEAN	10.2	0.30	0.18	0.22	0.27	0.31	0.34	53.3	24.8	151	125	12.7
AC-FT	629	18	11	14	15	19	20	3280	1480	9310	7670	756
MAX	12	4.6	0.20	0.25	0.30	0.35	0.35	237	177	278	213	23
MIN	6.4	0.15	0.15	0.20	0.25	0.30	0.25	0.25	1.2	1.0	15	0.25

CAL YR 1992 TOTAL 6675.34 MEAN 18.2 MAX 203 MIN 0.15 AC-FT 13240
WTR YR 1993 TOTAL 11702.40 MEAN 32.1 MAX 278 MIN 0.15 AC-FT 23210

MAX DISCH 324 CFS AT 0900 18-MAY-1993 GH 2.65 FT. SHIFT 0.09 FT. MAX GH 2.65 FT. AT 0900 18-MAY-1993



RIO GRANDE BASIN

08218500 GOOSE CREEK AT WAGONWHEEL GAP, CO

LOCATION.--Lat 37°45'07", long 106°49'46", in SW¼SE¼ sec.35, T.41 N., R.1 E., Mineral County, Hydrologic Unit 13010001, on left bank 0.2 mi downstream from Pierce Creek, 1.0 mi upstream from mouth, 1.0 mi south of Wagonwheel Gap, and 8.8 mi southeast of Creede.

DRAINAGE AREA.--90 mi².

GAGE.--Water-stage recorder. 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. 8-9, 15-Nov. 9, 1992 due to clock stopping; Nov. 10, 1992-Mar. 30, 1993 when station was closed for the winter. Records are good except for periods of no gage-height record which are fair. Station maintained and records developed by Div. III staff.

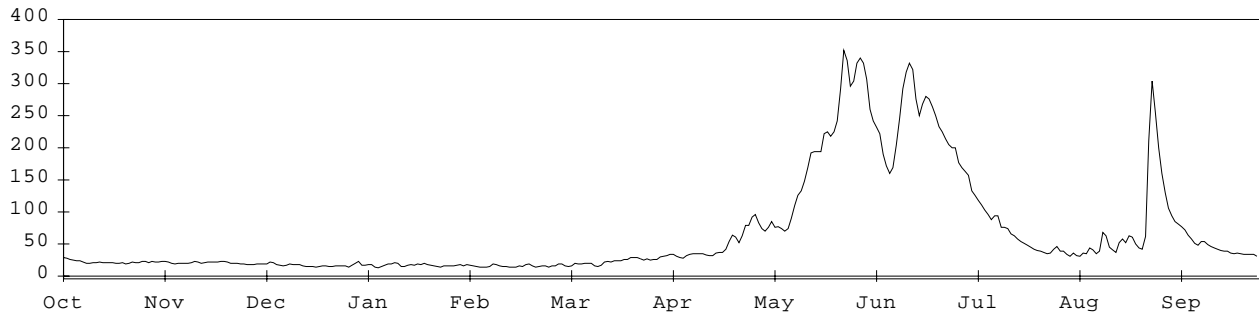
RATING TABLE.--GOOWAGCO09 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	23	19	17	18	19	30	83	340	177	39	160
2	28	22	19	18	17	19	31	74	332	169	39	130
3	26	20	22	18	16	16	32	70	307	163	34	106
4	25	19	21	14	15	15	34	76	260	157	31	94
5	24	20	18	13	14	16	34	85	242	133	36	85
6	24	20	17	15	14	20	31	76	232	126	32	81
7	22	20	16	17	14	19	29	77	222	118	31	77
8	20	20	17	19	15	19	28	74	190	111	36	72
9	20	21	19	19	19	20	32	70	172	103	35	64
10	21	23	18	21	18	20	34	74	160	96	44	58
11	21	22	18	20	16	20	35	90	169	88	41	51
12	22	20	18	15	15	16	35	110	204	94	35	48
13	21	21	16	15	15	15	35	126	246	94	39	54
14	21	22	15	17	14	17	35	133	292	76	68	54
15	21	22	15	18	14	22	33	148	318	76	63	49
16	21	22	15	17	14	23	32	169	332	74	45	46
17	20	22	14	19	16	22	32	192	322	66	41	44
18	20	23	15	18	15	24	36	194	276	63	37	42
19	21	23	16	20	18	24	37	194	250	58	52	40
20	19	22	16	18	19	24	37	194	268	54	58	39
21	20	20	15	17	16	26	42	222	280	51	52	39
22	22	20	15	16	14	26	54	225	276	48	63	36
23	21	20	16	15	15	29	64	218	264	45	61	35
24	21	19	16	14	16	29	61	225	250	42	50	36
25	23	19	16	16	16	29	52	242	233	40	44	35
26	23	18	16	16	14	27	63	292	225	39	42	34
27	21	18	14	16	16	25	79	352	214	37	62	34
28	23	18	17	16	16	27	79	336	205	35	211	34
29	22	19	20	17	---	25	92	296	200	36	304	34
30	22	19	23	18	---	26	96	304	200	42	256	31
31	23	---	17	16	---	26	---	332	---	46	200	---
TOTAL	687	617	529	525	439	685	1344	5353	7481	2557	2181	1742
MEAN	22.2	20.6	17.1	16.9	15.7	22.1	44.8	173	249	82.5	70.4	58.1
AC-FT	1360	1220	1050	1040	871	1360	2670	10620	14840	5070	4330	3460
MAX	29	23	23	21	19	29	96	352	340	177	304	160
MIN	19	18	14	13	14	15	28	70	160	35	31	31

CAL YR 1992 TOTAL 17362 MEAN 47.4 MAX 163 MIN 14 AC-FT 34440
WTR YR 1993 TOTAL 24140 MEAN 66.1 MAX 352 MIN 13 AC-FT 47880

MAX DISCH 410 CFS AT 1315 29-AUG-1993 GH 3.77 FT. SHIFT -0.03 FT. MAX GH 3.77 FT. AT 1315 29-AUG-1993



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. Datum of gage is 8,221.79 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Transmountain diversions from Colorado River basin to drainage area upstream from station through Treasure Pass ditch. Natural flow of stream affected by a few small diversions for irrigation, slight regulation by Beaver Creek Reservoir, Capacity, 4,760 acre-ft. and several smaller storage reservoirs. Record is complete and reliable except for Nov. 16, 1992-Mar. 30, 1993 when the station was closed for the winter. Stage-discharge relation ice affected Nov. 3-5, 12-15, 1992. Record good except for periods of no gage-height record and ice affect which are fair. Station maintained and records developed by Div. III staff.

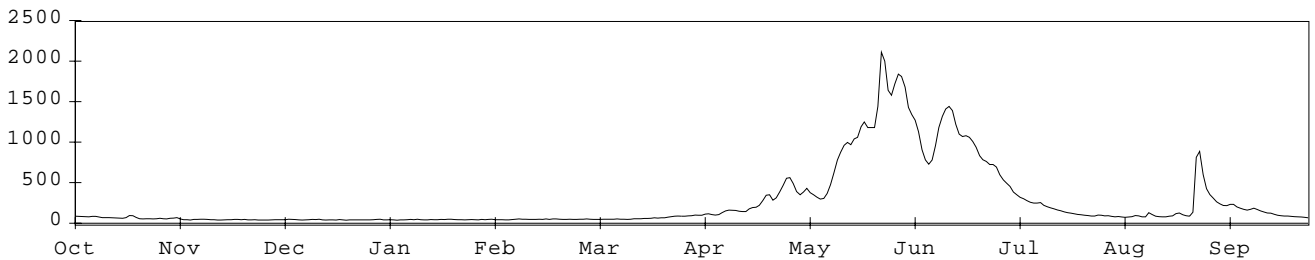
RATING TABLE.--RIOSFKCO08 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	52	44	42	49	52	93	490	1840	598	91	354
2	85	44	44	44	44	49	100	390	1810	534	92	310
3	83	43	50	41	44	46	99	351	1680	494	84	265
4	80	39	47	37	44	46	98	384	1430	453	79	238
5	79	46	45	40	41	47	113	430	1340	385	83	219
6	84	46	41	42	42	50	116	377	1270	350	77	216
7	84	50	39	44	45	49	107	350	1130	320	73	232
8	77	49	42	46	48	49	101	322	907	302	77	234
9	70	46	44	43	52	49	106	298	783	278	80	201
10	69	43	47	48	48	52	129	306	728	258	95	186
11	68	44	45	43	50	50	151	367	780	248	89	172
12	66	39	48	41	46	48	162	476	957	248	78	161
13	65	39	40	41	46	46	160	620	1180	254	78	171
14	63	42	39	45	47	48	157	780	1320	221	130	186
15	62	43	41	44	49	54	148	875	1410	203	107	169
16	69	44	40	44	47	54	145	962	1440	190	86	151
17	94	47	39	47	52	54	145	998	1390	177	81	139
18	93	46	45	45	47	58	177	970	1220	164	78	127
19	71	44	40	49	52	58	194	1040	1100	153	78	123
20	54	46	38	48	52	60	197	1060	1070	140	86	109
21	52	40	41	45	48	66	222	1190	1080	131	89	98
22	55	41	41	44	46	64	279	1250	1060	123	119	93
23	56	43	41	43	46	66	345	1180	1010	115	126	88
24	53	39	41	42	49	66	350	1180	937	108	103	88
25	55	39	41	43	46	74	285	1180	834	104	92	84
26	60	39	40	45	47	80	314	1440	784	98	87	81
27	55	39	40	43	49	86	388	2110	763	94	136	79
28	53	41	44	42	50	88	468	2000	724	88	814	77
29	61	43	47	46	---	86	554	1640	725	88	885	72
30	64	43	50	44	---	86	562	1580	693	101	600	66
31	69	---	42	46	---	89	---	1720	---	99	426	---
TOTAL	2135	1299	1326	1357	1326	1870	6465	28316	33395	7119	5199	4789
MEAN	68.9	43.3	42.8	43.8	47.4	60.3	216	913	1113	230	168	160
AC-FT	4230	2580	2630	2690	2630	3710	12820	56160	66240	14120	10310	9500
MAX	94	52	50	49	52	89	562	2110	1840	598	885	354
MIN	52	39	38	37	41	46	93	298	693	88	73	66

CAL YR 1992 TOTAL 61709 MEAN 169 MAX 979 MIN 38 AC-FT 122400
WTR YR 1993 TOTAL 94596 MEAN 259 MAX 2110 MIN 37 AC-FT 187600

MAX DISCH 2540 CFS AT 0015 28-MAY-1993 GH 6.19 FT. SHIFT -0.18 FT. MAX GH 6.19 FT. AT 0015 28-MAY-1993



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 18 mi upstream from Pinos Creek.

DRAINAGE AREA.--1,320 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,980.25 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Small diversions upstream from station for irrigation. Flow regulated by Beaver Creek Reservoir since 1910, Santa Maria Reservoir since 1912, Rio Grande Reservoir since 1912, and Continental Reservoir since 1925, combined capacity, 126,100 acre-ft, and by several smaller reservoirs. Transmountain diversions to drainage area upstream from station from Colorado River basin. Record is complete and reliable. Stage-discharge relation ice affected Nov. 27-Dec. 31, 1992; Jan. 1-Mar. 19, 1993. Record is good except for ice affected periods which are fair. Station maintained and records developed by Div. III staff.

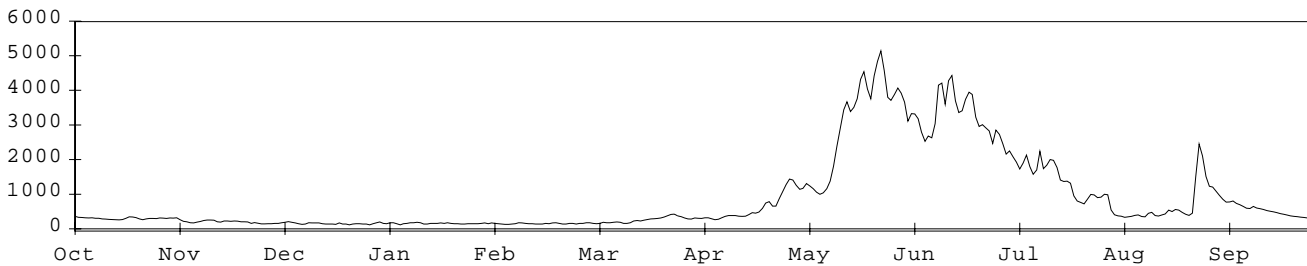
RATING TABLE.--RIODELCO03 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	364	266	180	150	170	180	284	1410	4070	2730	1000	1230
2	335	219	190	180	160	180	315	1260	3920	2460	989	1210
3	330	206	210	180	150	160	309	1140	3660	2160	546	1090
4	322	178	190	150	140	150	303	1170	3110	2250	406	965
5	314	172	170	120	130	160	322	1310	3330	2080	375	857
6	319	196	150	150	130	190	323	1240	3320	1930	365	770
7	308	212	130	160	140	180	292	1160	3180	1730	336	776
8	305	241	140	180	150	180	267	1060	2790	1900	348	805
9	287	256	180	180	180	190	277	999	2530	2130	359	738
10	284	255	170	190	170	200	319	1040	2680	1800	390	700
11	273	253	170	180	160	190	362	1160	2630	1580	402	650
12	271	207	170	140	150	160	384	1380	3040	1700	358	597
13	268	195	150	140	150	160	384	1810	4150	2240	348	587
14	262	228	140	160	140	180	384	2380	4210	1740	452	649
15	270	225	140	160	140	230	366	2900	3600	1840	477	603
16	306	219	140	160	140	240	362	3440	4280	2000	386	581
17	350	226	130	170	160	230	367	3670	4430	1980	371	564
18	343	222	170	160	150	250	413	3390	3700	1770	404	530
19	324	205	140	180	170	270	468	3510	3360	1410	431	512
20	285	208	140	160	180	287	454	3760	3410	1370	542	493
21	267	202	120	150	160	294	488	4320	3740	1380	503	468
22	287	160	140	150	140	300	593	4540	3950	1320	563	441
23	300	182	150	140	140	315	745	4040	3880	952	542	422
24	303	164	150	140	160	343	788	3760	3230	803	475	399
25	298	143	140	150	160	381	658	4420	2960	762	420	373
26	316	146	140	150	140	417	658	4840	3010	721	391	364
27	312	150	120	150	160	428	875	5140	2920	857	454	351
28	302	150	150	150	160	376	1080	4570	2830	997	1510	338
29	316	160	180	160	---	354	1280	3800	2470	980	2450	329
30	312	160	200	170	---	317	1440	3710	2850	902	2110	314
31	321	---	160	150	---	287	---	3880	---	917	1510	---
TOTAL	9454	6006	4850	4910	4280	7779	15560	86209	101240	49391	20213	18706
MEAN	305	200	156	158	153	251	519	2781	3375	1593	652	624
AC-FT	18750	11910	9620	9740	8490	15430	30860	171000	200800	97970	40090	37100
MAX	364	266	210	190	180	428	1440	5140	4430	2730	2450	1230
MIN	262	143	120	120	130	150	267	999	2470	721	336	314

CAL YR 1992 TOTAL 245601 MEAN 671 MAX 3030 MIN 110 AC-FT 487100
WTR YR 1993 TOTAL 328598 MEAN 900 MAX 5140 MIN 120 AC-FT 651800

MAX DISCH 5300 CFS AT 1000 27-MAY-1993 GH 4.52 FT. SHIFT -0.04 FT. MAX GH 4.52 FT. AT 1000 27-MAY-1993



RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO

LOCATION.--Lat 37°35'30", long 106°27'05", in SW¼SE¼ sec. 29, T.39 N., R.5 E., Rio Grande County, Hydrologic Unit 13010002, on left bank 90 ft. downstream from Bennett Creek and 8.0 mi. southwest of Del Norte, Co.

DRAINAGE AREA.--53 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry on rectangular concrete box control. Altitude of gage is 8,480 ft. from topographic map.

REMARKS.--One small diversion above station. Record is complete and reliable except for the following periods: Nov. 16, 1992-Mar. 30, 1993 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 3-8, 12-15, 1992. Record good except for periods of no gage-height record, and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

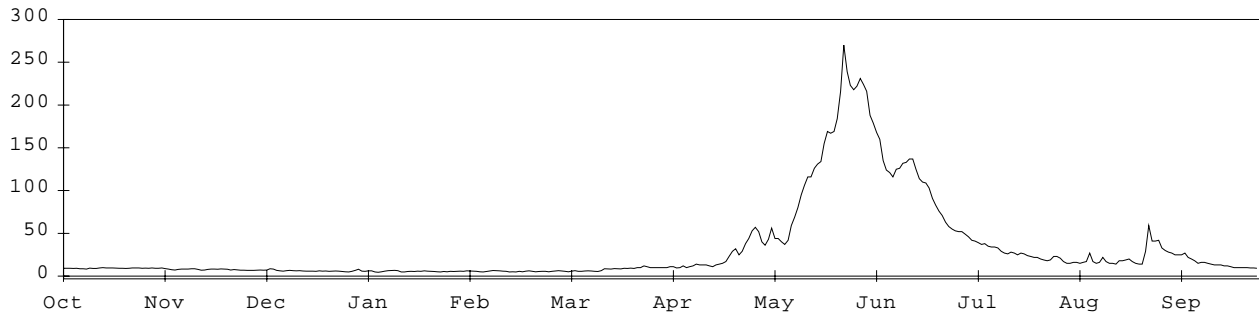
RATING TABLE.--PINDELCO14 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	8.8	7.0	5.6	6.2	6.4	10	52	231	52	21	33
2	9.1	8.3	7.2	6.2	6.0	6.0	10	40	224	52	17	30
3	9.1	7.5	8.6	6.2	5.8	5.6	9.9	36	216	49	15	28
4	9.0	7.2	8.2	5.0	5.6	5.2	11	43	188	46	15	27
5	9.1	7.8	6.8	4.5	5.2	5.8	11	56	179	42	16	25
6	8.6	8.2	6.2	5.2	5.0	6.4	9.6	44	168	41	16	25
7	8.6	8.3	5.8	5.8	5.4	5.6	10	44	160	39	15	25
8	8.3	8.3	6.4	6.4	6.0	5.6	12	40	135	37	16	27
9	9.3	8.7	6.8	6.6	6.6	6.0	10	37	124	38	17	22
10	9.0	8.7	6.4	6.8	6.4	6.2	11	42	121	35	27	20
11	9.0	7.9	6.2	6.4	6.2	6.0	12	59	116	34	17	18
12	9.5	7.0	6.4	5.0	5.8	5.6	14	69	125	34	15	15
13	9.9	7.2	6.0	5.0	5.6	5.4	13	80	126	33	16	16
14	9.6	7.8	5.8	5.4	5.0	6.4	13	95	132	29	22	16
15	9.5	8.2	5.8	5.6	5.2	8.6	13	106	133	27	17	15
16	9.6	8.2	5.8	5.4	4.9	8.4	12	116	137	26	15	14
17	9.3	8.0	5.6	5.8	5.6	8.2	11	116	137	28	15	13
18	9.2	8.4	6.2	5.6	5.2	8.8	13	126	125	27	14	13
19	9.2	8.2	5.8	6.2	5.8	8.6	14	131	114	25	18	13
20	9.0	8.0	6.0	5.8	6.2	8.4	15	134	110	27	18	12
21	9.2	7.2	5.6	5.6	5.6	9.2	17	155	109	26	19	12
22	9.5	7.6	5.8	5.4	5.2	9.0	23	169	103	24	20	11
23	9.6	7.4	6.0	5.2	5.4	9.4	29	167	91	23	17	10
24	9.6	7.0	5.8	5.0	5.6	9.0	32	169	83	22	15	10
25	9.1	7.0	5.4	5.4	5.6	10	25	184	76	22	14	10
26	9.3	6.8	5.2	5.2	5.2	9.8	29	216	71	20	14	10
27	9.1	6.8	4.8	5.6	5.6	12	38	270	63	19	29	10
28	9.6	6.8	5.6	5.4	6.0	11	44	239	58	18	59	9.6
29	9.1	7.0	6.8	5.6	---	10	53	223	55	19	41	9.6
30	9.1	7.2	8.0	5.8	---	10	57	218	53	23	41	9.1
31	9.6	---	5.8	5.6	---	9.9	---	222	---	23	42	---
TOTAL	285.8	231.5	193.8	174.3	157.9	242.5	581.5	3698	3763	960	653	508.3
MEAN	9.22	7.72	6.25	5.62	5.64	7.82	19.4	119	125	31.0	21.1	16.9
AC-FT	567	459	384	346	313	481	1150	7330	7460	1900	1300	1010
MAX	9.9	8.8	8.6	6.8	6.6	12	57	270	231	52	59	33
MIN	8.3	6.8	4.8	4.5	4.9	5.2	9.6	36	53	18	14	9.1

CAL YR 1992 TOTAL 7701.8 MEAN 21.0 MAX 112 MIN 4.2 AC-FT 15280
WTR YR 1993 TOTAL 11449.6 MEAN 31.4 MAX 270 MIN 4.5 AC-FT 22710

MAX DISCH 294 CFS AT 0530 27-MAY-1993 GH 2.73 FT. SHIFT -0.02 FT. MAX GH 2.73 FT. AT 0530
27-MAY-1993



RIO GRANDE BASIN

082215000 RIO GRANDE NEAR MONTE VISTA, CO

LOCATION.--Lat 37°36'34", long 106°08'52", in NW¼SW¼ sec.19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 50 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

DRAINAGE AREA.--1,590 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Datum of gage is 7,654.16 ft., Colorado State Highway Datum.

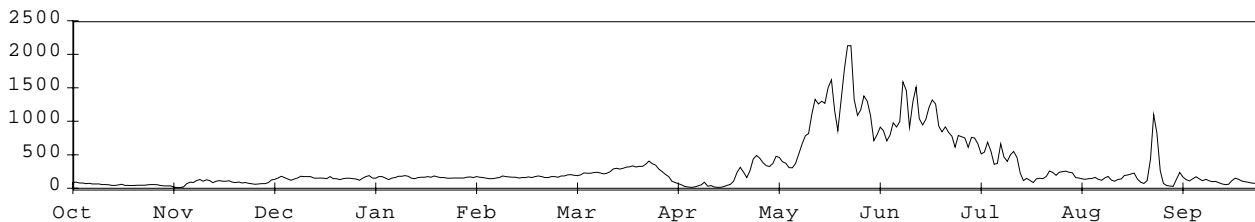
REMARKS.--Diversions above station for irrigation of about 90,000 acres. Flow regulated by Beaver Creek, Santa Maria, Rio Grande, and Continental Reservoirs, combined capacity 126,100 acre-ft, and by several smaller reservoirs. Transmountain diversions to drainage area above station from Colorado River basin. Record is complete and reliable except for the following periods: Dec. 8, 10, 1992 when the clock stopped and the satellite data was incomplete; Dec. 16-22, 1992 when the floats were frozen; Dec. 23, 1992-Mar. 9, 1993 when the station was closed for the winter. Stage-discharge relation was ice affected Nov. 26-Dec. 7, 9, 11,-15 1992; Mar. 10-17, 19-22, 1993. Record is good except for periods of ice affected record and no gage-height record which is fair. Station maintained and records developed by Division III Hydrographic staff.

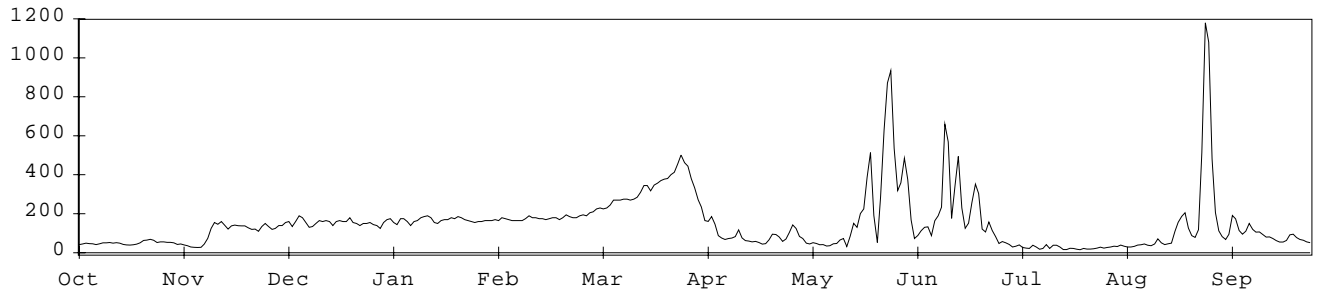
RATING TABLE.--RIOMONCO17 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	17	125	155	160	185	207	381	1380	770	250	71
2	90	12	135	150	175	200	175	338	1300	752	256	40
3	79	12	155	175	165	205	107	325	1090	613	239	34
4	80	21	180	175	160	195	88	372	713	759	232	29
5	70	69	160	155	150	190	69	480	793	750	160	135
6	74	91	140	130	145	200	50	462	914	664	153	238
7	66	88	120	155	145	230	28	396	862	513	142	166
8	66	115	140	160	155	225	20	373	708	541	136	130
9	65	131	155	180	160	225	16	309	794	688	144	110
10	57	106	180	180	185	235	20	307	977	551	146	141
11	57	127	175	190	175	240	36	373	915	359	163	172
12	54	115	175	180	170	230	49	515	997	372	136	141
13	44	85	175	150	165	215	91	665	1590	664	120	113
14	43	105	155	145	165	225	32	784	1460	470	156	134
15	50	115	150	160	155	245	40	817	907	402	177	112
16	60	105	155	165	160	290	20	1110	1290	502	123	98
17	44	105	150	165	160	300	16	1330	1510	550	107	103
18	44	112	145	175	170	287	16	1260	1040	459	132	83
19	40	92	175	165	160	300	28	1300	946	228	138	64
20	44	87	145	185	175	315	43	1270	1030	115	191	55
21	47	95	145	170	185	320	60	1500	1210	147	199	60
22	45	79	130	160	175	335	108	1620	1320	117	214	113
23	47	86	145	160	160	317	238	1160	1260	86	228	150
24	54	75	150	150	160	328	314	862	927	141	139	137
25	57	68	150	150	175	329	244	1330	844	151	92	109
26	56	60	145	155	175	361	160	1780	917	144	73	99
27	53	65	140	155	165	407	263	2130	836	177	116	90
28	40	70	120	155	185	366	435	2130	778	258	433	80
29	36	70	150	155	---	348	490	1330	614	237	1100	75
30	37	85	175	165	---	286	449	1090	788	195	827	66
31	36	---	190	170	---	250	---	1170	---	239	263	---
TOTAL	1724	2463	4730	5040	4635	8384	3912	29269	30710	12614	6985	3148
MEAN	55.6	82.1	153	163	166	270	130	944	1024	407	225	105
AC-FT	3420	4890	9380	10000	9190	16630	7760	58060	60910	25020	13850	6240
MAX	90	131	190	190	185	407	490	2130	1590	770	1100	238
MIN	36	12	120	130	145	185	16	307	614	86	73	29

CAL YR 1992 TOTAL 91134 MEAN 249 MAX 1010 MIN 12 AC-FT 180800
 WTR YR 1993 TOTAL 113614 MEAN 311 MAX 2130 MIN 12 AC-FT 225400
 MAX DISCH 2400 CFS AT 1045 28-MAY-1993 GH 5.91 FT. SHIFT -0.04 FT. MAX GH 5.91 FT. AT 1045 28-MAY-1993





RIO GRANDE BASIN
 CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO
 RIO GRANDE COMPACT STATION

LOCATION.--Lat 37°28'33", long 105°45'58", SW¼SW¼, sec.3, T.37 N., R.11 E., Alamosa County, Hydrologic Unit 13010002, 400 ft north of State Highway 160, 5.5 mi east of Alamosa, Co. on right bank of Closed Basin Project Canal.

DRAINAGE AREA.--

GAGE.--Graphic water-stage recorder with satellite telemetry at 12' Parshall flume.

REMARKS.--Record is complete and reliable except for Aug. 13,1993 when the pen was skipping and there was only partial satellite record. Stage-discharge relation affected by submergence from backwater created by check structure below flume Dec. 27-30, 1992; Jan. 1-4, 6-13, 17-31; Feb. 1-10; May 30; Jun. 14-16, 19, 21, 23-24, 26-28; Jul. 1-2, 4-9, 27, 1993. Stage-discharge relation also affected by ice in the flume Dec. 7-16, 1992. Record is good except for periods of no record, ice affected and backwater affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

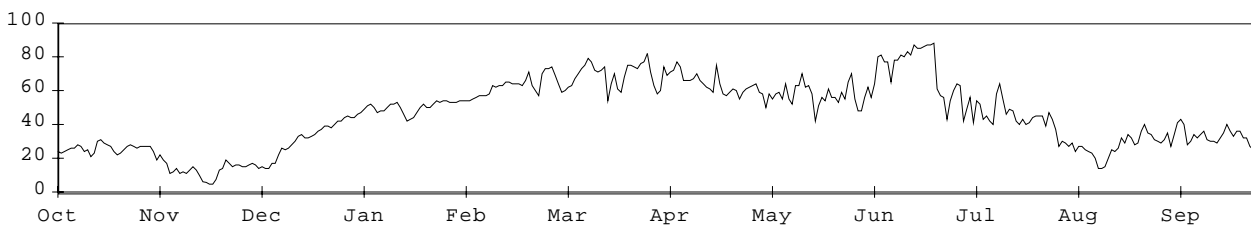
RATING TABLE.--CBPALACO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	22	14	47	54	69	58	64	48	64	27	29
2	23	19	15	49	54	64	60	59	48	63	30	31
3	24	17	14	51	54	59	74	58	56	42	29	35
4	25	11	14	52	55	60	69	50	62	49	27	27
5	26	12	17	50	56	62	71	58	56	56	29	34
6	26	14	17	47	57	63	72	55	64	41	24	41
7	28	11	22	48	57	67	77	58	80	54	27	43
8	27	12	26	48	57	70	74	59	81	52	27	40
9	24	11	25	50	58	73	66	55	77	43	25	28
10	25	13	26	52	63	75	66	64	77	45	24	30
11	21	15	28	52	62	79	66	55	65	42	23	34
12	23	13	30	53	63	77	67	52	78	40	20	32
13	30	9.8	33	50	63	72	70	63	78	58	14	34
14	31	6.1	34	46	65	71	66	63	81	64	14	36
15	29	5.7	32	42	65	72	64	70	80	55	15	31
16	28	4.6	32	43	64	74	62	62	83	46	20	30
17	27	4.6	33	44	64	54	61	63	81	49	25	30
18	24	7.4	34	47	64	64	59	58	87	48	24	29
19	22	13	36	50	63	70	75	42	85	42	26	32
20	23	14	37	52	66	61	64	51	85	40	32	35
21	25	19	39	50	71	59	58	56	86	43	29	40
22	27	17	39	50	63	68	57	54	87	40	34	36
23	28	15	38	52	60	75	59	61	87	41	32	33
24	27	16	40	54	57	75	61	56	88	44	28	36
25	26	16	42	53	70	74	60	56	61	45	29	36
26	27	15	42	54	73	73	55	53	57	45	36	32
27	27	15	44	54	73	76	59	59	56	45	40	32
28	27	16	45	53	74	77	61	55	43	39	35	27
29	27	17	44	53	---	82	62	65	54	47	34	25
30	24	16	44	53	---	71	63	70	60	43	31	25
31	19	---	46	54	---	63	---	55	---	37	30	---
TOTAL	794	397.2	982	1553	1745	2149	1936	1799	2131	1462	840	983
MEAN	25.6	13.2	31.7	50.1	62.3	69.3	64.5	58.0	71.0	47.2	27.1	32.8
AC-FT	1570	788	1950	3080	3460	4260	3840	3570	4230	2900	1670	1950
MAX	31	22	46	54	74	82	77	70	88	64	40	43
MIN	19	4.6	14	42	54	54	55	42	43	37	14	25

CAL YR 1992 TOTAL 10197.2 MEAN 27.9 MAX 54 MIN 4.6 AC-FT 20230
 WTR YR 1993 TOTAL 16771.2 MEAN 45.9 MAX 88 MIN 4.6 AC-FT 33270

MAX DISCH 99 CFS AT 1530 24-JUN-1993 GH 1.76 FT. SHIFT -0.02 FT. MAX GH 1.76 FT. AT 1530 24-JUN-1993



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 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is approximately 8,030 ft. (from topographic map).

REMARKS.--Natural flow affected by Tarbell Ditch Transmountain Diversion and irrigation diversions above the station. Record is complete and reliable except for Nov. 25-Dec. 16, 20-31, 1992; Jan. 1-13, 16-31; Feb. 1-10, 17-Mar. 11, 1993 when the chart clock stopped and there was missing satellite data. Stage-discharge relation ice affected Nov. 4-18, 23, 24; Dec. 17-19, 1992; Jan. 14-15; Feb. 13, 1993. Record good except for periods of ice affect and no gage-height record which are fair. Station maintained and records developed by Div. III staff.

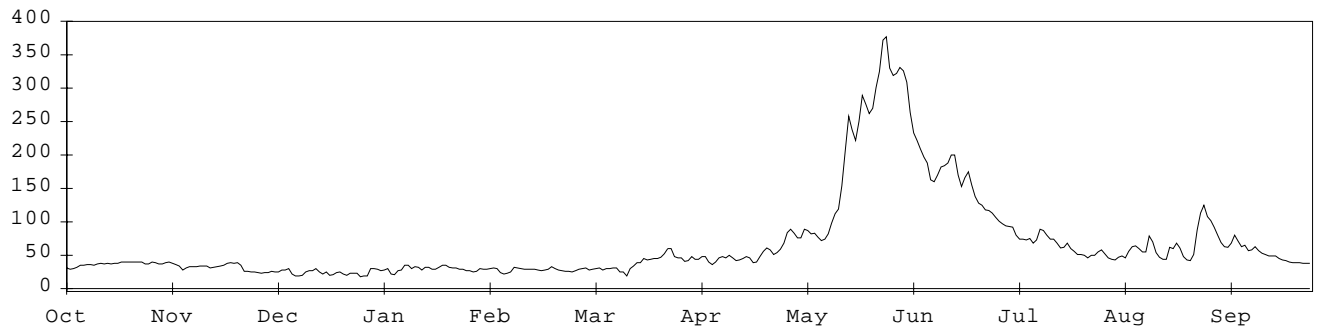
RATING TABLE.--SAGSAGC015 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	38	25	27	29	30	42	89	322	101	52	102
2	29	36	25	28	30	31	48	83	331	97	46	92
3	30	34	28	30	31	28	44	76	326	94	44	80
4	32	28	28	22	30	29	44	76	309	93	43	69
5	35	31	30	21	24	30	48	89	264	92	47	63
6	35	33	22	27	22	31	48	87	233	80	49	62
7	36	33	19	28	23	28	40	82	222	74	46	68
8	36	33	19	35	25	30	36	83	209	74	56	80
9	35	34	20	35	32	30	40	77	197	73	63	71
10	37	34	25	30	31	31	46	72	188	75	64	63
11	38	34	27	33	30	31	48	74	163	68	60	65
12	37	31	27	32	29	25	46	82	160	73	55	57
13	38	32	30	28	29	25	50	98	170	89	55	58
14	37	33	25	32	29	19	46	112	182	87	79	63
15	38	34	22	32	29	30	42	119	184	80	70	57
16	38	35	25	29	28	34	43	154	188	74	54	53
17	40	38	20	29	27	39	45	208	200	74	47	51
18	40	39	21	32	28	39	48	258	200	68	44	49
19	40	38	24	35	29	45	46	238	170	61	44	49
20	40	39	25	35	33	43	39	222	153	62	62	49
21	40	35	22	32	30	44	40	250	166	68	60	45
22	40	26	20	31	28	45	48	289	175	60	68	43
23	40	26	23	31	27	45	56	276	155	56	61	42
24	37	25	23	29	26	47	61	262	138	51	48	40
25	37	25	23	29	26	52	58	270	128	51	43	39
26	40	24	18	27	25	60	51	301	125	50	42	39
27	39	23	19	27	27	60	54	325	118	46	51	39
28	37	24	19	25	29	48	59	372	117	50	88	38
29	37	24	30	26	---	46	68	377	113	50	113	38
30	39	26	30	30	---	46	84	330	107	55	125	38
31	40	---	29	29	---	41	---	319	---	58	108	---
TOTAL	1148	945	743	916	786	1162	1468	5750	5713	2184	1887	1702
MEAN	37.0	31.5	24.0	29.5	28.1	37.5	48.9	185	190	70.5	60.9	56.7
AC-FT	2280	1870	1470	1820	1560	2300	2910	11410	11330	4330	3740	3380
MAX	40	39	30	35	33	60	84	377	331	101	125	102
MIN	29	23	18	21	22	19	36	72	107	46	42	38

CAL YR 1992 TOTAL 18418 MEAN 50.3 MAX 148 MIN 18 AC-FT 36530
WTR YR 1993 TOTAL 24404 MEAN 66.9 MAX 377 MIN 18 AC-FT 48410

MAX DISCH 397 CFS AT 0730 29-MAY-1993 GH 3.41 FT. SHIFT -0.12 FT. MAX GH 3.41 FT. AT 0730 29-MAY-1993



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO

LOCATION.--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

DRAINAGE AREA.--10.7 mi².

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,360 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 3-7, 22, 24-29, 1992 when stage-discharge relation was ice-affected. Nov. 30; Dec. 1-15, 1992 when the float was frozen. Dec. 16, 1992-Mar. 25, 1993 when station was closed for the winter; Mar. 26-29; Apr. 1-15; June 8; July 11-12; Sep. 25-26, 1993 when the pen was not working correctly; July 16-Aug. 4, 1993 when the station was broken into and the recorder was tampered with. Record is good except for periods of no gage-height record and ice affected record which is fair. Station maintained and records developed by Division III Hydrographic staff.

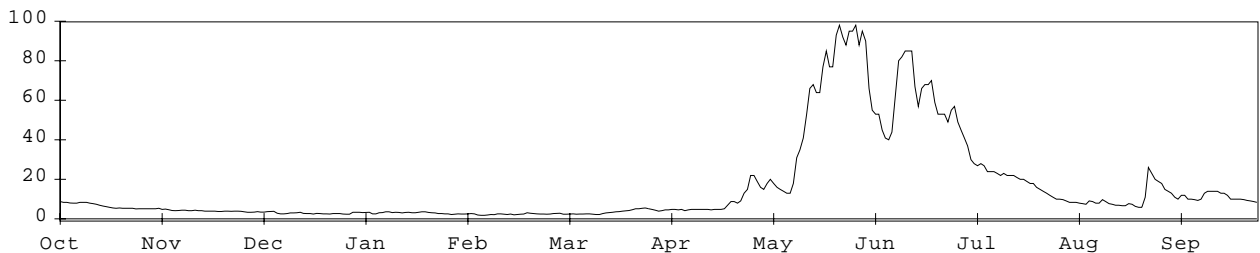
RATING TABLE.--NOCRES009 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	4.8	3.5	3.2	2.5	2.8	4.0	19	88	49	10	18
2	8.4	5.0	3.5	3.3	2.6	2.9	4.2	16	95	45	9.8	15
3	8.4	4.7	3.7	3.4	2.7	2.4	4.6	15	90	41	9.1	14
4	8.1	4.3	3.8	2.6	2.6	2.4	4.6	18	66	37	8.4	13
5	8.0	4.2	3.9	2.6	2.0	2.5	4.8	20	55	30	8.4	11
6	8.0	4.3	2.9	3.1	1.8	2.6	4.8	18	53	28	8.4	10
7	8.4	4.4	2.6	3.2	1.8	2.4	4.6	16	53	27	8.0	12
8	8.4	4.4	2.6	3.6	2.0	2.5	4.8	15	45	28	7.7	12
9	8.4	4.2	2.7	3.6	2.3	2.5	4.2	14	41	27	7.4	10
10	8.0	4.2	3.0	3.2	2.2	2.6	4.6	13	40	24	9.1	10
11	7.7	4.4	3.0	3.4	2.6	2.6	4.8	13	44	24	8.8	9.8
12	7.4	4.2	3.1	3.3	2.6	2.4	4.8	18	62	24	8.0	9.4
13	7.0	4.2	3.4	3.0	2.4	2.3	4.8	31	80	23	8.0	10
14	6.5	4.0	2.8	3.3	2.3	2.3	4.8	35	82	22	9.8	13
15	6.2	4.0	2.7	3.4	2.5	2.7	4.8	41	85	23	8.8	14
16	5.9	4.0	2.7	3.1	2.1	3.0	4.8	53	85	22	7.7	14
17	5.6	4.0	2.5	3.1	2.3	3.2	4.6	66	85	22	7.4	14
18	5.4	3.8	2.8	3.4	2.4	3.4	4.8	68	67	22	7.0	14
19	5.6	3.8	2.7	3.6	2.5	3.6	4.8	64	57	21	7.0	13
20	5.4	4.0	2.6	3.6	3.1	3.7	4.8	64	66	20	6.7	13
21	5.4	4.0	2.6	3.3	2.9	4.0	5.2	77	68	20	6.7	12
22	5.4	3.9	2.5	3.1	2.7	4.1	7.0	85	68	19	7.7	10
23	5.4	4.0	2.7	3.0	2.6	4.3	8.8	77	70	18	7.4	10
24	5.1	4.0	2.7	2.7	2.5	4.7	8.8	77	59	18	6.4	10
25	5.2	3.9	2.7	2.7	2.5	5.2	8.0	93	53	16	5.9	10
26	5.2	3.6	2.5	2.6	2.4	5.2	9.1	98	53	15	5.9	9.8
27	5.2	3.4	2.4	2.6	2.5	5.4	13	92	53	14	11	9.4
28	5.2	3.4	2.4	2.3	2.7	5.6	15	88	49	13	26	9.1
29	5.2	3.5	3.4	2.4	---	5.2	22	95	55	12	23	8.8
30	5.2	3.7	3.4	2.6	---	4.8	22	95	57	11	20	8.4
31	5.4	---	3.4	2.5	---	4.4	---	98	---	10	19	---
TOTAL	203.5	122.3	91.2	94.8	68.1	107.7	211.9	1592	1924	725	304.5	346.7
MEAN	6.56	4.08	2.94	3.06	2.43	3.47	7.06	51.4	64.1	23.4	9.82	11.6
AC-FT	404	243	181	188	135	214	420	3160	3820	1440	604	688
MAX	8.8	5.0	3.9	3.6	3.1	5.6	22	98	95	49	26	18
MIN	5.1	3.4	2.4	2.3	1.8	2.3	4.0	13	40	10	5.9	8.4

CAL YR 1992 TOTAL 7056.0 MEAN 19.3 MAX 127 MIN 1.3 AC-FT 14000
WTR YR 1993 TOTAL 5791.7 MEAN 15.9 MAX 98 MIN 1.8 AC-FT 11490

MAX DISCH 134 CFS AT 0540 27-MAY-1993 GH 2.23 FT. SHIFT -0.02 FT. MAX GH 2.23 FT. AT 0540 27-MAY-1993



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO

LOCATION.--Lat 37°51'35", long 106°19'08", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 6.6 mi. downstream from North Fork.

DRAINAGE AREA.--117 mi².

GAGE.--Water-stage recorder. Datum of gage is 8,150 ft. from topographic map.

REMARKS.--Natural flow of stream affected by diversions above station for irrigation. Record is complete and reliable except for the following periods: Nov. 4-16, 20-Dec. 15, 1992 when the float was frozen. Dec. 16, 1992-Mar. 25, 1993 when the station was closed for the winter. Stage-discharge relation was ice-affected Nov. 3, 17-19, 1992; Mar. 29-Apr. 2, 1993. Record is good except for periods of no gage-height record and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

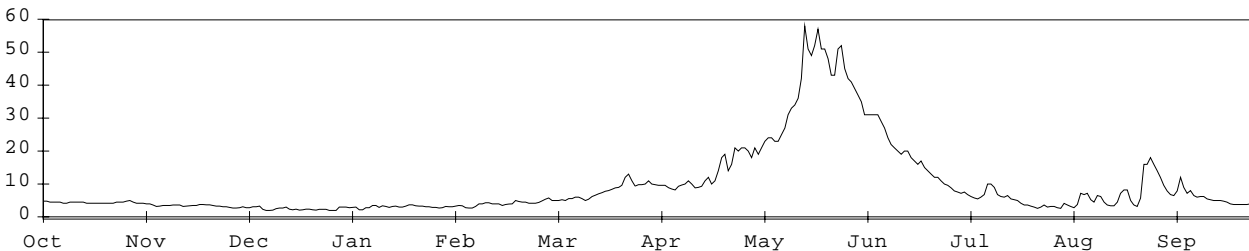
RATING TABLE.--CARLAGC014 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	4.0	2.8	2.8	3.1	5.4	11	20	41	8.8	3.2	14
2	4.8	4.0	2.8	2.9	3.3	5.8	10	18	39	7.9	2.8	12
3	4.5	3.6	3.1	3.0	3.5	5.0	9.8	21	37	7.6	2.6	9.6
4	4.5	3.2	3.1	2.2	3.4	5.0	9.6	19	35	7.2	4.1	7.9
5	4.5	3.3	3.3	2.2	2.8	5.0	9.6	21	31	7.6	3.6	6.8
6	4.5	3.5	2.3	2.8	2.7	5.2	9.6	23	31	6.8	3.2	6.5
7	4.2	3.5	2.0	2.8	2.7	5.0	8.9	24	31	6.2	2.8	7.9
8	4.2	3.5	2.0	3.5	3.2	5.6	8.5	24	31	5.8	3.8	12
9	4.5	3.6	2.1	3.5	4.0	5.6	8.2	23	31	5.5	7.2	9.0
10	4.5	3.6	2.5	2.9	4.0	6.0	9.3	23	29	6.0	6.8	7.2
11	4.5	3.6	2.7	3.4	4.3	6.0	9.7	25	27	6.8	7.2	8.0
12	4.5	3.2	2.7	3.2	4.3	5.6	10	27	24	10	5.2	6.5
13	4.5	3.3	3.0	2.9	4.0	5.0	11	31	22	10	4.5	6.0
14	4.2	3.4	2.4	3.2	4.0	5.4	10	33	21	9.0	6.5	6.2
15	4.2	3.5	2.2	3.3	4.0	6.2	8.8	34	20	6.8	6.2	6.2
16	4.2	3.5	2.4	3.0	3.5	6.6	9.0	36	19	6.2	4.5	5.5
17	4.2	3.8	2.1	3.0	3.8	7.0	9.3	42	20	6.0	3.6	5.2
18	4.2	3.8	2.2	3.3	3.9	7.4	11	58	20	6.5	3.4	5.0
19	4.2	3.7	2.4	3.7	4.0	7.8	12	51	18	5.5	3.4	5.0
20	4.2	3.7	2.4	3.7	5.0	8.0	10	49	17	5.2	4.5	5.0
21	4.2	3.5	2.2	3.4	4.7	8.4	11	52	16	5.0	7.2	4.8
22	4.2	3.3	2.1	3.3	4.5	8.8	14	57	17	4.2	8.2	4.5
23	4.5	3.3	2.3	3.3	4.5	9.0	18	51	15	3.6	8.2	4.0
24	4.5	3.1	2.3	3.1	4.2	9.6	19	51	14	3.6	5.0	3.8
25	4.5	3.1	2.3	3.1	4.2	12	14	48	13	3.3	3.6	3.8
26	4.8	2.9	2.0	2.9	4.2	13	16	43	12	3.0	3.2	3.8
27	5.0	2.7	2.0	2.9	4.4	11	21	43	12	2.6	5.7	3.8
28	4.5	2.7	2.0	2.7	4.9	9.4	20	51	11	3.0	16	3.8
29	4.2	2.8	3.0	2.8	---	9.8	21	52	10	3.6	16	4.0
30	4.2	3.1	3.0	3.2	---	9.8	21	45	9.6	3.0	18	3.8
31	4.2	---	3.0	3.1	---	10	---	42	---	3.2	16	---
TOTAL	136.7	101.8	76.7	95.1	109.1	229.4	370.3	1137	673.6	179.5	196.2	191.6
MEAN	4.41	3.39	2.47	3.07	3.90	7.40	12.3	36.7	22.5	5.79	6.33	6.39
AC-FT	271	202	152	189	216	455	734	2260	1340	356	389	380
MAX	5.0	4.0	3.3	3.7	5.0	13	21	58	41	10	18	14
MIN	4.2	2.7	2.0	2.2	2.7	5.0	8.2	18	9.6	2.6	2.6	3.8

CAL YR 1992 TOTAL 2786.82 MEAN 7.61 MAX 38 MIN 0.94 AC-FT 5530
WTR YR 1993 TOTAL 3497.0 MEAN 9.58 MAX 58 MIN 2.0 AC-FT 6940

MAX DISCH 68 CFS AT 1230 18-MAY-1993 GH 2.83 FT. SHIFT -0.10 FT. MAX GH 2.83 FT. AT 1230 18-MAY-1993



RIO GRANDE BASIN
CLOSED BASIN IN SAN LUIS VALLEY,
08231000 LA GARITA CREEK NEAR LA GARITA, CO

LOCATION.--Lat 37°48'48", long 106°19'04", in NW¼SE¼ sec.9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 4.5 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

DRAINAGE AREA.--61 mi².

GAGE.--Graphic water-stage recorder. Altitude of gage is 8,030 ft from topographic map.

REMARKS.--Diversions above station for irrigation. Record is complete and reliable except for the following periods: Nov. 25-Dec. 15, 1992 when the float was frozen. Dec. 16, 1992-Mar. 25, 1993 when the station was closed for the winter. Stage-discharge relation was ice affected Nov. 3-24, 1992. Record is good except for periods of no gage-height and ice-affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

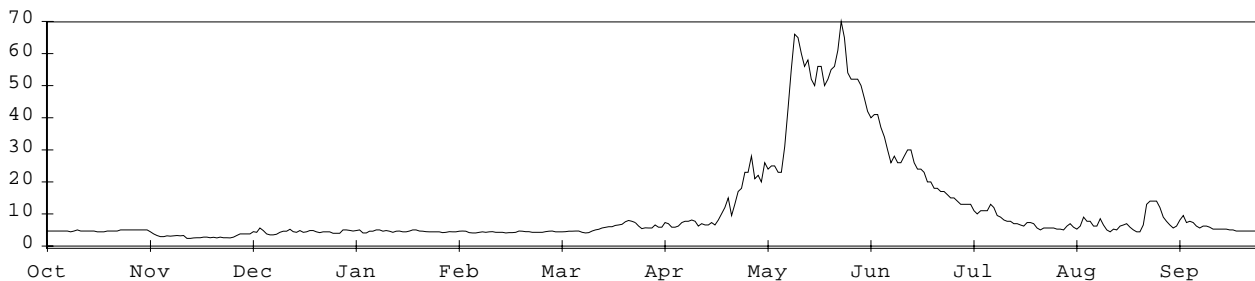
RATING TABLE.--LAGLAGCO12 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	4.4	3.8	4.7	4.4	4.6	5.6	28	52	15	5.3	12
2	4.7	3.8	4.5	4.8	4.6	4.7	6.6	21	52	14	5.3	9.0
3	4.7	3.3	4.3	5.0	4.7	4.4	5.9	22	50	13	5.0	7.7
4	4.7	2.9	5.6	4.1	4.6	4.4	5.9	20	46	13	6.2	6.6
5	4.7	2.9	4.8	4.1	4.2	4.4	7.3	26	42	13	7.0	5.6
6	4.7	3.2	3.8	4.6	4.1	4.5	7.0	24	40	13	5.9	6.2
7	4.7	3.1	3.5	4.6	4.1	4.6	5.9	25	41	11	5.3	8.1
8	4.4	3.2	3.5	5.0	4.3	4.6	5.9	25	41	10	6.2	9.5
9	4.7	3.3	3.7	5.0	4.4	4.7	6.2	23	37	11	9.0	7.3
10	5.0	3.2	4.3	4.6	4.3	4.7	7.3	23	34	11	7.7	7.7
11	4.7	3.3	4.6	4.8	4.4	4.3	7.7	31	30	11	7.7	7.3
12	4.7	2.4	4.6	4.6	4.5	4.1	7.7	43	26	13	6.2	6.2
13	4.7	2.4	5.2	4.3	4.3	4.2	8.1	55	28	12	6.2	5.6
14	4.7	2.5	4.5	4.6	4.3	4.7	7.7	66	26	9.5	8.5	6.2
15	4.7	2.6	4.3	4.7	4.3	5.0	6.2	65	26	9.0	6.6	6.2
16	4.4	2.6	4.8	4.4	4.1	5.2	7.0	60	28	8.1	5.0	5.9
17	4.4	2.8	4.3	4.4	4.2	5.6	6.6	56	30	7.7	4.4	5.3
18	4.4	2.8	4.4	4.7	4.2	5.8	6.6	58	30	7.7	5.3	5.3
19	4.7	2.6	4.8	5.0	4.3	6.0	7.3	52	26	7.0	5.0	5.3
20	4.7	2.7	4.8	5.0	4.7	6.0	6.6	50	24	7.0	6.2	5.3
21	4.7	2.5	4.4	4.7	4.6	6.4	8.1	56	24	6.6	6.6	5.3
22	4.7	2.8	4.2	4.6	4.5	6.6	10	56	23	6.2	7.0	5.0
23	5.0	2.6	4.4	4.5	4.5	6.8	12	50	20	7.3	5.9	5.0
24	5.0	2.6	4.4	4.4	4.3	7.6	15	52	20	7.3	5.0	4.7
25	5.0	2.5	4.4	4.4	4.3	8.0	9.5	55	18	7.0	4.4	4.7
26	5.0	2.8	4.0	4.4	4.3	7.7	13	56	18	5.6	4.4	4.7
27	5.0	3.3	4.0	4.4	4.3	7.3	17	61	17	5.0	6.6	4.7
28	5.0	3.8	4.0	4.2	4.5	6.2	18	70	17	5.6	13	4.7
29	5.0	3.8	5.0	4.3	---	5.4	23	65	16	5.6	14	4.7
30	5.0	3.8	5.0	4.5	---	5.7	23	54	15	5.6	14	4.7
31	5.0	---	4.9	4.4	---	5.6	---	52	---	5.6	14	---
TOTAL	147.5	90.5	136.8	141.8	122.3	169.8	283.7	1400	897	283.4	218.9	186.5
MEAN	4.76	3.02	4.41	4.57	4.37	5.48	9.46	45.2	29.9	9.14	7.06	6.22
AC-FT	293	180	271	281	243	337	563	2780	1780	562	434	370
MAX	5.0	4.4	5.6	5.0	4.7	8.0	23	70	52	15	14	12
MIN	4.4	2.4	3.5	4.1	4.1	4.1	5.6	20	15	5.0	4.4	4.7

CAL YR 1992 TOTAL 3684.8 MEAN 10.1 MAX 50 MIN 2.4 AC-FT 7310
WTR YR 1993 TOTAL 4078.2 MEAN 11.2 MAX 70 MIN 2.4 AC-FT 8090

MAX DISCH 99 CFS AT 0030 14-MAY-1993 GH 2.90 FT. SHIFT 0.09 FT. MAX GH 2.90 FT. AT 0030 14-MAY-1993



RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO

LOCATION.--Lat 37°22'29", long 106°20'03", in NW¼NE¼ sec. 17, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13100002, on left bank 0.8 mi upstream from high-water line of Terrace Reservoir at elevation 8,568 ft., 3.0 mi. downstream from French Creek, and 15 mi. northwest of Capulin.

DRAINAGE AREA.--107 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,600 ft., from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 21-Dec. 15, 1992 when the clock stopped and the satellite data was incomplete. Dec. 16, 1992-Mar. 26, 1993 when the station was closed for the winter. Stage-discharge relation was ice affected Nov. 3-10, 12-16, 1992. Record is good except for periods of no gage-height record and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

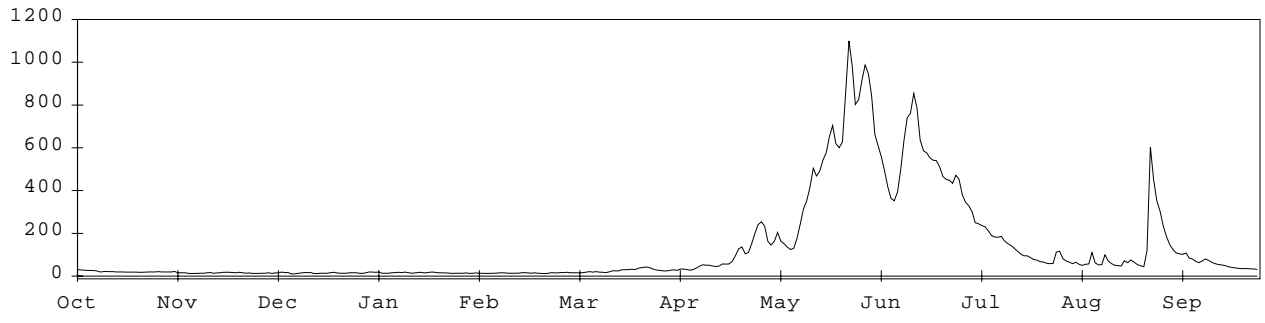
RATING TABLE.--ALATERCO14 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	15	15	18	15	18	25	234	987	379	82	235
2	29	16	16	19	13	16	28	163	947	345	71	184
3	28	16	19	14	14	16	29	145	848	329	65	147
4	27	14	17	14	13	16	27	163	662	300	58	124
5	26	12	17	14	13	15	33	204	610	250	65	109
6	26	13	11	16	14	17	33	164	559	245	55	104
7	24	13	11	17	14	19	31	151	494	236	50	102
8	20	14	13	18	15	21	28	136	417	231	55	108
9	21	14	15	17	16	19	31	124	363	212	57	84
10	22	16	17	19	15	21	38	130	353	190	110	80
11	21	17	17	17	14	19	47	176	394	183	62	69
12	21	14	17	14	14	18	53	245	502	182	52	63
13	20	15	12	15	14	17	51	315	635	186	54	71
14	20	16	12	17	14	20	51	352	740	165	100	80
15	20	18	14	18	16	25	47	418	761	152	71	73
16	19	18	14	15	17	25	45	504	854	143	58	64
17	19	18	14	17	15	25	47	468	788	130	51	58
18	19	17	16	19	14	30	57	490	637	117	49	54
19	19	16	18	19	16	30	56	544	586	104	47	52
20	18	18	15	16	14	31	57	577	576	95	72	49
21	18	16	14	16	13	32	69	653	553	95	63	44
22	19	14	14	15	12	31	97	704	542	87	76	41
23	20	15	14	15	13	37	128	620	540	78	65	39
24	20	13	16	14	16	40	136	601	511	75	54	37
25	20	13	16	13	16	42	104	627	466	67	48	35
26	21	13	16	14	15	42	111	853	453	66	44	35
27	20	14	14	14	17	37	152	1100	448	60	120	35
28	20	14	13	14	17	31	199	985	434	58	604	34
29	20	16	16	15	---	28	241	803	471	59	452	34
30	20	13	20	13	---	26	254	826	453	112	353	31
31	22	---	19	14	---	24	---	911	---	117	302	---
TOTAL	669	451	472	490	409	788	2305	14386	17584	5048	3465	2275
MEAN	21.6	15.0	15.2	15.8	14.6	25.4	76.8	464	586	163	112	75.8
AC-FT	1330	895	936	972	811	1560	4570	28530	34880	10010	6870	4510
MAX	30	18	20	19	17	42	254	1100	987	379	604	235
MIN	18	12	11	13	12	15	25	124	353	58	44	31

CAL YR 1992 TOTAL	32287	MEAN	88.2	MAX	525	MIN	10	AC-FT	64040
WTR YR 1993 TOTAL	48342	MEAN	132	MAX	1100	MIN	11	AC-FT	95890

MAX DISCH 1370 CFS AT 2015 27-MAY-1993 GH 3.37 FT. SHIFT 0.03 FT. MAX GH 3.37 FT. AT 2015 27-MAY-1993



RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO

LOCATION.--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec.23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

DRAINAGE AREA.--116 mi².

GAGE.--Water-stage recorder with satellite telemetry. Altitude of gage is 8,375 ft, from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Jan. 8, 10-11, 1993 when the clock stopped and the satellite record was incomplete. Record is good except for periods of no gage-height record which are fair. Station maintained and records developed by Division III Hydrographic staff.

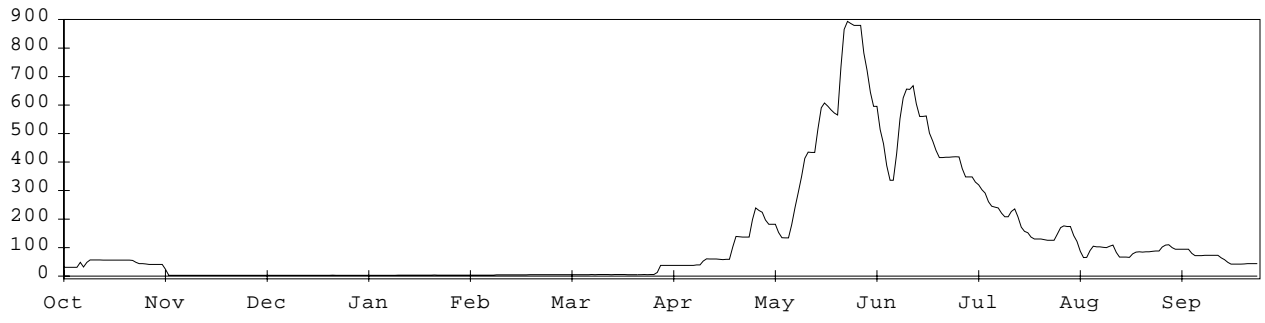
RATING TABLE.--ALABELCO12 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	24	2.9	3.1	3.7	5.2	38	230	879	418	170	102
2	31	3.1	2.9	3.1	3.7	5.2	38	224	782	377	176	109
3	31	3.1	2.9	3.1	3.7	5.2	38	197	722	348	174	110
4	31	3.1	3.0	3.1	3.7	5.2	38	182	645	348	174	100
5	31	2.9	3.1	3.1	3.7	5.2	38	182	595	348	142	94
6	48	2.9	3.1	3.1	3.7	5.2	38	182	595	330	122	94
7	32	2.9	3.1	3.1	3.7	5.2	38	153	514	320	87	94
8	48	2.9	2.9	3.1	3.7	5.2	38	135	464	303	65	94
9	57	2.9	3.1	3.1	3.8	5.4	38	134	388	291	66	94
10	57	2.9	3.1	3.1	4.3	5.4	38	134	336	261	90	80
11	57	2.9	3.1	3.5	4.3	5.5	38	180	336	245	105	72
12	57	2.7	3.1	3.5	4.3	5.4	39	241	429	242	103	72
13	56	2.7	3.1	3.5	4.3	5.5	39	293	552	239	103	72
14	56	2.7	3.1	3.5	4.3	5.6	53	350	625	221	101	73
15	56	2.9	3.1	3.5	4.3	5.5	61	413	656	208	100	73
16	56	2.9	3.1	3.5	4.5	5.5	60	435	655	208	105	73
17	56	2.9	3.1	3.5	4.3	5.4	60	434	668	227	109	73
18	56	2.8	3.1	3.5	4.3	5.5	60	434	604	236	83	73
19	56	2.9	3.1	3.5	4.7	5.5	59	516	560	208	67	64
20	56	2.9	3.1	3.5	4.8	5.5	58	590	560	172	67	58
21	56	2.9	3.1	3.5	4.8	5.6	59	607	562	157	67	48
22	55	2.9	3.2	3.9	4.8	5.2	59	596	502	152	66	42
23	48	2.9	3.1	3.7	4.8	5.2	103	583	473	137	78	42
24	44	2.9	3.1	3.7	4.8	5.4	139	572	441	130	84	42
25	44	2.9	3.1	3.7	4.8	5.4	138	565	416	130	85	42
26	43	2.9	3.1	3.7	4.8	5.2	137	734	416	130	84	43
27	41	2.9	3.1	3.7	4.8	5.5	137	865	417	128	85	44
28	41	2.9	3.1	3.7	4.8	5.4	137	893	417	126	85	44
29	41	2.9	3.1	3.7	---	5.5	198	886	418	126	87	44
30	41	2.9	3.1	3.7	---	5.5	239	879	419	126	88	44
31	41	---	3.1	3.7	---	13	---	879	---	147	88	---
TOTAL	1454	108.0	95.3	106.7	120.2	174.2	2253	13698	16046	7039	3106	2109
MEAN	46.9	3.60	3.07	3.44	4.29	5.62	75.1	442	535	227	100	70.3
AC-FT	2880	214	189	212	238	346	4470	27170	31830	13960	6160	4180
MAX	57	24	3.2	3.9	4.8	13	239	893	879	418	176	110
MIN	31	2.7	2.9	3.1	3.7	5.2	38	134	336	126	65	42

CAL YR 1992 TOTAL 32634.1 MEAN 89.2 MAX 470 MIN 1.9 AC-FT 64730
WTR YR 1993 TOTAL 46309.4 MEAN 127 MAX 893 MIN 2.7 AC-FT 91850

MAX DISCH 900 CFS AT 1200 27-MAY-1993 GH 5.03 FT. SHIFT -0.03 FT. MAX GH 5.03 FT. AT 1200
27-MAY-1993



RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO

LOCATION.--Lat 37°12'32", long 106°11'16", in NE¼ sec.10, T.34 N., R.7 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.7 mi. downstream from Canyon Del Rancho, 7 mi. southwest of Capulin, and 16.5 mi. downstream from La Jara Reservoir.

DRAINAGE AREA.--98 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,130 ft from topographic map.

REMARKS.--Flow regulated by La Jara Reservoir. Small diversions above station for irrigation. Record is complete and reliable except for the following periods: Nov. 6, 12-14, 1992 when the well was frozen; Nov. 19, 1992-Mar. 26, 1993 when the station was closed for the winter. Stage-discharge relation was affected by ice on Nov. 3-5, 7-11, 15-18, 1992; Mar. 30-31, 1993. Record is good except for periods of no gage-height record, ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

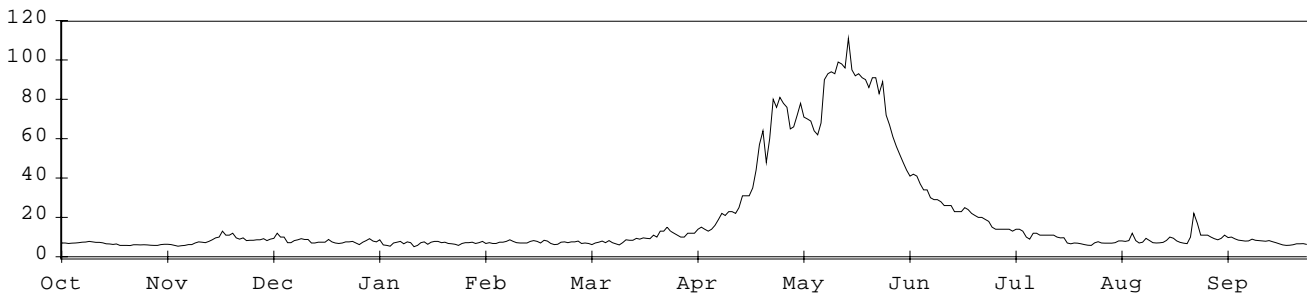
RATING TABLE.--LAJCAPCO16 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	6.4	9.0	7.6	7.8	8.0	10	76	61	14	7.0	11
2	7.0	6.2	9.4	8.6	6.8	6.8	12	65	56	14	6.9	10
3	6.8	5.8	12	6.0	7.2	7.0	12	66	52	14	6.9	9.2
4	6.9	5.4	10	5.8	6.8	6.8	12	72	48	14	6.9	8.6
5	7.0	5.6	10	5.4	6.8	6.2	14	78	44	14	7.2	9.4
6	7.2	5.8	7.2	7.0	7.4	7.0	15	71	41	13	8.1	11
7	7.4	6.2	7.2	7.4	7.4	7.4	14	70	42	14	8.1	9.8
8	7.5	6.2	8.2	7.8	7.8	8.0	13	69	41	14	7.8	10
9	7.8	7.0	8.6	6.6	8.6	7.2	14	64	37	13	8.2	9.1
10	7.6	7.6	9.2	7.6	7.8	8.2	16	62	34	10	12	8.5
11	7.3	7.4	8.8	7.2	7.2	7.2	19	68	34	9.0	8.2	8.2
12	7.3	7.2	8.8	5.2	7.0	6.6	22	90	30	12	7.0	8.0
13	7.1	7.8	7.0	5.8	7.0	6.0	21	93	29	12	7.4	8.1
14	6.6	8.6	7.0	7.2	7.0	7.2	23	94	29	11	9.4	9.0
15	6.5	9.6	7.4	7.6	7.8	8.6	23	93	28	11	8.3	8.4
16	6.3	10	7.4	6.4	8.2	8.4	22	99	26	11	7.2	8.2
17	6.5	13	7.4	7.4	7.8	8.4	25	98	26	11	7.0	8.1
18	5.8	11	8.8	7.8	7.0	9.4	31	96	26	11	7.1	7.9
19	5.8	11	7.6	7.8	8.4	9.0	31	111	23	10	7.3	8.2
20	5.8	12	7.0	7.2	8.0	9.6	31	95	23	9.6	8.3	7.7
21	5.7	9.6	6.8	7.4	6.8	9.4	35	92	23	9.7	10	7.2
22	6.1	9.0	7.0	6.8	6.2	9.2	44	93	25	7.0	9.5	6.6
23	6.1	9.6	7.6	6.6	6.4	11	57	91	24	6.6	8.1	6.0
24	6.0	8.2	7.6	6.4	7.4	10	64	90	22	7.0	7.3	5.8
25	6.1	8.4	7.8	5.8	7.6	13	48	86	21	6.9	6.9	5.9
26	6.0	8.4	7.0	6.8	7.2	13	60	91	20	6.6	6.7	6.1
27	5.9	8.6	6.2	7.2	7.6	15	80	91	20	6.2	10	6.6
28	5.8	8.6	7.4	7.2	7.6	13	76	83	19	5.9	22	6.6
29	5.8	9.2	8.2	7.4	---	12	81	89	18	5.8	17	6.7
30	6.2	8.2	9.2	6.8	---	11	78	72	15	7.1	11	6.3
31	6.4	---	8.0	7.2	---	10	---	67	---	7.7	11	---
TOTAL	203.3	247.6	250.8	215.0	206.6	279.6	1003	2575	937	318.1	275.8	242.2
MEAN	6.56	8.25	8.09	6.94	7.38	9.02	33.4	83.1	31.2	10.3	8.90	8.07
AC-FT	403	491	497	426	410	555	1990	5110	1860	631	547	480
MAX	7.8	13	12	8.6	8.6	15	81	111	61	14	22	11
MIN	5.7	5.4	6.2	5.2	6.2	6.0	10	62	15	5.8	6.7	5.8

CAL YR 1992 TOTAL 5503.5 MEAN 15.0 MAX 70 MIN 5.2 AC-FT 10920
WTR YR 1993 TOTAL 6754.0 MEAN 18.5 MAX 111 MIN 5.2 AC-FT 13400

MAX DISCH 127 CFS AT 0700 19-MAY-1993 GH 3.66 FT. SHIFT -0.22 FT. MAX GH 3.68 FT. AT 2000 06-NOV-1992



RIO GRANDE BASIN

SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES, CO

LOCATION.--Lat 37°17'54", long 105°51'00, SW¼SW¼ sec.2, T.35 N., R.10 E., Conejos County, Hydrologic Unit 13100002, on right bank of ditch.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder and a 3' Parshall Flume.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 11-12; Dec. 6-16, 1992 when the float was frozen; Dec. 17, 1992-Mar. 17, 1993 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 29; Dec. 1, 1992. The Parshall Flume was submerged Jun. 20-Sep. 9, 1993. Record is good except for periods of no gage-height record, submerged record, and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

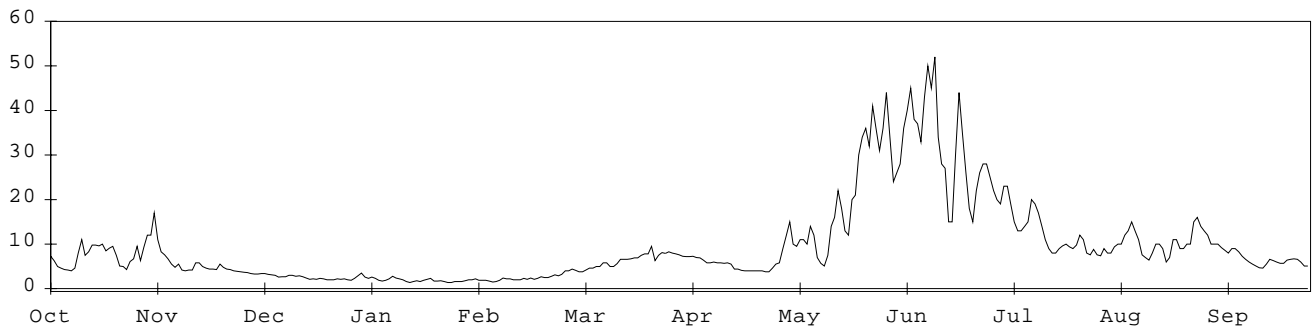
RATING TABLE.--NORDSCCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	11	3.4	2.3	2.2	4.4	7.6	9.0	34	22	7.4	12
2	6.3	8.3	3.4	2.6	1.9	4.1	7.3	12	24	20	9.0	10
3	5.0	7.6	3.2	2.3	1.9	3.8	7.2	15	26	19	8.0	10
4	4.6	6.7	3.1	1.9	1.9	3.8	7.2	10	28	23	8.0	10
5	4.3	5.5	3.0	1.7	1.7	4.2	7.3	9.5	36	23	9.4	9.2
6	4.2	4.8	2.6	1.9	1.5	4.6	7.0	11	40	19	10	8.6
7	4.0	5.5	2.7	2.2	1.6	4.6	6.9	11	45	15	10	8.0
8	4.6	4.2	2.7	2.8	1.9	5.0	6.4	10	38	13	12	9.0
9	8.0	4.0	3.0	2.4	2.4	5.0	5.8	14	37	13	13	9.0
10	11	4.2	3.0	2.2	2.2	5.8	5.8	12	33	14	15	8.3
11	7.5	4.2	2.8	2.0	2.2	5.8	6.0	7.0	43	15	13	7.3
12	8.3	5.8	2.9	1.6	2.0	5.0	5.8	5.7	50	20	11	6.6
13	9.8	5.8	2.7	1.4	2.0	5.0	5.8	5.1	45	19	7.6	6.0
14	9.8	5.0	2.4	1.6	2.0	5.6	5.7	7.5	52	17	7.0	5.5
15	9.6	4.6	2.1	1.8	2.3	6.6	5.8	14	34	14	6.4	5.1
16	10	4.4	2.2	1.6	2.1	6.6	5.5	16	28	11	8.0	4.7
17	8.5	4.4	2.1	1.9	2.4	6.6	4.4	22	27	9.0	10	4.6
18	9.1	4.3	2.3	2.1	2.1	6.7	4.4	18	15	8.0	10	5.5
19	9.5	5.5	2.2	2.3	2.3	6.9	4.1	13	15	8.0	9.0	6.6
20	7.5	4.8	2.0	1.7	2.7	6.9	4.0	12	30	9.0	6.0	6.3
21	5.1	4.4	2.0	1.7	2.5	7.5	4.0	20	44	9.6	7.0	6.0
22	5.0	4.3	2.0	1.8	2.5	7.8	4.0	21	35	10	11	5.7
23	4.3	4.0	2.2	1.6	2.8	7.8	4.0	30	26	9.4	11	5.7
24	6.1	3.9	2.1	1.4	3.1	9.5	4.0	34	18	9.0	9.0	6.4
25	6.7	3.8	2.2	1.4	2.9	6.3	4.0	36	15	9.8	9.0	6.6
26	9.5	3.7	2.0	1.6	3.2	7.5	3.8	32	22	12	10	6.7
27	6.3	3.6	1.9	1.6	4.0	8.1	3.8	41	26	11	10	6.6
28	9.3	3.4	2.3	1.6	4.0	7.9	4.6	36	28	8.0	15	6.0
29	12	3.3	2.9	1.8	---	8.3	5.5	31	28	7.6	16	5.1
30	12	3.3	3.5	2.0	---	8.0	5.8	36	25	8.8	14	5.1
31	17	---	2.6	2.0	---	7.8	---	44	---	7.6	13	---
TOTAL	242.2	148.3	79.5	58.8	66.3	193.5	163.5	594.8	947	413.8	314.8	212.2
MEAN	7.81	4.94	2.56	1.90	2.37	6.24	5.45	19.2	31.6	13.3	10.2	7.07
AC-FT	480	294	158	117	132	384	324	1180	1880	821	624	421
MAX	17	11	3.5	2.8	4.0	9.5	7.6	44	52	23	16	12
MIN	4.0	3.3	1.9	1.4	1.5	3.8	3.8	5.1	15	7.6	6.0	4.6

CAL YR 1992 TOTAL 2984.7 MEAN 8.15 MAX 54 MIN 1.1 AC-FT 5920
WTR YR 1993 TOTAL 3434.7 MEAN 9.41 MAX 52 MIN 1.4 AC-FT 6810

MAX DISCH 58 CFS AT 0945 14-JUN-1993 GH 2.71 FT. SHIFT 0.02 FT. MAX GH 2.71 FT. AT 0945
14-JUN-1993



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 installed Mar. 25, 1993 at an 8' Parshall Flume.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 1-19, 24, 31; Nov. 1-12, 1992 when the pen stopped inking; Nov. 13, 1992-Mar. 17, 1993 when the station was closed for the winter. Record is good except for periods of no gage-height record which are fair. Station maintained and records developed by Division III Hydrographic staff.

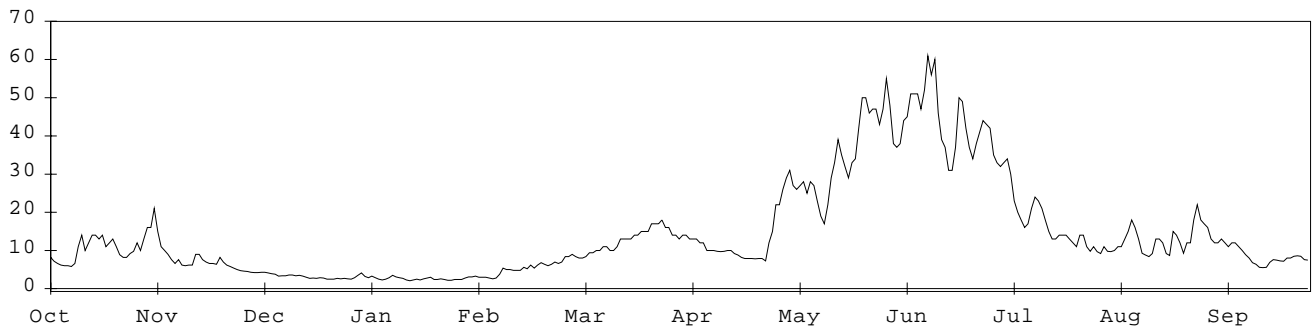
RATING TABLE.--NORDLS002 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	15	4.3	2.9	3.3	9.0	13	26	48	35	9.2	16
2	7.2	11	4.3	3.3	3.0	8.4	14	29	38	33	11	13
3	6.6	10	4.1	2.9	3.0	8.0	14	31	37	32	9.8	12
4	6.2	9.0	3.9	2.5	3.0	8.0	13	27	38	33	9.7	12
5	6.0	7.6	3.8	2.3	2.8	8.4	13	26	44	34	10	13
6	6.0	6.6	3.3	2.5	2.6	9.4	13	27	45	30	11	12
7	5.8	7.6	3.4	2.9	2.8	9.4	12	28	51	23	11	11
8	6.6	6.2	3.4	3.5	3.8	10	12	25	51	20	13	12
9	11	6.0	3.6	3.1	5.4	10	10	28	51	18	15	12
10	14	6.2	3.6	2.9	5.0	11	10	27	47	16	18	11
11	10	6.2	3.4	2.7	5.0	11	10	23	52	17	16	10
12	12	9.0	3.5	2.3	4.8	10	9.8	19	61	21	13	8.9
13	14	9.0	3.3	2.1	4.8	10	9.7	17	56	24	9.3	8.0
14	14	7.6	3.0	2.3	4.8	11	9.8	22	60	23	8.8	6.8
15	13	7.0	2.7	2.5	5.6	13	10	29	46	21	8.4	6.4
16	14	6.6	2.8	2.3	5.2	13	10	33	39	18	9.2	5.6
17	11	6.6	2.7	2.6	6.2	13	9.2	39	37	15	13	5.5
18	12	6.4	2.9	2.8	5.4	13	8.8	35	31	13	13	5.6
19	13	8.2	2.8	3.0	6.2	14	8.2	32	31	13	12	6.9
20	11	7.0	2.5	2.4	6.8	14	7.9	29	37	14	9.2	7.6
21	8.9	6.2	2.5	2.4	6.4	15	7.9	33	50	14	8.7	7.5
22	8.2	5.8	2.5	2.6	6.0	15	7.9	34	49	14	15	7.3
23	8.2	5.4	2.7	2.4	6.4	15	7.8	42	42	13	14	7.2
24	9.2	5.0	2.6	2.2	7.0	17	7.9	50	37	12	12	8.0
25	9.8	4.7	2.7	2.2	6.6	17	7.9	50	34	11	9.3	8.0
26	12	4.6	2.6	2.4	7.0	17	7.3	46	38	14	12	8.5
27	10	4.5	2.5	2.4	8.4	18	12	47	41	14	12	8.6
28	13	4.3	2.9	2.4	8.4	16	15	47	44	11	18	8.5
29	16	4.2	3.5	2.8	---	16	22	43	43	9.8	22	7.6
30	16	4.2	4.1	3.1	---	14	22	47	42	11	18	7.5
31	21	---	3.2	3.1	---	14	---	55	---	9.7	17	---
TOTAL	333.9	207.7	99.1	81.8	145.7	387.6	335.1	1046	1320	586.5	387.6	274.0
MEAN	10.8	6.92	3.20	2.64	5.20	12.5	11.2	33.7	44.0	18.9	12.5	9.13
AC-FT	662	412	197	162	289	769	665	2070	2620	1160	769	543
MAX	21	15	4.3	3.5	8.4	18	22	55	61	35	22	16
MIN	5.8	4.2	2.5	2.1	2.6	8.0	7.3	17	31	9.7	8.4	5.5

CAL YR 1992 TOTAL 5139.3 MEAN 14.0 MAX 74 MIN 2.0 AC-FT 10190
WTR YR 1993 TOTAL 5205.0 MEAN 14.3 MAX 61 MIN 2.1 AC-FT 10320

MAX DISCH 65 CFS AT 1945 12-JUN-1993 GH 1.59 FT. SHIFT -0.04 FT. MAX GH 1.59 FT. AT 1945
12-JUN-1993



RIO GRANDE BASIN

08240000 RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK, NEAR LASAUSES, CO

LOCATION.--Lat 37°18'58", long 105°44'32", in sec.35, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank 0.2 mi upstream from Trinchera Creek, 3.2 mi north of Lasasuses, and 13 mi southeast of Alamosa.

DRAINAGE AREA.--5,740 mi²., approximately, includes 2,940 mi². 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.

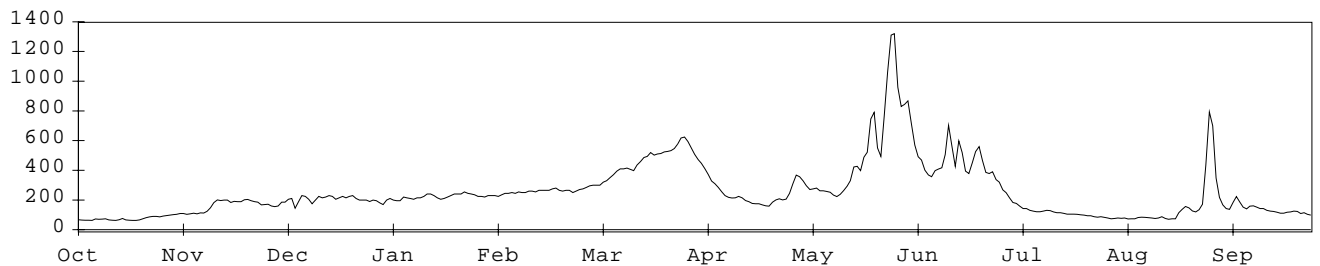
REMARKS.--Natural flow of stream affected by transmountain diversions, storage reservoirs, ground-water withdrawals and diversions for irrigation. Record is complete and reliable except for Dec. 4-17, 1992 when the clock stopped and the shaft encoder tape was off the wheel; Dec. 25, 1992-Jan. 19, 1993 when the well was frozen; Jan. 20-Mar. 12, 1993 when the station was closed for the winter. Stage-discharge relation affected by ice Nov. 27-30, and Dec. 1-3, 18-24, 1992. Record is good except for periods of no gage-height record and ice affected record which are fair. Station maintained and records developed by Div. III staff.

RATING TABLE.--RIOTRICO11 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	109	185	210	230	295	508	368	830	269	78	699
2	65	103	205	200	225	300	472	357	844	249	73	349
3	64	107	210	195	235	300	448	329	867	215	76	218
4	64	111	145	195	245	300	411	297	719	184	78	167
5	63	107	190	220	245	320	372	270	570	177	77	143
6	72	113	230	215	250	330	328	275	492	159	79	137
7	70	112	225	210	245	350	309	280	469	142	72	183
8	71	124	205	205	255	370	284	262	401	142	73	223
9	73	148	175	215	250	395	255	262	369	130	74	187
10	66	182	200	215	250	410	229	258	357	125	82	152
11	64	201	225	225	260	410	218	252	397	121	85	140
12	63	196	215	240	260	415	213	233	408	121	83	159
13	67	199	220	240	255	407	215	223	417	125	81	161
14	75	199	230	230	265	398	225	238	506	131	79	152
15	66	183	225	215	265	435	215	263	702	128	76	142
16	64	191	205	205	265	459	196	294	563	120	78	143
17	63	189	215	210	265	486	189	330	427	114	87	131
18	63	188	225	220	275	493	177	422	598	115	76	125
19	66	202	215	230	280	520	174	427	520	110	70	123
20	74	204	225	240	265	502	175	397	394	105	73	117
21	81	195	230	240	260	510	167	488	379	105	74	111
22	86	189	210	240	265	513	161	522	453	105	114	111
23	90	186	200	255	265	524	158	746	526	104	137	118
24	89	167	200	245	250	527	185	790	559	101	156	120
25	86	169	200	240	260	533	201	551	466	98	147	125
26	92	171	190	235	270	547	208	494	386	94	126	123
27	95	160	200	225	275	576	201	766	378	94	120	109
28	98	155	195	225	285	617	206	1060	390	87	135	114
29	102	160	180	220	---	624	245	1310	337	84	171	103
30	104	185	170	230	---	594	309	1320	320	88	435	98
31	109	---	200	230	---	551	---	959	---	83	793	---
TOTAL	2372	4905	6345	6920	7215	14011	7654	15043	15044	4025	3958	4983
MEAN	76.5	164	205	223	258	452	255	485	501	130	128	166
AC-FT	4700	9730	12590	13730	14310	27790	15180	29840	29840	7980	7850	9880
MAX	109	204	230	255	285	624	508	1320	867	269	793	699
MIN	63	103	145	195	225	295	158	223	320	83	70	98

CAL YR 1992 TOTAL 81003 MEAN 221 MAX 910 MIN 39 AC-FT 160700
 WTR YR 1993 TOTAL 92475 MEAN 253 MAX 1320 MIN 63 AC-FT 183400
 MAX DISCH 1410 CFS AT 0400 30-MAY-1993 GH 5.79 FT. SHIFT -0.54 FT. MAX GH 5.79 FT. AT 0400 30-MAY-1993



RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO

LOCATION.--Lat 37°22'29", long 105°17'40", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

DRAINAGE AREA.--45 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,520 ft, from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Dec. 21-28, 1992 when the float was frozen. Stage-discharge relation was ice affected Dec. 7, 15, 20, 29-30, 1992; Jan. 4-7, 12-18, 22-31; Feb. 1, 3-7, 13-16, 18, 21-25; Mar. 2-6, 12-14, 1993. Record is good except for periods of no gage-height record and periods when stage-discharge relation was affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

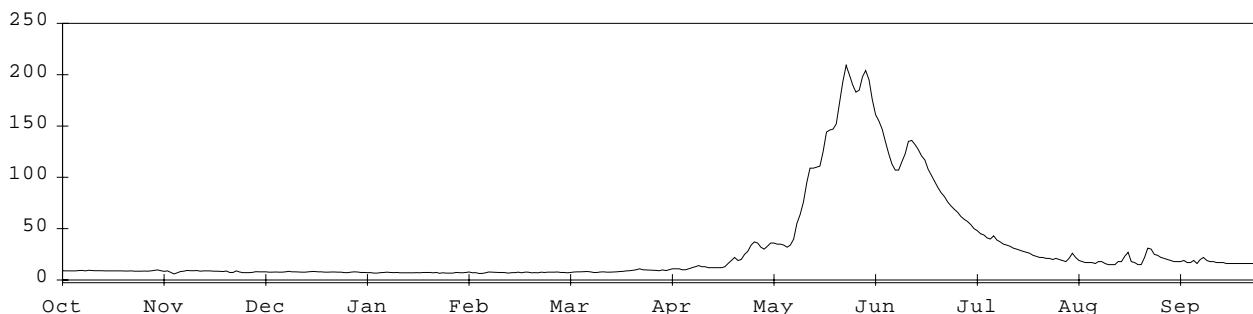
RATING TABLE.--TRITURCO12 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	8.4	8.0	7.4	7.4	7.8	9.1	36	185	66	20	22
2	8.9	8.8	8.0	7.2	7.8	7.4	9.8	32	198	62	19	21
3	8.8	7.5	7.7	7.1	7.0	7.4	9.2	30	204	59	18	20
4	8.8	6.0	7.7	6.8	7.2	7.0	10	33	195	57	21	19
5	8.9	7.0	7.8	6.8	6.4	7.4	11	36	176	54	26	18
6	9.2	8.3	7.6	7.2	6.4	7.8	11	36	161	50	22	18
7	9.4	8.6	7.7	7.4	7.0	7.9	11	35	155	48	19	18
8	8.8	9.4	8.0	7.7	7.8	8.0	10	35	147	45	18	19
9	9.5	9.0	8.4	7.4	7.7	8.1	10	34	135	44	17	17
10	9.3	9.0	8.0	7.1	7.5	8.3	11	32	123	41	17	17
11	9.1	9.3	8.0	7.4	7.4	8.0	12	34	113	40	17	19
12	9.1	8.6	7.8	7.0	7.4	7.4	13	40	107	43	16	16
13	9.0	8.8	7.6	7.0	7.2	7.4	14	55	107	39	18	20
14	8.8	8.8	7.7	7.0	6.8	7.8	13	64	115	37	18	22
15	8.8	8.8	8.0	7.0	7.2	7.9	13	76	123	35	16	19
16	8.8	8.6	8.3	7.0	7.2	7.7	12	95	135	34	15	18
17	8.9	8.6	8.2	7.2	7.7	7.6	12	109	136	33	15	18
18	8.8	8.5	8.0	7.0	7.0	7.8	12	109	132	31	15	17
19	8.8	8.3	8.0	7.4	7.7	7.9	12	110	127	30	18	17
20	8.7	8.7	7.6	7.4	7.6	8.3	12	111	121	29	18	17
21	8.7	7.3	7.6	7.3	7.0	8.5	13	125	117	28	23	16
22	8.8	7.4	7.8	7.0	7.2	8.8	16	144	108	27	27	16
23	8.6	8.8	7.8	7.4	7.0	9.0	19	146	102	26	18	16
24	8.6	7.8	7.6	6.6	7.6	9.5	22	147	96	24	17	16
25	8.6	7.2	7.6	7.0	7.4	10	19	152	90	23	15	16
26	8.7	7.1	7.2	6.8	7.6	11	20	173	85	22	15	16
27	8.6	7.1	7.2	6.8	7.6	10	25	193	81	22	22	16
28	8.9	7.5	7.6	6.8	7.6	9.9	28	209	76	21	31	16
29	9.4	8.1	8.0	7.4	---	9.6	34	200	72	21	30	16
30	9.8	8.0	7.8	7.2	---	9.5	37	190	69	20	25	16
31	9.1	---	7.4	7.0	---	9.4	---	183	---	21	24	---
TOTAL	277.2	245.3	241.7	220.8	204.4	260.1	460.1	3004	3791	1132	610	532
MEAN	8.94	8.18	7.80	7.12	7.30	8.39	15.3	96.9	126	36.5	19.7	17.7
AC-FT	550	487	479	438	405	516	913	5960	7520	2250	1210	1060
MAX	9.8	9.4	8.4	7.7	7.8	11	37	209	204	66	31	22
MIN	8.6	6.0	7.2	6.6	6.4	7.0	9.1	30	69	20	15	16

CAL YR 1992 TOTAL 6545.7 MEAN 17.9 MAX 75 MIN 5.4 AC-FT 12980
WTR YR 1993 TOTAL 10978.6 MEAN 30.1 MAX 209 MIN 6.0 AC-FT 21780

MAX DISCH 220 CFS AT 1600 28-MAY-1993 GH 2.60 FT. SHIFT -0.05 FT. MAX GH 2.60 FT. AT 1600 28-MAY-1993



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO

LOCATION.--Lat 37°23'40", long 105°22'10", NE¼SW¼ sec.31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi².

GAGE.--Graphic water-stage recorder.

REMARKS.--Small diversions above station for irrigation. Record is complete and reliable except for the following periods: Dec. 24, 1992-Jan. 3, 1993 when the float was frozen. Jan. 4, 24-26, 28; Feb. 5-7, 1993 when the stage-discharge relationship was ice affected. Record is good except for no gage-height periods and ice affected periods which are fair. Station maintained and records developed by Division III Hydrographic staff.

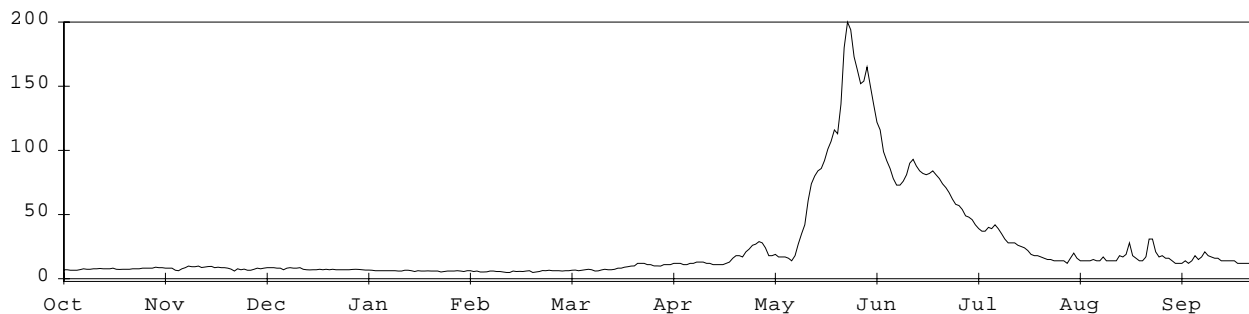
RATING TABLE.--TRIMTNC06 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	8.2	8.2	6.8	6.3	6.3	9.8	29	152	57	14	18
2	7.0	8.2	8.6	6.8	6.3	6.0	11	28	154	54	14	16
3	6.6	8.2	8.6	6.6	5.6	6.3	11	24	165	49	12	16
4	6.6	6.6	8.6	6.3	6.0	6.3	11	18	150	48	16	14
5	6.6	6.3	8.2	6.3	5.2	6.6	12	18	136	46	20	12
6	7.1	7.8	8.2	6.3	5.2	6.8	12	19	122	42	16	12
7	7.8	8.6	7.0	6.3	5.4	6.3	12	17	116	39	14	12
8	7.4	9.8	8.2	6.3	6.0	6.6	11	17	99	37	14	14
9	7.4	9.4	8.6	6.3	6.0	7.0	11	17	92	37	14	12
10	7.8	9.4	8.2	6.3	5.6	7.4	12	16	86	40	14	14
11	7.8	9.8	8.2	6.0	5.6	7.0	12	14	78	39	15	18
12	8.0	8.8	8.6	6.0	5.2	6.0	13	18	73	42	14	15
13	7.8	9.1	7.4	6.6	4.9	6.1	13	27	73	39	14	17
14	7.8	9.5	7.0	6.6	4.9	6.9	13	35	76	35	17	21
15	7.8	9.6	6.9	6.3	6.0	7.4	12	42	81	31	14	18
16	8.2	8.6	7.0	5.6	5.6	7.0	12	61	90	28	14	17
17	7.4	9.0	7.0	6.3	5.7	7.0	11	74	93	28	14	16
18	7.3	8.6	7.4	6.0	5.6	7.4	11	80	88	28	14	16
19	7.4	8.6	7.0	6.0	6.0	8.2	11	84	84	26	18	14
20	7.4	8.2	7.4	6.1	6.3	8.2	11	86	82	25	17	14
21	7.4	7.5	7.0	6.0	4.9	9.0	12	92	81	24	19	14
22	7.8	6.0	7.4	6.0	5.3	9.4	13	101	82	22	28	14
23	7.8	7.8	7.0	6.0	5.6	9.8	16	107	84	19	18	14
24	7.8	7.0	7.0	5.2	6.4	10	18	116	81	18	16	12
25	8.2	7.5	7.0	5.6	6.3	12	18	113	78	18	14	12
26	8.2	6.6	7.0	6.0	6.6	12	17	136	74	17	14	12
27	8.2	6.6	7.0	6.0	6.3	12	21	180	71	16	17	12
28	8.2	7.4	7.2	6.0	6.3	11	23	200	67	15	31	12
29	9.0	8.2	7.4	6.3	---	11	26	194	62	15	31	12
30	8.6	7.8	7.2	6.0	---	10	27	173	58	14	21	12
31	8.6	---	7.0	5.6	---	10	---	163	---	14	17	---
TOTAL	238.0	244.7	234.5	190.5	161.1	253.0	422.8	2299	2828	962	525	432
MEAN	7.68	8.16	7.56	6.15	5.75	8.16	14.1	74.2	94.3	31.0	16.9	14.4
AC-FT	472	485	465	378	320	502	839	4560	5610	1910	1040	857
MAX	9.0	9.8	8.6	6.8	6.6	12	27	200	165	57	31	21
MIN	6.6	6.0	6.9	5.2	4.9	6.0	9.8	14	58	14	12	12

CAL YR 1992 TOTAL 5010.3 MEAN 13.7 MAX 58 MIN 3.5 AC-FT 9940
WTR YR 1993 TOTAL 8790.6 MEAN 24.1 MAX 200 MIN 4.9 AC-FT 17440

MAX DISCH 212 CFS AT 1830 28-MAY-1993 GH 2.02 FT. SHIFT 0.15 FT. MAX GH 2.02 FT. AT 1830 28-MAY-1993



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO

LOCATION.--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

DRAINAGE AREA.--190 mi².

GAGE.--Graphic water-stage recorder with satellite monitoring system. Altitude of gage is 7,900 ft, from topographic map.

REMARKS.--Diversions above station by Sangre de Cristo-Trinchera canal for irrigation below station. Diversion above station from West Indian Creek to Mountain Home Reservoir on Trinchera Creek. Record is complete and reliable except for the following periods: Nov. 21-30; Dec. 1-2, 13-14, 19-20, 31, 1992; Jan. 1, 3-5, 10-17, 20-31; Feb. 1-7, 11-18, 21-18; Mar. 2-8, 12-14, 1993 when the stage-discharge relation was ice affected. Aug. 12-24, 1993 when the inlet valves were left closed. Nov. 3-20; Dec. 3-12, 15-18, 21-30, 1992; Jan. 6-9, 18-19; Aug. 25-28; Sep. 1-7, 11-13, 1993 when the station was affected by backwater. Record is good except for periods when stage-discharge relation was ice affected, backwater affected, and periods of no gage-height which are fair. Station maintained and records developed by Division III Hydrographic staff.

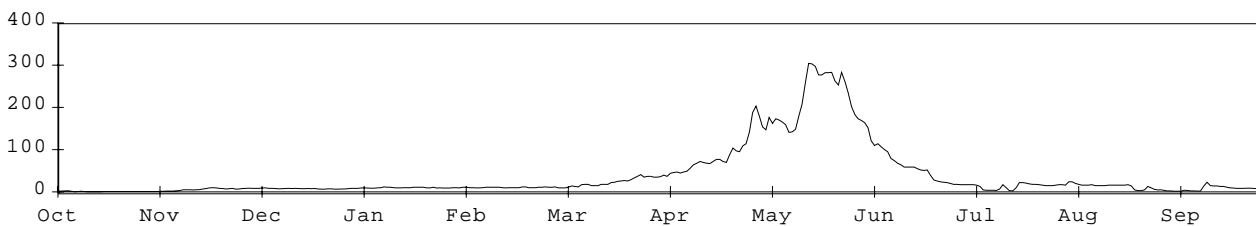
RATING TABLE.--SANFTGCO18 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.2	8.6	9.2	11	12	35	203	173	18	17	5.0
2	1.9	1.4	9.0	9.6	11	9.6	36	179	169	17	17	3.6
3	2.5	2.0	9.4	9.2	10	9.6	40	154	164	17	16	2.5
4	2.7	2.0	8.4	8.8	10	9.4	37	147	152	17	24	2.3
5	1.4	2.0	8.6	8.8	9.6	11	44	176	121	17	24	1.7
6	0.55	2.6	8.0	9.4	9.6	14	46	162	110	17	20	1.5
7	0.90	3.0	7.2	10	10	13	47	173	114	16	18	1.5
8	1.4	4.8	7.4	12	11	12	45	170	107	13	16	3.9
9	0.90	4.8	7.8	11	11	17	47	165	100	4.4	16	3.5
10	0.55	4.8	8.4	11	11	18	49	159	95	3.8	16	2.5
11	0.55	4.6	7.8	10	11	18	56	141	79	3.7	17	2.3
12	0.55	5.0	8.4	9.4	11	15	64	142	74	3.8	15	2.1
13	0.55	5.2	8.0	9.4	10	15	68	148	68	3.4	15	2.1
14	0.55	7.0	7.4	9.8	9.6	15	72	180	64	6.8	15	14
15	0.65	8.0	7.4	9.8	10	18	70	208	59	17	15	23
16	0.75	9.4	8.0	10	10	18	68	259	59	10	16	15
17	0.75	10	7.4	11	10	18	67	304	59	2.8	16	14
18	0.75	9.4	8.0	11	10	22	72	303	59	2.7	16	14
19	0.75	8.4	7.0	11	12	23	77	297	55	10	16	13
20	0.65	8.0	6.6	11	12	25	77	277	52	22	16	13
21	0.65	7.0	6.6	9.6	10	26	72	277	51	22	16	11
22	0.75	7.6	7.2	9.6	10	27	70	282	52	21	17	9.3
23	0.75	8.2	7.2	11	10	26	88	282	39	19	14	9.1
24	0.75	6.6	6.6	9.0	11	29	104	283	28	18	4.4	8.6
25	0.90	7.0	6.6	9.6	11	33	97	262	26	18	3.1	8.6
26	0.75	7.8	6.8	9.2	12	37	95	253	24	17	2.9	8.6
27	0.90	8.4	6.8	9.2	11	41	109	283	23	16	4.4	8.8
28	0.90	8.8	7.4	9.0	11	35	114	261	22	15	13	8.7
29	0.90	8.2	8.6	10	---	37	142	235	20	15	9.4	8.3
30	1.0	8.2	8.6	9.8	---	37	188	202	18	15	6.1	7.4
31	0.90	---	8.6	9.6	---	35	---	183	---	16	4.4	---
TOTAL	30.15	181.4	239.8	307.0	295.8	675.6	2196	6750	2236	414.4	435.7	228.9
MEAN	0.97	6.05	7.74	9.90	10.6	21.8	73.2	218	74.5	13.4	14.1	7.63
AC-FT	60	360	476	609	587	1340	4360	13390	4440	822	864	454
MAX	2.7	10	9.4	12	12	41	188	304	173	22	24	23
MIN	0.55	1.2	6.6	8.8	9.6	9.4	35	141	18	2.7	2.9	1.5

CAL YR 1992 TOTAL 5019.90 MEAN 13.7 MAX 127 MIN 0.35 AC-FT 9960
WTR YR 1993 TOTAL 13990.75 MEAN 38.3 MAX 304 MIN 0.55 AC-FT 27750

MAX DISCH 324 CFS AT 0730 17-MAY-1993 GH 4.17 FT. SHIFT 0.28 FT. MAX GH 4.17 FT. AT 0730 17-MAY-1993



RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO

LOCATION.--Lat 37°26'50", long 105°25'30", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

DRAINAGE AREA.--32 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 8,045 ft, from topographic map.

REMARKS.--A few diversions above station for irrigation. Record is complete and reliable except for the following periods: Nov. 21, 1992 when the stage-discharge relation was ice affected. Oct. 26 ; Nov. 1, 4-6, 13, 1992; May 18, 1993 when the clock stopped and the satellite data was incomplete. Nov. 22, 27-30; Dec. 1-9, 1992 when the floats were frozen; Dec. 10, 1992-Mar. 24, 1993 when the station was closed for the winter. Record is good except for periods of no gage-height record and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

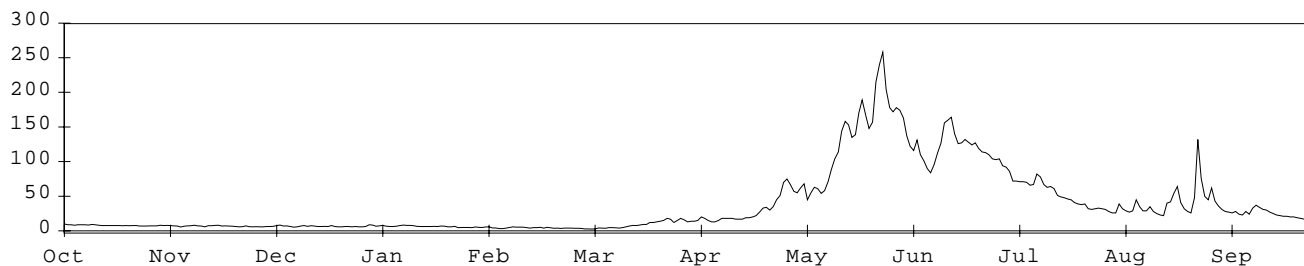
RATING TABLE.--UTEFTGCO17 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	7.6	6.6	7.2	5.6	3.6	13	67	178	104	31	62
2	9.0	7.2	7.6	8.0	5.8	3.0	14	57	174	94	28	43
3	9.0	6.9	8.4	6.8	4.3	3.0	14	55	163	92	26	36
4	8.2	5.5	7.0	6.2	4.3	2.5	15	62	137	86	26	31
5	9.0	6.8	7.2	6.2	3.2	3.0	20	68	122	72	39	28
6	9.0	7.2	6.2	6.8	3.2	4.2	18	45	116	72	32	27
7	9.0	7.4	5.4	7.6	3.9	4.0	15	55	131	71	29	26
8	8.4	8.2	5.8	8.4	5.0	3.8	13	63	110	71	27	28
9	9.3	7.2	7.0	8.0	6.0	4.6	13	61	101	70	29	24
10	9.0	6.9	7.8	8.0	5.4	4.6	15	54	90	66	45	23
11	8.2	6.0	6.6	7.4	5.4	4.4	18	58	84	67	35	28
12	7.8	7.4	7.4	6.6	5.4	4.0	18	71	96	82	29	24
13	7.8	7.5	7.0	6.4	4.7	4.6	18	89	113	78	29	33
14	7.8	7.9	6.2	6.4	3.9	5.8	18	104	127	67	35	37
15	7.6	8.1	6.2	6.4	4.7	7.0	17	114	156	63	28	34
16	7.6	7.0	6.6	6.4	4.7	8.0	17	144	160	64	25	31
17	7.6	7.3	6.2	6.6	5.2	7.6	17	158	164	61	23	30
18	7.5	7.0	7.8	6.2	4.0	8.4	19	153	140	51	22	27
19	7.8	6.8	6.4	7.0	5.2	9.2	19	135	126	49	40	25
20	7.4	6.4	5.8	6.8	4.5	9.2	20	139	127	48	42	23
21	7.8	6.0	5.8	5.8	3.7	12	22	170	132	46	54	22
22	7.8	6.1	6.2	5.8	3.9	12	27	189	128	45	64	21
23	7.1	7.2	6.2	6.6	3.6	13	33	167	124	41	41	21
24	7.1	6.1	6.0	4.6	4.0	14	34	148	127	39	32	20
25	7.1	5.8	6.2	5.0	3.9	15	30	157	119	38	28	20
26	7.2	6.1	5.8	4.8	4.0	18	35	215	114	39	26	19
27	7.2	6.0	5.8	4.8	3.8	17	45	240	113	32	48	18
28	7.2	6.0	6.4	4.6	3.7	12	51	258	110	31	132	17
29	8.1	6.4	9.0	5.6	---	15	70	204	104	32	76	17
30	7.8	6.2	8.4	5.2	---	18	75	178	103	33	50	16
31	7.9	---	6.8	4.8	---	16	---	172	---	32	45	---
TOTAL	249.2	204.2	207.8	197.0	125.0	266.5	753	3850	3789	1836	1216	811
MEAN	8.04	6.81	6.70	6.35	4.46	8.60	25.1	124	126	59.2	39.2	27.0
AC-FT	494	405	412	391	248	529	1490	7640	7520	3640	2410	1610
MAX	9.9	8.2	9.0	8.4	6.0	18	75	258	178	104	132	62
MIN	7.1	5.5	5.4	4.6	3.2	2.5	13	45	84	31	22	16

CAL YR 1992 TOTAL 7679.7 MEAN 21.0 MAX 73 MIN 2.9 AC-FT 15230
WTR YR 1993 TOTAL 13504.7 MEAN 37.0 MAX 258 MIN 2.5 AC-FT 26790

MAX DISCH 272 CFS AT 0830 28-MAY-1993 GH 3.35 FT. SHIFT 0.04 FT. MAX GH 3.35 FT. AT 0830 28-MAY-1993



RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO

LOCATION.--Lat 37°23'10", long 105°33'02", in sec.4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.6 mi downstream from Smith Reservoir, and 4.0 mi southwest of Blanca, Co.

DRAINAGE AREA.--396 mi².

GAGE.--Graphic water-stage recorder. Altitude of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

REMARKS.--Flows regulated by Smith Reservoir. Record is complete and reliable except for the following period: Nov. 27-Dec. 10, 22, 1992; Jan. 7, 1993 when the clock stopped and Feb. 27-Mar. 2, 1993 when the float was frozen. Record is good except for periods of no gage-height record which are fair. Station maintained and records developed by Division III Hydrographic staff.

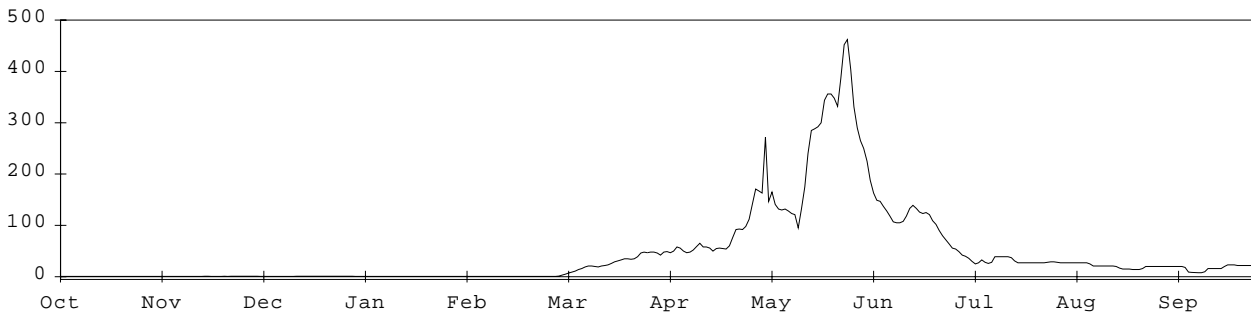
RATING TABLE.--TRISMIC011 USED FROM 01-OCT-1992 TO 30-SEP-1993

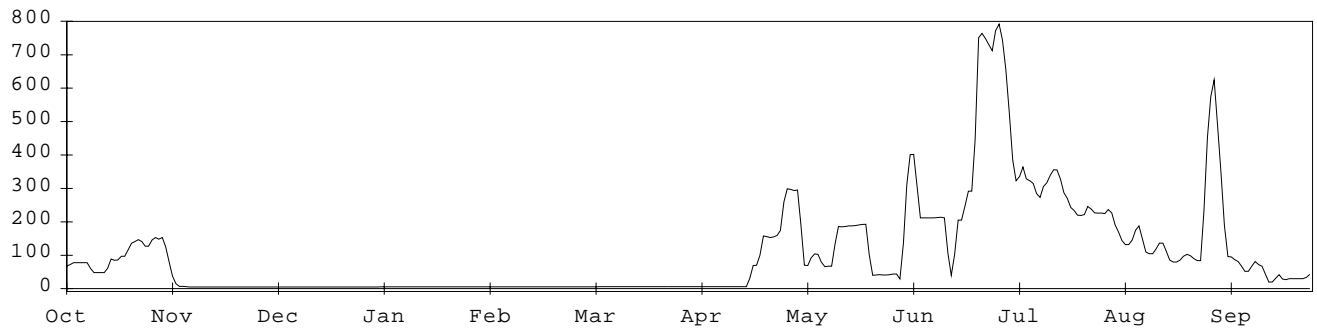
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.81	0.81	0.80	0.80	0.84	0.80	46	171	290	54	28	20
2	0.81	0.81	0.80	0.80	0.81	1.3	42	167	265	49	27	20
3	0.81	0.81	0.80	0.80	0.81	3.1	48	163	250	42	27	20
4	0.81	0.81	0.80	0.80	0.81	5.1	49	272	225	40	27	20
5	0.81	0.81	0.80	0.70	0.81	7.2	47	147	188	36	27	20
6	0.81	0.81	0.80	0.70	0.81	9.0	50	165	163	30	27	20
7	0.81	0.81	0.80	0.70	0.82	11	58	141	149	25	27	20
8	0.71	0.81	0.80	0.71	0.81	14	56	132	147	27	27	20
9	0.71	0.81	0.80	0.71	0.79	16	50	130	137	33	27	18
10	0.62	0.81	0.70	0.71	0.81	19	47	132	128	28	27	8.9
11	0.62	0.81	0.81	0.71	0.81	21	48	128	118	26	25	8.6
12	0.71	0.81	0.91	0.71	0.81	21	52	123	107	28	21	8.2
13	0.71	0.81	0.91	0.71	0.81	20	59	121	105	39	21	7.9
14	0.71	0.91	0.91	0.71	0.81	19	65	95	105	39	21	7.7
15	0.71	0.91	0.91	0.71	0.81	21	58	132	108	39	21	9.7
16	0.71	0.81	0.91	0.71	0.81	22	58	175	118	39	21	16
17	0.71	0.81	0.91	0.71	0.81	23	56	240	133	39	21	16
18	0.71	0.81	0.91	0.71	0.81	26	50	285	139	37	21	16
19	0.81	0.81	0.91	0.71	0.81	29	55	288	133	31	20	16
20	0.71	0.91	0.91	0.71	0.81	31	56	292	126	27	17	16
21	0.81	0.81	0.91	0.71	0.81	33	55	300	123	27	15	20
22	0.81	0.91	0.90	0.71	0.81	35	54	344	125	27	15	23
23	0.81	0.91	0.90	0.71	0.81	35	60	356	121	27	15	23
24	0.81	0.91	0.90	0.71	0.81	34	76	356	109	27	14	23
25	0.81	0.91	0.90	0.71	0.81	35	92	348	102	27	14	22
26	0.81	0.91	0.90	0.71	0.81	39	93	332	90	27	14	22
27	0.81	0.90	0.90	0.71	0.80	46	92	386	80	27	16	22
28	0.81	0.90	0.90	0.81	0.80	48	98	452	72	27	20	22
29	0.81	0.90	0.90	0.81	---	47	112	462	64	28	20	22
30	0.81	0.90	0.80	0.81	---	48	141	404	56	29	20	21
31	0.81	---	0.80	0.81	---	48	---	331	---	29	20	---
TOTAL	23.73	25.46	26.61	22.74	22.69	767.50	1923	7570	4076	1010	663	529.0
MEAN	0.77	0.85	0.86	0.73	0.81	24.8	64.1	244	136	32.6	21.4	17.6
AC-FT	47	50	53	45	45	1520	3810	15020	8080	2000	1320	1050
MAX	0.81	0.91	0.91	0.81	0.84	48	141	462	290	54	28	23
MIN	0.62	0.81	0.70	0.70	0.79	0.80	42	95	56	25	14	7.7

CAL YR 1992 TOTAL 5155.69 MEAN 14.1 MAX 139 MIN 0.62 AC-FT 10230
WTR YR 1993 TOTAL 16659.73 MEAN 45.6 MAX 462 MIN 0.62 AC-FT 33040

MAX DISCH 476 CFS AT 1830 28-MAY-1993 GH 5.56 FT. SHIFT 0.03 FT. MAX GH 5.56 FT. AT 1830 28-MAY-1993





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. Datum of gage is 8,271.54 ft, Colorado State Highway datum.

REMARKS.--Diversions for irrigation upstream from station and some regulation by Platoro Reservoir (station 08244500). Record is complete and reliable except for Nov. 10, 25, Dec. 8, 10, 1992; May 14, Jun. 7, and Jul. 6-7, 1993 due to clock stopping and missing satellite record, and Dec. 18, 1992-Jan. 6, 1993 due to the well freezing. Stage-discharge relation was affected by ice Nov. 23, 27-30, Dec. 1-7, 9, 11-17, 1992; Jan. 7-Mar. 13, 17-19, 22, 1993. Record is good, except for the periods of no gage-height and ice affected record which are fair. Station maintained and records developed by Div. III staff.

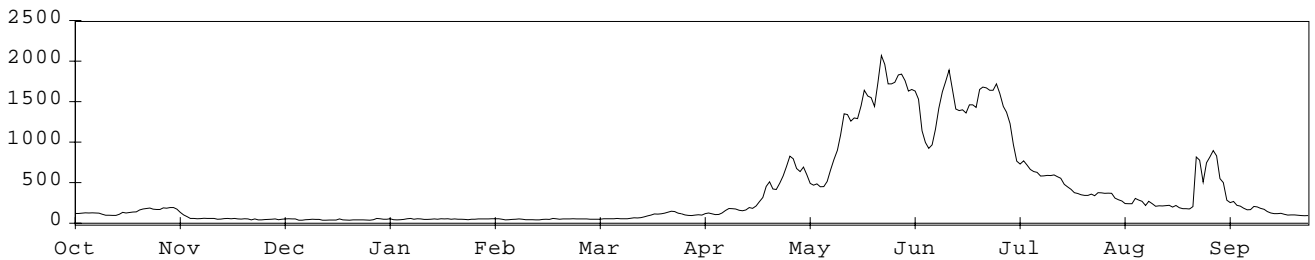
RATING TABLE.--CONMOGCO12 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	134	50	48	56	52	95	795	1830	1600	368	816
2	120	102	52	54	54	50	101	675	1840	1440	370	897
3	125	80	56	43	54	48	103	639	1760	1370	369	831
4	128	58	52	41	48	48	101	693	1630	1230	309	551
5	127	58	52	43	42	50	118	599	1650	968	290	500
6	128	56	38	47	44	54	127	491	1630	765	273	284
7	127	57	38	54	46	56	116	469	1530	730	243	255
8	124	60	43	58	49	56	107	486	1140	770	240	267
9	109	59	45	50	52	56	108	450	997	718	241	222
10	99	59	48	54	50	58	127	451	924	663	305	211
11	98	59	47	52	44	56	158	516	967	638	286	184
12	97	49	47	46	44	54	182	655	1160	628	270	166
13	96	51	38	47	44	56	179	784	1420	582	220	167
14	111	57	37	50	42	60	175	900	1620	585	271	208
15	134	58	39	52	42	67	160	1090	1750	591	241	201
16	127	55	39	50	46	65	154	1350	1890	588	209	183
17	133	59	39	54	48	70	163	1340	1650	595	215	171
18	139	53	52	52	46	78	193	1260	1410	574	214	144
19	140	51	40	54	58	89	183	1300	1390	555	216	127
20	163	56	39	50	54	100	213	1290	1400	481	222	119
21	175	52	37	52	50	114	265	1450	1360	448	199	119
22	181	41	40	50	52	112	318	1640	1460	418	220	122
23	188	52	42	50	52	115	455	1570	1460	378	191	111
24	173	41	41	46	52	124	511	1550	1430	367	179	101
25	169	42	41	43	54	135	423	1440	1650	350	180	102
26	169	45	39	50	52	148	417	1730	1680	343	175	102
27	190	47	37	50	52	143	495	2070	1670	344	204	98
28	185	48	44	52	52	124	583	1960	1640	360	817	95
29	193	52	58	52	---	117	700	1720	1640	340	778	93
30	193	43	56	52	---	102	827	1720	1720	377	507	94
31	173	---	48	52	---	96	---	1740	---	375	746	---
TOTAL	4434	1734	1374	1548	1379	2553	7857	34823	45298	20171	9568	7541
MEAN	143	57.8	44.3	49.9	49.3	82.4	262	1123	1510	651	309	251
AC-FT	8790	3440	2730	3070	2740	5060	15580	69070	89850	40010	18980	14960
MAX	193	134	58	58	58	148	827	2070	1890	1600	817	897
MIN	96	41	37	41	42	48	95	450	924	340	175	93

CAL YR 1992 TOTAL 90430 MEAN 247 MAX 1170 MIN 37 AC-FT 179400
WTR YR 1993 TOTAL 138280 MEAN 379 MAX 2070 MIN 37 AC-FT 274300

MAX DISCH 2230 CFS AT 1850 27-MAY-1993 GH 5.51 FT. SHIFT -0.08 FT. MAX GH 5.51 FT. AT 1850 27-MAY-1993



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 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 7,970 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--A few small diversions upstream from station for irrigation. Record is complete and reliable except for the periods Nov. 23-30, 1992 when the float was affected by ice; Dec. 1, 1992-Mar. 15, 1993 when the station was closed for the winter, and Jun. 16, 1993 when there was missing data. The stage-discharge relation was affected by ice Nov. 4-7, 13-22, 1992; Mar. 16-31, 1993. There was no flow Jul. 22-31; Aug. 1-15, 1993. Record is good except for periods of no gage-height, ice affected record, and missing record, which are fair. Station maintained and records developed by Div. III staff.

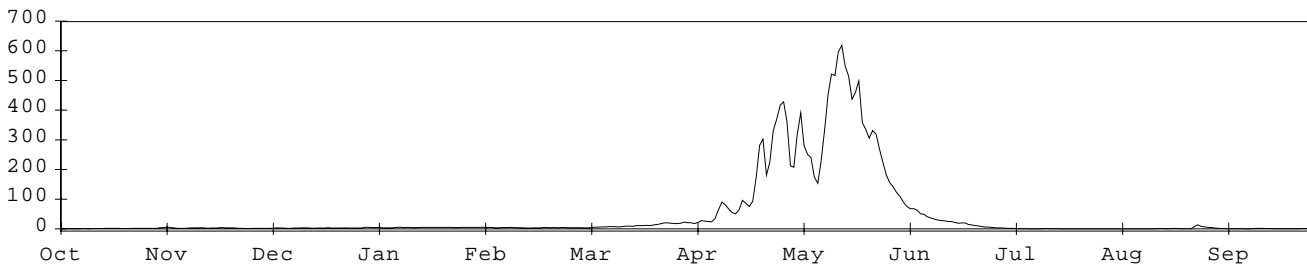
RATING TABLE.--SANORTCO12 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.82	5.8	2.1	4.2	5.6	4.0	23	362	142	3.8	0.0	5.4
2	1.1	4.6	2.5	4.8	5.2	3.9	21	212	123	3.2	0.0	4.2
3	0.97	3.2	3.6	3.5	5.2	3.8	21	208	109	2.8	0.0	2.6
4	0.86	2.2	3.0	3.2	4.4	3.7	18	318	90	2.4	0.0	1.7
5	0.91	1.8	3.0	3.4	3.6	4.8	22	391	76	1.9	0.0	1.3
6	0.91	1.8	2.0	4.1	4.0	5.6	28	280	68	2.1	0.0	1.1
7	1.0	2.5	2.0	5.2	4.2	6.2	26	251	68	1.2	0.0	0.95
8	1.00	3.2	2.8	5.6	4.6	6.8	25	241	63	0.53	0.0	0.89
9	0.93	3.6	3.0	4.6	4.8	6.8	24	175	51	0.52	0.0	0.57
10	0.98	3.6	3.6	5.2	4.6	7.6	35	154	49	0.37	0.0	0.44
11	1.4	3.9	3.4	4.8	4.0	7.4	65	231	41	0.21	0.0	0.38
12	1.4	2.8	3.4	4.1	4.0	7.2	90	337	37	0.20	0.0	0.30
13	1.4	2.5	2.5	4.3	3.8	7.0	81	453	33	0.19	0.0	0.15
14	1.6	2.8	2.5	4.8	3.0	7.8	67	521	30	0.16	0.0	0.32
15	1.6	3.0	2.7	5.0	3.0	9.2	55	517	28	1.5	0.0	1.7
16	1.6	3.6	2.7	4.8	3.4	9.0	51	597	27	1.1	0.36	2.2
17	1.6	4.3	2.7	5.2	3.6	8.8	63	618	25	0.82	0.93	1.6
18	1.8	3.5	4.0	5.0	3.2	11	96	548	25	0.55	1.3	1.2
19	1.0	3.3	3.0	5.2	4.4	11	86	515	22	0.40	1.4	0.96
20	1.0	3.3	2.8	4.8	4.2	11	76	437	19	0.30	0.73	0.80
21	1.2	2.8	2.6	5.0	4.0	12	93	460	20	0.07	0.47	0.82
22	1.6	1.8	3.0	4.8	4.2	11	175	498	20	0.0	1.6	0.66
23	1.8	2.2	3.2	4.8	4.0	13	281	358	15	0.0	1.2	0.81
24	2.2	1.5	3.1	4.5	4.2	15	302	336	13	0.0	0.57	0.72
25	2.0	1.5	3.1	4.2	4.4	17	181	306	11	0.0	0.48	0.92
26	2.0	1.7	2.9	5.0	4.0	20	225	331	9.8	0.0	0.32	0.86
27	2.0	1.8	2.7	5.0	4.0	21	330	319	7.5	0.0	0.30	0.68
28	2.0	1.8	3.8	5.2	4.0	19	370	270	6.2	0.0	8.5	1.0
29	2.2	2.0	5.6	5.2	---	18	417	225	5.8	0.0	14	1.1
30	4.0	1.6	5.2	5.2	---	18	428	182	4.7	0.0	8.2	1.3
31	4.3	---	4.2	5.2	---	19	---	156	---	0.0	6.5	---
TOTAL	49.17	84.0	96.7	145.9	115.6	325.6	3775	10807	1239.0	24.34	46.85	37.64
MEAN	1.59	2.80	3.12	4.71	4.13	10.5	126	349	41.3	0.79	1.51	1.25
AC-FT	98	167	192	289	229	646	7490	21440	2460	48	93	75
MAX	4.3	5.8	5.6	5.6	5.6	21	428	618	142	3.8	14	5.4
MIN	0.82	1.5	2.0	3.2	3.0	3.7	18	154	4.7	0.0	0.0	0.15

CAL YR 1992 TOTAL 5498.76 MEAN 15.0 MAX 198 MIN 0.00 AC-FT 10910
WTR YR 1993 TOTAL 16746.80 MEAN 45.9 MAX 618 MIN 0.00 AC-FT 33220

MAX DISCH 788 CFS AT 0500 16-MAY-1993 GH 4.68 FT. SHIFT -0.11 FT. MAX GH 4.68 FT. AT 0500 16-MAY-1993



RIO GRANDE BASIN

08248000 LOS PINOS RIVER NEAR ORTIZ, CO

Location.--Lat 36°58'56", long 106°04'23", on line between secs. 26 and 27, T.32 N., R.8 E., Rio Arriba County, New Mexico, Hydrologic Unit 13010005, on left bank 0.9 mi south of Colorado-New Mexico State line, 2.1 mi southwest of Ortiz, and 2.9 mi upstream from mouth.

DRAINAGE AREA.--167 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,040 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Diversion upstream from station for irrigation. Record is complete and reliable except for Dec. 15-31, 1992; Jan. 1-Mar. 15, 1993 when station closed for winter. Stage-discharge relation affected by ice Nov. 4, 9, 12-30; Dec. 1-14, 1992; Mar. 16-24, 1993. Record is good except for periods of no gage-height and ice affected record which is fair. Station maintained and records developed by Div. III staff.

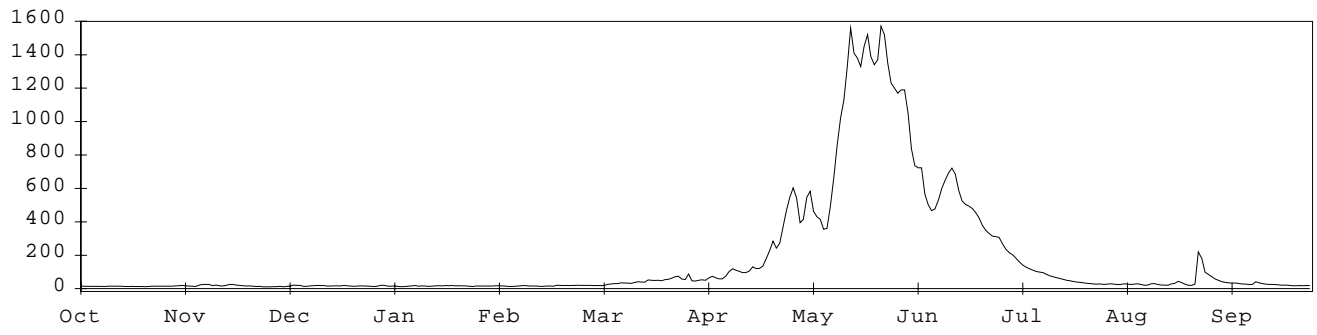
RATING TABLE.--LOSORTCO12 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	17	14	15	18	20	45	543	1190	268	27	71
2	15	16	16	17	17	19	50	395	1190	235	29	58
3	14	15	22	13	17	19	53	413	1050	215	27	49
4	14	13	20	12	15	19	51	547	837	203	24	42
5	14	21	20	13	13	19	64	583	737	182	25	38
6	14	26	14	15	14	25	74	464	723	160	29	35
7	14	25	14	17	15	28	66	430	723	141	27	33
8	13	25	17	19	17	30	59	415	566	129	26	34
9	15	18	18	15	19	30	59	356	503	119	27	31
10	15	22	20	17	18	35	74	360	467	111	29	28
11	15	18	19	16	16	34	102	491	478	103	25	27
12	15	16	19	14	16	33	119	666	532	99	21	26
13	15	20	16	15	16	32	111	853	601	96	22	26
14	13	26	16	17	14	37	104	1020	650	86	29	42
15	13	26	17	18	14	42	97	1130	693	77	30	35
16	14	22	17	17	16	40	96	1330	722	72	25	30
17	13	20	17	19	16	39	106	1560	686	66	22	27
18	13	18	20	18	15	52	131	1410	591	61	22	25
19	13	16	17	19	21	50	120	1380	526	56	21	25
20	12	17	16	17	20	49	121	1330	505	51	28	24
21	13	15	14	18	19	50	135	1450	494	48	32	23
22	15	13	16	17	20	48	180	1520	480	43	44	21
23	15	14	17	17	19	54	227	1390	456	40	37	22
24	15	11	16	15	20	56	284	1340	425	38	27	20
25	15	11	16	13	21	63	243	1370	380	35	21	18
26	15	11	14	16	20	72	272	1570	350	32	20	18
27	15	12	13	16	20	74	371	1520	331	30	27	19
28	15	12	16	16	20	58	469	1350	315	28	220	18
29	17	14	21	16	---	54	547	1230	312	27	181	19
30	18	11	20	16	---	88	604	1200	307	28	99	19
31	20	---	15	16	---	48	---	1170	---	26	85	---
TOTAL	452	521	527	499	486	1317	5034	30786	17820	2905	1308	903
MEAN	14.6	17.4	17.0	16.1	17.4	42.5	168	993	594	93.7	42.2	30.1
AC-FT	897	1030	1050	990	964	2610	9980	61060	35350	5760	2590	1790
MAX	20	26	22	19	21	88	604	1570	1190	268	220	71
MIN	12	11	13	12	13	19	45	356	307	26	20	18

CAL YR 1992 TOTAL 33731 MEAN 92.2 MAX 674 MIN 11 AC-FT 66910
WTR YR 1993 TOTAL 62558 MEAN 171 MAX 1570 MIN 11 AC-FT 124100

MAX DISCH 1780 CFS AT 0100 22-MAY-1993 GH 6.19 FT. SHIFT -0.23 FT. MAX GH 6.19 FT. AT 0100 22-MAY-1993



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO

LOCATION.--Lat 37°10'38", long 105°52'35", in SE¼NE¼ sec.21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

DRAINAGE AREA.--348 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry. Altitude of gage is 7,650 ft. from topographic map.

REMARKS.--Natural flow in stream affected by diversions to Cove Lake Reservoir, Cap. 9,700 acre-ft., and diversions for irrigation above station. Record is complete and reliable except for the following periods: Dec. 7, 1992-Mar. 17, 1993 when the station was closed for the winter; Mar. 18-22, 24, 1993 when the stage-discharge relation was ice affected. Nov. 27-Dec. 6, 1992 when the well was frozen. Mar. 23, 29-31; Apr. 15, 18-20; June 9, 11, 15, 17-18, 22-23; July 7, 21, 1993 when the clock stopped and the satellite record was incomplete. Record is good except for periods of no gage-height record and ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

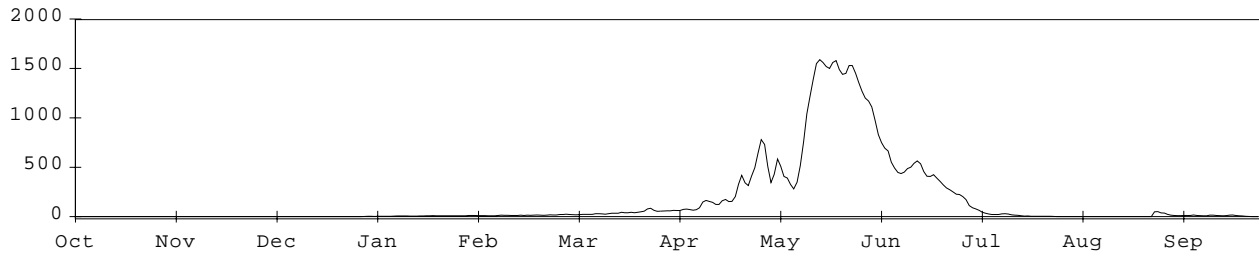
RATING TABLE.--SANMANCO18 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.27	3.4	12	25	59	731	1200	203	0.0	36
2	0.0	0.0	0.40	5.0	11	22	59	508	1170	173	0.0	24
3	0.0	0.0	0.70	4.5	11	21	64	346	1110	113	0.0	16
4	0.0	0.0	0.66	4.0	11	20	63	428	979	91	0.0	13
5	0.0	0.0	0.60	4.0	10	21	62	585	830	80	0.0	11
6	0.0	0.0	0.54	4.5	9.0	24	74	509	749	64	0.0	11
7	0.0	0.0	0.70	6.0	9.0	24	78	407	694	46	0.0	13
8	0.0	0.0	0.70	8.0	12	24	73	392	665	35	0.0	12
9	0.0	0.0	0.90	7.6	15	24	66	327	552	27	0.0	13
10	0.0	0.0	0.90	7.6	14	30	71	281	494	23	0.0	18
11	0.0	0.0	0.90	7.6	14	30	90	349	448	22	0.0	13
12	0.0	0.0	1.1	6.0	12	28	148	517	437	23	0.0	11
13	0.0	0.0	1.1	6.0	12	26	165	761	452	28	0.0	9.7
14	0.0	0.0	0.90	7.0	12	30	155	1040	487	30	0.0	9.3
15	0.0	0.0	0.90	8.0	15	35	145	1220	502	27	0.0	16
16	0.0	0.0	0.90	8.0	13	35	125	1390	541	19	0.0	15
17	0.0	0.0	0.90	9.0	16	35	124	1550	565	16	0.0	13
18	0.0	0.0	1.0	10	14	45	161	1590	536	14	0.0	11
19	0.0	0.0	1.0	11	16	40	174	1560	457	8.4	0.0	10
20	0.0	0.03	0.90	10	18	40	153	1520	410	6.8	0.0	11
21	0.0	0.12	0.90	10	16	45	155	1500	407	8.1	0.0	15
22	0.0	0.17	0.90	10	14	40	203	1560	426	5.1	0.0	17
23	0.0	0.27	1.1	9.0	15	45	328	1580	392	4.2	0.0	12
24	0.0	0.21	1.1	8.6	19	50	420	1490	358	4.1	0.0	9.3
25	0.0	0.20	1.1	8.6	17	57	343	1440	321	4.3	0.0	7.6
26	0.0	0.17	1.1	9.0	17	80	315	1450	291	4.4	0.0	4.9
27	0.0	0.17	1.0	9.0	22	86	409	1530	273	4.1	0.0	2.0
28	0.0	0.19	1.6	9.0	22	64	496	1530	250	4.2	0.0	0.22
29	0.0	0.24	2.8	10	---	54	644	1450	227	2.6	49	0.0
30	0.0	0.20	5.0	12	---	56	780	1360	224	0.57	52	0.0
31	0.0	---	4.0	12	---	58	---	1270	---	0.00	39	---
TOTAL	0.0	1.97	36.57	244.4	398.0	1214	6202	32171	16447	1090.88	140	354.02
MEAN	0.0	0.07	1.18	7.88	14.2	39.2	207	1038	548	35.2	4.52	11.8
AC-FT	0.0	3.9	73	485	789	2410	12300	63810	32620	2160	278	702
MAX	0.0	0.27	5.0	12	22	86	780	1590	1200	203	52	36
MIN	0.0	0.0	0.27	3.4	9.0	20	59	281	224	0.00	0.0	0.0

CAL YR 1992 TOTAL 24393.79 MEAN 66.6 MAX 638 MIN 0.00 AC-FT 48390
WTR YR 1993 TOTAL 58299.84 MEAN 160 MAX 1590 MIN 0.00 AC-FT 115600

MAX DISCH 1650 CFS AT 2015 22-MAY-1993 GH 6.76 FT. SHIFT -0.14 FT. MAX GH 6.76 FT. AT 2015
22-MAY-1993



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, CO
MAIN (NORTH) CHANNEL

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 LaSausés, and 13 mi southeast of Alamosa.

DRAINAGE.--887 mi².

GAGE.--Water-stage recorder with satellite telemetry. 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 Nov. 24-25, 27-28, 30; Dec. 1, 5-31, 1992; Jan. 1-16, 20-28; Feb. 6-7, 1993. Record good except for periods ice affected record which are fair. Station maintained and records developed by Div. III staff.

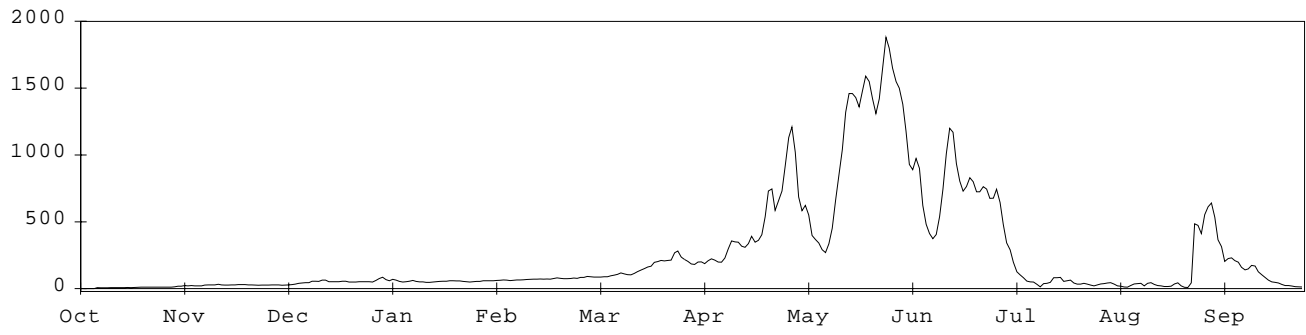
RATING TABLE.--NORLASCO12 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	23	27	60	60	92	185	1210	1550	744	35	553
2	1.1	22	28	70	62	89	182	1020	1500	645	37	612
3	1.4	23	31	64	63	87	199	687	1380	480	43	641
4	1.4	22	34	54	65	87	201	583	1180	343	45	535
5	1.3	22	40	50	64	87	188	623	930	290	34	366
6	7.4	22	43	52	61	89	209	552	890	198	22	315
7	6.8	27	45	56	63	90	224	398	974	127	18	205
8	7.0	29	45	62	65	96	214	368	900	104	13	226
9	6.9	29	56	54	66	101	200	342	623	82	12	230
10	7.5	29	56	51	67	107	198	291	482	57	25	210
11	8.1	33	54	51	69	118	229	270	412	51	35	198
12	8.2	29	64	48	70	111	298	336	374	49	37	160
13	7.2	27	64	47	71	105	357	452	405	33	41	141
14	8.0	27	52	50	71	104	350	662	540	14	21	148
15	8.6	28	52	52	73	114	348	852	745	38	40	174
16	8.3	29	52	55	71	128	318	1040	1010	40	45	169
17	9.3	30	52	56	72	140	310	1320	1200	47	32	127
18	10	30	56	56	71	151	337	1460	1170	83	24	105
19	12	31	56	60	76	162	392	1460	936	82	21	84
20	11	29	50	60	81	168	348	1430	805	85	17	64
21	11	29	50	58	78	197	362	1360	730	55	17	51
22	11	27	50	58	75	203	404	1480	765	59	19	47
23	12	26	52	54	75	211	540	1590	830	64	36	43
24	12	27	52	52	76	208	731	1550	800	42	44	32
25	12	27	52	50	79	212	746	1420	725	34	22	24
26	12	27	52	52	78	214	586	1310	725	34	10	24
27	12	28	50	54	84	269	656	1420	763	41	9.4	20
28	12	28	62	54	85	282	731	1640	745	34	44	15
29	14	29	76	59	---	237	918	1880	676	27	486	14
30	18	26	86	60	---	218	1130	1800	677	22	474	13
31	19	---	68	59	---	204	---	1650	---	29	413	---
TOTAL	278.1	815	1607	1718	1991	4681	12091	32456	25442	4033	2171.4	5546
MEAN	8.97	27.2	51.8	55.4	71.1	151	403	1047	848	130	70.0	185
AC-FT	552	1620	3190	3410	3950	9280	23980	64380	50460	8000	4310	11000
MAX	19	33	86	70	85	282	1130	1880	1550	744	486	641
MIN	1.1	22	27	47	60	87	182	270	374	14	9.4	13

CAL YR 1992	TOTAL	34955.98	MEAN	95.5	MAX	814	MIN	0.65	AC-FT	69340
WTR YR 1993	TOTAL	92829.5	MEAN	254	MAX	1880	MIN	1.1	AC-FT	184100

MAX DISCH 1940 CFS AT 1200 29-MAY-1993 GH 6.86 FT. SHIFT -0.41 FT. MAX GH 6.86 FT. AT 1200 29-MAY-1993



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, CO
SECONDARY (SOUTH) CHANNEL

LOCATION.--Lat 37°18'01", long 105°44'47", in SE¼NE¼ sec. 10, T. 35 N., R. 11 E., Conejos County, on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.0 mi north of LaSausés, and 13 mi southeast of Alamosa.

DRAINAGE.--887 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,496.89 ft above mean sea level (levels by Bureau of Reclamation). At present site and datum since Oct. 14, 1965.

REMARKS.--Record is complete and reliable except for Dec. 23, 1992-Jan. 3, 1993 when the floats were frozen; Jan. 4-Mar. 12, 1993 when the station was closed; Jun. 15, 1993 when the clock stopped and the satellite record was not complete; Aug. 16-23 when the inlets were left closed. Stage-discharge relation affected by ice Nov. 11-14, 21, 23-24, 27-30; Dec. 1-22, 1992. Stage-discharge relation affected by backwater due to beaver dams and/or moss below gage Sep. 13-30, 1993. There was no flow Jul. 24-31; Aug. 1-4, 7-11, 13-17, 1993. Record is good except for periods of no gage-height, ice affected record, and backwater affected record which are fair. Station maintained and records developed by Div. III staff.

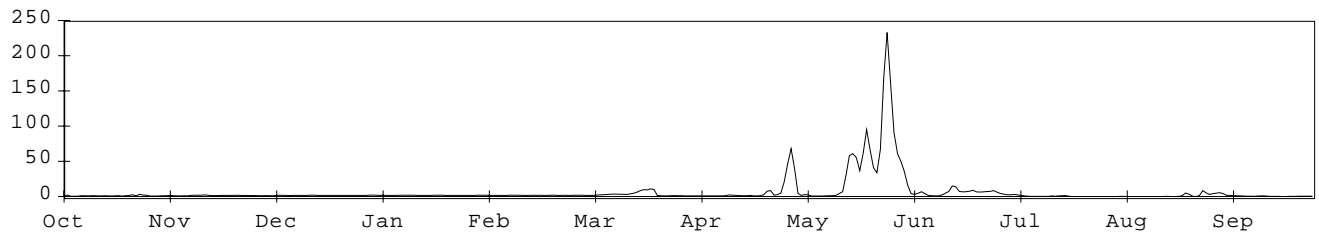
RATING TABLE.--SOULASCO06 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.93	1.5	1.3	1.6	1.8	1.9	0.98	68	61	4.4	0.0	4.3
2	2.1	1.2	1.5	1.8	1.6	1.7	0.95	39	50	3.6	0.0	4.8
3	0.54	1.0	1.8	1.6	1.7	1.7	1.0	4.4	36	2.5	0.0	5.6
4	0.50	1.0	1.7	1.5	1.7	1.7	0.95	1.7	16	2.6	0.0	4.2
5	0.49	1.1	1.6	1.5	1.6	1.8	0.85	2.8	4.1	2.9	0.27	1.7
6	1.2	1.00	1.4	1.6	1.5	2.2	0.81	2.2	3.2	2.3	0.16	1.5
7	1.1	1.6	1.5	1.8	1.6	2.5	0.95	0.73	4.5	1.6	0.00	1.2
8	1.0	2.0	1.5	2.0	1.8	2.7	0.96	0.68	6.9	0.94	0.0	1.2
9	1.1	1.8	1.7	1.9	2.0	3.1	0.82	0.77	4.3	0.50	0.0	1.00
10	1.1	1.9	1.7	1.9	1.8	3.5	0.85	0.68	1.7	0.25	0.0	0.75
11	0.89	2.2	1.7	1.9	1.8	3.4	0.84	0.88	1.2	0.37	0.0	0.65
12	0.99	1.9	1.8	1.6	1.6	3.3	1.4	1.1	0.88	0.26	0.01	0.44
13	1.1	1.4	1.8	1.6	1.6	3.1	2.2	1.2	0.95	0.20	0.0	0.40
14	0.93	1.4	1.6	1.7	1.6	2.9	2.0	1.6	2.4	0.18	0.0	0.70
15	0.80	1.4	1.6	1.7	1.9	3.7	1.7	4.1	4.8	0.24	0.0	0.85
16	1.2	1.6	1.6	1.7	1.6	4.5	1.4	6.8	7.3	1.0	0.0	0.85
17	1.1	1.6	1.6	1.8	1.9	6.2	1.1	30	15	0.60	0.0	0.65
18	0.79	1.6	1.7	1.8	1.6	8.2	1.2	58	14	1.0	0.20	0.30
19	1.1	1.6	1.7	1.9	1.7	9.9	1.5	61	7.4	1.2	0.15	0.20
20	1.4	1.6	1.5	1.7	1.9	9.3	0.98	55	6.7	1.4	0.10	0.15
21	2.6	1.9	1.5	1.7	1.8	11	0.87	37	6.8	0.60	0.10	0.10
22	0.94	1.4	1.5	1.7	1.7	10	1.1	61	7.6	0.09	0.30	0.03
23	3.2	1.6	1.6	1.6	1.7	1.4	2.5	95	9.0	0.12	1.2	0.15
24	2.1	1.4	1.6	1.6	1.9	1.1	7.6	67	6.6	0.0	5.1	0.30
25	1.9	1.4	1.6	1.6	1.7	1.0	8.4	41	6.4	0.0	3.5	0.40
26	0.69	1.4	1.6	1.6	1.7	0.98	2.1	34	6.6	0.0	0.58	0.45
27	0.80	1.3	1.5	1.6	1.8	1.3	2.5	67	7.1	0.0	0.11	0.45
28	0.73	1.3	1.7	1.6	1.8	1.4	5.0	169	7.3	0.0	1.2	0.55
29	0.82	1.4	1.9	1.7	---	1.3	21	233	8.6	0.0	8.6	0.55
30	1.1	1.2	2.1	1.8	---	1.2	46	160	6.2	0.0	5.2	0.45
31	1.3	---	1.8	1.8	---	0.98	---	91	---	0.0	3.0	---
TOTAL	36.55	44.70	50.7	52.9	48.4	108.96	120.51	1395.64	320.53	28.86	29.78	34.86
MEAN	1.18	1.49	1.64	1.71	1.73	3.51	4.02	45.0	10.7	0.93	0.96	1.16
AC-FT	72	89	101	105	96	216	239	2770	636	57	59	69
MAX	3.2	2.2	2.1	2.0	2.0	11	46	233	61	4.4	8.6	5.6
MIN	0.49	1.00	1.3	1.5	1.5	0.98	0.81	0.68	0.88	0.0	0.0	0.03

CAL YR 1992 TOTAL 717.98 MEAN 1.96 MAX 43 MIN 0.00 AC-FT 1420
WTR YR 1993 TOTAL 2272.40 MEAN 6.23 MAX 233 MIN 0.00 AC-FT 4510

MAX DISCH 256 CFS AT 0845 29-MAY-1993 GH 3.55 FT. SHIFT -0.32 FT. MAX GH 3.55 FT. AT 0845
29-MAY-1993



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 mi².

GAGE.--Two water-stage recorders with satellite telemetry. Datum of gage on main (north) channel is 7,495.02 ft above National Geodetic Vertical Datum of 1929, and on secondary (south) channel is 7,496.89 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.--Diversion for irrigation of about 75,000 acres upstream from station. Records should be good except for periods of no gage-height, ice affected record, and backwater affected record which are fair. Stations maintained and records developed by Div. III staff.

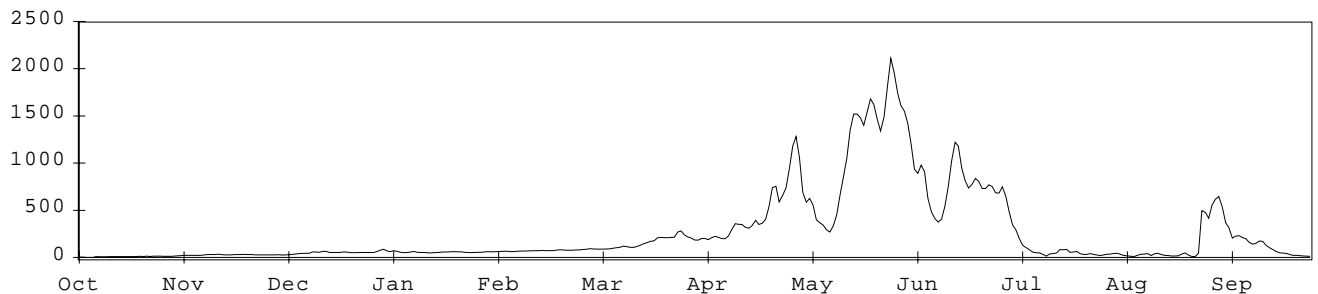
COMBINED CONEJOS RIVER (NORLASCO SOULASCO)

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	24	28	62	62	94	186	1280	1610	748	35	557
2	3.2	23	30	72	64	91	183	1060	1550	649	37	617
3	1.9	24	33	66	65	89	200	691	1420	482	43	647
4	1.9	23	36	56	67	89	202	585	1200	346	45	539
5	1.8	23	42	52	66	89	189	626	934	293	34	368
6	8.6	23	44	54	62	91	210	554	893	200	22	316
7	7.9	29	46	58	65	92	225	399	978	129	18	206
8	8.0	31	46	64	67	99	215	369	907	105	13	227
9	8.0	31	58	56	68	104	201	343	627	82	12	231
10	8.6	31	58	53	69	110	199	292	484	57	25	211
11	9.0	35	56	53	71	121	230	271	413	51	35	199
12	9.2	31	66	50	72	114	299	337	375	49	37	160
13	8.3	28	66	49	73	108	359	453	406	33	41	141
14	8.9	28	54	52	73	107	352	664	542	14	21	149
15	9.4	29	54	54	75	118	350	856	750	38	40	175
16	9.5	31	54	57	73	132	319	1050	1020	41	45	170
17	10	32	54	58	74	146	311	1350	1220	48	32	128
18	11	32	58	58	73	159	338	1520	1180	84	24	105
19	13	33	58	62	78	172	394	1520	943	83	21	84
20	12	31	52	62	83	177	349	1480	812	86	17	64
21	14	31	52	60	80	208	363	1400	737	56	17	51
22	12	28	52	60	77	213	405	1540	773	59	19	47
23	15	28	54	56	77	212	542	1680	839	64	37	43
24	14	28	54	54	78	209	739	1620	807	42	49	32
25	14	28	54	52	81	213	754	1460	731	34	26	24
26	13	28	54	54	80	215	588	1340	732	34	11	24
27	13	29	52	56	86	270	658	1490	770	41	9.5	20
28	13	29	64	56	87	283	736	1810	752	34	45	16
29	15	30	78	61	---	238	939	2110	685	27	495	15
30	19	27	88	62	---	219	1180	1960	683	22	479	13
31	20	---	70	61	---	205	---	1740	---	29	416	---
TOTAL	314.7	858	1665	1780	2046	4787	12215	33850	25773	4060	2200.5	5579
MEAN	10.2	28.6	53.7	57.4	73.1	154	407	1092	859	131	71.0	186
AC-FT	624	1700	3300	3530	4060	9500	24230	67140	51120	8050	4360	11070
MAX	20	35	88	72	87	283	1180	2110	1610	748	495	647
MIN	1.8	23	28	49	62	89	183	271	375	14	9.5	13

CAL YR 1992 TOTAL 35684.41 MEAN 97.5 MAX 825 MIN 0.65 AC-FT 70780
WTR YR 1993 TOTAL 95128.2 MEAN 261 MAX 2110 MIN 1.8 AC-FT 188700

NO PEAK DATA AVAILABLE



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO

LOCATION.--Lat 37°11'02", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

DRAINAGE AREA.--220 mi².

GAGE.--Graphic water-stage recorder and concrete control. Altitude of gage is 8,000 ft from topographic map.

REMARKS.--Diversion above station for irrigation. Flow regulated by Sanchez Reservoir on Ventero Creek. Record is complete and reliable. Stage-discharge relation affected by ice Nov. 21-28, 30; Dec. 1-2, 6-11, 14-15, 17, 22-27, 29-31, 1992; Jan. 4-6, 12-14, 16, 18, 21-22, 24-29, 31; Feb. 2-3, 5-8, 13, 18, 21-25; Mar. 4-5, 13, 1993. Record is good except for periods of ice affected record which are fair. Station maintained and records developed by Division III Hydrographic staff.

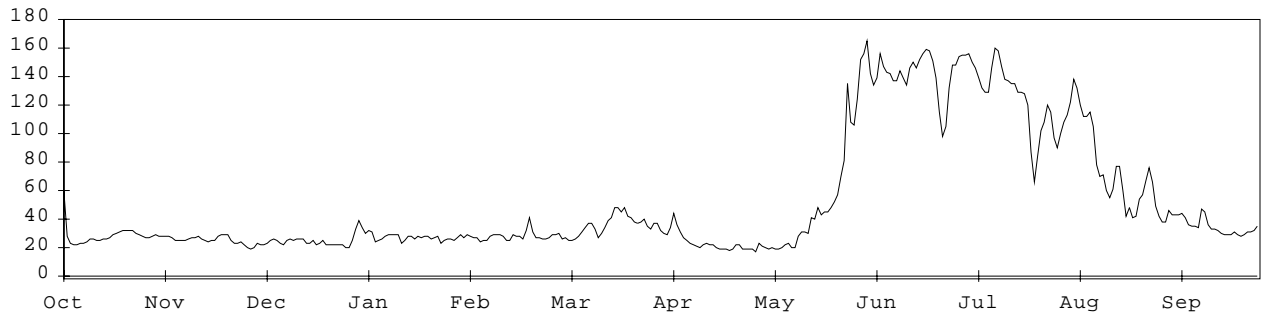
RATING TABLE.--CULSANCO05 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	28	22	30	29	30	32	23	152	154	100	38
2	28	28	23	32	28	26	30	21	156	155	108	38
3	23	27	25	31	27	27	29	20	165	155	113	46
4	22	25	26	24	27	25	34	19	142	156	122	43
5	22	25	25	25	24	25	44	20	134	150	138	43
6	23	25	23	26	25	26	36	19	139	146	132	43
7	23	25	22	28	25	28	31	19	156	139	120	44
8	24	26	25	29	28	31	27	20	147	132	112	41
9	26	27	26	29	29	34	25	22	143	129	112	36
10	26	27	25	29	29	37	23	23	142	129	115	35
11	25	28	26	29	29	37	22	20	137	146	105	35
12	25	26	26	23	28	33	21	20	137	160	78	34
13	26	25	26	25	25	27	20	28	144	158	70	47
14	26	24	23	28	25	30	22	31	139	147	71	45
15	27	25	23	28	29	34	23	31	134	138	60	36
16	29	25	25	26	28	39	22	30	146	137	55	33
17	30	28	22	28	28	41	22	41	150	135	61	33
18	31	29	23	27	26	48	20	40	146	135	77	32
19	32	29	25	28	32	48	19	48	152	129	77	30
20	32	29	22	28	41	45	19	43	156	129	60	29
21	32	25	22	26	31	48	19	45	159	128	42	29
22	32	23	22	27	27	42	18	45	158	120	48	29
23	30	23	22	28	27	41	19	48	151	87	41	31
24	29	24	22	23	26	38	22	52	139	66	42	29
25	28	22	22	25	26	37	22	57	115	84	54	28
26	27	20	20	26	27	38	19	70	98	102	57	29
27	27	19	20	26	29	40	19	81	105	108	67	31
28	28	20	25	25	29	35	19	135	132	120	76	31
29	29	23	33	27	---	33	19	108	148	115	66	32
30	28	22	39	29	---	37	17	106	148	97	49	35
31	28	---	34	27	---	37	---	124	---	90	42	---
TOTAL	878	752	764	842	784	1097	714	1409	4270	3976	2470	1065
MEAN	28.3	25.1	24.6	27.2	28.0	35.4	23.8	45.5	142	128	79.7	35.5
AC-FT	1740	1490	1520	1670	1560	2180	1420	2790	8470	7890	4900	2110
MAX	60	29	39	32	41	48	44	135	165	160	138	47
MIN	22	19	20	23	24	25	17	19	98	66	41	28

CAL YR 1992 TOTAL	17807	MEAN	48.7	MAX	134	MIN	15	AC-FT	35320
WTR YR 1993 TOTAL	19021	MEAN	52.1	MAX	165	MIN	17	AC-FT	37730

MAX DISCH 195 CFS AT 0920 03-JUN-1993 GH 2.09 FT. SHIFT 0.14 FT. MAX GH 2.09 FT. AT 0920 03-JUN-1993



RIO GRANDE BASIN

08251500 RIO GRANDE NEAR LOBATOS, CO

LOCATION.--Lat 37°04'43", long 105°45'23", in NE¼NW¼ sec.27, T.33 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank at highway bridge, 5.7 mi north of Colorado-New Mexico State line, 8 mi downstream from Culebra Creek, 11 mi east of Lobatos, and 14 mi east of Antonito.

DRAINAGE AREA.--7,700 mi². approximately, includes 2,940 mi². in closed basin in northern part of San Luis Valley, Colo.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,427.63 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Natural flow of stream affected by transmountain diversions, storage reservoirs, ground-water withdrawals and diversions for irrigation. Record is complete and reliable. Stage discharge relation affected by ice Nov. 4, 6-7, 13-15, 21-30, Dec. 1-31, 1992; and Jan. 1-Mar. 11, 1993. Record is good except for periods of ice affected record which are fair. Station maintained and records developed by Div. III staff.

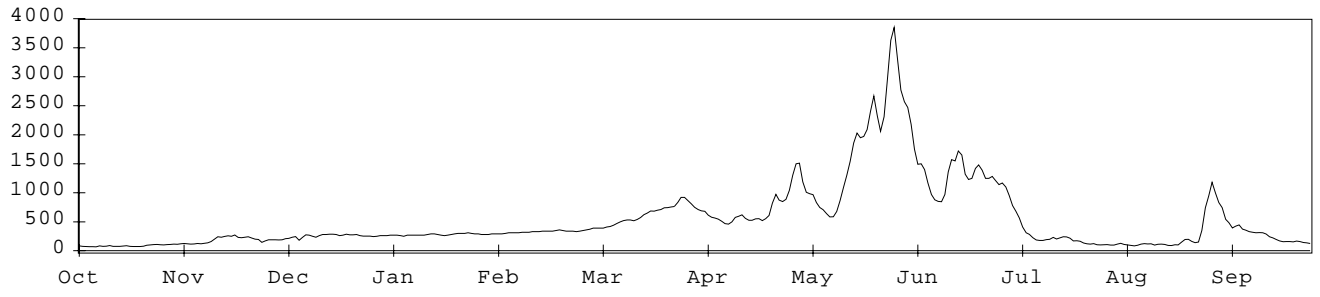
RATING TABLE.--RIOLOBCO03 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	126	210	270	290	370	749	1500	2770	1170	105	1180
2	76	122	215	270	290	390	710	1510	2570	1100	99	997
3	72	116	235	270	290	390	687	1190	2470	954	99	832
4	70	118	245	260	300	390	680	1010	2180	780	116	744
5	69	126	180	250	310	390	615	983	1750	681	128	544
6	68	120	230	270	310	410	580	967	1490	566	111	484
7	86	130	275	270	310	420	565	832	1500	410	101	395
8	78	136	270	270	310	440	545	746	1400	309	92	425
9	80	158	250	270	320	470	509	708	1170	282	85	445
10	89	200	235	270	320	500	469	640	970	224	95	375
11	78	243	260	270	320	520	458	583	880	187	116	355
12	76	235	280	280	330	532	499	586	853	179	123	330
13	76	246	280	290	330	531	576	678	846	178	118	320
14	83	258	285	290	330	517	596	866	970	192	122	310
15	87	250	285	280	340	539	618	1090	1360	198	99	315
16	78	272	280	270	340	573	560	1300	1570	229	112	312
17	72	232	260	260	340	624	527	1540	1550	204	114	289
18	74	226	270	270	340	650	526	1860	1720	222	110	243
19	74	235	285	280	350	685	552	2030	1650	241	94	222
20	80	242	275	290	360	683	554	1950	1320	238	89	193
21	95	220	275	300	350	700	521	1970	1230	216	103	170
22	100	200	280	300	340	711	553	2090	1250	169	101	156
23	105	195	260	300	340	740	607	2400	1420	174	150	159
24	108	145	255	310	340	745	821	2670	1480	166	195	159
25	103	170	255	300	330	756	973	2320	1390	134	199	154
26	100	190	255	290	340	764	872	2060	1250	120	161	167
27	105	190	245	290	350	836	848	2310	1250	115	140	157
28	108	190	250	280	360	919	889	2960	1280	123	149	142
29	113	185	260	280	---	919	1040	3630	1210	104	351	136
30	112	190	260	280	---	864	1300	3850	1140	100	740	125
31	120	---	260	290	---	810	---	3280	---	104	945	---
TOTAL	2719	5666	7960	8670	9180	18788	19999	52109	43889	10069	5362	10835
MEAN	87.7	189	257	280	328	606	667	1681	1463	325	173	361
AC-FT	5390	11240	15790	17200	18210	37270	39670	103400	87050	19970	10640	21490
MAX	120	272	285	310	360	919	1300	3850	2770	1170	945	1180
MIN	68	116	180	250	290	370	458	583	846	100	85	125

CAL YR 1992 TOTAL 121305 MEAN 331 MAX 1670 MIN 50 AC-FT 240600
WTR YR 1993 TOTAL 195246 MEAN 535 MAX 3850 MIN 68 AC-FT 387300

MAX DISCH 3890 CFS AT 0115 30-MAY-1993 GH 4.92 FT. SHIFT -0.08 FT. MAX GH 4.92 FT. AT 0115
30-MAY-1993



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. Station maintained and records developed by Division III Hydrographic staff.

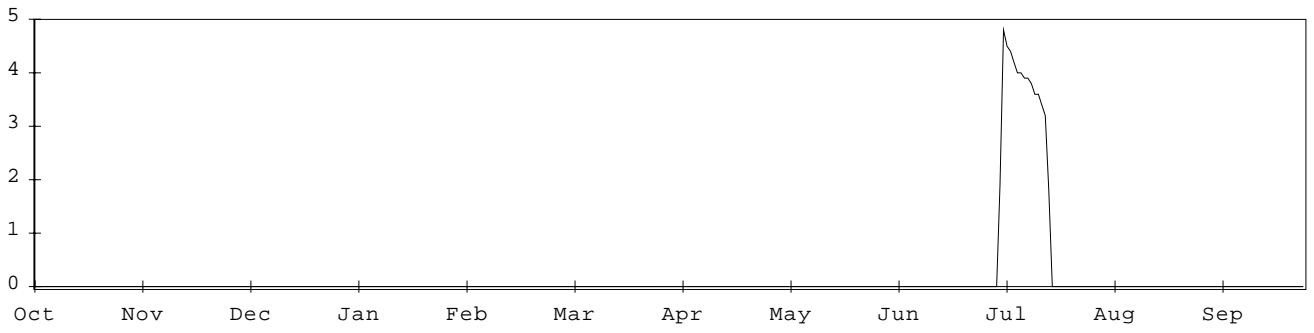
RATING TABLE.--TARBELCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	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	1.9	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.77	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	109	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	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 1992 TOTAL	173.38	MEAN	0.47	MAX	7.6	MIN	0.00	AC-FT	344
WTR YR 1993 TOTAL	55.0	MEAN	0.15	MAX	4.8	MIN	0.00	AC-FT	109

MAX DISCH 4.9 CFS AT 0015 06-JUL-1993 GH 0.58 FT. SHIFT 0.05 FT. MAX GH 0.58 FT. AT 0015 06-JUL-1993



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.--Station maintained and records developed by Division III Hydrographic staff.

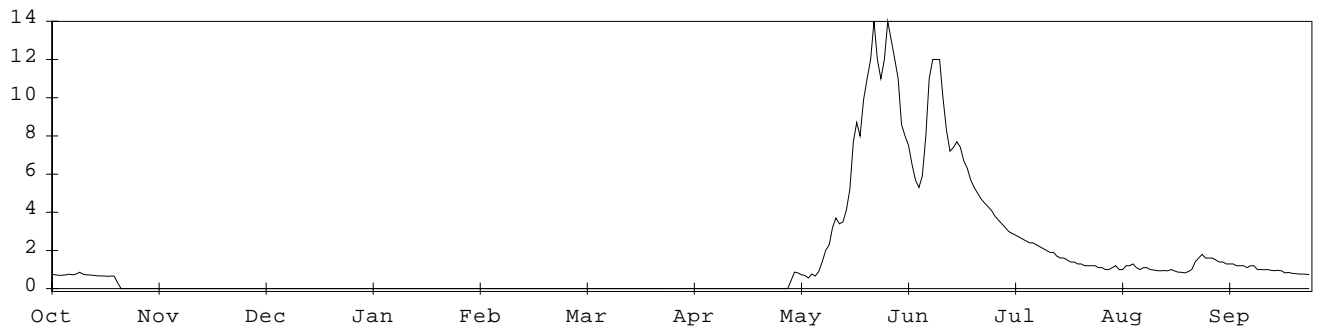
RATING TABLE.--TABDITCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	3.8	1.1	1.6
2	0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3.6	1.0	1.6
3	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.43	11	3.4	1.0	1.5
4	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.87	8.6	3.2	1.1	1.4
5	0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.82	8.0	3.0	1.2	1.4
6	0.76	0.0	0.0	0.0	0.0	0.0	0.0	0.73	7.5	2.9	1.0	1.3
7	0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.69	6.5	2.8	1.0	1.3
8	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.56	5.7	2.7	1.2	1.3
9	0.86	0.0	0.0	0.0	0.0	0.0	0.0	0.77	5.3	2.6	1.2	1.2
10	0.76	0.0	0.0	0.0	0.0	0.0	0.0	0.67	5.9	2.5	1.3	1.2
11	0.73	0.0	0.0	0.0	0.0	0.0	0.0	0.89	8.0	2.4	1.1	1.2
12	0.72	0.0	0.0	0.0	0.0	0.0	0.0	1.4	11	2.4	1.0	1.1
13	0.70	0.0	0.0	0.0	0.0	0.0	0.0	2.0	12	2.3	1.1	1.2
14	0.68	0.0	0.0	0.0	0.0	0.0	0.0	2.3	12	2.2	1.1	1.2
15	0.67	0.0	0.0	0.0	0.0	0.0	0.0	3.2	12	2.1	1.0	1.0
16	0.67	0.0	0.0	0.0	0.0	0.0	0.0	3.7	10	2.0	0.98	1.0
17	0.65	0.0	0.0	0.0	0.0	0.0	0.0	3.4	8.3	1.9	0.94	0.99
18	0.66	0.0	0.0	0.0	0.0	0.0	0.0	3.5	7.2	1.9	0.93	1.00
19	0.66	0.0	0.0	0.0	0.0	0.0	0.0	4.1	7.4	1.7	0.95	0.96
20	0.31	0.0	0.0	0.0	0.0	0.0	0.0	5.2	7.7	1.6	0.93	0.94
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	7.4	1.6	1.0	0.96
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	6.7	1.5	0.93	0.93
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	6.3	1.4	0.87	0.82
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	5.7	1.4	0.86	0.85
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	5.3	1.3	0.82	0.81
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	5.0	1.3	0.89	0.79
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	4.7	1.2	1.0	0.77
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	4.5	1.2	1.4	0.77
29	0.0	0.0	0.0	0.0	---	0.0	0.0	11	4.3	1.2	1.6	0.76
30	0.0	0.0	0.0	0.0	---	0.0	0.0	12	4.1	1.2	1.8	0.74
31	0.0	---	0.0	0.0	---	0.0	---	14	---	1.1	1.6	---
TOTAL	13.94	0.0	0.0	0.0	0.0	0.0	0.0	155.54	233.1	65.4	33.90	32.60
MEAN	0.45	0.0	0.0	0.0	0.0	0.0	0.0	5.02	7.77	2.11	1.09	1.09
AC-FT	28	0.0	0.0	0.0	0.0	0.0	0.0	309	462	130	67	65
MAX	0.86	0.0	0.0	0.0	0.0	0.0	0.0	14	13	3.8	1.8	1.6
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.1	0.82	0.74

CAL YR 1992 TOTAL 349.65 MEAN 0.96 MAX 5.8 MIN 0.00 AC-FT 694
WTR YR 1993 TOTAL 534.47 MEAN 1.46 MAX 14 MIN 0.00 AC-FT 1060

MAX DISCH 22 CFS AT 1945 13-JUN-1993 GH 1.50 FT. SHIFT 0.00 FT. MAX GH 1.50 FT. AT 1945
13-JUN-1993



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO

LOCATION.--Treasure Pass diversion ditch diverts water from tributaries of Wolf Creek in San Juan River basin, to tributary of South Fork Rio Grande in sec.5, T.37 N., R.2 E., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and records developed by Division III Hydrographic staff.

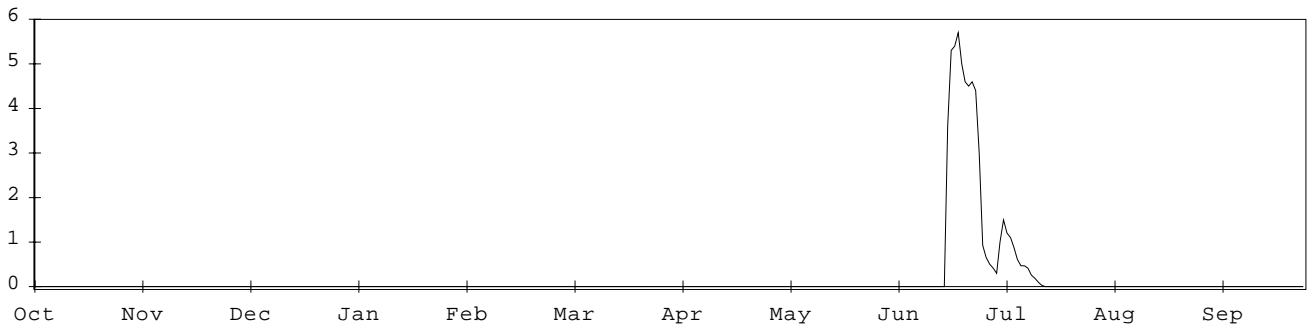
RATING TABLE.--TREDITCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.66	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.51	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.61	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.26	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.19	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	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	3.6	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.93	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.03	10.12	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.57	0.33	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	93	20	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	1.5	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 1992 TOTAL 31.51 MEAN 0.09 MAX 1.2 MIN 0.00 AC-FT 63
WTR YR 1993 TOTAL 57.15 MEAN 0.16 MAX 5.7 MIN 0.00 AC-FT 113

MAX DISCH 6.7 CFS AT 1600 22-JUN-1993 GH 0.91 FT. SHIFT -0.02 FT. MAX GH 0.91 FT. AT 1600
22-JUN-1993



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 past this station during this water year. Station maintained and records developed by Division III Hydrographic staff.

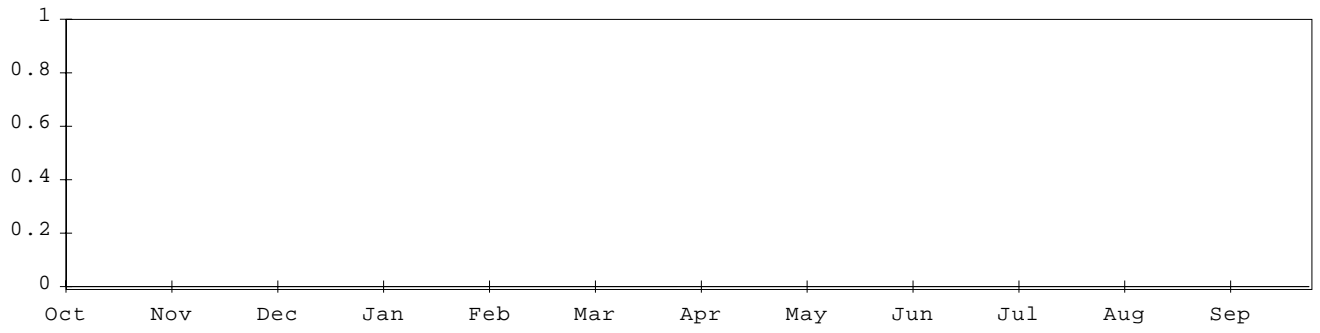
RATING TABLE.--DLFDT1CO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

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

CAL YR 1992 TOTAL 25.80 MEAN 0.07 MAX 1.9 MIN 0.00 AC-FT 51
WTR YR 1993 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00

NO PEAK DATA AVAILABLE



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.2 AT PIEDRA PASS, CO

LOCATION.--SW¼ sec.33, T.39 N., R.1 W., at Piedra Pass, Co. Diversion is from tributaries of Piedra River in San Juan River Basin to Red Mountain Creek in Rio Grande River Basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 1.5 ft Parshall flume.

REMARKS.--No water flowed past this station during this water year. Station maintained and records developed by Division III Hydrographic staff.

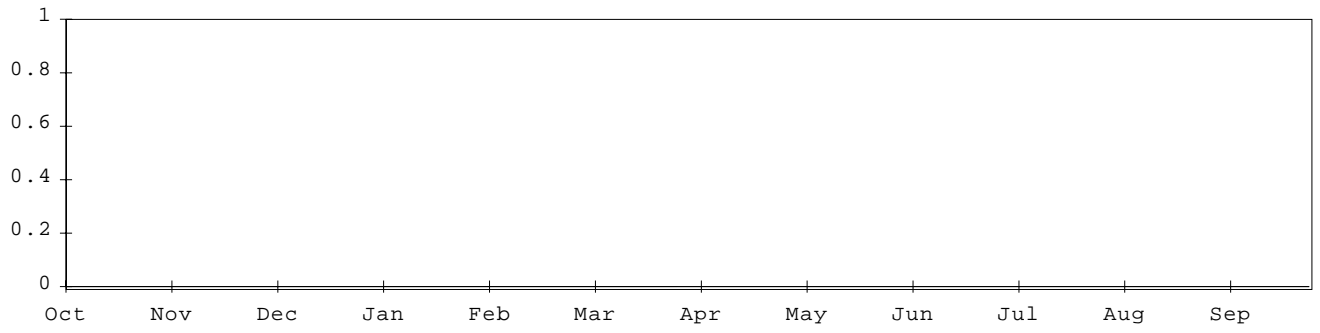
RATING TABLE.--DLFDT2CO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

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

CAL YR 1992 TOTAL 216.39 MEAN 0.59 MAX 6.5 MIN 0.00 AC-FT 429
WTR YR 1993 TOTAL 0 MEAN 0.00 MAX 0.00 MIN 0.00 AC-FT 0.00

NO PEAK DATA AVAILABLE



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.

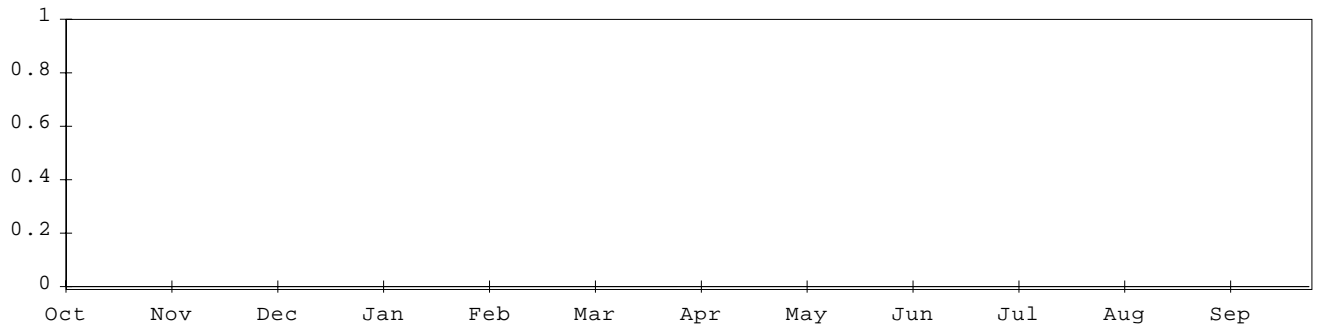
REMARKS.--Records combined to obtain this record.

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

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

CAL YR 1992 TOTAL	242.10	MEAN	0.66	MAX	7.4	MIN	0.00	AC-FT	480
WTR YR 1993 TOTAL	0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00

NO PEAK DATA AVAILABLE



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAMS CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO

LOCATION.--Williams Creek-Squaw Pass ditch diverts water from Williams Creek (tributary to Piedra River) in sec.21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec.21, T.39 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

REMARKS.--Station maintained and records developed by Division III Hydrographic staff.

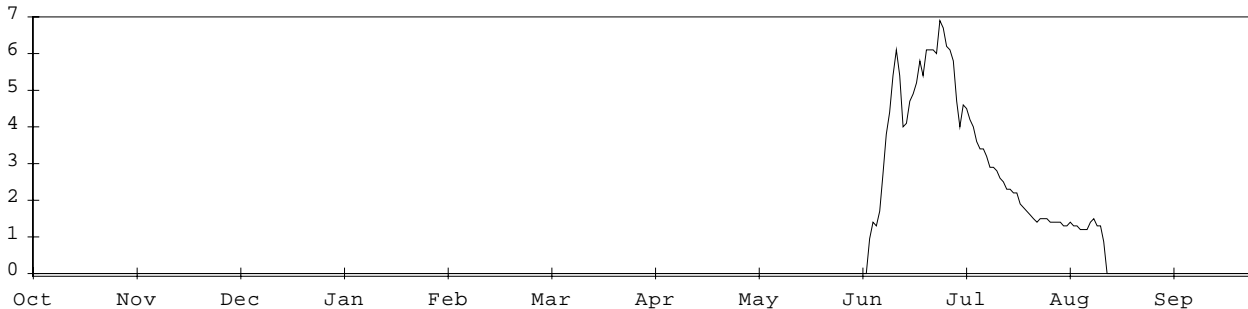
RATING TABLE.--WCSBITCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	1.4	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	1.4	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	1.4	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	1.4	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.3	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	1.3	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	1.4	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.95	4.2	1.3	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	4.0	1.3	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.6	1.2	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4	1.2	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.4	1.2	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.2	1.4	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	2.9	1.5	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	2.9	1.3	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	2.8	1.3	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	2.6	0.87	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.5	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.3	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	2.3	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	2.2	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	2.2	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	1.9	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	1.8	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	1.7	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	1.6	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	1.5	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	1.4	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	6.9	1.5	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	6.7	1.5	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	1.5	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105.15	94.8	22.17	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.50	3.06	0.72	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	209	188	44	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	6.2	1.5	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0

CAL YR 1992 TOTAL 239.70 MEAN 0.65 MAX 5.2 MIN 0.00 AC-FT 475
WTR YR 1993 TOTAL 222.12 MEAN 0.61 MAX 6.9 MIN 0.00 AC-FT 441

MAX DISCH 8.5 CFS AT 1700 29-JUN-1993 GH 0.90 FT. SHIFT 0.14 FT. MAX GH 0.90 FT. AT 1700 29-JUN-1993



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 records developed by Division III Hydrographic staff.

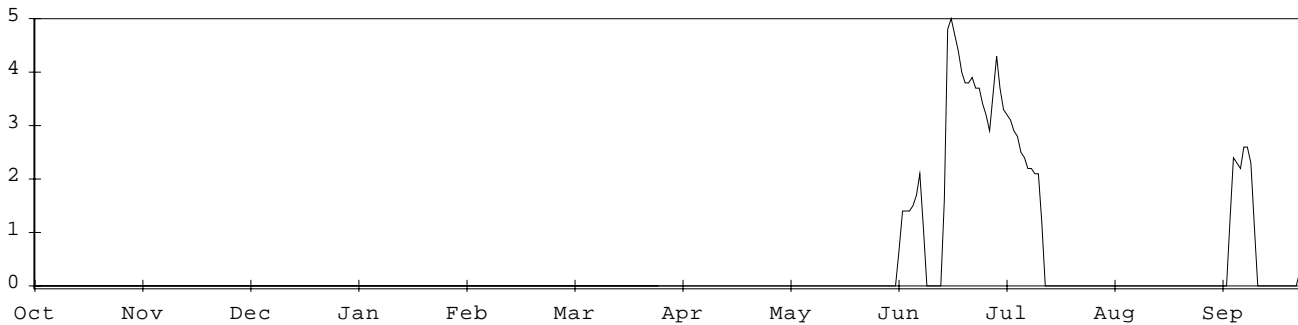
RATING TABLE.--PRWDITCO04 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.67	3.3	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.2	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.1	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	0.0	1.2
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.8	0.0	2.4
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.5	0.0	2.3
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.4	0.0	2.2
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	0.0	2.6
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.6
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.3
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	1.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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	1.6	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.7	0.0	0.0	0.25
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	3.4	0.0	0.0	1.2
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	58.07	47.7	0.0	18.15
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.94	1.54	0.0	0.61
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115	95	0.0	36
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.3	0.0	2.6
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL YR 1992 TOTAL 253.70 MEAN 0.69 MAX 5.8 MIN 0.00 AC-FT 503
WTR YR 1993 TOTAL 123.92 MEAN 0.34 MAX 5.0 MIN 0.00 AC-FT 246

MAX DISCH 5.2 CFS AT 1000 21-JUN-1993 GH 0.62 FT. SHIFT -0.03 FT. MAX GH 0.62 FT. AT 1000 21-JUN-1993



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

LOCATION.--Weminuche Pass ditch diverts water from left bank of Rincon la Vaca Creek (tributary to Los Pinos River) in sec.5., T.39 N., R.4 W., in San Juan River basin, to Weminuche Creek in sec.33, T.40 N., R.4 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 5' Parshall Flume.

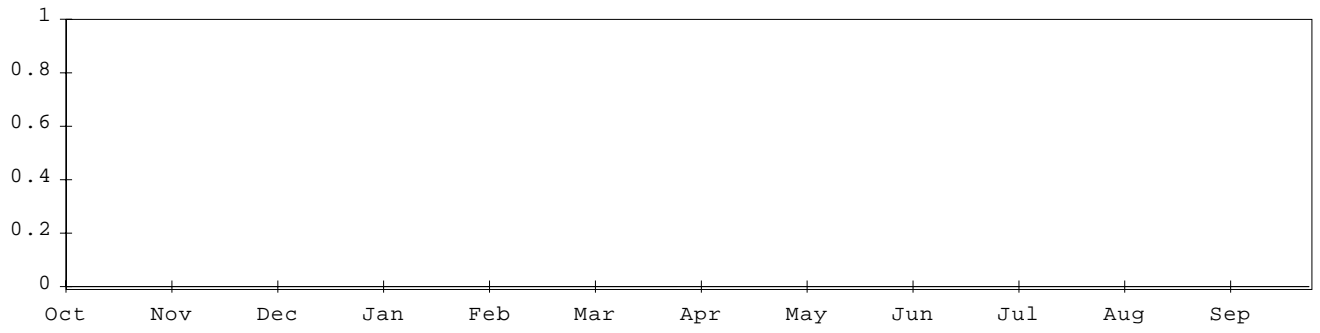
REMARKS.--No water flowed past this station during this water year. Station maintained and records developed by Division III Hydrographic staff.

RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.0	0.0	---
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC-FT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAL YR 1992 TOTAL	1326.0	MEAN	3.62	MAX	25	MIN	0.00	AC-FT	2630			
WTR YR 1993 TOTAL	0	MEAN	0.00	MAX	0.00	MIN	0.00	AC-FT	0.00			

NO PEAK DATA AVAILABLE



GUNNISON RIVER BASIN

09131490 MUDDY CREEK ABOVE PAONIA RESERVOIR

LOCATION.--Lat 38°59'15", long 107°20'53", in the NE¼SE¼NW¼ sec 28, T.12 S., R.89 W. in Gunnison County on the right bank 700 ft. downstream from county bridge and 1400 ft. upstream from high water line of Paonia Reservoir.

GAGE.--Water-stage recorder and satellite telemetry.

REMARKS.--The record is complete, reliable and good except for a period of ice from Nov. 25, 1992-Mar. 5, 1993 which is considered poor. The method employed to estimate this period used temperatures for Paonia Reservoir, measurements 153 and 154 during the ice period and measurement 152 going into the period and 155 coming out of the ice period. The station was operated and maintained by Gerald. M. Thrush.

RATING TABLE.--MUDAPRC004 USED FROM 01-OCT-1992 TO 5-MAR-1993

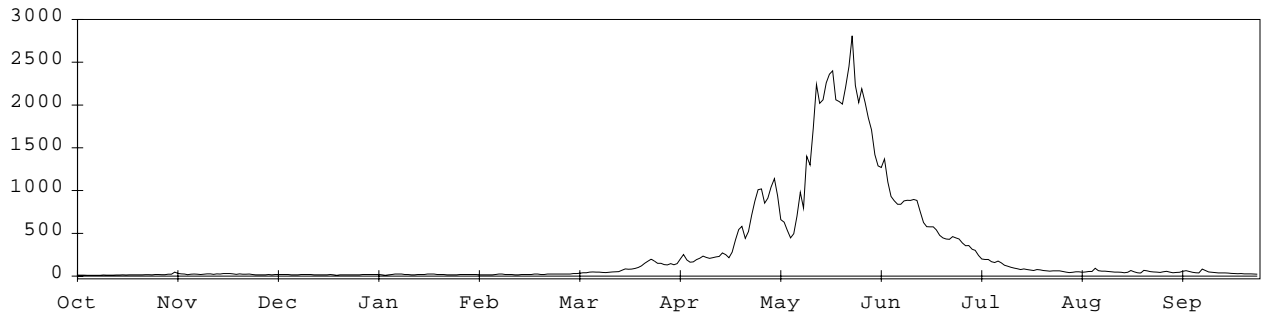
RATING TABLE.--MUDAPRC005 USED FROM 06-MAR-1993 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	32	20	20	20	25	130	852	2030	387	54	51
2	12	26	20	20	15	25	146	911	1850	356	47	56
3	11	24	20	15	15	30	134	1040	1710	357	42	46
4	9.8	17	20	10	15	30	145	1140	1420	313	45	40
5	9.1	22	20	15	15	35	200	938	1290	301	51	43
6	10	24	15	20	15	39	253	660	1270	241	52	44
7	10	23	15	25	20	40	189	630	1370	201	44	56
8	10	20	15	25	25	47	163	538	1100	194	50	63
9	13	23	20	25	25	48	167	448	932	195	55	55
10	12	27	20	20	20	46	193	497	881	169	54	45
11	12	26	20	20	20	47	210	700	841	159	91	40
12	12	21	20	15	20	43	234	981	839	176	64	38
13	13	26	15	15	15	41	219	795	879	155	59	82
14	13	24	15	20	15	45	207	1400	886	128	59	67
15	14	30	15	20	20	49	214	1300	885	116	55	50
16	13	29	15	20	20	52	224	1730	896	104	51	44
17	14	30	15	25	20	53	230	2240	884	93	47	41
18	14	27	20	25	20	70	272	2020	756	86	46	38
19	15	21	15	25	25	85	251	2060	626	77	44	38
20	14	26	10	20	25	80	216	2260	579	85	40	37
21	15	22	15	20	20	83	281	2360	576	77	45	36
22	16	22	15	20	20	90	425	2400	577	71	67	33
23	17	25	15	15	25	102	545	2060	540	65	52	30
24	15	19	15	15	25	120	582	2040	476	76	40	28
25	19	15	15	15	25	151	442	2010	448	73	36	29
26	20	15	15	15	25	174	521	2210	434	66	68	27
27	18	15	15	20	25	199	713	2450	430	62	61	27
28	17	15	20	20	25	175	877	2810	463	59	53	26
29	22	20	20	20	---	150	1010	2230	447	61	48	25
30	23	15	20	20	---	151	1020	2030	434	62	46	23
31	47	---	20	20	---	135	---	2190	---	61	43	---
TOTAL	470.9	681	530	600	575	2460	10413	47930	26749	4626	1609	1258
MEAN	15.2	22.7	17.1	19.4	20.5	79.4	347	1546	892	149	51.9	41.9
AC-FT	934	1350	1050	1190	1140	4880	20650	95070	53060	9180	3190	2500
MAX	47	32	20	25	25	199	1020	2810	2030	387	91	82
MIN	9.1	15	10	10	15	25	130	448	430	59	36	23

CAL YR 1992 TOTAL 29297.2 MEAN 80.0 MAX 721 MIN 6.4 AC-FT 58110
WTR YR 1993 TOTAL 97901.9 MEAN 268 MAX 2810 MIN 9.1 AC-FT 194200

MAX DISCH 3400 CFS AT 0330 28-MAY-1993 GH 9.85 FT. SHIFT -0.01 FT. MAX GH 9.85 FT. AT 0330
28-MAY-1993



GUNNISON RIVER BASIN

09131500 MUDDY CREEK BELOW PAONIA RESERVOIR

LOCATION.--Lat 38°56'26", long 107°21'24" in the SE¼NW¼NE¼ sec.8, T.13 S., R. 89 W. (in Gunnison County on the right hand bank), and about 100 feet above county bridge and about 1100 feet below Paonia Reservoir outlet.

GAGE.--Water-stage recorder and satellite telemetry float activated.

REMARKS.--Records complete, reliable and good except: During a period of ice in the stilling well that started on Nov. 25, 1992 and lasted thru Dec. 20, 1992. This period is considered to be fair. The period of high water during which we were unable to make a measurement. This period started about May 14, 1993 and lasted through June 18, 1993. This period is considered to be fair. Station maintained and records developed by Gerald M. Thrush.

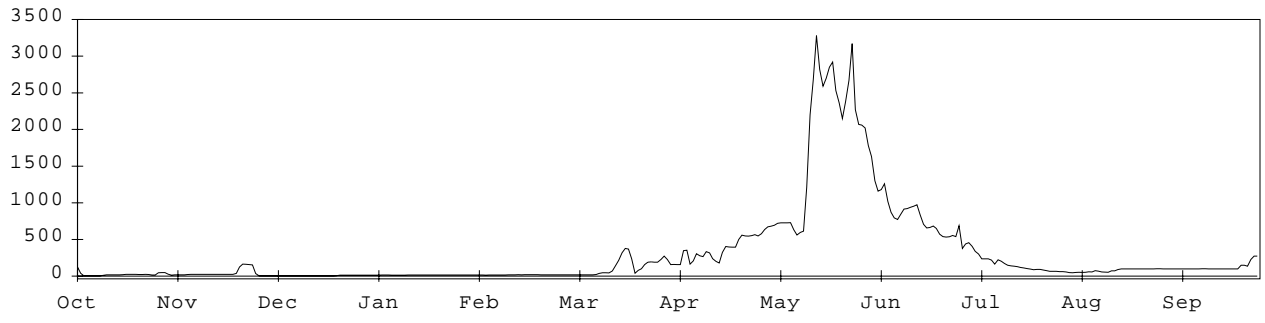
RATING TABLE.--MUDBPRCO04 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	18	5.0	14	15	17	227	635	2020	378	62	99
2	40	18	5.0	14	15	17	157	673	1780	439	56	99
3	4.1	18	5.0	15	15	18	159	680	1630	455	49	99
4	4.5	22	5.0	15	14	18	157	695	1300	407	47	99
5	4.4	24	5.0	15	15	18	157	720	1160	338	50	99
6	4.4	24	5.0	14	15	17	347	727	1180	303	51	99
7	4.5	24	5.0	13	15	17	355	726	1260	237	50	99
8	4.5	24	5.0	14	15	17	164	727	1020	235	53	99
9	11	24	5.0	14	15	17	207	728	871	237	60	99
10	18	24	5.0	14	16	23	305	633	794	218	56	99
11	18	24	5.0	15	17	38	278	561	773	165	75	99
12	18	24	5.0	15	18	45	267	597	845	223	68	99
13	18	24	5.0	15	18	45	334	613	914	203	58	101
14	18	24	5.0	15	19	44	316	1210	921	172	55	100
15	21	24	5.0	15	18	70	239	2200	940	149	52	99
16	24	24	5.0	15	19	142	201	2680	954	140	72	99
17	24	24	5.0	15	20	217	180	3280	974	135	72	99
18	24	24	5.0	15	20	318	324	2820	837	128	90	99
19	24	38	5.0	15	20	377	404	2590	707	118	97	99
20	23	124	7.0	16	19	370	398	2700	657	111	97	99
21	23	165	13	16	18	235	394	2850	664	103	97	99
22	24	161	13	16	18	39	396	2920	684	96	97	99
23	23	157	13	16	18	79	500	2530	650	88	97	99
24	15	152	13	16	17	101	559	2360	572	92	97	99
25	16	35	13	16	17	158	548	2150	538	92	97	149
26	47	5.0	13	16	17	190	546	2380	532	84	97	149
27	48	5.0	14	16	17	194	553	2670	536	74	98	136
28	48	5.0	14	16	17	191	565	3170	554	67	99	227
29	25	5.0	14	16	---	190	547	2270	539	65	99	274
30	14	5.0	14	16	---	227	578	2070	687	65	100	274
31	18	---	14	15	---	274	---	2060	---	62	100	---
TOTAL	734.4	1269.0	250.0	468	477	3723	10362	53625	27493	5679	2348	3588
MEAN	23.7	42.3	8.06	15.1	17.0	120	345	1730	916	183	75.7	120
AC-FT	1460	2520	496	928	946	7380	20550	106400	54530	11260	4660	7120
MAX	126	165	14	16	20	377	578	3280	2020	455	100	274
MIN	4.1	5.0	5.0	13	14	17	157	561	532	62	47	99

CAL YR 1992 TOTAL 31541.4 MEAN 86.2 MAX 760 MIN 4.1 AC-FT 62560
WTR YR 1993 TOTAL 110016.4 MEAN 301 MAX 3280 MIN 4.1 AC-FT 218200

MAX DISCH 4115 CFS AT 0415 28-MAY-1993 GH 8.67 FT. SHIFT 0.11 FT. MAX GH 8.67 FT. AT 0415
28-MAY-1993



GUNNISON RIVER BASIN

ABC LATERAL NEAR MONTROSE, COLO

LOCATION.--Lat 38°29'06", long 107°44'57", in SE¼NE¼NE¼ sec. 27, T.49 N., R.8 W., Montrose County, on left bank of canal 270 ft. below takeout from South Canal, such takeout being 1700 ft. below the west portal of the Gunnison Tunnel.

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

REMARKS.--Canal's normal operation from Oct. 1, 1992-Nov. 2, 1992. Seepage flows from the Gunnison Tunnel from Nov. 3, 1992-Mar. 21, 1993. Normal operation from Mar. 22,-Sep. 30, 1993. The record is complete, reliable and good. Station maintained and records developed by Gerald M. Thrush.

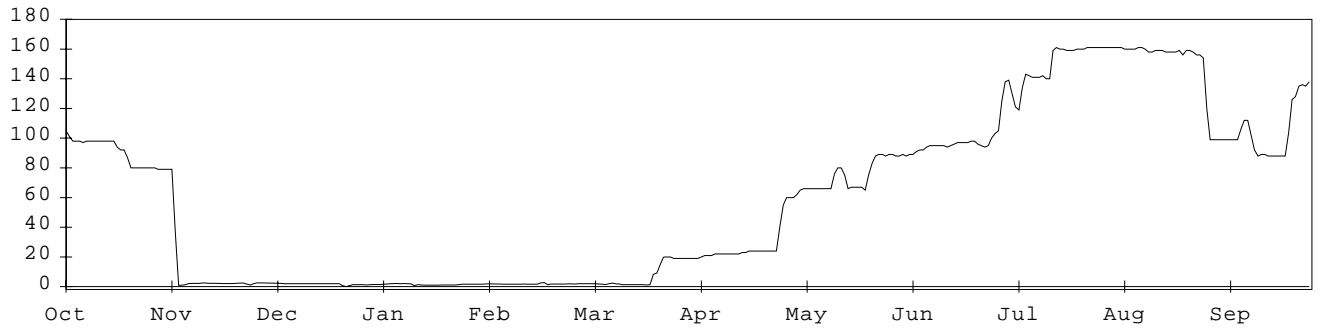
RATING TABLE.--ABCLATCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	79	2.3	1.5	1.9	2.0	19	60	88	105	161	99
2	101	37	2.3	1.6	1.9	2.0	19	60	88	125	161	99
3	98	0.92	2.2	1.8	1.9	2.0	19	62	89	138	161	99
4	98	1.0	2.0	2.0	1.8	2.0	19	65	88	139	161	99
5	98	1.3	2.0	2.1	1.8	2.0	20	66	89	130	161	99
6	97	2.1	2.0	2.1	1.7	1.8	21	66	89	121	161	99
7	98	2.2	2.0	2.0	1.7	1.6	21	66	91	119	160	99
8	98	2.2	2.0	2.1	1.7	1.5	21	66	92	134	160	99
9	98	2.2	2.0	2.0	1.7	2.0	22	66	92	143	160	99
10	98	2.6	2.0	1.9	1.7	2.4	22	66	94	142	160	106
11	98	2.4	2.0	0.68	1.7	1.9	22	66	95	141	161	112
12	98	2.2	2.0	1.4	1.8	1.8	22	66	95	141	161	112
13	98	2.3	2.0	1.1	1.6	1.4	22	66	95	141	160	102
14	98	2.2	2.0	1.0	1.6	1.4	22	76	95	142	158	92
15	98	2.2	2.0	1.0	1.6	1.4	22	80	95	140	158	88
16	94	2.1	2.0	1.0	1.7	1.3	22	80	94	140	159	89
17	92	2.1	2.0	1.0	2.5	1.3	23	75	95	159	159	89
18	92	2.1	2.0	1.0	2.8	1.3	23	66	96	161	159	88
19	87	2.1	2.0	1.1	1.4	1.3	24	67	97	160	158	88
20	80	2.3	2.0	1.1	1.8	1.2	24	67	97	160	158	88
21	80	2.4	0.71	1.2	1.8	1.3	24	67	97	159	158	88
22	80	2.4	0.0	1.2	1.8	8.2	24	67	97	159	158	88
23	80	1.6	0.76	1.2	1.8	9.2	24	65	98	159	159	88
24	80	1.1	1.4	1.3	1.8	15	24	75	98	160	156	104
25	80	2.1	1.3	1.6	1.9	20	24	83	96	160	159	126
26	80	2.6	1.3	1.7	1.9	20	24	88	95	160	159	128
27	80	2.6	1.3	1.7	1.8	20	24	89	94	161	158	135
28	79	2.5	1.2	1.7	2.0	19	40	89	95	161	156	136
29	79	2.4	1.3	1.7	---	19	55	88	100	161	156	135
30	79	2.4	1.5	1.6	---	19	60	89	103	161	154	138
31	79	---	1.5	1.7	---	19	---	89	---	161	120	---
TOTAL	2800	174.62	53.08	46.08	51.1	203.3	752	2241	2827	4543	4890	3111
MEAN	90.3	5.82	1.71	1.49	1.83	6.56	25.1	72.3	94.2	147	158	104
AC-FT	5550	346	105	91	101	403	1490	4450	5610	9010	9700	6170
MAX	105	79	2.3	2.1	2.8	20	60	89	103	161	161	138
MIN	79	0.92	0.0	0.68	1.4	1.2	19	60	88	105	120	88

CAL YR 1992 TOTAL 26419.61 MEAN 72.2 MAX 175 MIN 0.00 AC-FT 52400
WTR YR 1993 TOTAL 21692.17 MEAN 59.4 MAX 161 MIN 0.00 AC-FT 43030

MAX DISCH 163 CFS AT 0945 17-JUL-1993 GH 3.50 FT. SHIFT -0.12 FT. MAX GH 3.50 FT. AT 0945
17-JUL-1993



GUNNISON RIVER BASIN

SOUTH CANAL NEAR MONTROSE, COLO

LOCATION.--Lat 38°29'01", long 107°45'20", in NE¼SW¼NE¼ sec 27, T.49 N., R.8 W., Montrose County, on right bank of canal approximately 3600 ft. below the west portal of the Gunnison Tunnel.

GAGE.--Water-state recorder with satellite telemetry.

REMARKS.--Normal operation of the Canal was from Oct. 1, 1992 to Nov. 2, 1992 and from Mar. 22, 1993 to Sep. 30, 1993. The Gunnison Tunnel used South Canal on Nov. 23-24; Dec. 21-22, 1992; Jan.11-12; Feb. 17-18; Mar. 9-10, 1993 to fill Fairview Lake. These diversions for the winter period were fair. All the records are complete, accurate, and good except for periods which are fair. The station maintained and records developed by Gerald M. Thrush.

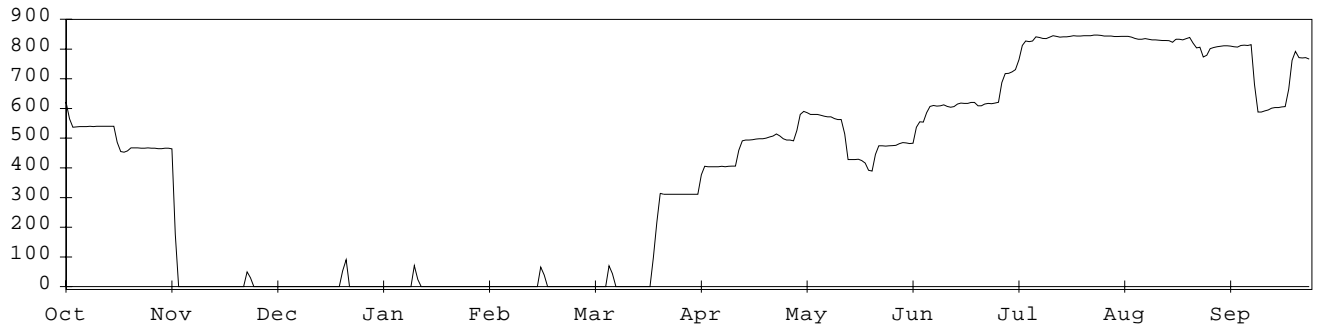
RATING TABLE.--SOUCANCO12 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	622	464	0.0	0.0	0.0	0.0	311	494	476	621	844	801
2	565	177	0.0	0.0	0.0	0.0	311	491	481	687	844	805
3	537	0.0	0.0	0.0	0.0	0.0	311	526	485	717	844	808
4	538	0.0	0.0	0.0	0.0	0.0	311	580	484	718	842	809
5	539	0.0	0.0	0.0	0.0	0.0	377	590	482	723	842	811
6	539	0.0	0.0	0.0	0.0	0.0	405	586	483	731	843	811
7	539	0.0	0.0	0.0	0.0	0.0	404	580	537	764	843	810
8	540	0.0	0.0	0.0	0.0	0.0	404	580	555	812	843	808
9	539	0.0	0.0	0.0	0.0	70	404	580	554	827	840	807
10	540	0.0	0.0	0.0	0.0	44	404	577	586	825	836	812
11	540	0.0	0.0	71	0.0	0.0	405	574	607	827	833	813
12	540	0.0	0.0	24	0.0	0.0	404	572	610	841	833	812
13	540	0.0	0.0	0.0	0.0	0.0	405	572	608	839	835	815
14	540	0.0	0.0	0.0	0.0	0.0	406	566	609	836	833	681
15	540	0.0	0.0	0.0	0.0	0.0	406	563	612	835	831	588
16	486	0.0	0.0	0.0	0.0	0.0	459	563	607	840	831	588
17	455	0.0	0.0	0.0	66	0.0	491	514	604	845	830	592
18	453	0.0	0.0	0.0	39	0.0	494	428	606	843	829	595
19	457	0.0	0.0	0.0	0.0	0.0	494	428	615	840	829	601
20	467	0.0	0.0	0.0	0.0	0.0	495	428	618	841	828	603
21	467	0.0	53	0.0	0.0	0.0	497	429	617	841	823	603
22	467	0.0	91	0.0	0.0	98	498	425	617	843	833	605
23	466	50	0.0	0.0	0.0	218	498	416	620	845	833	606
24	466	30	0.0	0.0	0.0	314	500	392	620	844	831	665
25	467	0.0	0.0	0.0	0.0	311	504	389	609	844	835	762
26	466	0.0	0.0	0.0	0.0	311	507	445	609	845	839	792
27	466	0.0	0.0	0.0	0.0	311	514	474	615	845	820	771
28	465	0.0	0.0	0.0	0.0	311	508	474	617	845	804	770
29	465	0.0	0.0	0.0	---	311	498	473	616	847	806	771
30	466	0.0	0.0	0.0	---	311	494	474	618	847	773	766
31	466	---	0.0	0.0	---	311	---	475	---	846	779	---
TOTAL	15643	721	144	95	105	2921	13119	15658	17377	25104	25709	21881
MEAN	505	24.0	4.65	3.06	3.75	94.2	437	505	579	810	829	729
AC-FT	31030	1430	286	188	208	5790	26020	31060	34470	49790	50990	43400
MAX	622	464	91	71	66	314	514	590	620	847	844	815
MIN	453	0.0	0.0	0.0	0.0	0.0	311	389	476	621	773	588

CAL YR 1992 TOTAL 146798 MEAN 401 MAX 824 MIN 0.00 AC-FT 291200
WTR YR 1993 TOTAL 138477 MEAN 379 MAX 847 MIN 0.00 AC-FT 274700

MAX DISCH 917 CFS AT 0715 13-JUL-1993 GH 3.04 FT. SHIFT -0.49 FT. MAX GH 3.41 FT. AT 2130
24-AUG-1993



GUNNISON RIVER BASIN

REDLANDS CANAL NEAR GRAND JUNCTION, COLO

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 and reliable except for the following period: Jan. 4-5, 1993 when stage-discharge relation affected by ice. Inlets were plugged from May 15-18, 1993. Discharge was estimated using power production records. This period is considered poor record. Records good except for estimated ice period which is fair. Station maintained and records developed by Gerald M. Thrush.

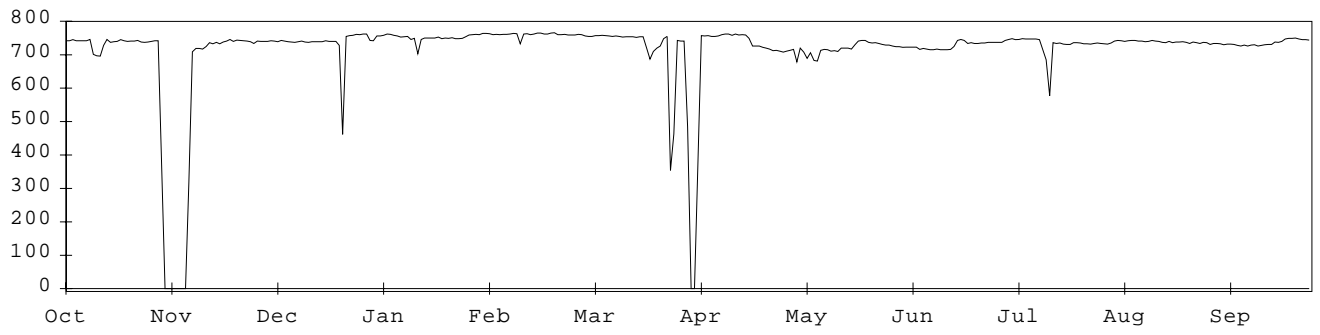
RATING TABLE.--RLCGRJCO04 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	742	0.0	741	756	764	760	485	713	724	737	733	731
2	742	0.0	739	758	763	756	0.0	716	724	737	732	734
3	745	0.0	743	762	760	755	0.0	679	722	743	735	734
4	742	0.0	741	761	761	755	366	720	723	746	741	733
5	742	0.0	739	758	760	757	757	708	723	748	743	730
6	742	319	738	756	761	757	756	689	723	745	742	732
7	742	709	737	753	761	758	757	706	723	746	740	732
8	746	719	739	754	762	757	755	683	716	748	742	731
9	701	719	741	755	764	756	755	681	719	747	743	728
10	697	717	738	746	763	755	756	713	717	747	743	726
11	696	725	737	749	733	756	760	716	715	747	741	729
12	728	736	739	703	762	755	762	715	715	747	741	726
13	746	733	739	746	763	753	762	711	717	745	739	729
14	737	737	739	750	760	754	758	712	715	715	740	730
15	739	733	739	750	762	754	762	710	715	685	743	726
16	740	738	742	750	765	754	759	720	715	577	741	728
17	745	741	740	750	765	752	760	720	716	736	740	730
18	742	746	740	753	762	754	759	720	725	734	737	731
19	740	740	740	748	762	754	749	717	743	735	736	731
20	741	744	728	750	765	720	726	730	746	732	740	738
21	741	743	462	749	766	687	726	741	743	731	736	737
22	743	742	755	751	760	710	726	743	734	731	738	740
23	738	741	757	748	760	720	722	743	736	736	738	747
24	737	739	758	748	761	726	720	737	734	736	739	749
25	738	734	761	749	759	748	717	735	734	735	737	749
26	740	741	760	754	759	755	712	736	735	733	734	750
27	742	740	762	759	759	354	713	734	735	733	738	747
28	742	740	762	760	761	463	711	731	737	732	736	745
29	364	740	743	761	---	743	708	729	737	734	734	745
30	0.0	742	742	760	---	741	711	729	737	735	737	744
31	0.0	---	756	764	---	741	---	726	---	734	736	---
TOTAL	20980	17958	22797	23311	21303	22460	20110	22263	21798	22667	22895	22062
MEAN	677	599	735	752	761	725	670	718	727	731	739	735
AC-FT	41610	35620	45220	46240	42250	44550	39890	44160	43240	44960	45410	43760
MAX	746	746	762	764	766	760	762	743	746	748	743	750
MIN	0.0	0.0	462	703	733	354	0.0	679	715	577	732	726

CAL YR 1992 TOTAL	261108	MEAN	713	MAX	762	MIN	0.00	AC-FT	517900
WTR YR 1993 TOTAL	260604	MEAN	714	MAX	766	MIN	0.00	AC-FT	516900

MAX DISCH 842 CFS AT 1845 16-JUL-1993 GH 7.40 FT. SHIFT -0.11 FT. MAX GH 7.40 FT. AT 1845
16-JUL-1993



GUNNISON RIVER BASIN
UNCOMPAGRE RIVER NEAR OLATHE

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.

REMARKS.--The gage operated from Oct. 1, 1992 to Sep. 30, 1993. The record is complete reliable and good. There were 11 days which had four or more values missing from the primary record of satellite transmitted data from the DCP. These values were recorded on the electronic data logger and used to edit the record and therefore are considered complete and good. The EDL is the secondary record for this station. Station operated and maintained by Gerald Thrush.

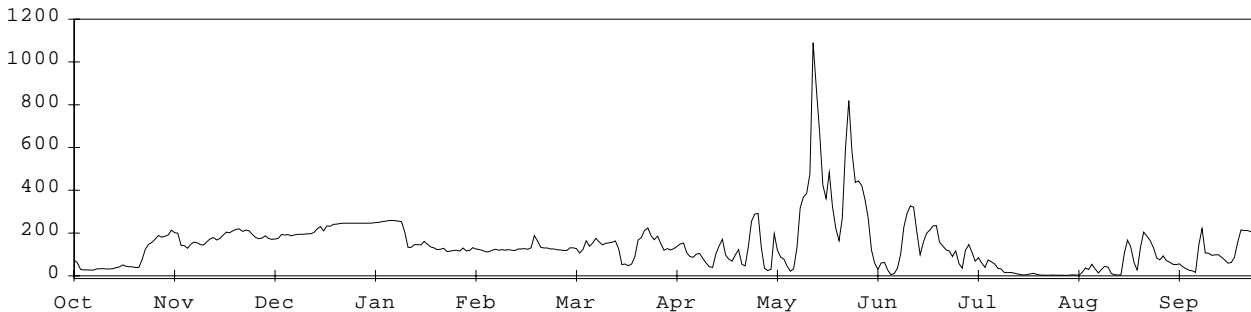
RATING TABLE.--UNCOLACO03 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	202	171	247	132	119	120	134	422	57	2.6	75
2	62	199	172	249	126	118	127	35	358	36	2.6	94
3	31	142	175	250	123	131	121	25	272	120	2.5	71
4	28	141	194	254	119	131	127	31	120	146	3.0	64
5	28	129	191	255	112	127	137	197	58	112	4.5	54
6	27	147	193	258	113	107	149	119	30	69	3.7	52
7	27	158	187	259	120	124	153	87	60	85	2.9	56
8	33	154	192	258	124	164	109	79	63	61	17	43
9	33	146	194	256	120	138	91	45	28	40	37	34
10	34	144	195	254	123	154	87	22	6.3	74	29	26
11	32	160	195	204	120	175	102	32	11	66	54	23
12	32	174	197	133	123	159	105	132	35	55	33	17
13	34	179	197	133	120	145	81	316	101	35	14	146
14	38	168	203	146	118	152	59	368	227	32	31	221
15	42	175	219	146	126	154	43	386	292	16	45	107
16	51	191	230	145	126	157	40	477	327	15	40	106
17	45	204	210	161	127	163	101	1090	321	16	11	96
18	43	201	233	148	124	126	139	878	206	13	5.4	98
19	42	211	232	135	131	52	171	667	99	8.8	3.9	99
20	39	218	241	131	189	55	98	424	157	5.6	4.3	87
21	40	219	242	123	162	47	78	362	199	4.0	105	74
22	78	208	245	124	133	55	69	484	215	6.0	167	59
23	126	214	246	129	130	90	98	324	233	8.8	135	63
24	147	210	246	114	130	168	123	221	235	12	61	86
25	156	194	246	115	126	179	54	165	158	6.6	26	158
26	171	180	246	118	126	212	46	268	140	3.8	133	215
27	189	174	246	120	122	224	135	605	122	3.3	204	212
28	181	177	246	116	121	188	255	819	116	3.1	185	212
29	185	187	246	130	---	169	289	580	91	2.9	165	207
30	191	175	246	117	---	186	292	437	117	3.9	132	196
31	213	---	246	119	---	151	---	444	---	3.2	83	---
TOTAL	2451	5381	6722	5347	3566	4320	3599	10253	4819.3	1120.0	1742.4	3051
MEAN	79.1	179	217	172	127	139	120	331	161	36.1	56.2	102
AC-FT	4860	10670	13330	10610	7070	8570	7140	20340	9560	2220	3460	6050
MAX	213	219	246	259	189	224	292	1090	422	146	204	221
MIN	27	129	171	114	112	47	40	22	6.3	2.9	2.5	17

CAL YR 1992 TOTAL 43151.6 MEAN 118 MAX 2850 MIN 0.00 AC-FT 85590
WTR YR 1993 TOTAL 52371.7 MEAN 143 MAX 1090 MIN 2.5 AC-FT 103900

MAX DISCH 1292 CFS AT 2030 17-MAY-1993 GH 4.90 FT. SHIFT -0.24 FT. MAX GH 4.90 FT. AT 2030 17-MAY-1993



ROARING FORK RIVER BASIN

ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN, CO

LOCATION.--Lat 39°13'30", long 106°51'30", NW¼SW¼ sec.5, T.9 S., R.85 W., Pitkin County, on left bank at Aspen Consolidated Sanitation Plant 0.5 mi east of Aspen Airport and 0.8 mi downstream from confluence of Maroon Creek.

DRAINAGE AREA.--N/A

GAGE.--Continuous water-stage recorder with satellite telemetry in 4'x6' concrete shelter. Control is a natural section.

REMARKS.--Records are good except for periods of ice effect, which are fair. Record was lost on Oct. 7 to Oct. 15, 1992 when the chart ran out and satellite equipment was not working. Record was affected by ice on Nov. 26-30, Dec. 1, 7-9, 14-30, 1992, Jan. 4-7, 13, 24-31, Feb. 5-7, 15, 1993. A series of avalanches on Feb. 20, 1993 temporarily shut off the flow of several major tributaries and drastically reduced the flow on Feb. 20, 21, and 22. Station maintained and records developed by Wayne I. Schieldt.

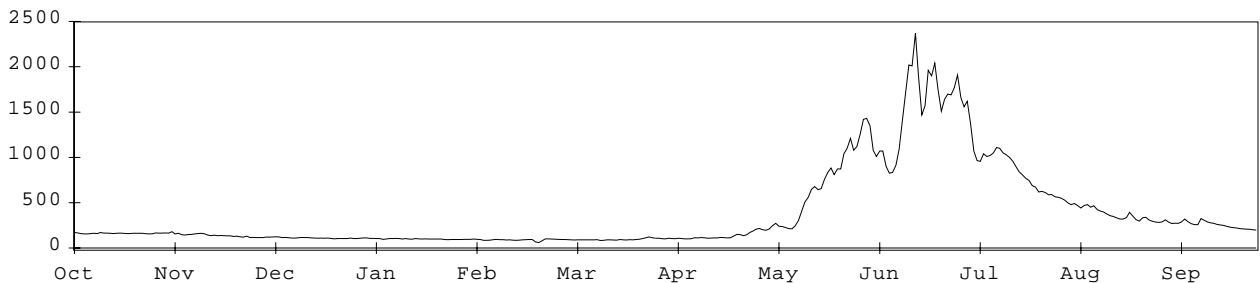
RATING TABLE.--ROABMCCO1 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	171	155	123	106	99	95	101	201	1420	1660	550	288
2	167	163	125	105	96	93	108	197	1430	1560	529	311
3	159	147	123	105	94	91	104	212	1350	1620	498	287
4	156	144	116	96	86	89	103	248	1080	1380	479	271
5	156	148	117	100	85	91	109	272	1010	1070	492	275
6	159	151	114	105	88	90	105	242	1070	966	469	273
7	162	155	110	105	92	90	101	238	1070	955	443	289
8	159	160	110	107	96	90	101	227	899	1040	470	320
9	171	163	114	104	93	91	103	214	826	1010	480	290
10	165	157	117	99	92	91	114	213	835	1020	451	269
11	165	144	116	104	89	92	111	245	913	1050	467	258
12	162	137	116	99	90	84	115	305	1090	1110	424	258
13	159	142	112	98	88	86	113	407	1400	1100	408	326
14	162	137	110	105	85	90	109	508	1720	1050	397	306
15	165	139	108	102	88	91	110	560	2020	1030	374	288
16	162	137	110	100	91	89	111	647	2010	1000	357	278
17	160	135	108	102	93	87	112	678	2370	959	349	272
18	159	135	110	100	95	94	118	645	1900	899	333	261
19	162	127	107	100	94	91	116	656	1470	839	321	255
20	162	131	102	100	68	89	112	757	1570	807	320	250
21	162	125	105	100	61	93	114	834	1960	770	336	239
22	162	121	105	99	80	91	132	883	1900	745	394	230
23	158	131	105	95	102	94	151	811	2040	690	351	226
24	156	118	105	93	101	98	149	873	1750	674	314	222
25	158	118	110	94	99	105	136	873	1510	618	298	214
26	166	115	105	95	98	114	145	1040	1640	626	334	211
27	165	115	105	95	96	122	171	1100	1700	613	339	209
28	165	115	108	95	94	113	188	1210	1690	589	310	206
29	167	120	112	96	---	109	208	1080	1770	590	296	202
30	164	120	112	96	---	109	217	1120	1910	566	287	198
31	180	---	107	96	---	103	---	1260	---	561	284	---
TOTAL	5046	4105	3447	3096	2533	2955	3787	18756	45323	29167	12154	7782
MEAN	163	137	111	99.9	90.5	95.3	126	605	1511	941	392	259
AC-FT	10010	8140	6840	6140	5020	5860	7510	37200	89900	57850	24110	15440
MAX	180	163	125	107	102	122	217	1260	2370	1660	550	326
MIN	156	115	102	93	61	84	101	197	826	561	284	198

CAL YR 1992 TOTAL 89734 MEAN 245 MAX 834 MIN 80 AC-FT 178000
WTR YR 1993 TOTAL 138151 MEAN 378 MAX 2370 MIN 61 AC-FT 274000

MAX DISCH 2840 CFS AT 0455 17-JUN-1993 GH 5.75 FT. SHIFT -0.10 FT. MAX GH 5.75 FT. AT 0455 17-JUN-1993



ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO

LOCATION.--Lat 39°14'42", long 106°31'50", Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2.0 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, Co.

DRAINAGE AREA.--18.7 mi².

GAGE.--Graphic water-stage recorder at 10 ft concrete suppressed weir.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was closed from Nov. 1 1992 to Apr. 28, 1993. Transmountain diversion above station diverted water May 12 to Sep. 19, 1993 through Charles H. Boustead tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Wayne I. Schieldt.

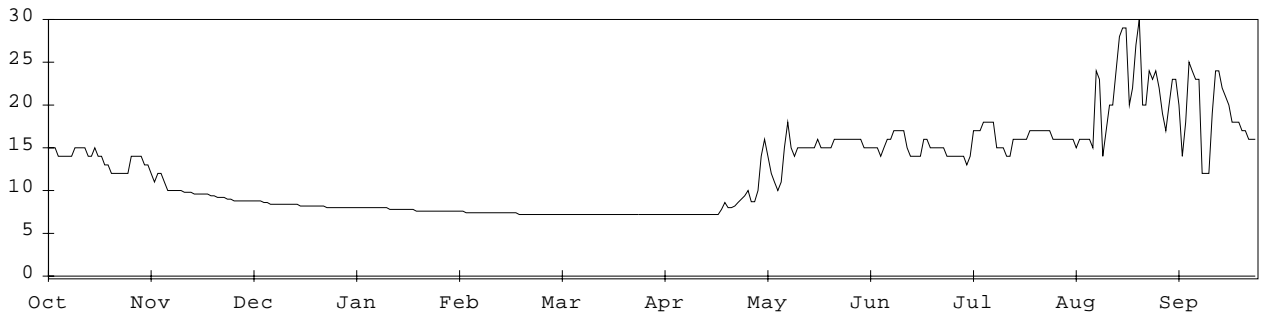
RATING TABLE.--FRYIVLCO08 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	12	8.8	8.0	7.6	7.2	7.2	8.7	16	14	16	22
2	15	11	8.8	8.0	7.6	7.2	7.2	8.7	16	14	16	19
3	15	12	8.8	8.0	7.6	7.2	7.2	10	16	14	16	17
4	14	12	8.8	8.0	7.4	7.2	7.2	14	15	14	16	20
5	14	11	8.6	8.0	7.4	7.2	7.2	16	15	13	16	23
6	14	10	8.6	8.0	7.4	7.2	7.2	14	15	14	16	23
7	14	10	8.4	8.0	7.4	7.2	7.2	12	15	17	15	20
8	14	10	8.4	8.0	7.4	7.2	7.2	11	15	17	16	14
9	15	10	8.4	8.0	7.4	7.2	7.2	10	14	17	16	18
10	15	10	8.4	8.0	7.4	7.2	7.2	11	15	18	16	25
11	15	9.8	8.4	8.0	7.4	7.2	7.2	15	16	18	16	24
12	15	9.8	8.4	7.8	7.4	7.2	7.2	18	16	18	15	23
13	14	9.8	8.4	7.8	7.4	7.2	7.2	15	17	18	24	23
14	14	9.6	8.4	7.8	7.4	7.2	7.2	14	17	15	23	12
15	15	9.6	8.4	7.8	7.4	7.2	7.2	15	17	15	14	12
16	14	9.6	8.2	7.8	7.4	7.2	7.2	15	17	15	17	12
17	14	9.6	8.2	7.8	7.4	7.2	7.2	15	15	14	20	19
18	13	9.6	8.2	7.8	7.4	7.2	7.2	15	14	14	20	24
19	13	9.4	8.2	7.8	7.4	7.2	7.2	15	14	16	24	24
20	12	9.4	8.2	7.6	7.2	7.2	7.2	15	14	16	28	22
21	12	9.2	8.2	7.6	7.2	7.2	7.2	16	14	16	29	21
22	12	9.2	8.2	7.6	7.2	7.2	7.8	15	16	16	29	20
23	12	9.2	8.2	7.6	7.2	7.2	8.6	15	16	16	20	18
24	12	9.0	8.0	7.6	7.2	7.2	8.0	15	15	17	22	18
25	12	9.0	8.0	7.6	7.2	7.2	8.0	15	15	17	27	18
26	14	8.8	8.0	7.6	7.2	7.2	8.2	16	15	17	30	17
27	14	8.8	8.0	7.6	7.2	7.2	8.6	16	15	17	20	17
28	14	8.8	8.0	7.6	7.2	7.2	9.0	16	15	17	20	16
29	14	8.8	8.0	7.6	---	7.2	9.4	16	14	17	24	16
30	13	8.8	8.0	7.6	---	7.2	10	16	14	17	23	16
31	13	---	8.0	7.6	---	7.2	---	16	---	16	24	---
TOTAL	426	293.8	257.6	241.6	206.0	223.2	228.8	439.4	458	494	628	573
MEAN	13.7	9.79	8.31	7.79	7.36	7.20	7.63	14.2	15.3	15.9	20.3	19.1
AC-FT	845	583	511	479	409	443	454	872	908	980	1250	1140
MAX	15	12	8.8	8.0	7.6	7.2	10	18	17	18	30	25
MIN	12	8.8	8.0	7.6	7.2	7.2	7.2	8.7	14	13	14	12

CAL YR 1992 TOTAL 5265.8 MEAN 14.4 MAX 55 MIN 4.3 AC-FT 10440
WTR YR 1993 TOTAL 4469.4 MEAN 12.2 MAX 30 MIN 7.2 AC-FT 8870

MAX DISCH 120 CFS AT 1300 15-JUN-1993 GH 2.37 FT. SHIFT 0.04 FT. MAX GH 2.37 FT. AT 1300
15-JUN-1993



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, about 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.89 mi southeast of Norrie, Co.

DRAINAGE AREA.--9.43 mi².

GAGE.--Graphic water-stage recorder at v-notch, sharp-crested weir. Altitude of gage is 9,980 ft, from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was closed from Oct. 24, 1991-Apr. 29, 1992. Transmountain diversions above station through Busk-Ivanhoe and Charles H. Boustead tunnels to Arkansas River basin. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Wayne I. Schieldt.

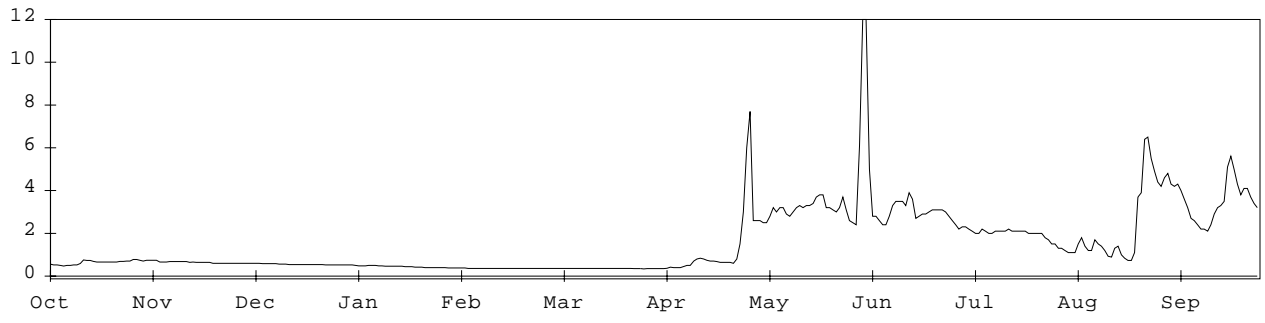
RATING TABLE.--IVCRNACO3 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.56	0.74	0.60	0.50	0.38	0.36	0.35	2.6	6.1	2.2	1.3	4.6
2	0.52	0.74	0.60	0.48	0.38	0.36	0.35	2.6	12	2.3	1.2	4.8
3	0.52	0.66	0.60	0.48	0.38	0.36	0.35	2.5	12	2.3	1.1	4.3
4	0.50	0.66	0.58	0.48	0.36	0.36	0.37	2.5	5.0	2.2	1.1	4.2
5	0.47	0.66	0.58	0.50	0.36	0.36	0.42	2.8	2.8	2.1	1.1	4.3
6	0.50	0.68	0.58	0.50	0.36	0.36	0.40	3.2	2.8	2.0	1.5	4.0
7	0.50	0.68	0.58	0.50	0.36	0.36	0.40	3.0	2.6	2.0	1.8	3.6
8	0.52	0.68	0.58	0.48	0.36	0.36	0.40	3.2	2.4	2.2	1.4	3.2
9	0.52	0.68	0.56	0.48	0.36	0.36	0.45	3.2	2.4	2.1	1.2	2.7
10	0.59	0.68	0.56	0.46	0.36	0.36	0.50	2.9	2.8	2.0	1.2	2.6
11	0.76	0.68	0.56	0.46	0.36	0.36	0.50	2.8	3.3	2.0	1.7	2.4
12	0.73	0.64	0.54	0.46	0.36	0.36	0.70	3.0	3.5	2.1	1.5	2.2
13	0.73	0.66	0.54	0.46	0.36	0.36	0.80	3.2	3.5	2.1	1.4	2.2
14	0.69	0.64	0.54	0.46	0.36	0.36	0.84	3.3	3.5	2.1	1.2	2.1
15	0.66	0.64	0.54	0.46	0.36	0.36	0.80	3.2	3.3	2.1	0.93	2.4
16	0.66	0.64	0.54	0.44	0.36	0.36	0.74	3.3	3.9	2.2	0.89	2.9
17	0.66	0.64	0.54	0.44	0.36	0.36	0.70	3.3	3.6	2.1	1.3	3.2
18	0.66	0.64	0.54	0.44	0.36	0.36	0.70	3.4	2.7	2.1	1.4	3.3
19	0.66	0.60	0.54	0.42	0.36	0.36	0.68	3.7	2.8	2.1	1.0	3.5
20	0.66	0.60	0.54	0.42	0.36	0.36	0.64	3.8	2.9	2.1	0.84	5.1
21	0.66	0.60	0.54	0.42	0.36	0.36	0.64	3.8	2.9	2.1	0.73	5.6
22	0.69	0.60	0.54	0.40	0.36	0.36	0.64	3.2	3.0	2.0	0.73	5.0
23	0.69	0.60	0.52	0.40	0.36	0.36	0.64	3.2	3.1	2.0	1.1	4.3
24	0.70	0.60	0.52	0.40	0.36	0.36	0.60	3.1	3.1	2.0	3.7	3.8
25	0.70	0.60	0.52	0.40	0.36	0.35	0.80	3.0	3.1	2.0	3.9	4.1
26	0.78	0.60	0.52	0.40	0.36	0.35	1.5	3.2	3.1	2.0	6.4	4.1
27	0.78	0.60	0.52	0.40	0.36	0.35	3.0	3.7	3.0	1.8	6.5	3.7
28	0.74	0.60	0.52	0.40	0.36	0.34	6.0	3.1	2.8	1.7	5.5	3.4
29	0.70	0.60	0.52	0.38	0.36	0.35	7.7	2.6	2.6	1.5	4.9	3.2
30	0.74	0.60	0.52	0.38	---	0.35	2.6	2.5	2.4	1.5	4.4	2.5
31	0.74	---	0.52	0.38	---	0.35	---	2.4	---	1.3	4.2	---
TOTAL	19.96	19.24	17.00	13.68	10.50	11.08	35.21	95.3	113.0	62.3	67.11	107.3
MEAN	0.64	0.64	0.55	0.44	0.36	0.36	1.17	3.07	3.77	2.01	2.16	3.58
AC-FT	40	38	34	27	21	22	70	189	224	124	133	213
MAX	0.78	0.74	0.60	0.50	0.38	0.36	7.7	3.8	12	2.3	6.5	5.6
MIN	0.47	0.60	0.52	0.38	0.36	0.34	0.35	2.4	2.4	1.3	0.73	2.1

CAL YR 1991 TOTAL 56.20 MEAN 0.15 MAX 0.78 MIN 0.47 AC-FT 111
WTR YR 1992 TOTAL 571.68 MEAN 1.56 MAX 12 MIN 0.34 AC-FT 1130

MAX DISCH 12 CFS AT 0100 04-JUN-1992 GH 1.46 FT. SHIFT -0.01 FT. MAX GH 1.46 FT. AT 0100
04-JUN-1992



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, about 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.89 mi southeast of Norrie, Co.

DRAINAGE AREA.--9.43 mi².

GAGE.--Graphic water-stage recorder at v-notch, sharp-crested weir. Altitude of gage is 9,980 ft, from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was closed from Oct. 26, 1992-Apr. 28, 1993. Transmountain diversions above station through Busk-Ivanhoe and Charles H. Boustead tunnels to Arkansas River basin. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Wayne I. Schieldt.

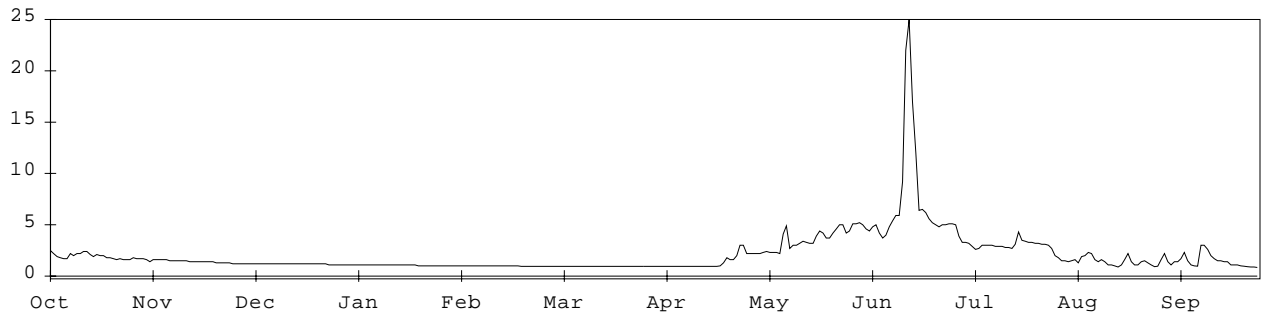
RATING TABLE.--IVCRNACO3 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	1.6	1.2	1.1	1.0	0.95	0.95	2.2	5.1	5.0	1.8	1.6
2	2.2	1.6	1.2	1.1	1.0	0.95	0.95	2.2	5.2	3.9	1.5	2.2
3	1.9	1.6	1.2	1.1	1.0	0.95	0.95	2.2	5.0	3.3	1.5	1.4
4	1.8	1.6	1.2	1.1	1.0	0.95	0.95	2.3	4.6	3.3	1.4	1.1
5	1.7	1.6	1.2	1.1	1.0	0.95	0.95	2.4	4.4	3.2	1.5	1.4
6	1.7	1.5	1.2	1.1	1.0	0.95	0.95	2.3	4.8	2.9	1.6	1.4
7	2.2	1.5	1.2	1.1	1.0	0.95	0.95	2.3	5.0	2.6	1.3	1.7
8	2.0	1.5	1.2	1.1	1.0	0.95	0.95	2.3	4.2	2.7	1.9	2.3
9	2.2	1.5	1.2	1.1	1.0	0.95	0.95	2.2	3.7	3.0	2.0	1.5
10	2.2	1.5	1.2	1.1	1.0	0.95	0.95	4.1	4.0	3.0	2.3	1.1
11	2.4	1.5	1.2	1.1	1.0	0.95	0.95	4.9	4.8	3.0	2.2	1.0
12	2.4	1.4	1.2	1.1	1.0	0.95	0.95	2.7	5.4	3.0	1.6	0.97
13	2.1	1.4	1.2	1.1	1.0	0.95	0.95	3.0	5.9	2.9	1.4	3.0
14	1.9	1.4	1.2	1.1	1.0	0.95	0.95	3.0	5.9	2.9	1.6	3.0
15	2.1	1.4	1.2	1.1	1.0	0.95	0.95	3.2	9.2	2.9	1.4	2.6
16	2.0	1.4	1.2	1.1	1.0	0.95	0.95	3.4	22	2.8	1.1	2.0
17	2.0	1.4	1.2	1.1	1.0	0.95	0.95	3.3	25	2.8	1.1	1.7
18	1.8	1.4	1.2	1.1	1.0	0.95	0.95	3.2	17	2.7	1.0	1.5
19	1.8	1.4	1.2	1.1	1.0	0.95	0.95	3.2	12	3.1	0.89	1.5
20	1.7	1.3	1.2	1.0	0.95	0.95	0.95	3.9	6.4	4.3	1.1	1.4
21	1.6	1.3	1.2	1.0	0.95	0.95	1.0	4.4	6.5	3.5	1.6	1.4
22	1.7	1.3	1.2	1.0	0.95	0.95	1.3	4.2	6.2	3.4	2.2	1.1
23	1.6	1.3	1.2	1.0	0.95	0.95	1.8	3.7	5.6	3.3	1.4	1.1
24	1.6	1.3	1.1	1.0	0.95	0.95	1.6	3.7	5.2	3.3	1.1	1.1
25	1.6	1.2	1.1	1.0	0.95	0.95	1.6	4.2	5.0	3.2	1.1	1.0
26	1.8	1.2	1.1	1.0	0.95	0.95	2.0	4.6	4.8	3.2	1.4	0.97
27	1.7	1.2	1.1	1.0	0.95	0.95	3.0	5.0	5.0	3.1	1.5	0.93
28	1.7	1.2	1.1	1.0	0.95	0.95	3.0	5.0	5.0	3.1	1.3	0.89
29	1.7	1.2	1.1	1.0	---	0.95	2.2	4.2	5.1	3.0	1.1	0.89
30	1.6	1.2	1.1	1.0	---	0.95	2.2	4.4	5.1	2.7	0.93	0.84
31	1.4	---	1.1	1.0	---	0.95	---	5.1	---	2.0	0.97	---
TOTAL	58.6	41.9	36.4	32.9	27.55	29.45	38.70	106.8	213.1	97.1	44.78	44.59
MEAN	1.89	1.40	1.17	1.06	0.98	0.95	1.29	3.45	7.10	3.13	1.44	1.49
AC-FT	116	83	72	65	55	58	77	212	423	193	89	88
MAX	2.5	1.6	1.2	1.1	1.0	0.95	3.0	5.1	25	5.0	2.3	3.0
MIN	1.4	1.2	1.1	1.0	0.95	0.95	0.95	2.2	3.7	2.0	0.89	0.84

CAL YR 1992 TOTAL 652.38 MEAN 1.78 MAX 12 MIN 0.34 AC-FT 1290
WTR YR 1993 TOTAL 771.87 MEAN 2.11 MAX 25 MIN 0.84 AC-FT 1530

MAX DISCH 71 CFS AT 2000 16-JUN-1993 GH 2.54 FT. SHIFT 0.19 FT. MAX GH 2.54 FT. AT 2000 16-JUN-1993



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION, NEAR NORRIE, CO

LOCATION.--Lat 39°14'20", long 106°35'24", Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, Co.

DRAINAGE AREA.--11.5 mi².

GAGE.--Graphic water-stage recorder contained in small metal box mounted on a 4 in. steel pipe well. Control is 5 ft concrete suppressed weir.

REMARKS.--Records fair except those for periods of no gage-height record, which are poor. Station was frozen and record estimated Oct. 30, 1992 to Apr. 21, 1993. Winter estimation was done from comparison with nearby station Chapman Gulch near Nast. Transmountain diversion above station diverted water May 14 to Sep. 17, 1993 through Charles H. Boustead tunnel. Station maintained and records developed by Wayne I. Schieldt.

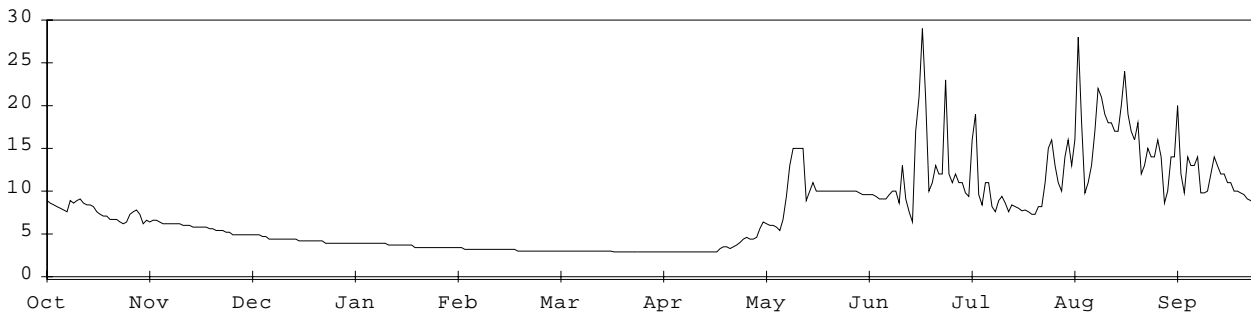
RATING TABLE.--FRYSFUC06 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	6.4	4.9	3.9	3.4	3.0	2.9	4.4	10	11	13	16
2	8.6	6.6	4.9	3.9	3.4	3.0	2.9	4.4	10	12	11	14
3	8.4	6.6	4.9	3.9	3.4	3.0	2.9	4.6	9.8	11	10	8.6
4	8.2	6.4	4.9	3.9	3.2	3.0	2.9	5.6	9.6	11	14	10
5	8.0	6.2	4.7	3.9	3.2	3.0	2.9	6.4	9.6	9.8	16	14
6	7.8	6.2	4.7	3.9	3.2	3.0	2.9	6.2	9.6	9.4	13	14
7	7.6	6.2	4.4	3.9	3.2	3.0	2.9	6.0	9.6	16	16	20
8	8.9	6.2	4.4	3.9	3.2	3.0	2.9	6.0	9.4	19	28	12
9	8.6	6.2	4.4	3.9	3.2	3.0	2.9	5.8	9.1	9.6	18	9.8
10	8.9	6.2	4.4	3.9	3.2	3.0	2.9	5.4	9.1	8.4	9.8	14
11	9.1	6.0	4.4	3.9	3.2	3.0	2.9	6.7	9.1	11	11	13
12	8.6	6.0	4.4	3.7	3.2	3.0	2.9	9.4	9.6	11	13	13
13	8.4	6.0	4.4	3.7	3.2	3.0	2.9	13	10	8.2	17	14
14	8.4	5.8	4.4	3.7	3.2	3.0	2.9	15	10	7.6	22	9.8
15	8.2	5.8	4.4	3.7	3.2	3.0	2.9	15	8.6	8.9	21	9.8
16	7.6	5.8	4.2	3.7	3.2	3.0	2.9	15	13	9.4	19	10
17	7.3	5.8	4.2	3.7	3.2	3.0	2.9	15	9.1	8.6	18	12
18	7.1	5.8	4.2	3.7	3.2	3.0	2.9	8.9	7.6	7.6	18	14
19	7.1	5.6	4.2	3.7	3.2	3.0	2.9	10	6.4	8.4	17	13
20	6.7	5.6	4.2	3.4	3.0	3.0	2.9	11	17	8.2	17	12
21	6.7	5.4	4.2	3.4	3.0	2.9	2.9	10	21	8.0	20	12
22	6.7	5.4	4.2	3.4	3.0	2.9	3.3	10	29	7.7	24	11
23	6.4	5.4	4.2	3.4	3.0	2.9	3.5	10	21	7.8	19	11
24	6.2	5.2	3.9	3.4	3.0	2.9	3.5	10	10	7.6	17	10
25	6.4	5.2	3.9	3.4	3.0	2.9	3.3	10	11	7.3	16	10
26	7.3	4.9	3.9	3.4	3.0	2.9	3.5	10	13	7.3	18	9.8
27	7.6	4.9	3.9	3.4	3.0	2.9	3.7	10	12	8.2	12	9.6
28	7.8	4.9	3.9	3.4	3.0	2.9	4.0	10	12	8.2	13	9.1
29	7.3	4.9	3.9	3.4	---	2.9	4.4	10	23	11	15	8.9
30	6.2	4.9	3.9	3.4	---	2.9	4.6	10	12	15	14	8.6
31	6.6	---	3.9	3.4	---	2.9	---	10	---	16	14	---
TOTAL	237.6	172.5	133.4	113.3	88.4	91.9	94.7	283.8	360.2	310.2	503.8	353.0
MEAN	7.66	5.75	4.30	3.65	3.16	2.96	3.16	9.15	12.0	10.0	16.3	11.8
AC-FT	471	342	265	225	175	182	188	563	714	615	999	700
MAX	9.1	6.6	4.9	3.9	3.4	3.0	4.6	15	29	19	28	20
MIN	6.2	4.9	3.9	3.4	3.0	2.9	2.9	4.4	6.4	7.3	9.8	8.6

CAL YR 1992 TOTAL 3179.2 MEAN 8.69 MAX 40 MIN 2.5 AC-FT 6310
WTR YR 1993 TOTAL 2742.8 MEAN 7.51 MAX 29 MIN 2.9 AC-FT 5440

MAX DISCH 70 CFS AT 2030 22-JUN-1993 GH 3.58 FT. SHIFT 0.03 FT. MAX GH 3.58 FT. AT 2030 22-JUN-1993



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO

LOCATION.--Lat 39°15'51", long 106°37'54", Pitkin County, Hydrologic Unit 14010004, on left bank 700 ft downstream from Chapman diversion tunnel, 2.5 mi northwest of Nast, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, Co.

DRAINAGE AREA.--5.96 mi².

GAGE.--Graphic water-stage recorder contained in wooden box mounted on 18" metal pipe well along right edge of channel. Control is v-notch, sharp crested weir. Datum of gage is 9,982.76 ft.

REMARKS.--Record is good except for periods when clock stopped Jan. 10-14, Feb. 3-16, Feb. 22 to Apr. 7, 1993. Stilling well and channel stay mostly ice-free during winter. Transmountain diversion above station to Charles H. Boustead tunnel. Station maintained and records developed by Wayne I. Schieldt.

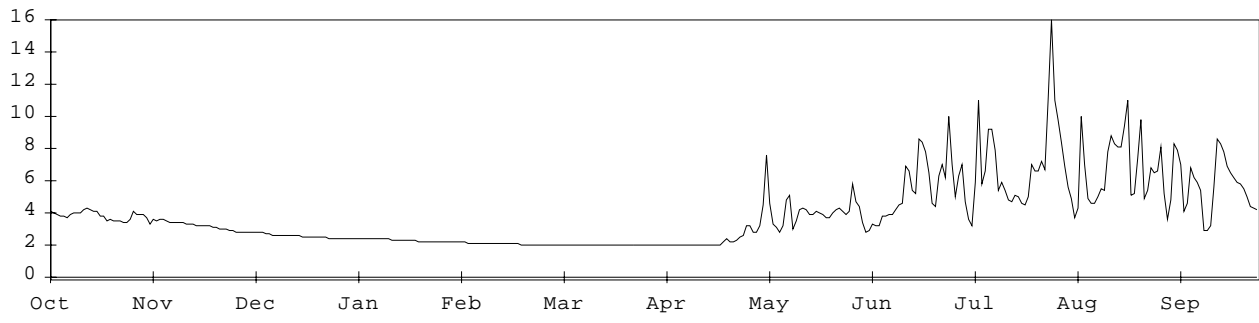
RATING TABLE.--CHAGULCO05 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	3.6	2.8	2.4	2.2	2.0	2.0	2.8	4.7	5.0	9.8	8.1
2	4.0	3.5	2.8	2.4	2.2	2.0	2.0	2.8	4.4	6.3	8.4	5.2
3	3.9	3.6	2.8	2.4	2.2	2.0	2.0	3.2	3.4	7.0	6.9	3.6
4	3.8	3.6	2.8	2.4	2.1	2.0	2.0	4.5	2.8	4.7	5.6	4.8
5	3.8	3.5	2.7	2.4	2.1	2.0	2.0	7.6	2.9	3.6	4.9	8.3
6	3.7	3.4	2.7	2.4	2.1	2.0	2.0	4.6	3.3	3.2	3.7	7.9
7	3.9	3.4	2.6	2.4	2.1	2.0	2.0	3.3	3.2	5.9	4.3	7.0
8	4.0	3.4	2.6	2.4	2.1	2.0	2.0	3.1	3.2	11	10	4.1
9	4.0	3.4	2.6	2.4	2.1	2.0	2.0	2.8	3.8	5.8	7.0	4.6
10	4.0	3.4	2.6	2.4	2.1	2.0	2.0	3.2	3.8	6.6	4.9	6.8
11	4.2	3.3	2.6	2.4	2.1	2.0	2.0	4.8	3.9	9.2	4.6	6.2
12	4.3	3.3	2.6	2.3	2.1	2.0	2.0	5.1	3.9	9.2	4.6	5.9
13	4.2	3.3	2.6	2.3	2.1	2.0	2.0	3.0	4.2	7.9	5.0	5.4
14	4.1	3.2	2.6	2.3	2.1	2.0	2.0	3.5	4.5	5.4	5.5	2.9
15	4.1	3.2	2.6	2.3	2.1	2.0	2.0	4.2	4.6	5.9	5.4	2.9
16	3.8	3.2	2.5	2.3	2.1	2.0	2.0	4.3	6.9	5.4	7.8	3.2
17	3.8	3.2	2.5	2.3	2.1	2.0	2.0	4.2	6.6	4.8	8.8	5.6
18	3.5	3.2	2.5	2.3	2.1	2.0	2.0	3.9	5.4	4.7	8.3	8.6
19	3.6	3.1	2.5	2.3	2.1	2.0	2.0	3.9	5.2	5.1	8.1	8.3
20	3.5	3.1	2.5	2.2	2.0	2.0	2.0	4.1	8.6	5.0	8.1	7.8
21	3.5	3.0	2.5	2.2	2.0	2.0	2.0	4.0	8.4	4.6	9.4	6.9
22	3.5	3.0	2.5	2.2	2.0	2.0	2.2	3.9	7.8	4.5	11	6.5
23	3.4	3.0	2.5	2.2	2.0	2.0	2.4	3.7	6.5	5.0	5.1	6.2
24	3.4	2.9	2.4	2.2	2.0	2.0	2.2	3.7	4.6	7.0	5.2	5.9
25	3.6	2.9	2.4	2.2	2.0	2.0	2.2	4.0	4.4	6.6	7.4	5.8
26	4.1	2.8	2.4	2.2	2.0	2.0	2.3	4.2	6.3	6.6	9.8	5.5
27	3.9	2.8	2.4	2.2	2.0	2.0	2.5	4.3	7.0	7.2	4.9	5.0
28	3.9	2.8	2.4	2.2	2.0	2.0	2.6	4.1	6.2	6.7	5.4	4.4
29	3.9	2.8	2.4	2.2	---	2.0	3.2	3.9	10	11	6.8	4.3
30	3.7	2.8	2.4	2.2	---	2.0	3.2	4.1	7.0	16	6.5	4.2
31	3.3	---	2.4	2.2	---	2.0	---	5.8	---	11	6.6	---
TOTAL	118.5	95.7	79.2	71.2	58.2	62.0	64.8	124.6	157.5	207.9	209.8	171.9
MEAN	3.82	3.19	2.55	2.30	2.08	2.00	2.16	4.02	5.25	6.71	6.77	5.73
AC-FT	235	190	157	141	115	123	129	247	312	412	416	341
MAX	4.3	3.6	2.8	2.4	2.2	2.0	3.2	7.6	10	16	11	8.6
MIN	3.3	2.8	2.4	2.2	2.0	2.0	2.0	2.8	2.8	3.2	3.7	2.9

CAL YR 1992 TOTAL	1967.2	MEAN	5.37	MAX	35	MIN	1.6	AC-FT	3900
WTR YR 1993 TOTAL	1421.3	MEAN	3.89	MAX	16	MIN	2.0	AC-FT	2820

MAX DISCH 52 CFS AT 2200 29-JUN-1993 GH 3.17 FT. SHIFT 0.04 FT. MAX GH 3.17 FT. AT 2200 29-JUN-1993



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec.21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in 42-inch metal pipe and well. Control is natural channel. Altitude of gage is 8,330 ft, from topographic map.

REMARKS.--Record good, except for periods of no gage-height, which are poor. One small irrigation diversion above gage and low flow slightly regulated by small recreation reservoir. Station was closed from Nov. 1, 1991-Apr. 22, 1992. Winter record was estimated from comparison to nearby gage Fryingpan River near Thomasville. Station maintained and records developed by Wayne I. Schieldt.

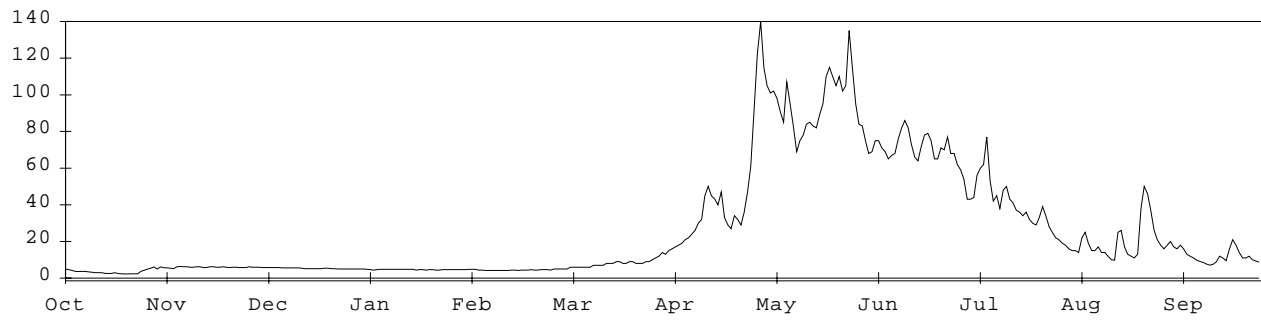
RATING TABLE.--FRYFNCO09 USED FROM 01-OCT-1991 TO 30-SEP-1992

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	5.6	5.8	4.8	4.8	5.0	13	115	75	54	18	18
2	4.6	5.4	5.8	4.6	4.8	5.0	15	105	68	43	16	20
3	4.2	5.2	5.8	4.4	4.8	6.0	16	101	69	43	15	17
4	3.7	6.2	5.8	4.6	4.4	6.0	17	102	75	44	15	16
5	3.6	6.4	5.8	4.8	4.4	6.0	18	98	75	56	14	18
6	3.7	6.2	5.6	4.8	4.2	6.0	19	91	71	60	22	16
7	3.7	6.2	5.6	4.8	4.2	6.0	21	85	69	62	25	13
8	3.4	6.0	5.6	4.8	4.2	6.0	22	107	65	77	19	12
9	3.2	6.0	5.6	4.8	4.2	6.0	24	95	67	53	15	11
10	3.0	6.2	5.6	4.8	4.2	7.0	26	83	68	42	15	9.8
11	3.0	6.2	5.6	4.8	4.2	7.0	30	69	76	45	17	9.1
12	3.0	5.8	5.4	4.8	4.2	7.0	32	75	82	38	14	8.5
13	2.6	5.8	5.2	4.8	4.2	7.0	45	78	86	48	14	7.7
14	2.5	6.2	5.2	4.8	4.4	8.0	50	84	82	50	12	7.1
15	2.5	6.2	5.2	4.8	4.4	8.0	45	85	73	43	10	7.5
16	3.0	6.0	5.2	4.4	4.2	8.0	43	83	66	41	9.8	8.9
17	2.5	6.0	5.2	4.6	4.4	9.0	40	82	64	37	25	12
18	2.4	6.2	5.2	4.6	4.4	9.0	47	89	72	36	26	11
19	2.3	6.0	5.4	4.4	4.4	8.0	33	95	78	34	17	9.5
20	2.3	5.8	5.4	4.6	4.6	8.0	29	110	79	36	13	16
21	2.4	6.0	5.2	4.6	4.4	9.0	27	115	75	32	12	21
22	2.4	6.0	5.2	4.4	4.4	9.0	34	110	65	30	11	18
23	2.4	5.8	5.0	4.4	4.6	8.0	32	105	65	29	13	14
24	3.7	5.8	5.0	4.6	4.6	8.0	29	110	71	33	38	11
25	4.3	5.8	5.0	4.6	4.6	8.0	36	102	70	39	50	11
26	4.9	6.2	5.0	4.6	4.4	9.0	47	105	77	34	46	12
27	5.4	6.0	5.0	4.6	5.0	9.0	61	135	68	28	37	10
28	6.1	6.0	5.0	4.6	5.0	10	92	115	68	25	26	9.3
29	5.0	6.0	5.0	4.6	5.0	11	122	95	62	22	21	8.7
30	6.1	5.8	5.0	4.6	---	12	140	84	59	21	18	8.1
31	5.7	---	5.0	4.6	---	14	---	83	---	19	16	---
TOTAL	112.5	179.0	165.4	144.0	129.6	245.0	1205	2991	2140	1254	619.8	371.2
MEAN	3.63	5.97	5.34	4.65	4.47	7.90	40.2	96.5	71.3	40.5	20.0	12.4
AC-FT	223	355	328	286	257	486	2390	5930	4240	2490	1230	736
MAX	6.1	6.4	5.8	4.8	5.0	14	140	135	86	77	50	21
MIN	2.3	5.2	5.0	4.4	4.2	5.0	13	69	59	19	9.8	7.1

CAL YR 1991 TOTAL 456.9 MEAN 1.25 MAX 6.4 MIN 2.3 AC-FT 906
WTR YR 1992 TOTAL 9556.5 MEAN 26.1 MAX 140 MIN 2.3 AC-FT 18960

MAX DISCH 170 CFS AT 0200 30-APR-1992 GH 4.03 FT. SHIFT 0.02 FT. MAX GH 4.03 FT. AT 0200
30-APR-1992



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec.21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in 42-inch metal pipe and well. Control is natural channel. Altitude of gage is 8,330 ft, from topographic map.

REMARKS.--Record good, except for periods of no gage-height, which are poor. One small irrigation diversion above gage and low flow slightly regulated by small recreation reservoir. Station was ice affected Nov. 3, 4, 1992 and was closed from Nov. 5, 1992-May 7, 1993. Winter estimation was made by comparison to nearby gage Fryingpan River near Thomasville. Station maintained and records developed by Wayne I. Schieldt.

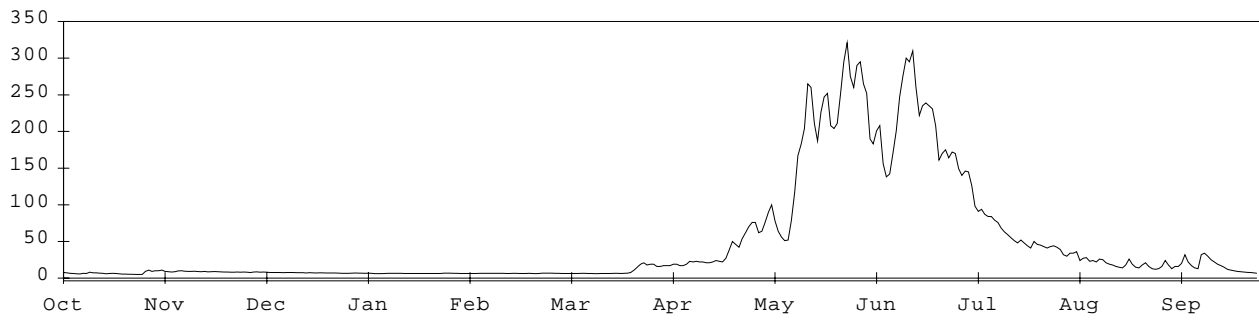
RATING TABLE.--FRYFNCO09 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	9.3	8.2	6.6	6.4	6.6	16	62	295	149	39	16
2	7.3	8.8	8.0	6.8	6.4	6.4	17	64	265	140	32	24
3	6.7	8.4	7.8	6.6	6.4	6.4	17	76	252	146	30	18
4	6.3	8.8	7.8	6.2	6.4	6.4	17	90	190	145	34	13
5	5.9	9.8	7.6	6.2	6.6	6.4	19	100	183	126	34	16
6	5.7	10	7.6	6.2	6.6	6.4	19	78	201	98	36	16
7	6.7	9.4	7.4	6.4	6.6	6.4	17	64	208	91	24	20
8	6.3	9.2	7.6	6.6	6.6	6.6	17	56	156	94	27	32
9	8.1	9.2	7.6	6.6	6.6	6.6	19	51	138	87	28	22
10	7.1	9.4	7.6	6.6	6.6	6.4	23	52	142	84	23	17
11	7.3	9.0	7.4	6.6	6.6	6.4	22	78	170	84	24	14
12	6.9	8.8	7.4	6.6	6.6	6.2	23	117	201	79	22	13
13	6.5	9.2	7.4	6.4	6.4	6.2	22	167	247	76	26	32
14	5.9	8.6	7.0	6.4	6.4	6.4	22	183	275	68	25	34
15	6.3	8.8	7.4	6.4	6.6	6.4	21	204	300	63	21	30
16	6.7	9.0	7.2	6.4	6.6	6.4	21	265	295	59	19	25
17	6.3	8.8	7.0	6.4	6.4	6.4	22	260	310	55	18	22
18	5.9	8.6	7.2	6.4	6.4	6.6	24	211	260	51	16	19
19	5.5	8.2	7.2	6.4	6.4	6.6	23	187	222	48	15	17
20	5.4	8.4	7.0	6.4	6.6	6.4	22	226	235	52	14	15
21	5.2	8.0	7.0	6.4	6.4	6.6	27	247	239	48	18	12
22	5.2	8.0	7.0	6.4	6.2	6.8	38	252	235	44	26	11
23	5.0	8.4	7.0	6.4	6.4	7.8	50	208	231	41	19	10
24	5.0	8.0	6.8	6.4	6.8	11	46	204	208	50	15	9.1
25	5.0	8.2	6.6	6.8	6.8	15	42	211	161	46	14	8.7
26	9.3	8.0	6.6	6.8	6.8	19	54	252	170	45	18	8.3
27	11	7.8	6.6	6.8	6.8	21	62	295	175	43	21	7.9
28	9.3	8.4	6.8	6.6	6.6	18	70	321	164	41	16	7.7
29	10	8.6	7.0	6.6	---	19	76	275	172	43	13	7.3
30	10	8.0	6.8	6.4	---	19	76	260	170	44	12	6.7
31	11	---	6.8	6.4	---	16	---	290	---	42	13	---
TOTAL	216.5	261.1	224.4	201.2	183.0	287.8	944	5406	6470	2282	692	503.7
MEAN	6.98	8.70	7.24	6.49	6.54	9.28	31.5	174	216	73.6	22.3	16.8
AC-FT	429	518	445	399	363	571	1870	10720	12830	4530	1370	999
MAX	11	10	8.2	6.8	6.8	21	76	321	310	149	39	34
MIN	5.0	7.8	6.6	6.2	6.2	6.2	16	51	138	41	12	6.7

CAL YR 1992 TOTAL 9801.6 MEAN 26.8 MAX 140 MIN 4.2 AC-FT 19440
WTR YR 1993 TOTAL 17671.7 MEAN 48.4 MAX 321 MIN 5.0 AC-FT 35050

MAX DISCH 389 CFS AT 2330 16-JUN-1993 GH 4.54 FT. SHIFT 0.00 FT. MAX GH 4.54 FT. AT 2330
16-JUN-1993



ROARING FORK RIVER BASIN

09078600 FRYINGPAN RIVER NEAR THOMASVILLE, CO

LOCATION.--Lat 39°20'41", long 106°40'23", in NW¼NW¼ sec.21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on right bank 400 ft upstream from private bridge, 400 ft downstream from North Fork, 1.6 mi southeast of Thomasville, and 1.7 mi northwest of Norrie.

DRAINAGE AREA.--134 mi².

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,210 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--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. Record is complete and reliable except for a short period of ice affect on Dec. 2, 1992. Record is good this year because of the warm winter temperatures. No lengthy periods of ice affect occurred and equipment worked properly. Station maintained and records developed by Wayne I. Schieldt.

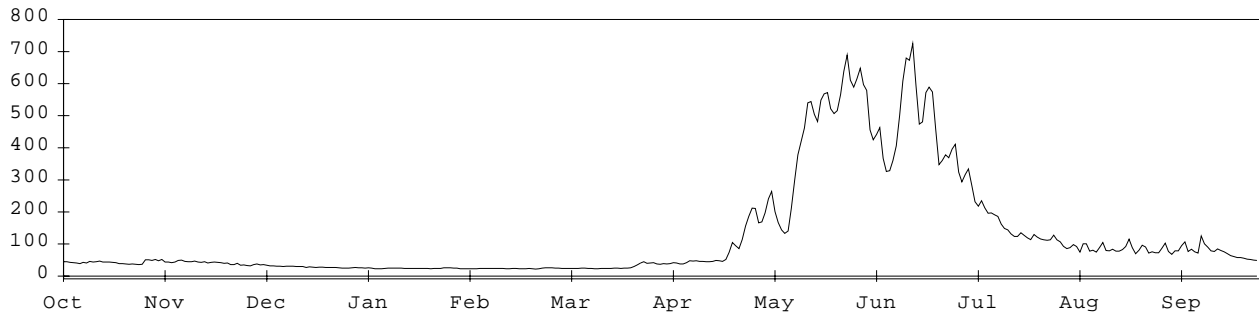
RATING TABLE.--FRYTHOCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	44	36	25	23	25	37	166	648	324	107	87
2	45	44	34	26	23	24	39	169	597	294	93	103
3	43	42	32	25	23	24	38	197	579	317	86	77
4	42	44	32	23	23	24	39	241	456	334	89	68
5	41	49	31	23	24	24	42	264	425	283	98	79
6	39	50	31	23	24	24	41	201	442	232	92	79
7	43	46	30	24	24	24	38	167	463	218	75	95
8	41	45	31	25	24	25	38	144	367	235	101	107
9	46	45	31	25	24	25	42	133	326	213	101	77
10	44	47	31	25	24	24	48	141	329	196	78	84
11	45	44	30	25	24	24	47	211	360	197	81	76
12	47	43	30	25	24	23	48	299	406	191	75	72
13	44	45	30	24	23	23	46	378	501	186	89	125
14	44	41	27	24	23	24	46	421	608	162	105	101
15	44	43	29	24	24	24	45	462	680	149	80	90
16	43	44	28	24	24	24	45	540	673	144	79	79
17	42	43	27	24	23	24	46	544	725	132	84	77
18	39	42	28	24	23	25	49	504	595	124	78	85
19	39	40	28	24	23	25	48	482	474	124	78	80
20	38	41	27	24	24	24	46	549	481	135	83	76
21	37	36	27	23	23	25	52	568	572	127	92	70
22	38	36	27	24	22	25	74	572	589	119	115	64
23	37	40	27	24	23	26	105	522	574	114	89	61
24	36	34	26	24	25	30	95	507	460	130	70	58
25	37	35	25	26	26	35	86	516	348	122	81	58
26	51	33	25	26	26	41	114	566	360	116	96	56
27	51	32	25	26	26	45	156	638	378	113	91	53
28	49	36	26	25	25	40	186	689	369	112	72	52
29	52	38	27	25	---	41	212	611	396	113	76	50
30	48	35	26	23	---	42	211	589	411	128	73	49
31	52	---	26	23	---	38	---	615	---	113	73	---
TOTAL	1342	1237	890	755	667	871	2159	12606	14592	5497	2680	2288
MEAN	43.3	41.2	28.7	24.4	23.8	28.1	72.0	407	486	177	86.5	76.3
AC-FT	2660	2450	1770	1500	1320	1730	4280	25000	28940	10900	5320	4540
MAX	52	50	36	26	26	45	212	689	725	334	115	125
MIN	36	32	25	23	22	23	37	133	326	112	70	49

CAL YR 1992 TOTAL 29819 MEAN 81.5 MAX 303 MIN 18 AC-FT 59150
WTR YR 1993 TOTAL 45584 MEAN 125 MAX 725 MIN 22 AC-FT 90420

MAX DISCH 966 CFS AT 0115 17-JUN-1993 GH 3.92 FT. SHIFT -0.08 FT. MAX GH 3.92 FT. AT 0115
17-JUN-1993



ROARING FORK RIVER BASIN

09080100 FRYING PAN RIVER AT MEREDITH, CO

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec.11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, 0.1 mi downstream from Waterbury Creek, and 0.7 mi downstream from Jakeman Creek.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in a 42-inch metal pipe shelter and well and a natural channel control.

REMARKS.--Records are good, except for periods of no gage-height record and ice affect, which are fair. Gage-height was affected by ice on Nov. 23-30, Dec. 1 1992. Station was closed Dec. 2, 1992 to May 7, 1993. Winter estimation was made by comparison with Fryingpan River near Thomasville. Diversions are from irrigation above station along with transmountain diversions to Arkansas River basin through Busk-Ivanhoe tunnel. Station maintained and records developed by Wayne I. Schieldt.

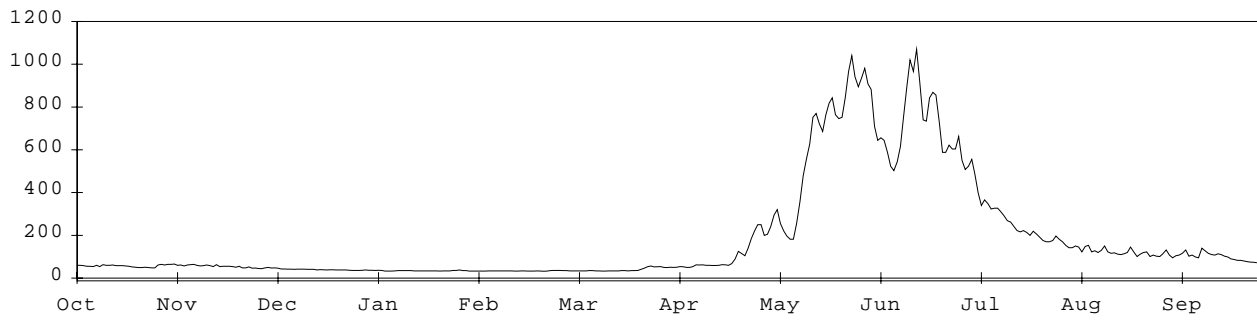
RATING TABLE.--FRYMERCO04 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	60	48	36	33	35	49	200	981	550	170	114
2	60	61	46	37	33	34	51	205	908	508	153	132
3	58	57	43	36	33	34	50	240	882	523	142	108
4	55	61	43	33	33	34	51	295	710	555	142	95
5	55	63	42	33	34	34	54	320	644	487	150	105
6	54	64	42	33	34	34	53	255	656	398	145	108
7	60	60	41	34	34	34	50	220	644	340	123	116
8	54	57	42	35	34	35	50	197	588	366	148	132
9	63	58	42	35	34	35	54	182	523	348	153	103
10	60	61	42	35	34	34	62	182	503	323	123	108
11	60	58	41	35	34	34	61	255	544	327	128	99
12	61	54	41	35	34	33	62	358	616	327	120	95
13	58	63	41	34	33	33	60	477	758	310	130	140
14	58	54	38	34	33	34	60	555	895	291	150	128
15	58	55	40	34	34	34	59	627	1020	269	123	116
16	57	55	39	34	34	34	59	752	967	262	116	110
17	55	55	38	34	33	34	60	770	1070	242	118	108
18	52	54	39	34	33	35	63	722	915	222	112	114
19	51	51	39	34	33	35	62	686	740	216	110	110
20	49	55	38	34	34	34	60	764	734	222	114	103
21	49	48	38	33	33	35	68	818	843	213	120	99
22	51	48	38	34	32	35	90	843	869	200	145	90
23	49	52	38	34	33	36	125	764	856	219	123	87
24	48	46	37	34	35	41	115	746	728	206	101	83
25	48	47	36	36	36	46	105	752	588	191	112	83
26	61	45	36	36	36	53	140	843	588	176	120	80
27	64	44	36	38	36	57	185	967	622	170	123	77
28	61	48	37	35	35	52	220	1040	604	170	101	75
29	64	50	38	35	---	53	250	941	604	176	108	74
30	64	47	37	33	---	54	250	895	662	197	103	72
31	66	---	37	33	---	50	---	934	---	182	101	---
TOTAL	1763	1631	1233	1070	947	1195	2678	17805	22262	9186	3927	3064
MEAN	56.9	54.4	39.8	34.5	33.8	38.5	89.3	574	742	296	127	102
AC-FT	3500	3240	2450	2120	1880	2370	5310	35320	44160	18220	7790	6080
MAX	66	64	48	38	36	57	250	1040	1070	555	170	140
MIN	48	44	36	33	32	33	49	182	503	170	101	72

CAL YR 1992 TOTAL 39716 MEAN 109 MAX 408 MIN 27 AC-FT 78780
WTR YR 1993 TOTAL 66761 MEAN 183 MAX 1070 MIN 32 AC-FT 132400

MAX DISCH 1344 CFS AT 0300 17-JUN-1993 GH 4.62 FT. SHIFT 0.01 FT. MAX GH 4.62 FT. AT 0300 17-JUN-1993



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec.18, T.8 S., R.84 W., Pitkin County, on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway and auxiliary outlet of Ruedi Dam on Fryingpan River and 4.6 mi west of Meredith.

DRAINAGE AREA.--12.3 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry mounted of top of Ruedi Dam. Datum of gage is 7,494.50 ft. Control is sharp-crested v-notch weir.

REMARKS.--Record is good now that a stilling well has been in place for two years. Beavers have continued their attempts to build a dam across the control, but weekly removal by USBR personnel keeps the gage-height from being affected for very long. The well was frozen from Nov. 25, to Dec. 1, Dec. 22-31 1992, and Jan. 5 to Feb. 11, 1993. The gage-height was affected by beaver dams Oct. 23-30, Nov. 12-24, 1992, Aug. 9,10,12,15,16,21,22,24,26-30, Sep. 2-7,9-14,17-23,27,28 1993. Station maintained and records developed by Wayne I. Schieldt.

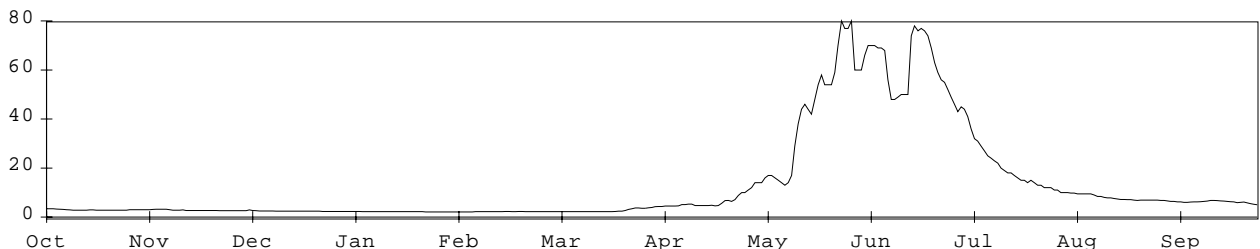
RATING TABLE.--RFCMERC001 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	3.0	2.9	2.3	2.1	2.2	3.9	12	60	46	11	6.8
2	3.4	3.1	2.7	2.3	2.1	2.2	4.2	14	60	43	10	6.8
3	3.4	3.2	2.6	2.3	2.1	2.2	4.3	14	60	45	10	6.6
4	3.3	3.2	2.5	2.2	2.1	2.2	4.3	14	66	44	10	6.4
5	3.2	3.2	2.5	2.2	2.1	2.2	4.5	16	70	41	9.8	6.4
6	3.1	3.2	2.5	2.2	2.1	2.2	4.5	17	70	36	9.8	6.2
7	3.0	3.0	2.5	2.2	2.2	2.2	4.5	17	70	32	9.5	6.2
8	2.9	2.8	2.5	2.2	2.2	2.2	4.5	16	69	31	9.5	6.0
9	2.8	2.8	2.4	2.2	2.2	2.2	4.6	15	69	29	9.5	6.0
10	2.8	2.8	2.4	2.2	2.2	2.2	5.1	14	68	27	9.5	6.1
11	2.8	2.9	2.4	2.2	2.2	2.2	5.1	13	56	25	9.5	6.2
12	2.8	2.7	2.4	2.2	2.2	2.2	5.3	14	48	24	9.0	6.2
13	2.8	2.7	2.4	2.2	2.2	2.2	5.3	17	48	23	8.4	6.3
14	2.9	2.7	2.4	2.2	2.2	2.2	4.7	29	49	22	8.4	6.4
15	2.9	2.7	2.4	2.2	2.2	2.2	4.7	38	50	20	8.0	6.5
16	2.8	2.7	2.4	2.2	2.3	2.2	4.7	44	50	19	7.8	6.8
17	2.8	2.7	2.4	2.2	2.3	2.2	4.7	46	50	18	7.8	6.8
18	2.8	2.7	2.4	2.2	2.2	2.2	4.7	44	74	18	7.6	6.7
19	2.8	2.7	2.4	2.2	2.2	2.2	4.8	42	78	17	7.4	6.6
20	2.8	2.7	2.4	2.2	2.3	2.2	4.6	48	76	16	7.2	6.5
21	2.8	2.7	2.4	2.2	2.3	2.3	4.7	54	77	15	7.2	6.4
22	2.8	2.6	2.4	2.2	2.2	2.4	5.6	58	76	15	7.1	6.3
23	2.8	2.6	2.3	2.1	2.2	2.4	6.7	54	74	14	7.1	6.2
24	2.8	2.6	2.3	2.1	2.2	2.7	6.8	54	69	15	6.9	5.9
25	2.8	2.6	2.3	2.1	2.2	3.1	6.4	54	63	14	6.8	6.0
26	3.0	2.6	2.3	2.1	2.2	3.4	7.1	59	59	13	6.9	6.1
27	3.0	2.6	2.3	2.1	2.2	3.7	8.8	70	56	13	6.9	5.8
28	3.0	2.6	2.3	2.1	2.2	3.7	10	80	55	12	6.9	5.5
29	3.0	2.6	2.3	2.1	---	3.6	10	77	52	12	6.9	5.2
30	3.0	2.6	2.3	2.1	---	3.6	11	77	49	12	6.9	5.0
31	3.0	---	2.3	2.1	---	3.8	---	80	---	11	6.9	---
TOTAL	91.5	83.6	75.0	67.6	61.4	78.7	170.1	1201	1871	722	256.2	186.9
MEAN	2.95	2.79	2.42	2.18	2.19	2.54	5.67	38.7	62.4	23.3	8.26	6.23
AC-FT	181	166	149	134	122	156	337	2380	3710	1430	508	371
MAX	3.4	3.2	2.9	2.3	2.3	3.8	11	80	78	46	11	6.8
MIN	2.8	2.6	2.3	2.1	2.1	2.2	3.9	12	48	11	6.8	5.0

CAL YR 1992 TOTAL 2562.9 MEAN 7.00 MAX 38 MIN 1.8 AC-FT 5080
WTR YR 1993 TOTAL 4865.0 MEAN 13.3 MAX 80 MIN 2.1 AC-FT 9650

MAX DISCH 95 CFS AT 2100 16-JUN-1993 GH 1.70 FT. SHIFT 0.00 FT. MAX GH 1.70 FT. AT 2100 16-JUN-1993



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., Montezuma County.

DRAINAGE AREA.--550 mi².

GAGE.--Satellite telemetry and 15 foot parshall flume with wing walls. Datum of gauge is 6,630 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Diversions for irrigation of up to 47,000 acres upstream of gage in the Dolores River basin and diversions for irrigation of up to 4700 acres in the San Juan Basin. Flow regulated by McPhee Reservoir, capacity 381,000 acre-feet. Station maintained and records developed by Scott D. Brinton.

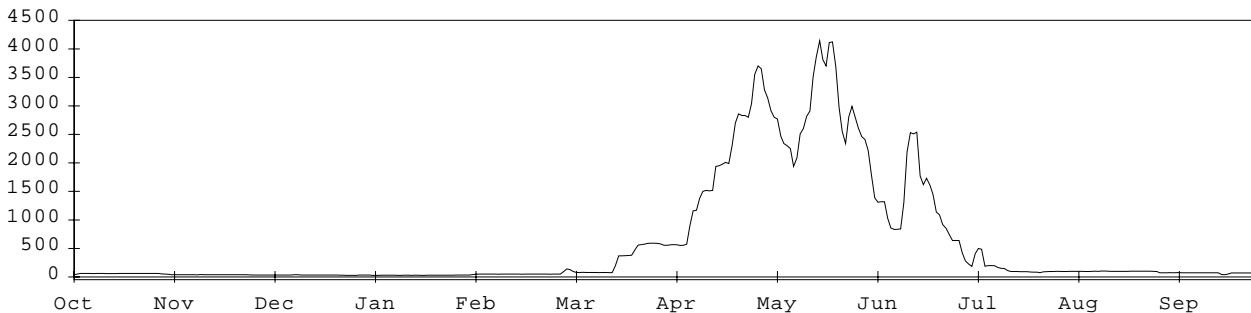
RATING TABLE.--DOLBMCCO03 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	39	34	30	42	93	556	3650	2460	641	98	73
2	51	39	34	30	49	139	556	3280	2410	424	97	73
3	61	39	34	30	51	128	563	3140	2220	281	97	75
4	61	39	34	31	50	97	566	2910	1780	225	98	76
5	61	39	34	31	50	79	564	2800	1390	185	99	75
6	61	39	34	31	50	79	553	2770	1310	406	99	76
7	58	39	34	31	50	80	556	2470	1320	499	99	76
8	61	38	39	31	50	79	574	2340	1320	486	99	75
9	61	42	39	30	49	79	901	2300	1030	190	96	73
10	61	39	34	30	50	79	1160	2250	859	199	95	72
11	60	39	33	31	50	79	1170	1940	833	200	99	73
12	60	39	33	31	50	78	1380	2090	837	195	102	73
13	60	39	33	30	50	79	1500	2510	841	165	99	73
14	58	39	34	31	50	79	1520	2600	1300	153	103	72
15	61	40	34	31	50	78	1510	2820	2190	149	103	72
16	61	40	34	30	49	78	1520	2910	2530	112	101	73
17	61	40	34	30	50	198	1940	3510	2510	97	100	72
18	61	40	34	31	50	371	1950	3860	2540	97	100	73
19	61	40	34	31	51	372	1980	4140	1770	96	100	73
20	61	40	34	31	51	374	2010	3810	1620	94	100	43
21	61	40	33	31	51	376	1990	3700	1730	94	100	39
22	61	40	31	31	50	381	2310	4110	1610	92	100	52
23	61	40	31	31	50	474	2700	4120	1450	87	102	71
24	61	36	30	31	50	558	2860	3680	1140	85	101	71
25	61	33	30	31	49	566	2830	2980	1090	84	101	71
26	61	33	30	31	50	576	2830	2550	918	77	101	71
27	61	33	30	32	50	588	2800	2340	852	90	101	71
28	54	33	32	32	50	592	3040	2810	745	92	101	71
29	52	33	32	32	---	593	3550	2990	639	95	101	71
30	47	33	33	32	---	588	3700	2790	640	97	100	71
31	40	---	33	32	---	577	---	2610	---	98	95	---
TOTAL	1800	1142	1032	958	1392	8587	51639	92780	43884	5885	3087	2100
MEAN	58.1	38.1	33.3	30.9	49.7	277	1721	2993	1463	190	99.6	70.0
AC-FT	3570	2270	2050	1900	2760	17030	102400	184000	87040	11670	6120	4170
MAX	61	42	39	32	51	593	3700	4140	2540	641	103	76
MIN	40	33	30	30	42	78	553	1940	639	77	95	39

CAL YR 1992 TOTAL 88074 MEAN 241 MAX 3030 MIN 29 AC-FT 174700
WTR YR 1993 TOTAL 214286 MEAN 587 MAX 4140 MIN 30 AC-FT 425000

MAX DISCH 4400 CFS AT 2000 18-MAY-1993 GH 6.98 FT. SHIFT -0.13 FT. MAX GH 6.98 FT. AT 2000 18-MAY-1993



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., 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 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,858.04 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Bureau of Reclamation).

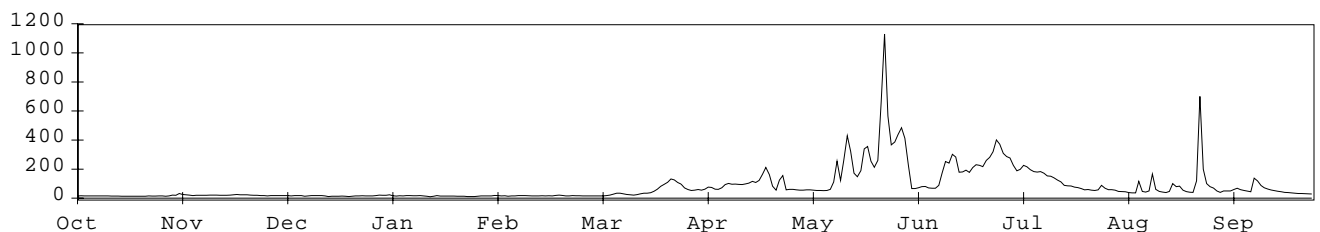
REMARKS.--Flows controlled by diversion dam upstream. Record is complete and reliable except for the following periods: Nov. 1-Dec. 17, 1992 when the U.S.B.R. opened up the sluice gate to increase downstream releases and sluiced a large amount of gravel in the flume approach, resulting in an indefinite stage-discharge relationship. Aug. 27-Sep. 7, 1993, when a major rainstorm in the area increased the flows, resulting in the deposition of a large amount of gravel in the flume approach, resulting in an indefinite stage-discharge relationship. Stage-discharge relationship affected by ice Dec. 19-21, 28-31, 1992; Jan. 12-14, 22, 24-31; Feb. 3, 5-7, 12-14, 18, 22-23; Mar. 2-5, 13-14, 1993. Record good except for the winter period and the period of indefinite stage-discharge relationship which is poor. Station maintained and records developed by Scott D. Brinton.

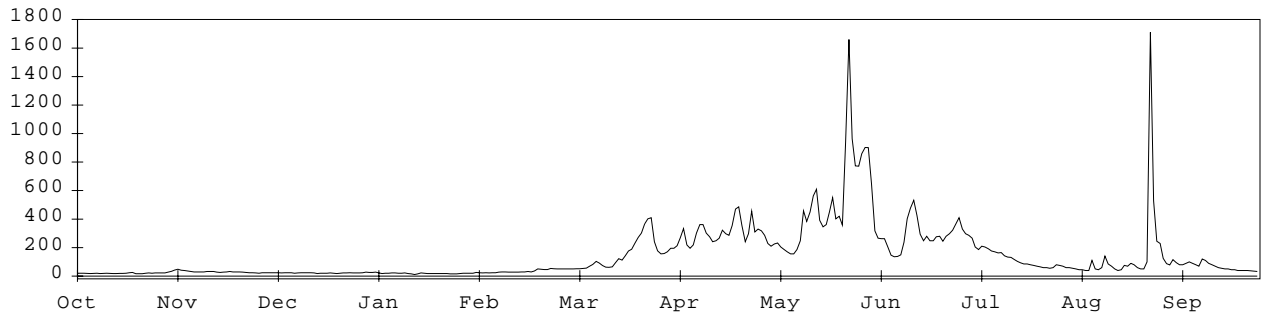
RATING TABLE.--RIOBLACO05 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	26	18	23	19	16	56	58	485	309	59	70
2	17	24	18	17	18	16	60	55	412	286	59	50
3	16	22	16	15	16	16	56	56	226	277	55	40
4	16	18	18	17	17	16	62	58	66	226	47	50
5	16	20	18	16	14	16	76	58	67	189	46	50
6	16	20	18	18	16	18	74	55	72	198	44	50
7	16	20	14	18	16	21	62	54	79	226	39	60
8	16	20	16	17	18	28	61	53	81	216	37	69
9	16	22	18	17	18	34	72	52	71	196	37	59
10	16	22	18	18	18	35	94	54	69	184	116	54
11	15	22	18	16	17	30	102	61	69	180	47	49
12	15	20	18	14	16	26	96	111	89	183	43	45
13	15	20	16	10	16	24	97	255	174	173	50	138
14	14	20	12	14	16	22	95	123	253	154	167	120
15	14	22	14	18	17	25	94	260	241	151	61	88
16	14	24	14	15	16	30	99	430	302	140	47	72
17	14	26	14	15	17	35	104	323	284	125	42	63
18	14	24	15	15	16	35	116	173	179	113	39	57
19	14	24	14	15	19	38	108	148	181	89	47	52
20	14	24	12	15	22	48	123	190	193	85	101	48
21	14	22	14	14	19	62	164	340	178	84	80	44
22	16	20	16	14	16	82	212	356	211	77	83	40
23	15	20	16	14	16	95	163	254	230	73	55	39
24	15	18	17	12	18	110	83	213	226	66	46	37
25	16	18	16	12	17	132	56	260	217	58	41	35
26	16	16	16	12	17	126	125	664	261	60	40	33
27	14	18	16	14	16	109	156	1130	282	55	120	32
28	16	18	18	16	16	97	58	565	320	53	700	31
29	22	18	22	16	---	71	61	367	401	58	200	30
30	20	18	20	16	---	60	61	387	371	89	100	29
31	32	---	20	16	---	54	---	437	---	68	80	---
TOTAL	499	626	510	479	477	1527	2846	7600	6290	4441	2728	1634
MEAN	16.1	20.9	16.5	15.5	17.0	49.3	94.9	245	210	143	88.0	54.5
AC-FT	990	1240	1010	950	946	3030	5650	15070	12480	8810	5410	3240
MAX	32	26	22	23	22	132	212	1130	485	309	700	138
MIN	14	16	12	10	14	16	56	52	66	53	37	29

CAL YR 1992 TOTAL 20194 MEAN 55.2 MAX 755 MIN 12 AC-FT 40050
 WTR YR 1993 TOTAL 29657 MEAN 81.3 MAX 1130 MIN 10 AC-FT 58820
 MAX DISCH 2414 CFS AT 2015 28-AUG-1993 GH 4.93 FT. SHIFT 0.01 FT. MAX GH 4.93 FT. AT 2015
 28-AUG-1993





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., Archuleta County, Hydrologic Unit 14080101, on left bank at downstream side of private bridge on Banded Peak Ranch, 0.5 mi downstream from Cutthroat Creek, 2.8 mi downstream from East Fork of the Navajo River, and 11.2 mi northeast of Chromo, Co.

DRAINAGE AREA.--69.8 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,939.3 ft above National Geodetic Vertical Datum of 1929 (river-profile survey).

REMARKS.--Diversions for irrigation of about 450 acres upstream from station. Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Nov. 26, 1992; Jan. 4-5, 12-14, 24-26, 28; Feb. 3, 5-7, 1993. Dec. 14-28, 1992 when float was frozen in ice in well. May 17, 28, 30-31, 1993, when float tape hung upon the recorder shelf. Record fair except for the winter period and period of no gage-height record which is poor. Station maintained and records developed by Scott D. Brinton.

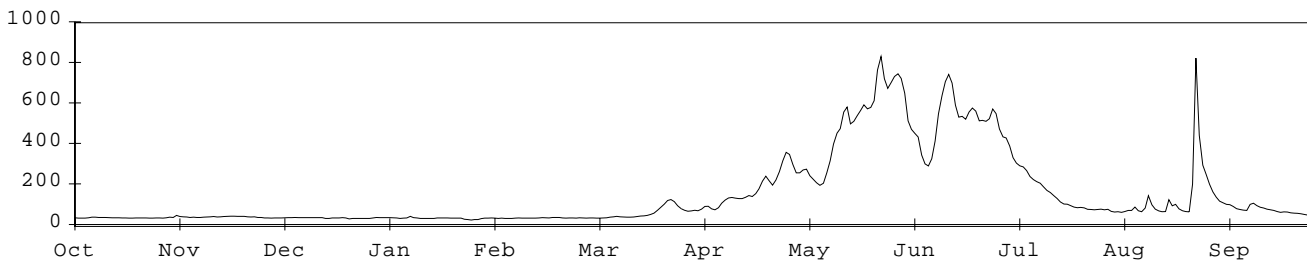
RATING TABLE.--NAVBANCO21 USED FROM 01-OCT-1992 TO 16-MAY-1993

RATING TABLE.--NAVBANCO22 USED FROM 17-MAY-1993 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	39	32	34	32	31	67	296	744	471	73	199
2	31	38	33	34	31	32	70	255	721	433	75	161
3	31	37	34	33	30	32	68	255	648	427	65	135
4	31	35	34	32	31	31	76	269	512	388	61	115
5	33	36	35	30	30	31	89	273	470	330	63	107
6	36	35	34	31	30	32	90	241	450	303	60	99
7	36	35	34	32	30	33	77	223	432	290	64	98
8	35	36	34	40	31	36	73	206	343	284	69	89
9	35	37	34	34	32	38	83	193	299	266	69	78
10	35	38	34	32	31	40	105	204	289	237	86	74
11	34	39	34	30	31	38	121	255	324	222	68	71
12	33	37	34	30	31	37	131	314	412	212	63	69
13	33	38	34	30	31	36	133	397	546	204	81	99
14	33	39	30	30	31	36	130	451	636	186	142	105
15	32	40	30	30	32	37	128	473	705	168	97	93
16	32	41	32	32	34	39	128	555	741	158	76	85
17	31	41	32	32	33	42	134	580	698	143	67	81
18	31	40	32	32	32	43	143	497	589	129	63	76
19	32	40	34	32	35	45	138	509	530	111	64	73
20	32	40	32	31	35	50	152	537	534	101	122	69
21	32	38	28	31	35	56	176	564	520	100	92	64
22	32	37	30	31	32	70	214	591	555	93	99	60
23	31	38	30	31	31	85	238	571	575	86	77	62
24	31	35	30	26	32	100	215	578	560	83	68	61
25	32	35	30	24	32	118	194	611	512	84	64	58
26	32	32	30	22	31	123	220	763	514	82	62	56
27	31	32	30	24	33	113	261	829	509	75	199	55
28	33	31	32	24	32	92	314	720	522	74	821	53
29	36	32	35	29	---	78	356	672	570	73	440	50
30	35	32	34	31	---	70	346	700	547	74	293	46
31	45	---	34	31	---	66	---	730	---	76	247	---
TOTAL	1029	1103	1005	945	891	1710	4670	14312	16007	5963	3990	2541
MEAN	33.2	36.8	32.4	30.5	31.8	55.2	156	462	534	192	129	84.7
AC-FT	2040	2190	1990	1870	1770	3390	9260	28390	31750	11830	7910	5040
MAX	45	41	35	40	35	123	356	829	744	471	821	199
MIN	31	31	28	22	30	31	67	193	289	73	60	46

CAL YR 1992 TOTAL 40741 MEAN 111 MAX 684 MIN 24 AC-FT 80810
 WTR YR 1993 TOTAL 54166 MEAN 148 MAX 829 MIN 22 AC-FT 107400
 MAX DISCH 1090 CFS AT 1815 28-AUG-1993 GH 3.80 FT. SHIFT 0.00 FT. MAX GH 3.80 FT. AT 1815
 28-AUG-1993



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., 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 mi².

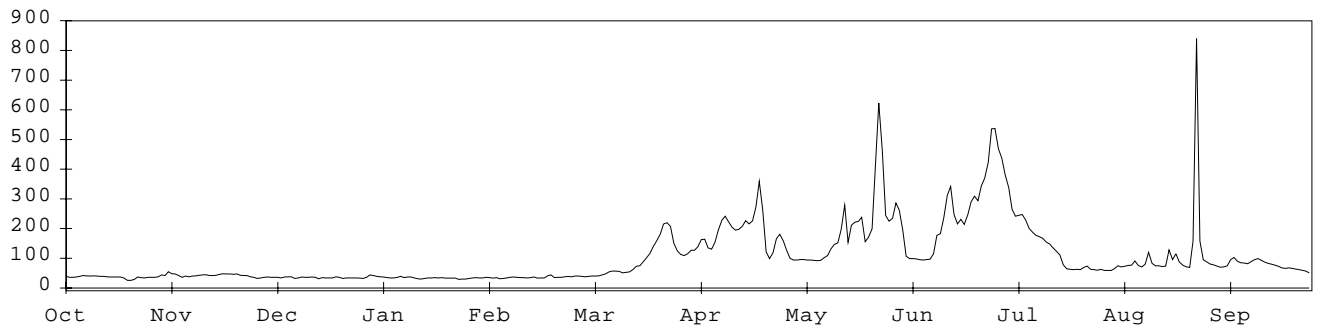
GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,665.30 ft above mean sea level

REMARKS.--Flows controlled by diversion dam upstream of diversions through the Oso Diversion Tunnel into the Azotea Tunnel, as part of the U.S.B.R. San Juan-Chama project. Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Nov. 4, 6, 24-28, 30; Dec. 1-3, 6-8, 17, 20-23, 1992; Jan. 4-6, 13-14, 26-28, 1993. Record good except for flows above 140 cfs (2.50' gage-height, when flow is over the wing walls) and those for the winter period, which are poor. Station maintained by U.S.B.R. Records developed by Scott D. Brinton.

RATING TABLE.--NAVOSOCO03 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	48	36	38	36	39	115	100	286	468	59	81
2	36	47	36	37	35	38	127	94	262	437	59	78
3	36	42	34	35	33	39	127	94	194	381	59	74
4	37	36	37	34	35	40	139	96	107	338	65	70
5	39	40	38	34	31	40	163	96	99	265	75	71
6	42	38	38	36	32	41	164	94	99	242	71	75
7	41	40	32	39	34	44	135	94	98	245	73	95
8	40	41	34	35	36	48	131	93	95	247	76	103
9	41	43	37	37	37	54	154	92	94	229	77	90
10	40	44	36	37	36	57	195	93	96	200	91	85
11	39	45	36	34	35	57	228	102	97	188	76	84
12	39	42	37	31	35	56	242	109	115	177	71	82
13	38	42	36	30	34	51	223	132	177	173	80	89
14	37	43	31	32	35	53	205	147	183	167	120	95
15	37	46	35	34	37	54	195	152	236	155	83	99
16	37	48	34	34	33	62	198	198	312	148	75	93
17	37	47	34	35	34	73	208	279	342	135	75	87
18	33	47	34	34	34	75	227	154	248	124	72	83
19	26	46	38	35	41	88	216	212	216	111	74	80
20	26	47	36	33	44	102	226	222	231	78	128	77
21	29	43	32	33	35	117	273	224	214	65	96	73
22	37	42	34	33	36	140	359	238	246	63	115	68
23	35	42	34	33	36	160	260	156	290	62	88	66
24	34	38	34	29	38	181	122	171	309	63	77	68
25	36	36	34	30	39	216	99	199	294	62	71	66
26	36	32	33	30	38	220	119	413	344	69	69	64
27	36	34	32	32	40	207	166	623	370	74	158	62
28	38	36	36	34	40	151	181	462	423	63	840	60
29	44	37	44	35	---	125	159	244	536	62	158	57
30	42	36	42	34	---	113	127	225	537	60	95	51
31	55	---	39	34	---	109	---	235	---	63	88	---
TOTAL	1162	1248	1103	1051	1009	2850	5483	5843	7150	5214	3414	2326
MEAN	37.5	41.6	35.6	33.9	36.0	91.9	183	188	238	168	110	77.5
AC-FT	2300	2480	2190	2080	2000	5650	10880	11590	14180	10340	6770	4610
MAX	55	48	44	39	44	220	359	623	537	468	840	103
MIN	26	32	31	29	31	38	99	92	94	60	59	51
CAL YR 1992 TOTAL		26697	MEAN	72.9	MAX	554	MIN	26	AC-FT	52950		
WTR YR 1993 TOTAL		37853	MEAN	104	MAX	840	MIN	26	AC-FT	75080		
MAX DISCH		1210 CFS AT 1530	28-AUG-1993	GH	4.93 FT.	SHIFT	-0.12 FT.	MAX GH	4.93 FT.	AT 1530		
28-AUG-1993												



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., La Plata County.

DRAINAGE AREA.--51.3 mi².

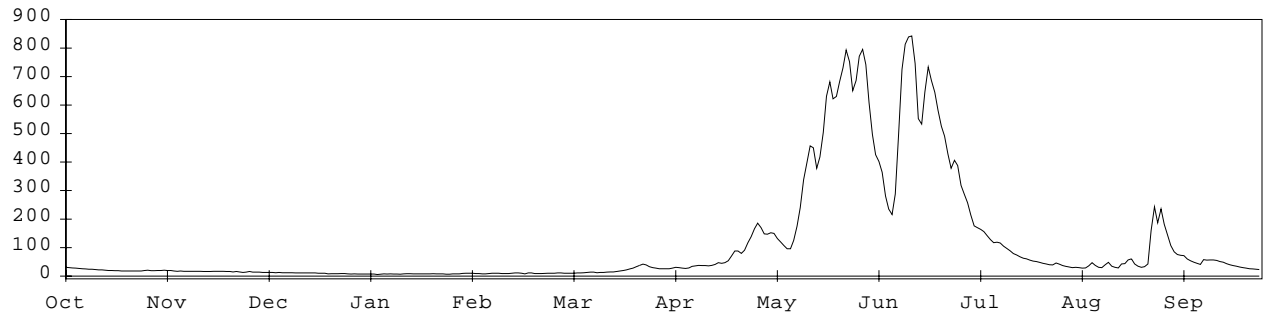
GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Nov. 27 and 30; Dec. 6-7, 14, 17 and 20-27, 1992; Jan. 4-5, 11-12, 19-20 and 22-29; Feb. 3-7, 9, 11-14, 18 and 21-23; Mar. 2-8 and 12-14, 1993, when the stage was ice affected. Records good except for estimated daily discharges which are poor. Diversions for irrigation of up to 80 acres upstream of gage. Station maintained and records developed by David A. Nelson and Scott D. Brinton.

RATING TABLE.--FLOALECO04 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	20	13	7.2	10	11	26	170	795	318	37	182
2	30	20	13	7.2	10	10	26	148	742	288	34	144
3	29	18	13	7.1	9.0	10	26	147	609	257	32	107
4	28	17	12	6.0	9.0	10	28	152	497	214	30	85
5	27	18	13	7.0	8.0	10	31	150	426	176	31	76
6	26	17	12	7.8	8.0	11	30	132	402	170	30	73
7	25	17	12	7.6	9.0	11	28	120	364	164	28	72
8	24	17	12	7.7	10	12	27	107	281	156	29	60
9	24	17	12	7.6	10	13	29	96	235	142	36	54
10	23	17	11	7.6	10	14	34	96	216	128	47	49
11	22	17	11	7.0	9.0	14	36	125	288	117	38	45
12	22	16	11	8.0	9.0	12	38	175	500	119	31	41
13	21	16	11	8.4	9.0	13	37	240	725	116	30	58
14	20	16	11	8.4	10	13	37	338	813	105	40	56
15	20	17	11	8.2	11	14	36	396	839	97	48	57
16	19	17	11	8.1	11	15	38	457	842	89	35	57
17	19	17	10	8.1	10	15	41	450	746	79	31	55
18	18	17	10	8.1	8.0	16	47	378	552	74	29	51
19	18	16	10	8.0	11	18	45	418	533	68	43	49
20	18	16	8.0	8.0	11	20	47	504	646	63	44	44
21	18	15	8.5	8.4	9.0	22	54	631	733	61	57	40
22	18	16	8.5	8.0	9.0	25	70	681	686	56	61	37
23	18	15	8.5	8.0	9.0	28	88	622	645	53	43	35
24	18	13	9.0	8.0	9.9	33	88	630	582	51	35	32
25	20	14	9.0	7.0	10	38	80	682	526	48	31	30
26	21	16	8.0	7.0	10	42	91	730	491	45	33	28
27	19	14	7.5	8.0	10	39	117	793	428	43	43	26
28	19	14	7.7	8.0	11	33	138	752	378	40	160	25
29	20	14	7.4	8.0	---	30	166	650	406	39	243	24
30	20	13	7.3	9.9	---	28	186	686	388	46	187	23
31	21	---	7.1	10	---	26	---	771	---	42	236	---
TOTAL	676	487	315.5	243.4	269.9	606	1765	12427	16314	3464	1832	1715
MEAN	21.8	16.2	10.2	7.85	9.64	19.5	58.8	401	544	112	59.1	57.2
AC-FT	1340	966	626	483	535	1200	3500	24650	32360	6870	3630	3400
MAX	31	20	13	10	11	42	186	793	842	318	243	182
MIN	18	13	7.1	6.0	8.0	10	26	96	216	39	28	23
CAL YR 1992 TOTAL	29776.5	MEAN	81.4	MAX	431	MIN	7.1	AC-FT	59060			
WTR YR 1993 TOTAL	40114.8	MEAN	110	MAX	842	MIN	6.0	AC-FT	79570			
MAX DISCH	1008 CFS AT 2100	16--JUN-1993	GH	3.63 FT.	SHIFT	0.00 FT.	MAX GH	3.63 FT.	AT 2100			
14--JUN-1993												



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., La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder with satellite telemetry and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--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 Scott D. Brinton.

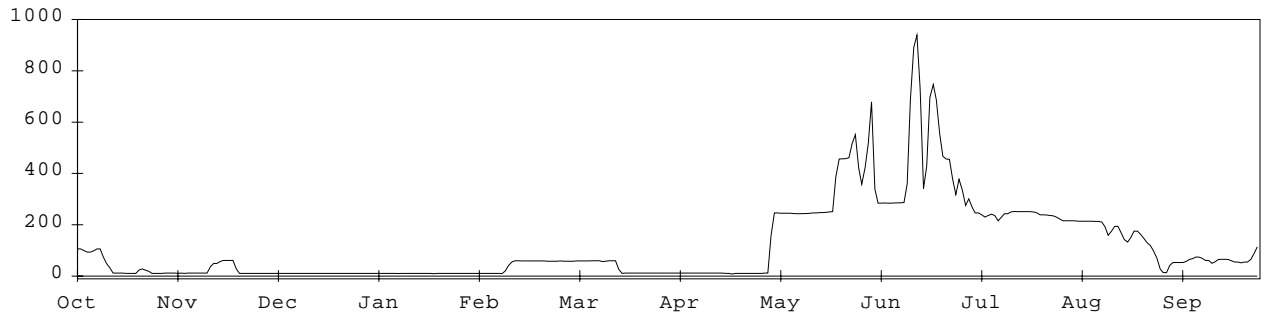
RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	11	11	11	11	58	12	12	423	334	216	14
2	106	12	11	11	11	58	12	12	519	276	216	14
3	100	11	11	11	11	58	12	158	679	301	216	42
4	94	12	11	11	11	59	12	246	339	268	216	53
5	94	12	11	11	11	59	12	246	284	246	215	53
6	99	12	11	11	11	59	12	245	284	246	214	53
7	106	12	11	11	11	59	12	245	285	239	214	53
8	106	12	11	9.8	11	59	12	245	284	230	214	57
9	74	12	11	11	10	60	12	245	284	236	214	65
10	49	12	11	11	20	60	12	244	285	241	214	68
11	32	36	11	11	41	60	12	243	286	236	213	74
12	12	49	11	11	55	57	12	243	286	216	213	74
13	12	49	11	11	60	58	12	244	287	229	211	69
14	12	57	11	11	60	60	12	244	360	243	193	61
15	12	61	11	11	59	60	12	245	688	243	159	61
16	11	61	11	11	59	60	12	246	891	250	175	50
17	11	61	11	11	59	27	12	246	939	252	194	56
18	11	61	11	11	59	11	12	248	729	251	194	65
19	11	28	11	9.3	59	12	11	248	341	251	168	66
20	24	11	11	11	59	12	11	249	429	251	142	66
21	28	11	11	11	59	12	8.0	250	697	251	133	65
22	23	11	11	11	59	12	11	251	746	251	151	60
23	19	11	11	11	58	12	11	387	687	250	175	55
24	11	11	11	11	58	12	11	456	555	246	175	55
25	11	11	11	11	58	12	11	457	467	239	163	52
26	11	11	11	11	58	12	11	458	456	239	147	55
27	11	11	11	11	59	12	11	461	455	238	130	55
28	12	11	11	11	58	12	11	517	378	236	119	66
29	12	11	11	11	---	12	11	551	318	235	97	88
30	12	11	11	11	---	12	11	420	377	230	71	114
31	12	---	11	11	---	12	---	358	---	223	28	---
TOTAL	1244	702	341	338.1	1155	1138	345.0	8920	14038	7677	5400	1779
MEAN	40.1	23.4	11.0	10.9	41.3	36.7	11.5	288	468	248	174	59.3
AC-FT	2470	1390	676	671	2290	2260	684	17690	27840	15230	10710	3530
MAX	106	61	11	11	60	60	12	551	939	334	216	114
MIN	11	11	11	9.3	10	11	8.0	12	284	216	28	14

CAL YR 1992 TOTAL 36726 MEAN 100 MAX 456 MIN 10 AC-FT 72850
WTR YR 1993 TOTAL 43077.1 MEAN 118 MAX 939 MIN 8.0 AC-FT 85440

MAX DISCH 975 CFS AT 2315 17-JUN-1993 GH 5.04 FT. SHIFT -0.03 FT. MAX GH 5.04 FT. AT 2315
17-JUN-1993



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., San Juan County.

DRAINAGE AREA.--55.9 mi².

GAGE.--Water-stage recorder. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

REMARKS.--Estimated daily discharge: Nov. 4, 6, 22-27 and 29-30; Dec. 6-7, 13-14 and 16-27, 1992; Jan. 1, 3-5, 12-13, 21-22 and 24-30; Feb. 1, 3-7, 12-14, 16, 18 and 20-23; Mar. 2-9, 12-13 and 31, 1993, when the stage was ice affected. 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.

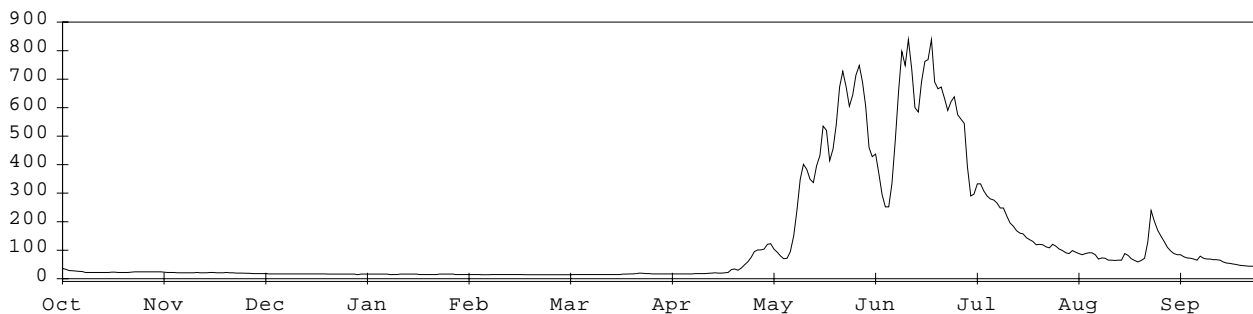
RATING TABLE.--ANIHOWCO07 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	23	18	16	15	14	17	101	748	575	104	150
2	33	22	18	16	15	14	17	101	690	560	99	130
3	29	22	17	16	15	14	17	104	605	545	91	110
4	28	22	17	16	15	14	17	121	460	392	88	97
5	27	21	17	16	15	14	17	123	428	290	99	88
6	26	21	17	16	14	15	17	104	437	297	93	84
7	25	21	17	16	14	15	17	93	370	333	88	84
8	22	21	17	16	14	15	17	80	294	333	84	77
9	22	21	17	15	15	15	17	70	252	308	88	73
10	22	21	17	15	15	15	17	72	252	290	91	72
11	22	22	17	15	15	15	17	95	333	280	91	69
12	22	21	17	16	15	15	18	150	485	276	84	65
13	22	21	17	16	15	15	18	238	660	266	69	79
14	22	21	17	16	15	15	18	349	797	248	73	72
15	22	22	17	16	15	15	18	401	748	248	72	69
16	23	22	17	16	15	15	19	383	839	220	65	69
17	23	21	17	16	15	15	20	349	734	196	65	67
18	22	21	17	15	15	15	21	337	600	184	64	67
19	22	21	17	15	14	15	20	396	585	168	65	65
20	22	22	17	15	14	15	20	432	690	160	65	59
21	22	21	16	15	14	16	21	535	762	157	88	55
22	23	21	16	15	14	16	22	520	769	144	82	54
23	24	20	16	15	14	17	32	414	839	137	70	52
24	24	20	16	16	14	17	34	455	690	130	64	50
25	24	20	16	16	14	18	30	540	666	119	59	47
26	24	19	16	16	14	20	37	672	672	121	64	46
27	24	19	16	16	14	19	49	727	632	119	72	45
28	24	18	16	16	14	18	59	672	590	112	128	44
29	24	18	16	15	---	18	75	605	622	108	239	44
30	24	18	14	15	---	17	95	644	638	121	202	43
31	24	---	16	15	---	17	---	714	---	114	170	---
TOTAL	753	623	516	484	407	488	813	10597	17887	7551	2876	2126
MEAN	24.3	20.8	16.6	15.6	14.5	15.7	27.1	342	596	244	92.8	70.9
AC-FT	1490	1240	1020	960	807	968	1610	21020	35480	14980	5700	4220
MAX	36	23	18	16	15	20	95	727	839	575	239	150
MIN	22	18	14	15	14	14	17	70	252	108	59	43

CAL YR 1992 TOTAL 33057 MEAN 90.3 MAX 485 MIN 14 AC-FT 65570
WTR YR 1993 TOTAL 45121 MEAN 124 MAX 839 MIN 14 AC-FT 89500

MAX DISCH 994 CFS AT 2230 16-JUN-1993 GH 3.48 FT. SHIFT 0.00 MAX GH 3.48 FT. AT 2230 16-JUN-1993



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., La Plata County, Hydrologic Unit 14080105, on right bank at Hesperus 700 ft downstream from U.S. Highway 160.

DRAINAGE AREA.--37 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 8,104.71 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--La Plata River and Cherry Creek ditch and Pine Ridge ditch export water upstream from station for irrigation of up to 2000 acres in the Cherry Creek drainage and 300 acres in the Lightner and Basin Creek drainage's. Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Nov. 21-22, 24-30; Dec. 1-2, 5-7, 9-11, 13-31, 1992; Jan. 4-9, 11-14, 19-22, 24-29; Feb. 3-7, 9-16, 18-25; Mar. 2-8, 12-14, 1993. Record good except for the winter period which is poor. Station maintained and records developed by Scott D. Brinton.

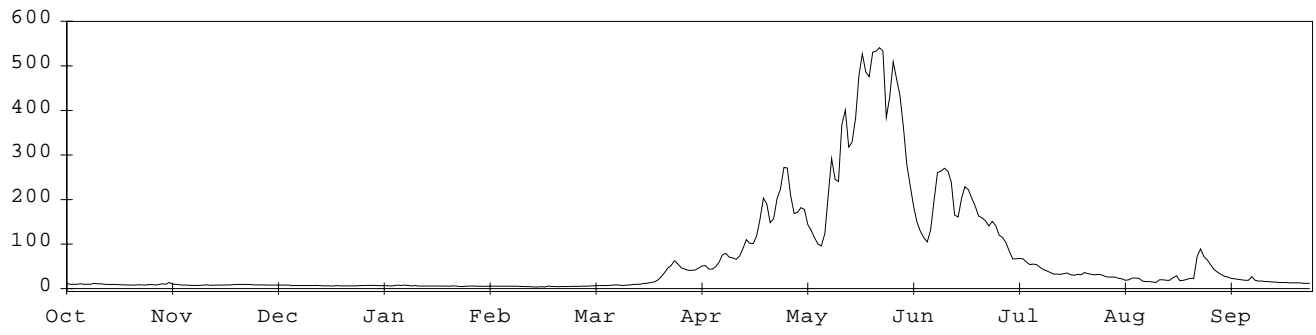
RATING TABLE.--LAPHESCO31 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	10	8.0	6.8	5.7	5.5	41	209	471	120	28	53
2	10	10	8.0	6.9	5.6	5.5	41	169	434	115	26	43
3	10	8.9	7.9	6.7	5.5	6.0	42	171	362	104	26	37
4	10	8.1	8.0	6.0	5.5	6.5	46	182	279	84	26	32
5	11	8.0	8.0	7.0	5.5	7.0	51	178	232	67	23	28
6	10	7.7	7.0	8.0	5.5	7.0	52	144	184	67	22	26
7	9.8	7.6	7.0	7.0	5.5	7.0	44	131	149	68	19	23
8	10	7.6	7.2	8.0	5.4	7.0	44	114	129	67	20	22
9	12	7.6	7.0	7.0	5.5	7.5	49	100	114	60	24	21
10	11	8.0	7.0	6.6	5.5	7.9	59	96	105	54	24	20
11	11	8.4	7.0	7.0	5.0	8.4	76	124	132	55	23	19
12	10	7.7	7.0	6.0	5.0	8.0	79	210	200	54	17	19
13	9.7	7.8	7.5	6.0	4.5	7.0	71	292	261	48	16	27
14	9.6	8.0	7.0	6.0	4.5	8.0	69	245	264	43	16	19
15	9.4	8.0	6.5	6.0	4.0	8.7	66	241	270	40	15	17
16	9.0	8.3	6.5	6.0	4.0	9.7	73	368	264	36	14	17
17	8.8	8.4	6.5	6.1	4.4	10	90	401	239	33	20	16
18	8.5	8.4	6.0	6.0	4.0	10	110	318	165	33	20	16
19	8.4	9.0	7.0	6.0	6.0	12	102	329	161	32	19	15
20	8.2	9.6	6.5	6.0	5.0	12	101	383	202	34	19	15
21	8.3	9.5	6.5	5.5	5.0	14	118	479	229	35	25	14
22	8.8	9.5	6.5	6.5	4.5	15	155	527	222	31	29	14
23	8.4	9.7	6.5	5.9	5.0	19	203	486	203	30	18	14
24	8.0	9.0	6.5	5.0	5.0	26	190	476	186	32	19	13
25	9.2	8.5	6.5	5.0	5.0	35	148	531	163	31	21	13
26	9.3	8.5	7.0	5.5	5.2	46	157	533	159	36	23	13
27	8.6	8.5	7.0	6.0	5.2	52	202	541	153	34	23	13
28	9.2	8.5	7.5	6.0	5.3	63	223	533	141	32	73	12
29	11	8.0	7.5	5.5	---	55	272	384	151	31	89	12
30	10	8.0	7.5	5.4	---	47	271	430	142	32	72	12
31	14	---	7.0	5.3	---	44	---	509	---	31	64	---
TOTAL	303.2	254.8	218.6	192.7	141.8	576.7	3245	9834	6366	1569	873	615
MEAN	9.78	8.49	7.05	6.22	5.06	18.6	108	317	212	50.6	28.2	20.5
AC-FT	601	505	434	382	281	1140	6440	19510	12630	3110	1730	1220
MAX	14	10	8.0	8.0	6.0	63	272	541	471	120	89	53
MIN	8.0	7.6	6.0	5.0	4.0	5.5	41	96	105	30	14	12

CAL YR 1992 TOTAL 17664.3 MEAN 48.3 MAX 379 MIN 6.0 AC-FT 35040
WTR YR 1993 TOTAL 24189.8 MEAN 66.3 MAX 541 MIN 4.0 AC-FT 47980

MAX DISCH 660 CFS AT 0015 22-MAY-1993 GH 3.86 FT. SHIFT -0.16 FT. MAX GH 3.86 FT. AT 0015
22-MAY-1993



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., La Plata County.

DRAINAGE AREA.--66 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 6,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Nov. 21-23; Dec. 1-3, 6, 15-17 and 22-25, 1992; Jan. 7-9, 12-14, 20-21 and 23-24; Feb. 8, 1993, when the stage was ice affected; Nov. 24-30; Dec. 7-14, 18-21 and 26-31, 1992; Jan. 1-5, 10, 16, 18-19 and 25-31; Feb. 1-3 and 22-25, 1993 when recorder stopped and the DCP did not report correctly. Records fair except for estimated daily discharges which are poor. Diversion for irrigation of up to 380 acres upstream of gage and for 2100 acres of irrigation with water imported from the La Plata River via the La Plata and Cherry Creek Ditch. Station maintained and records developed by J. Russell Kennedy and Scott D. Brinton.

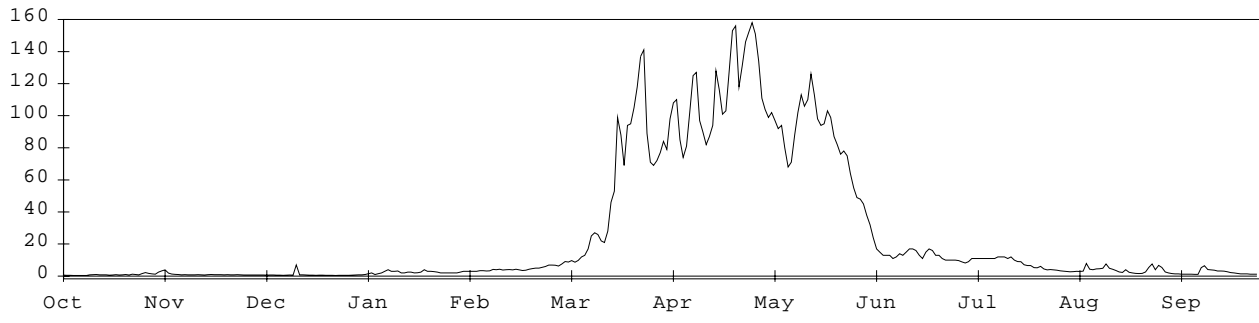
RATING TABLE.--CHEREDCO02 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.68	3.9	0.70	1.0	3.0	6.3	77	134	48	9.7	3.3	5.4
2	0.54	1.9	0.60	1.5	3.0	7.6	84	111	45	8.9	3.1	2.6
3	0.52	1.3	0.70	2.0	3.0	9.1	79	104	38	8.2	2.9	2.0
4	0.44	1.1	0.70	1.0	3.0	8.8	98	99	32	9.0	2.7	1.6
5	0.43	0.99	0.67	1.5	3.4	9.7	108	102	24	11	2.8	1.4
6	0.44	0.85	0.60	2.0	3.4	8.7	110	97	17	11	3.0	1.4
7	0.38	0.93	0.50	3.0	3.2	9.8	85	92	15	11	2.9	1.2
8	0.42	0.84	0.60	4.0	3.3	12	74	94	13	11	3.1	1.2
9	0.77	0.76	0.70	3.0	4.2	13	81	80	13	11	7.9	1.2
10	0.95	0.80	0.60	3.0	4.0	17	102	68	13	11	4.3	1.2
11	0.99	0.95	7.0	3.2	4.3	25	125	71	11	11	4.0	1.1
12	0.74	0.85	0.80	2.0	3.8	27	127	88	12	11	4.5	1.1
13	0.78	0.70	0.80	2.0	4.0	26	97	102	14	12	4.6	5.3
14	0.75	0.90	0.70	2.5	4.1	22	90	113	13	12	4.9	6.5
15	0.68	1.0	0.60	2.5	3.9	21	82	106	15	12	7.6	4.1
16	0.70	0.95	0.60	2.0	4.3	28	87	110	17	11	4.9	3.9
17	0.88	0.89	0.50	2.1	3.9	46	94	126	17	12	4.3	3.7
18	0.72	0.89	0.60	2.5	3.5	53	128	113	16	10	3.5	3.2
19	0.74	0.81	0.60	4.0	3.7	99	116	98	13	9.1	2.6	3.2
20	0.98	0.90	0.50	3.0	4.3	88	101	94	11	9.0	2.3	3.1
21	0.72	0.80	0.50	3.0	4.7	69	103	95	15	7.1	4.0	2.7
22	1.2	0.80	0.50	2.8	5.0	94	127	103	17	6.6	2.4	2.2
23	0.98	0.90	0.40	2.5	5.0	95	153	99	16	6.6	2.0	2.0
24	0.84	0.80	0.50	2.0	5.5	105	156	87	13	5.3	1.7	1.7
25	1.6	0.70	0.50	2.0	6.0	118	118	82	13	5.2	1.6	1.4
26	2.2	0.70	0.50	2.0	6.9	137	131	76	11	6.1	1.7	1.4
27	1.7	0.70	0.50	2.0	6.9	141	146	78	10	4.5	2.6	1.4
28	1.4	0.70	0.60	2.0	6.8	89	152	75	10	3.9	5.4	1.2
29	1.2	0.70	0.70	2.0	---	71	158	64	10	4.1	7.6	1.2
30	2.5	0.70	0.80	2.5	---	69	151	55	10	3.9	4.0	1.2
31	3.3	---	0.80	3.0	---	72	---	49	---	3.7	6.7	---
TOTAL	31.18	29.70	25.37	73.6	120.1	1597.0	3340	2865	522	267.9	118.9	70.8
MEAN	1.01	0.99	0.82	2.37	4.29	51.5	111	92.4	17.4	8.64	3.84	2.36
AC-FT	62	59	50	146	238	3170	6620	5680	1040	531	236	140
MAX	3.3	3.9	7.0	4.0	6.9	141	158	134	48	12	7.9	6.5
MIN	0.38	0.70	0.40	1.0	3.0	6.3	74	49	10	3.7	1.6	1.1

CAL YR 1992 TOTAL 4943.34 MEAN 13.5 MAX 108 MIN 0.00 AC-FT 9810
WTR YR 1993 TOTAL 9061.56 MEAN 24.8 MAX 158 MIN 0.38 AC-FT 17970

MAX DISCH 211 CFS AT 0730 27-APR-1993 GH 3.11 FT. SHIFT 0.05 FT. MAX GH 3.12 FT. AT 0545
24-APR-1993



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., La Plata County.

DRAINAGE AREA.-- 46.5 mi².

GAGE.--Water-stage recorder with satellite telemetry and a three foot parshall flume. Datum of gauge is 6,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Nov. 25-30; Dec. 1-2, 7-8, 10 and 14-24, 1992; Jan. 4-5, 12-13 and 25-26, 1993, when the stage was ice affected. 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.

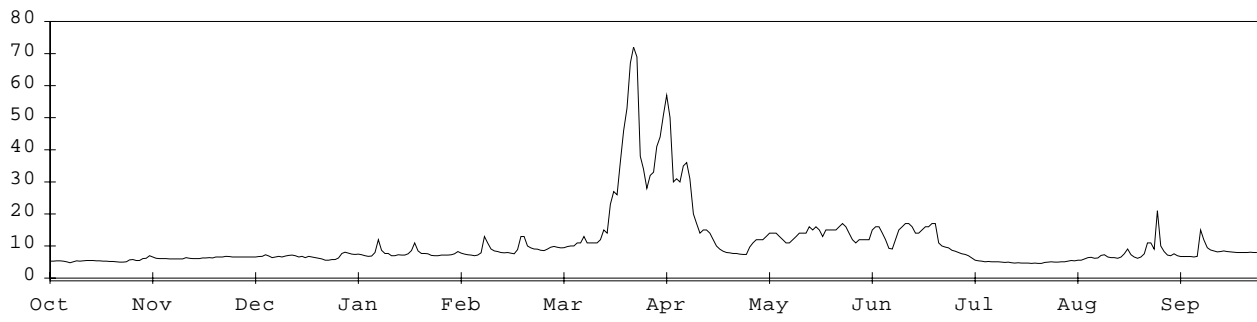
RATING TABLE.--LONREDCO01 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	6.6	6.6	7.4	8.3	9.6	33	11	11	8.4	5.0	10
2	5.3	6.2	6.6	7.5	7.8	9.9	41	12	12	8.0	5.1	8.3
3	5.4	6.1	6.7	7.3	7.5	9.6	44	12	12	7.6	5.1	7.2
4	5.4	6.1	6.8	7.0	7.3	9.4	51	12	12	7.4	5.3	7.0
5	5.3	6.1	7.3	6.8	7.2	9.5	57	13	12	7.0	5.5	7.6
6	5.1	6.0	6.9	6.9	7.0	9.8	50	14	15	6.3	5.4	7.0
7	4.8	6.0	6.4	8.0	7.2	10	30	14	16	5.6	5.6	6.7
8	5.1	6.0	6.6	12	7.9	10	31	14	16	5.4	5.6	6.7
9	5.4	6.0	6.8	8.7	13	11	30	13	14	5.3	6.0	6.7
10	5.3	6.0	6.6	7.7	11	11	35	12	12	5.1	6.4	6.7
11	5.4	6.4	6.9	7.7	9.1	13	36	11	9.3	5.2	6.5	6.6
12	5.5	6.2	7.1	7.0	8.5	11	31	11	9.1	5.1	6.2	6.8
13	5.5	6.1	7.2	7.0	8.3	11	20	12	12	5.1	6.3	15
14	5.5	6.1	7.0	7.3	8.0	11	17	13	15	5.1	7.1	12
15	5.4	6.1	6.6	7.2	7.9	11	14	14	16	5.0	7.3	9.5
16	5.4	6.3	6.8	7.2	8.0	12	15	14	17	4.9	6.6	8.8
17	5.3	6.3	6.4	7.6	7.8	15	15	14	17	5.0	6.4	8.5
18	5.3	6.4	6.8	8.6	7.6	14	14	16	16	4.8	6.4	8.2
19	5.2	6.3	6.6	11	8.9	23	12	15	14	4.7	6.2	8.3
20	5.2	6.6	6.4	8.5	13	27	10	16	14	4.8	6.6	8.5
21	5.1	6.6	6.2	7.7	13	26	9.0	15	15	4.7	7.6	8.3
22	5.0	6.6	6.0	7.7	10	36	8.4	13	16	4.7	9.1	8.2
23	5.0	6.8	5.6	7.6	9.4	46	8.0	15	16	4.7	7.3	8.1
24	5.1	6.7	5.6	7.1	9.1	53	7.9	15	17	4.6	6.6	8.0
25	5.7	6.6	5.8	7.0	9.0	67	7.7	15	17	4.7	6.2	8.0
26	5.8	6.6	5.8	7.0	8.7	72	7.7	15	11	4.6	6.6	8.0
27	5.5	6.6	6.3	7.2	8.6	69	7.5	16	10	4.6	7.6	8.0
28	5.5	6.6	7.7	7.2	9.0	38	7.4	17	9.7	4.9	11	8.1
29	6.1	6.6	8.1	7.2	---	34	7.4	16	9.4	5.0	11	8.0
30	6.2	6.6	7.8	7.3	---	28	9.7	14	8.7	5.1	9.0	8.0
31	7.0	---	7.5	7.6	---	32	---	12	---	5.0	21	---
TOTAL	168.1	190.2	207.5	239.0	248.1	748.8	666.7	426	401.2	168.4	223.6	246.8
MEAN	5.42	6.34	6.69	7.71	8.86	24.2	22.2	13.7	13.4	5.43	7.21	8.23
AC-FT	333	377	412	474	492	1490	1320	845	796	334	444	490
MAX	7.0	6.8	8.1	12	13	72	57	17	17	8.4	21	15
MIN	4.8	6.0	5.6	6.8	7.0	9.4	7.4	11	8.7	4.6	5.0	6.6

CAL YR 1992 TOTAL	2546.2	MEAN	6.96	MAX	43	MIN	3.8	AC-FT	5050
WTR YR 1993 TOTAL	3934.4	MEAN	10.8	MAX	72	MIN	4.6	AC-FT	7800

MAX DISCH	103 CFS AT 0100 26-MAR-1993	GH	3.25 FT.	SHIFT	0.00 FT.	MAX GH	3.25 FT. AT 0100 26-
MAR-1993							



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., 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 mi².

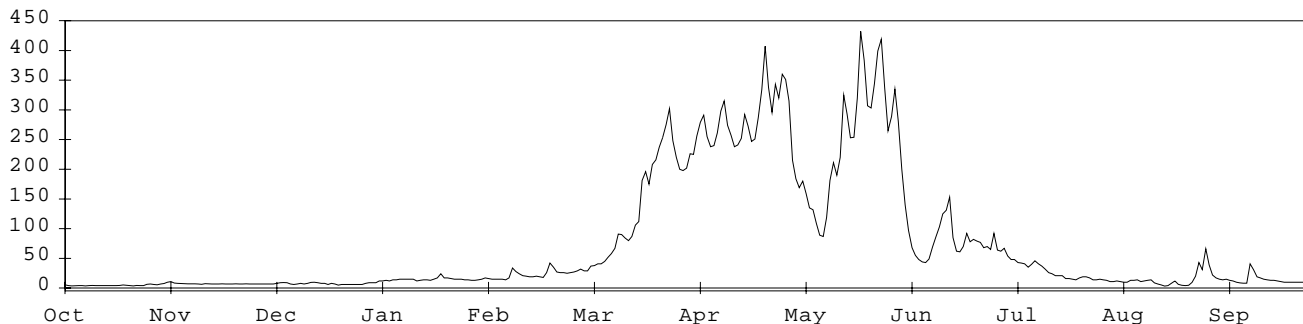
GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 5,975.15 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Diversions upstream from station for irrigation of about 10,000 acres. Record is complete and reliable except for the following periods: Stage-discharge relationship ice affected Nov. 21-22, 24-30; Dec. 1-3, 5-11, 14-31, 1992; Jan. 1-2, 4-9, 12-13, 24-29, 1993. Record good except for the winter period which is poor. Station maintained and records developed by Scott D. Brinton.

RATING TABLE.--LAPMEXCO26 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	5.6	11	7.0	12	17	32	202	315	335	64	14	39	
2	4.3	8.6	8.0	12	16	29	226	215	281	62	13	22	
3	3.6	8.0	9.0	13	15	29	225	184	200	67	11	17	
4	3.9	7.8	9.4	12	15	37	256	169	140	54	11	15	
5	4.2	7.5	9.0	14	15	38	279	180	97	48	12	14	
6	4.0	7.3	7.0	14	15	41	291	159	68	48	11	15	
7	3.6	7.2	6.0	15	14	41	255	135	55	43	10	13	
8	4.1	7.1	7.0	15	17	45	238	132	48	42	9.9	12	
9	4.4	6.8	8.0	15	34	52	240	109	44	41	13	9.9	
10	4.2	6.4	7.0	15	28	58	261	89	43	35	13	8.7	
11	4.2	7.5	8.0	15	24	67	298	87	49	40	14	8.2	
12	4.3	7.1	9.6	12	21	91	315	119	69	46	11	8.3	
13	4.3	6.8	10	13	20	90	274	181	86	41	12	41	
14	4.1	6.8	9.0	14	19	84	257	211	103	37	13	31	
15	4.0	6.9	8.0	14	19	80	238	190	125	32	14	19	
16	4.3	7.1	8.0	13	20	87	241	220	131	26	8.9	17	
17	4.6	7.0	6.0	15	19	106	252	325	153	24	6.9	15	
18	5.3	7.0	8.0	17	18	112	292	293	85	21	5.4	14	
19	4.7	7.0	7.0	24	26	181	273	253	62	21	3.5	13	
20	4.2	7.2	5.0	17	42	196	247	254	61	21	4.2	13	
21	3.8	7.0	6.0	17	35	175	251	320	70	16	8.2	12	
22	4.4	7.0	6.0	16	27	208	287	432	92	16	12	11	
23	4.2	7.2	6.0	15	26	216	334	383	78	15	6.5	10	
24	4.2	7.0	6.0	15	26	237	407	307	82	14	4.9	10	
25	6.4	7.0	6.0	15	25	253	338	303	79	17	4.1	10	
26	6.9	7.0	6.0	14	26	275	296	344	77	19	4.8	10	
27	6.2	7.0	6.0	14	27	302	343	399	68	19	9.5	10	
28	5.7	7.0	8.0	13	29	248	320	419	70	17	20	9.9	
29	6.8	7.0	9.0	13	---	220	360	337	65	14	43	10	
30	7.7	7.0	9.0	14	---	200	351	265	92	14	31	10	
31	9.9	---	9.0	15	---	198	---	289	---	15	66	---	
TOTAL	152.1	218.3	233.0	452	635	4028	8447	7618	3008	989	420.8	448.0	
MEAN	4.91	7.28	7.52	14.6	22.7	130	282	246	100	31.9	13.6	14.9	
AC-FT	302	433	462	897	1260	7990	16750	15110	5970	1960	835	889	
MAX	9.9	11	10	24	42	302	407	432	335	67	66	41	
MIN	3.6	6.4	5.0	12	14	29	202	87	43	14	3.5	8.2	
CAL YR 1992 TOTAL	13385.10	MEAN	36.6	MAX	353	MIN	0.56	AC-FT	26550				
WTR YR 1993 TOTAL	26649.2	MEAN	73.0	MAX	432	MIN	3.5	AC-FT	52860				
MAX DISCH	518	CFS AT 2115	22-MAY-1993	GH	5.46	FT.	SHIFT	-0.14	FT.	MAX	GH	5.46	FT. AT 2115
22-MAY-1993													



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., Montezuma County.

DRAINAGE AREA.--72.6 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Nov. 21-30; Dec. 1-31, 1992; Jan. 1-31; Feb. 1-28; Mar. 1-9, 1993, when the well was frozen; July 8-13, 1993, when the well was silted in. Records fair except for estimated daily discharges which are poor. Diversion for irrigation of up to 4010 acres upstream of gage and for Jackson Gulch Reservoir, capacity of 9948 acre-feet. Station maintained and records developed by Scott D. Brinton.

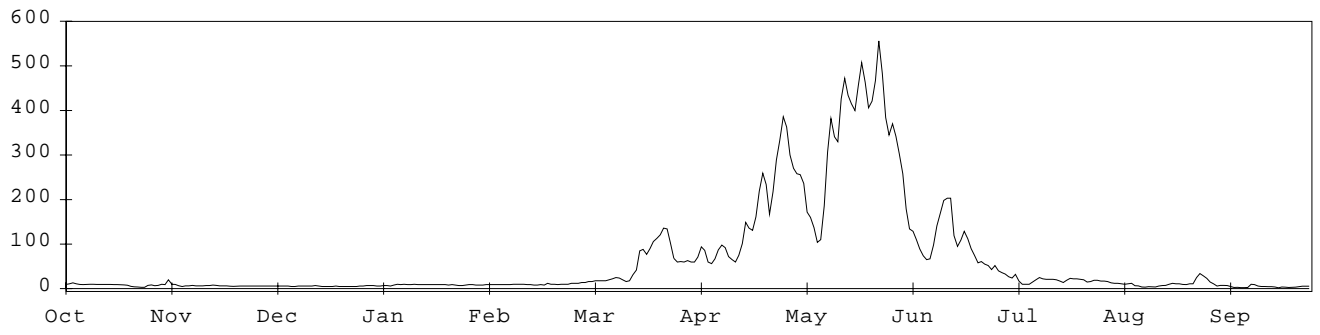
RATING TABLE.--MANMANCO07 USED FROM 01-OCT-1992 TO 30-SEP-1993

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	9.8	6.0	6.0	9.0	14	63	300	342	40	17	15
2	11	9.4	6.0	7.0	9.0	14	60	270	303	36	16	11
3	13	6.8	6.0	7.0	9.0	16	60	258	258	33	13	5.8
4	11	5.0	6.0	6.0	9.0	16	71	256	179	27	12	7.4
5	9.7	6.2	6.0	8.0	9.0	18	94	236	134	24	12	7.6
6	9.2	6.4	5.0	10	9.0	18	86	172	129	32	11	7.0
7	9.4	7.3	5.0	9.0	9.0	18	60	160	110	17	9.8	4.8
8	9.8	6.4	6.0	10	9.0	18	56	137	89	10	11	2.9
9	9.8	6.5	6.0	9.0	10	20	67	104	74	10	12	3.0
10	9.5	6.3	6.0	9.0	10	22	87	110	65	10	6.8	2.4
11	9.6	7.0	6.0	10	10	25	98	186	67	15	6.3	2.2
12	9.4	7.0	6.0	9.0	10	24	92	307	98	20	3.8	2.6
13	9.7	8.2	7.0	9.0	9.0	20	72	382	141	25	3.6	9.9
14	9.5	7.4	6.0	9.0	9.0	16	65	341	170	22	4.5	9.3
15	9.3	6.3	5.0	9.0	8.0	18	60	330	198	21	4.2	6.0
16	9.2	6.3	5.0	9.0	8.0	31	75	426	203	21	3.7	5.1
17	8.8	6.3	5.0	9.0	9.0	42	101	472	203	21	6.0	4.8
18	8.6	5.7	5.0	9.0	8.0	85	149	434	119	20	7.1	4.6
19	7.8	5.2	6.0	9.0	12	88	136	415	95	17	7.6	4.6
20	5.3	5.7	5.0	9.0	10	77	131	400	109	14	10	3.9
21	4.1	6.0	5.0	8.0	10	90	161	456	129	19	12	2.0
22	3.8	6.0	5.0	9.0	9.0	106	219	507	112	23	11	3.7
23	3.0	6.0	5.0	8.0	10	113	259	463	90	22	11	3.6
24	3.1	6.0	5.0	7.0	10	121	234	406	75	22	9.7	2.8
25	7.6	6.0	5.0	7.0	10	136	167	421	58	21	9.0	3.0
26	8.7	6.0	6.0	8.0	12	134	218	467	61	20	11	3.5
27	6.7	6.0	6.0	9.0	12	102	289	556	55	15	11	4.4
28	7.3	6.0	7.0	9.0	12	68	333	483	52	16	25	5.7
29	9.9	6.0	7.0	8.0	---	60	386	384	43	19	34	5.5
30	9.0	6.0	7.0	8.0	---	61	363	345	52	19	29	5.4
31	20	---	6.0	8.0	---	60	---	370	---	17	23	---
TOTAL	272.2	195.2	178.0	261.0	270.0	1651	4312	10554	3813	648	363.1	159.5
MEAN	8.78	6.51	5.74	8.42	9.64	53.3	144	340	127	20.9	11.7	5.32
AC-FT	540	387	353	518	536	3270	8550	20930	7560	1290	720	316
MAX	20	9.8	7.0	10	12	136	386	556	342	40	34	15
MIN	3.0	5.0	5.0	6.0	8.0	14	56	104	43	10	3.6	2.0

CAL YR 1992 TOTAL	15827.94	MEAN	43.2	MAX	479	MIN	0.94	AC-FT	31390
WTR YR 1993 TOTAL	22677.0	MEAN	62.1	MAX	556	MIN	2.0	AC-FT	44980

MAX DISCH	604 CFS AT 0115 22-MAY-1993 GH	3.11 FT. SHIFT	-0.32 FT. MAX GH	3.11 FT. AT 0115
22-MAY-1993				



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1993 Water Year Stream Flow Data
on PC Compatible Diskettes

Mean daily flow values for gaging stations are available on a DOS compatible diskette with this report. Each station's data are in a file named by an eight-character station identification code, followed by the filename extension "H93". A list of the eight character codes follows. For example, the values for "Eureka Ditch" are in the file "EURDITCO.H93".

The files contain ASCII text information. There are two columns. The 1st column is the number of the day of the water year, and the second is that day's mean flow. October 1, 1992 is day number 1. September 30, 1993 is day 365.

Station Identification Codes
for Data on Diskette

DIV I

CODE	NAME
ADATUNCO	ALVA B. ADAMS TUNNEL AT EAST PORTAL, NEAR ESTES PARK
APGTUNCO	AUGUST P. GUMBLICK TUNNEL NEAR JONES PASS, CO.
BCRMORCO	BEAR CREEK AT MORRISON, COLORADO
BCRSHECO	BEAR CREEK AT SHERIDAN, COLORADO
BEAVERCO	BEAVER CREEK ABOVE BEAVER RESERVOIR
BERDITCO	BERTHOUD PASS DITCH AT BERTHOUD PASS, CO
BIGLASCO	BIG THOMPSON AT MOUTH, NEAR LA SALLE, CO, WELD COUNT
BOCBGRCO	SOUTH BOULDER CREEK BELOW GROSS RESERVOIR, BOULDER C
BOCELSCO	SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS, COLORADO
BOCMIDCO	MIDDLE BOULDER CREEK AT NEDERLAND, CO.
BORDITCO	BOREAS PASS DITCH AT BOREAS PASS, CO
BFLYOCO	BOULDER CREEK FEEDER CANAL NEAR LYONS, CO
BOCOROCO	BOULDER CREEK NEAR ORODELL, CO, BOULDER COUNTY
BCSCBCCO	BOULDER CK. SUPPLY CANAL TO BOULDER CK. NEAR BOULDER
BFLHCCO	BOULDER FEEDER CANAL TO LEFTHAND CREEK
BOSDELCO	BOULDER CREEK, SOUTH DIVERSION NR ELDORADO SPRINGS,
BTABESCO	BIG THOMPSON RIVER ABOVE LAKE ESTES
BTBLESCO	BIG THOMPSON RIVER BELOW LAKE ESTES
BTANYCO	BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE, C
BTNFRDRCO	NORTH FORK BIG THOMPSON RIVER AT DRAKE, CO.
CAPDCPCO	CAMERON PASS DITCH NEAR CAMERON PASS, CO.
CLAFTCCO	CACHE LA POUDE AT CANYON MOUTH, NEAR FORT COLLINS
CLAGRECO	CACHE LA POUDE NEAR GREELEY, COLORADO, WELD COUNTY
CLEDERCO	CLEAR CREEK AT DERBY, COLORADO
DEADDPKO	DEADMAN DITCH NEAR DEADMAN PARK, CO.
DILTUNCO	DILLE TUNNEL NEAR DRAKE, CO.
DRYCRKCO	DRY CREEK TURNOUT NEAR NIWOT, CO
EURDITCO	EUREKA DITCH
FISHESCO	FISH CREEK NEAR ESTES PARK, CO.
GRNDRDRCO	GRAND RIVER DITCH AT LA POUDE PASS
HFCCBSCO	CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHO
HFCPLCO	CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMP
HFCWASCO	CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON
HLDBBRCO	HALE DITCH BELOW BONNY RESERVOIR NEAR HALE, CO
HFCCRCO	HANSEN FDR CAN AT T.O. TO COTTONWOOD CR. NR NIWOT, CO
HSCCLPCO	HANSEN SUP CAN TO CACHE LA POUDE R. NR FT. COLLINS
HSCPVDRCO	HANSEN SUP CAN TO POUDE VAL. CAN NR. FT. COLLINS, CO
HSPTUNCO	HOOSIER PASS TUNNEL AT MONTGOMERY RES., NEAR ALMA, C
LAPTUNCO	LARAMIE POUDE TUNNEL
LEFTHDCO	LEFTHAND DIVERSION AT ST. VRAIN CREEK NR WARD, CO
MICDCPCO	MICHIGAN DITCH AT CAMERON PASS, CO.
MOFTUNCO	MOFFAT WATER TUNNEL, GILPIN COUNTY, COLORADO
MUNCANCO	MUNROE CANAL
OLYTUNCO	OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES
PIOHDGCO	PIONEER DITCH AT HEADGATE
PIOSTLCO	PIONEER DITCH AT CO/NE STATE LINE
PLAANTCO	SOUTH PLATTE RIVE BELOW ANTERO RESERVOIR
PLABALCO	SOUTH PLATTE RIVER AT COOPER BRIDGE, NEAR BALZAC, CO
PLACHACO	SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR
PLACHECO	SO. PLATTE RIVER BL. CHEESMAN RESERVOIR, COLORADO
PLADENCO	SO. PLATTE RIVER AT DENVER, COLORADO
PLAHARCO	SOUTH PLATTE RIVER ABOVE ELEVENMILE RESERVOIR, NEAR
PLAHENCO	SOUTH PLATTE RIVER AT HENDERSON, CO.
PLAJUCCO	SOUTH PLATTE RIVER AT JULESBURG, COLORADO. COMBINED
PLAJULCO	SOUTH PLATTE RIVER AT JULESBURG, CO. LEFT CHAN. #4

PLAJURCO	SOUTH PLATTE RIVER AT JULESBURG, CO. RIGHT CHAN. #2
PLAKERCO	SOUTH PLATTE RIVER NEAR KERSEY, CO
PLALUPCO	SOUTH PLATTE RIVER AT FORT LUPTON
PLASPICO	SOUTH PLATTE RIVER ABOVE SPINNEY RESERVOIR
PLASPLCO	SO. PLATTE RIVER AT SO. PLATTE, COLORADO
PLASTRCCO	S. PLATTE RIVER BELOW STRONTIA SPRINGS
PLAWATCO	SOUTH PLATTE RIVER AT WATERTON, CO.
PLAWELCO	SOUTH PLATTE RIVER NEAR WELDONA, CO.
ROBTUNCO	ROBERTS TUNNEL AT EAST PORTAL NEAR GRANT, CO
SKYDCLCO	SKYLINE DITCH AT CHAMBERS LAKE, CO.
SPSCFLCO	SO. PLATTE SUPPLY CANAL BE SAND LAKE NE FT. LUPTON, C
SSVWARCO	SOUTH ST. VRAIN NEAR WARD, CO
SVCLYOCO	SAINTE VRAIN CREEK AT LYONS, BOULDER COUNTY, COLORADO
SVCPLACO	ST. VRAIN CREEK AT MOUTH, NEAR PLATEVILLE, CO
SVSLYOCO	ST. VRAIN SUPPLY CANAL NEAR LYONS, CO
SVSLT1CO	ST. VRAIN SUPPLY CANAL T.O. TO L. THOMPSON RIVER NO.1
SVSLT2CO	ST. VRAIN SUPPLY CANAL T.O. TO L. THOMPSON RIVER NO.2
SVSHERCO	ST. VRAIN SUPPLY CANAL TO HERTHA CREEK
VIDTUNCO	VIDLER TUNNEL NEAR ARGENTINE PASS, CO
WSDEARCO	WILSON SUPPLY DITCH NEAR EATON RESERVOIR, CO.

DIV II

CODE	NAME
ARKCACCO	ARKANSAS RIVER AND CATLIN CANAL COMBINED
ARKCANCO	ARKANSAS RIVER AT CANYON CITY, CO.
ARKCATCO	ARKANSAS RIVER AT CATLIN DAM NEAR FOWLER, CO.
ARKGRNCO	ARKANSAS RIVER AT GRANITE, CO.
ARKLAJCO	ARKANSAS RIVER AT LA JUNTA, CO.
ARKNEPCO	ARKANSAS RIVER NEAR NEPESTA, CO.
ARKPORCO	ARKANSAS RIVER AT PORTLAND, CO.
ARKPUECO	ARKANSAS RIVER ABOVE PUEBLO, CO.
ARKSALCO	ARKANSAS RIVER AT SALIDA, CO.
ARKWELCO	ARKANSAS RIVER NEAR WELLSVILLE, CO.
BOUTUNCO	CHARLES H. BOUSTEAD TUNNEL, COLORADO
BUSTUNCO	BUSK-IVANHOE TUNNEL, COLORADO
CATCANCO	CATLIN CANAL AT CATLIN DAM, NEAR FOWLER, COLORADO
CCACCRCO	CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO.
CHCRNACO	CHALK CREEK AT NATHROP, CO
COLDITCO	COLUMBINE DITCH, COLORADO
COCRBVCO	COTTONWOOD CREEK NEAR BUENA VISTA
EWIDITCO	EWING DITCH, COLORADO
GRAWESCO	GRAPE CREEK NEAR WESTCLIFFE, CO
HOMTUNCO	HOMESTAKE TUNNEL
LAKATLCO	LAKE CREEK ABOVE TWIN LAKES RESERVOIR, CO
LAKBTLCO	LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO
LARDITCO	LARKSPUR DITCH AT MARSHALL PASS, COLORADO
NMCHIGCO	NINEMILE CANAL AT NINEMILE DAM NEAR HIGBEE, CO.
PURNICCO	PURGATOIRE R AT NINEMILE DAM, NR HIGBEE, CO-COMBINED
PURNINCO	PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE, COLOR
TWITUNCO	TWIN LAKES TUNNEL, COLORADO
WURDITCO	WURTZ DITCH NEAR TENNESSEE PASS, CO
WUREXDCO	WURTZ EXTENSION DITCH NEAR TENNESSEE PASS, CO.

DIV III

CODE	NAME
ALABELCO	ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO.
ALATERCO	ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO CONEJOS CTY
CARLAGCO	CARNERO CREEK NEAR LA GARITA, CO.
CBPALACO	CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO
CONLASCO	COMBINED CONEJOS RIVER (NORLASCO SOULASCO)
CONMOGCO	CONEJOS RIVER NEAR MOGOTE, CO.
CONPLACO	CONEJOS RIVER BELOW PLATORO RESERVOIR, CO CONEJOS CO
CULSANCO	CULEBRA CREEK AT SAN LUIS, CO.
DLFCMBCO	DON LA FONT DITCH, COMBINED, AT PIEDRA PASS, CO.
DLFDT1CO	DON LA FONT DITCH NO. 1 AT PIEDRA PASS, CO
DLFDT2CO	DON LA FONT DITCH NO. 2 AT PIEDRA PASS, CO
GOOWAGCO	GOOSE CREEK AT WAGONWHEEL GAP, CO.
LAGLAGCO	LA GARITA CREEK NEAR LA GARITA, CO.
LAJCAPCO	LAJARA CREEK AT GALLEGOS RANCH NEAR CAPULIN, CO.
LOSORTCO	LOS PINOS RIVER NEAR ORTIZ, CO.

NCLCONCO	NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO
NOCRESO	CRESTONE CREEK, NORTH NEAR CRESTONE, CO.
NORDLSCO	NORTON DRAIN NEAR LA SAUSES, CO.
NORDSCCO	SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES, CO
NORLASCO	NORTH CHANNEL CONEJOS RIVER NEAR LASAUSES, CO.
PINDELCO	PINOS CREEK NEAR DEL NORTE, CO
PRWDITCO	PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, C
RIOALACO	RIO GRANDE RIVER AT ALAMOSA, COLORADO
RIODELCO	RIO GRANDE NEAR DEL NORTE, CO.
RIOLOBCO	RIO GRANDE NEAR LOBATOS, CO.
RIOMILCO	RIO GRANDE AT THIRTY MILE BRIDGE
RIOMONCO	RIO GRANDE AT MONTE VISTA, CO
RIOSFKCO	SOUTH FORK RIO GRANDE RIVER AT SOUTH FORK
RIOTRICO	RIO GRANDE RIVER ABOVE THE MOUTH OF TRINCHERA CREEK
SAGSAGCO	SAGUACHE CREEK NEAR SAGUACHE, CO.
SANFTGCO	SANGRE DE CRISTO CREEK NEAR FT. GARLAND, CO.
SANMANCO	SAN ANTONIO RIVER NEAR MANASSA, CO
SANORTCO	SAN ANTONIO RIVER AT ORTIZ, CO.
SOULASCO	SOUTH CHANNEL CONEJOS RIVER NEAR LASAUSES, CO.
TABDITCO	TABOR DITCH AT SPRING CREEK PASS, CO
TARBELCO	TARBELL DITCH NEAR COCHETOPA PASS, CO
TREDITCO	TREASURE PASS DITCH AT WOLF CREEK PASS, CO
TRIMTNCO	TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO.
TRISMICO	TRINCHERA CREEK BELOW SMITH RESERVOIR, CO
TRITURCO	TRINCHERA CREEK AB. TURNER'S RANCH CO
UTEFTGCO	UTE CREEK NEAR FORT GARLAND CO
WCSDDITCO	WILLIAMS CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO
WEMDITCO	WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

DIV IV

CODE	NAME
ABCLATCO	ABC LATERAL
MUDAPRCO	MUDDY CREEK ABOVE PAONIA RESERVOIR, CO - GUNNISON CO
MUDBPRCO	MUDDY CREEK BELOW PAONIA RESERVOIR
RLCGRJCO	REDLANDS CANAL NR GRAND JUNCTION, CO
SOUCANCO	SOUTH CANAL NR MONTROSE, CO - MONTROSE COUNTY
UNCOLACO	UNCOMPAHGRE RIVER NEAR OLATHE

DIV V

CODE	NAME
CHAGULCO	CHAPMAN GULCH NEAR NAST, CO.
FRYIVLCO	FRYINGPAN RIVER NEAR IVANHOE LAKE, CO.
FRYMERCO	FRYINGPAN RIVER AT MEREDITH, CO.
FRYSFUO	FRYINGPAN RIVER, SOUTH FORK AT UPPER STATION NEAR NOR
FRYTHOCO	FRYINGPAN RIVER NEAR THOMASVILLE, COLORADO
RFCMERCO	ROCKY FORK CREEK NEAR MEREDITH, CO.
ROABMCCO	ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN, CO

DIV VII

CODE	NAME
ANIHOWCO	ANIMAS RIVER NEAR HOWARDSVILLE, CO.
CHEREDCO	CHERRY CREEK AT THE MOUTH NEAR RED MESA, CO.
DOLBMCCO	DOLORES RIVER BELOW MCPHEE RESERVOIR, CO.
FLOALECO	FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, COL
FLOBLECO	FLORIDA RIVER BELOW LEMON RESERVOIR, CO.
LAPHESCO	LA PLATA RIVER AT HESPERUS, CO LA PLATA COUNTY
LAPMEXCO	LA PLATA RIVER AT THE COLORADO/NEW MEXICO LINE
LONREDCO	LONG HOLLOW AT THE MOUTH NEAR RED MESA, CO.
MANMANCO	MANCOS RIVER NEAR MANCOS, COLORADO
NAVBANCO	NAVAJO RIVER AT BANDED PEAKS RANCH NEAR CHROMO, CO.
NAVOSOCO	NAVAJO RIVER BELOW OSO DIVERSION DAM NEAR CHROMO, CO
RIOBLACO	RIO BLANCO BELOW BLANCO DIVERSION DAM NEAR PAGOSA
RIOMOUCO	RIO BLANCO AT THE MOUTH NEAR TRUJILLO, CO.